

THE MONUMENTAL NEWS



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THE MONUMENTAL NEWS.

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Trade Outlook for 1902

This first number of our fourteenth year brings with it the pleasant duty of recording an unusually prosperous outlook for the coming year as reported on other pages by some of the leading firms in the marble, granite, stone and bronze industries. There is ample assurance that the bright prospects presaged by present conditions will be realized, and we extend to our readers and the trade in general the greetings of the New Year with the hope that the future may be as rich in growth and fulfillment as the present is in promise.

Better Qualified Men in Demand

The demand for improvement in the design and general details of cemetery monuments is rapidly inaugurating reform in this line of work, not alone in respect to matters of artistic design, but in that of the business methods connected therewith. As a result it follows that there is a growing need for better qualified men in the several branches of the marble and granite industry, with improving conditions and possibilities for those who are qualified or will qualify themselves for the openings now presenting themselves in many directions. Mechanical skill, artistic requirements and business knowledge are the principal lines of education certain of recognition and reward in the trade, and many

positions of trust await applicants of due proficiency. Such are the opportunities on one side of the question, while those on the other, in respect to the educational requirements, can be readily met by young men of industry and intelligence in the art, architectural, business and mechanical trade schools in all sections of the country. Education is a necessity in all lines of work today. To shirk this necessary duty every young man owes to himself, is to condemn him to grovel instead of to rise, and in all departments of knowledge there never was such a time in the history of man when education could be obtained so fully, so broadly and so cheaply as to-day. Only the lack of desire and the necessary industry stands in the way of the acquirement of knowledge for any righteous ambition with which a young man may be inspired.

Wage Statistics

The Census Office has taken an important step in connection with the securing of accurate data respecting wages paid in the leading industries to be incorporated in the Twelfth Census Report of 1900. Director Merriam has appointed Dr. Davis R. Dewey, of the Massachusetts Institute of Technology, as an expert special agent to prepare a report on wage statistics for the reports on Manufactures and the Mechanical Industries. To obtain actual facts and figures, a number of reliable men have been sent to different sections of the country to copy actual pay rolls in typical and representative establishments, and these will be analyzed and tabulated by Dr. Dewey and his assistants. This is a radical departure in government methods, for beyond general information, statistics in detail have usually been far from reliable and often misleading. From reasons attributable in great measure to strained efforts at economy, government statistics are based too freely on averages, which will not always bear investigation for accurate deductions, to say nothing of the variable methods of ascertaining the facts connected therewith. It is now attempted to gather true figures regarding wages paid in 1890 and 1900, which under the able oversight of Dr. Dewey, will result in reliable information. In the last report on the Stone Industry for 1900, in connection with granite statistics, it is apparent that they are not complete and that some important changes in figures would have resulted if all the manufacturers had aided the government, or were it possible to send special men into the field. This system should be extended if we are

to have accurate reports, and while Dr. Day has done excellent work and may have the best possible system for obtaining information, it would be eminently satisfactory to have all government statistics as far as possible absolutely reliable.

FREIGHT RATES.

We publish on another page in this issue some interesting extracts from letters received from marble and granite manufacturers and dealers on the subject of freight rates, and the proposed movement to secure a modification of the tariff. It is quite natural that there should be a diversity of opinion concerning the course to pursue and where the burden of responsibility should rest. We commend the careful reading of these expressions to those interested, and invite further comment.

The success that has crowned the persistent efforts of the southern manufacturers is gratifying in the extreme and clearly demonstrates what can be accomplished with the Western and Eastern Classification Committees by united and determined efforts on the part of manufacturers, wholesalers and retail dealers. The concession made by the Southeastern Classification Committee gives Southern manufacturers better rates than they have heretofore had, and may reasonably be expected to further extend business in that section.

As has frequently been stated, the exorbitant freight rates from New England points have tended to increase the volume of business done by western quarriers and manufacturers and has also increased the number of retail dealers who are doing their own manufacturing. For obvious reasons neither of these interests can be expected to contribute towards a fund for securing a change in existing freight rates, and adds emphasis to the necessity of concerted action on the part of New England interests if they wish to retain their hold upon the western trade. Wisconsin, Minnesota and Missouri in the Central West have numerous quarries of red and gray granites that are already being extensively used. The product of Maryland, Virginia, North and South Carolina, Georgia and Texas granite quarries is being more widely used than ever, while west of the Missouri river much of the trade in Colorado, California, Washington, Wyoming, and Montana, is being supplied by local quarries. Here, then, is strong competition that New England must meet, and something more than mere popularity of material will be required to successfully compete with it.

The dealers of the West who desire to continue handling New England granites very naturally

expect the quarry owners, manufacturers and wholesalers to give liberal support to any action that may be taken with the railroads. No better way has yet been suggested to impress the railroads with the injustice of the present classification and the importance of restoring former rates, than by engaging the services of a competent man to collect the necessary statistics and intelligently present them to the Eastern and Western Classification Committees. To remove the possibility of prejudice and insure harmonious action by all persons who should be contributors to the success of such a movement, the person engaged to take up the work should be an attorney-at-law qualified to successfully prosecute the undertaking and be entirely independent of any firm or individual connected with the trade. It has been proposed that a fund of one thousand dollars be raised for the work, and several pledges are announced on another page.

If the method proposed is the correct one there should be no time lost in completing the fund and getting down to business. Written remonstrances to railroad officials, petitions to classification committees, threats of boycotting, etc., will tend to keep the subject agitated, but the most satisfactory results will come soonest from persistent efforts of a duly authorized representative who can give his undivided attention to the work in hand. If there is a better way, the sooner it is adopted, the better for all concerned.

Civic Sculpture There are so many opportunities now offering and opening up for public monuments that it is earnestly hoped the rapidly growing sentiment in the interests of civic beauty will insist on their being artistic and worthy both of the subject and the site selected. Such considerations will involve a true economy after all, for take any one of our larger cities for an example and examine and judge how many and which of its public statues and monuments will pass muster under the decree of current knowledge and good taste. How many of the many so-called works of art which were intended to adorn the streets and public places of Chicago will bear comparison with St. Gaudens' Lincoln? This of itself suggests that a wise method of awarding commissions for works of art must be adopted and the broader view of competency for a prior work considered rather than expediency. We have a number of great sculptors in the country equal to the most important of proposed works, and there is every reason to believe that the future of memorial art is fraught with abundant promise for beautiful and enduring sculpture, provided wisdom is at the business helm.

THOMAS JEFFERSON MONUMENT, LOUISVILLE, KY.

SIR MOSES EZEKIEL, Sculptor.

The monument to Thomas Jefferson, illustrated on this page, was presented to the city of Louisville by the Bernheim Brothers, two wealthy public-spirited business men of the city in November, and was unveiled with imposing ceremonies, including addresses by Ex-Gov. Bradley and Mayor Weaver. It stands on Jefferson street in front of the Jefferson County Court House, the architecture of the later forming an effective background. The statue of Jefferson is in bronze, nine feet high, and represents him at the age of 33 presenting the Declaration of Independence, to the First Congress. The subject is well conceived and executed with power and artistic taste.

An original feature is the bronze pedestal, which represents the famous Liberty Bell, the height being nine feet with a diameter of nearly ten feet. On the outside of this bell at four equi-distant points, are skillfully modeled figures, representing Liberty, Equality, Justice and the Brotherhood of Man.

The statue symbolizing Liberty shows the Goddess of Liberty starting forward bursting the chains from her arms. She occupies the front of the pedestal and the flowing drapery and vigorous motion of the figure are incisively portrayed. Justice with bandaged eyes, is shown with drawn sword in one hand, and scales in the other. Equal-

ity is typified in a female form, represented in the act of casting from her the law of primo-geniture, and treading under foot the Stamp Act.

The lower part of the monument is of dark Quincy granite from the Quincy Granite Quarries Co., Quincy, Mass., all parts highly polished, the die block being ten feet square and five feet high resting on steps or bases laid in sections, the lowest of which is nineteen feet square.

The whole is twenty-five feet high, and is a striking and impressive work. Clarke & Loomis of Louisville, were the constructing architects, and the bronze was cast in Berlin, Germany.

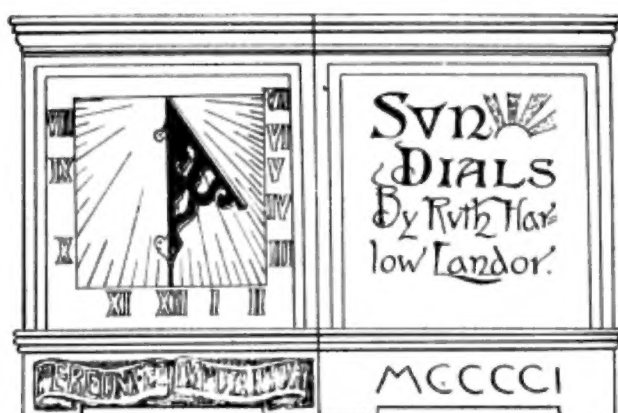
The sculptor is Sir Moses Ezekiel, who designed the granite pedestal and executed the models for statuary at his studio in Rome, where he has produced many other works of merit.

Sir Moses is an American and obtained his title from the Queen of

Italy, of whom he made several portraits. He was the first foreigner to win the "Prix de Rome," which was awarded to him in 1873, and is an alumnus of the University of Virginia, to which institution he has presented his latest work, a statue of Virginia weeping for her sons lost in battle. A number of his best known works are found in art galleries, and as public monuments in Cincinnati, Chicago, Washington, Philadelphia, and other cities.



THOMAS JEFFERSON MONUMENT, LOUISVILLE, KY.



IN 1892, an Englishman writing about sun dials, began by bemoaning the fact that sun dials would soon be a thing completely of the past in England. A short time ago the present writer, visiting an architect's office in one of the larger cities of our country, examined the metal gnomon of a sun dial while the architect explained:

"It is a sun dial Mr. — picked up somewhere abroad and wishes to set up in the grounds of his country home. He sent it to me to design a suitable pedestal for it."

Other evidence is not wanting that the English writer of 1892 miscalculated the temper of the age then rapidly approaching. It is true that the sun dial is well nigh useless now, in the presence of the present improved methods of keeping time, but many, even in this utilitarian age, love to see these relics which link us to the past. The sight of an old sun dial, if it does nothing more, is sure to "give variety to our thoughts in passing." In that respect it fulfills an important mission in the world.

For a picturesque feature of public or private grounds,—of parks and particularly of a cemetery,—a sun dial is worthy of high commendation. A commemorative monument could assume that form with admirable effect. And to architects or monumental designers the sun dial offers opportunities that deserve to be eagerly seized. An awkward blank space upon a wall or stone exposed to the sun could find no more appropriate relief than by a curiously carved dial.

There is that in the history of the sun dial that makes it especially appropriate for the adornment of park or cemetery. It is undoubtedly the earliest appliance devised by man for denoting the divisions of time less than a day. The aborigines of

this country often drew a circle in the path of a journey, placed an upright stick in the centre and marked on the circumference the point where the shadow fell, as a notice to any one who followed them along the path as to the time when they passed that spot. The dial as a complete scientific instrument for dividing the day into twelve or more parts was probably first known to the Chaldeans about the middle of the eighth century, B. C., and a practical use of the knowledge thereof traveled from them through Egypt to Greece two centuries later. The Berosus Hemicycle, still extant and supposed to be Chaldean, was inclined according to the latitude in which it was placed. It divided the day from sunrise to sunset into twelve equal divisions, and thus an hour might be eighty minutes in length in June and but forty-five in December.

Possibly the earliest dials were in the form of concave hemispheres, the shadow of the gnomon in the middle falling upon diverse lines scratched in the cavity. Specimens of such dials are still preserved among the relics of very ancient times,—one of them being taken from the base of what is usually known as Cleopatra's needle. This has suggested that the purpose of the Egyptian obelisks may have been to denote time by their shadows. It was not until the middle of the fifth century, B. C., that mid-day or noon was first recognized at Rome as a point of time. It was observed and noted and proclaimed to the city by a herald by the appearance of the sun in a certain place between two buildings. The use of pole and gnomon combined may have originated about the same time or earlier. The shadow was probably cast on steps in the open air or a ray of light fell on steps in a closed chamber. Thus the early use of the term "degrees" or "steps." The dial mentioned in the Bible (II Kings, 20), was probably of such a character.

Later and lasting until about the beginning of the Christian era, the day was divided into four parts and the night was divided into three watches. The ancient Romans had small portable dials as the Chinese and Japanese have to this day. In Greek the letters used to signify the hours 6, 7, 8 and 9, spelled the word, ΖΕΤΙΗ,—"live!" which suggests an especial appropriateness in adopting the sun dial for monumental purposes.

In England there are many sun dials in various states of preservation or dilapidation. Some of them go back to Scandinavian times, when a maritime people divided the day into tides,—two high and two low,—and these into quarters. This gave to the day sixteen "stundrs" or hours. There are dials extant in England which show this system to

have been continued down to the time of the Norman conquest. There are dials of Anglo-Saxon origin also, as shown by their inscriptions. One of the Popes directed that every church should be supplied with a dial. When dialing became an exact science, efforts were made from time to time to break up all the old and incorrect dials and replace them with the newer and correct ones. The Saxon dials survived in England because of their massiveness. But this period of destruction is indicated in many old churches in England where dials are seen in reversed positions built into the walls of the structure. In the seventeenth century the incorporated company of clock-makers was given jurisdiction over all dials as well as clocks and watches and were expected to seek and destroy all false and deceitful work. There is an extensive literature of the subject in mediaeval times.

It was probably at the time of the papal edict requiring sun dials in the churches that so many were set up in English churchyards. The measuring of time was regarded as a proper summons to prepare for eternity. At that early time the choice lay between the vertical and the horizontal dial. The vertical was affixed to the external wall of the church often just over the main entrance, or sometimes it was made the feature of a stained glass window. A pillar or pedestal was provided for the horizontal dial on the south side of the church. The broken shaft of the churchyard cross was sometimes used for this purpose. In one case (in an East Yorkshire churchyard) a stone coffin was sunk headforemost about half its length in the ground and the dial was placed upon its foot. This ingenuity was exhibited in 1769. It was quite unusual, though it sometimes occurred, that a massive square column was erected and bore a vertical dial upon each of its faces.

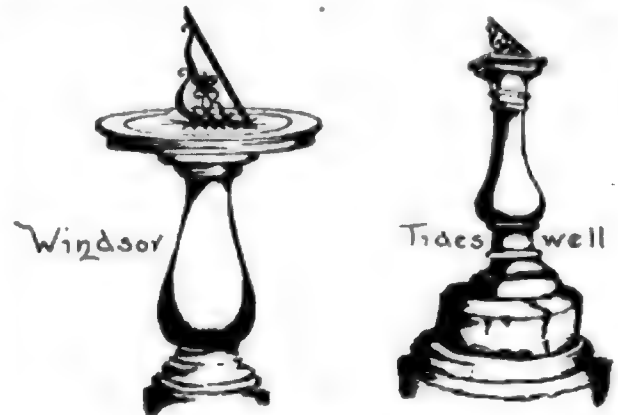
The artistic possibilities of the sun dial are limited as regards the gnomon, though some of these are ornate. That at Windsor contains a crown and the monogram, "C. R.," for "Charles Rex," having been erected by Charles II. But in the design for a pedestal or for the surrounding slab of a vertical dial the opportunities are limitless. It was not thought beneath the dignity of Inigo Jones to design a pedestal for a dial, and at least one of his designs (at Chilham, near Canterbury) survives to this day.

In another direction the artistic possibilities are without limit; that is, in selecting an inscription. Especially to be commended are those which suggest the connection between the passing of the time and the sunniness of the day. "Horas non numero nisi serenas," is the Latin form. "I mark not the hours unless they be bright," is a good English

form. But there are still some thoughts which the sun dial calls up that can be clothed in original words, though the monumental designer will derive great benefit from a study of the sun dials of the past to be found in the British Isles.

Apropos of Ruth Harlow Landor's paper on Sun Dials in the present issue, two incidents occur to the mind of the present writer and seem worthy of record.

About a quarter of a century ago a sun dial was set up in a certain large city not far from New York City, in an adjoining state. There was a law in the state requiring that a monument be set up in the court-house yard of every county town, showing the meridian line. The sun dial in question



TYPES OF SUN DIALS.

was probably placed in obedience to this law, though there is the suspicion from the price paid for it that it was intended to discharge some political obligations from the county officials to the man who furnished it. What was chiefly interesting about it was the perplexity it caused among the passers-by. The study bestowed upon that sun dial upon cloudy days was sufficient to have made a scientist and it was not unusual to see a man stand so that his shadow would be cast upon the dial, study the same with his watch in his hand, but finally pass on without gaining any information and evidently wondering what that thing was intended to do. It was the custom of the "court house boys" when appealed to to explain it to say, "It's run down. The janitor probably forgot to wind it up."

The other relates to the inscription,

GOA BOW TYO URB US IN ESS 1838.

upon a dial in the garden of the Dean of Bangor. For a long time this was regarded by visitors as a Welsh motto. But it seems that it was intended to perpetuate the curt injunction of a faithful but irascible gardener, who used to tell troublesome visitors "Go about your business." L. V.



THE LEHMANN MEMORIAL TEMPLE, CHICAGO.

THE LEHMANN MEMORIAL TEMPLE, CHICAGO.

The Lehmann memorial temple to be erected next summer in Waldheim Cemetery, Chicago, is a departure from the conventional form of cemetery memorial and will make one of the most imposing private monuments in this country.

The structure is cruciform in plan, rising from a base 36 ft. by 22 ft. to a height of 31 feet to the apex of tower. Twenty-eight fluted Ionic columns, 11 feet in height, spring from heavily moulded pedestals which are connected by a granite balustrade. The entablature and pediments are richly carved and moulded as is the square tower surmounting the roof. Facing the entrance steps is a large polished inscription tablet of dark granite, and at either end of the colonnade granite seats will face the balustrades.

An underground crypt is approached by a granite stairway at the rear of the structure.

The roomy vestibule will have a mosaic floor of special design, marble walls and ceilings, art glass windows and bronze doors and grilles. There will be receptacles for twenty-three caskets,

faced with Italian marble slabs with bronze fittings. The entire superstructure is of Barre granite and is now under way at the works of Jones Brothers and Barclay Brothers at Barre, Vt. Messrs. Joseph Pajeau & Sons, Chicago, are the architects and contractors. The cost of the memorial is to be \$50,000.

APPROPRIATIONS FOR MONUMENTS.

On another page, under the head of Proposed Monuments, will be found notices of nearly two score of bills that have been introduced into Congress for the erection of monuments, carrying with them appropriations aggregating in round numbers \$1,000,000. The sums asked for vary from \$800 to \$300,000, and few of them are less than \$10,000. If any other indication of a bounteous harvest for sculptors, bronze founders and monument makers is needed, it is to be found in the surplus in the treasury at Washington, and the general prosperity throughout the country, which will have a tendency to make the legislators more than usually liberal in granting such appropriations.

THE LAUREL GLEN MAUSOLEUM.

The Laurel Glen mausoleum, Cuttingsville, Vt., erected by John P. Bowman, a wealthy New Yorker, before his death, is an interesting struc-



LAUREL GLEN MAUSOLEUM, CUTTINGSVILLE, VT

ture. It is of Grecian design and stands on a rolling terrace overlooking the country road and is cared for perpetually by a legacy of \$50,000 left by Mr. Bowman for that purpose. The ground dimensions are 18 by 25 feet, and height to apex of roof, 20 feet. Decorations of Greek foliage, with a laurel frieze, ornament the exterior, and the entrance is closed by a granite door formed from one slab weighing over three tons. In front of this is a summer door of bronze, blindly hung and fastened, with a backing of brass wire netting to keep out birds without obstructing the view of the interior.

The superstructure begins with a vertical ashler course two feet high, capped with a beveled and moulded water-course twelve inches thick. From this to the frieze the walls consist of six courses of regular ashler work in blocks weighing from three to six tons each, and the angles are decorated with a laurel moulding. The friezes are divided into panels by Triglyphs and band mould, each panel bearing a festoon of laurel in high relief.

The roof is composed of eight slabs, one foot in thickness, rabbeted and grooved at the inclined joints, and having a total weight of forty tons.

At the entrance stands a life-size statue in Italian marble of Mr. Bowman, on the point of entering the tomb. It represents him with one foot on the step, holding a wreath of marble immortelles and a large key with which to unlock the door to the chamber of death.

Within are rich sculptures, bronze traceries, ornaments, and Italian marble statues of Mr. Bowman, his wife, daughter and baby mounted on pedestals. An optical illusion produced by two large mirrors gives to the interior the appearance of many long corridors filled with statues. The interior is finished entirely in statuary and Brocadilla marble and is illuminated each night by wax candles on six bronze candelabra. A vaulted ceiling and relief lines of shadow and high light further enhance the illumination. The floor is laid in English encaustic tile of subdued tints in florid panels margined by rich borders. An arcade formed by fluted columns and decorative arches, the lintel of which was wrought from a single block of marble weighing five tons, traverses the center of the mausoleum, and the walls are ornamented with rayed fluted paneling, having sculptured floral centers.

The tomb is cared for by six trustees, one of whom resides in the house formerly occupied by the Bowman family. A conservatory is maintained solely for the adornment of the mausoleum and grounds surrounding it.

The lawn and grounds are laid out in rolling



INTERIOR VIEW, LAUREL GLEN MAUSOLEUM.

terraces, planted with rare flowers and plants, and ornamented with a Grecian fountain.

G. B. Croff, New York City, was the architect.

THE ACANTHUS.—I.



tion and explanation will be given.

Fig. 1. gives an idea of the plant in its natural state, which grows wild in warm countries along the shores of rivers, but in more northern latitudes is found only in botanical gardens and belongs to the order of plants known as "Acanthaceae."

There are many varieties, but the most common are the *Acanthus spinosus* and *Acanthus noliis* or *Brankursine*; both being natives of Southern Europe, were selected by the ancients for their beautiful leaves as an artistic application in architecture.

If any obstacle resists its growth it seems to struggle to overcome it and to vegetate with renewed vigor. So genius, when acted upon by resistance or opposition, redoubles its attempts to overthrow every impediment.

Fig. 11. is the natural leaf of the *Acanthus Spinosus* which is pinnatifid, with its lobes irregular and bidentate, displaying a complex and varied outline and is supposed to have suggested to the Greeks the decoration of the Corinthian capital, Fig. v., as Vitruvius writes:

A beautiful Athenian maid, just reaching womanhood, died a few days before the time for her nuptials. She had a nurse who dearly loved her, and who as a simple mark of affection, after her death, gathered together the flowers which should have decked her on her wedding day, and putting them with her marriage veil in a little basket, placed it on her grave and covered the top with a square tile. As it chanced, the basket happened to be laid over a root of an acanthus plant, which, in due season, sent forth its leaves. These, finding their way from under the basket, grew upward round its sides until their points came in contact with the overhanging corners of the tile,

AMONG monumental designers the acanthus seems to be the most favorite plant for decorative purposes, and is very extensively employed in its various forms with no consideration for the style of architecture to which it is applied.

In regard to the adoption and origin of the different forms, which are herewith illustrated, a descrip-

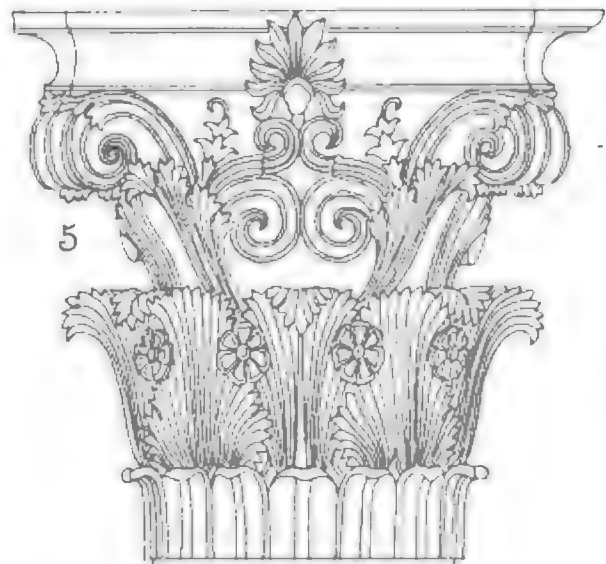
where they gracefully coiled themselves into volutes. At this juncture the accidental composition, fraught with much suggestion to an artistic eye, happened to be seen by the architect, Callimachus, of Athens. He was so struck with this natural, rural decoration that he at once modeled some capitals in its likeness, arranging symmetrical acanthus leaves around an inverted bell, which took the place of the basket, and introducing volutes at the angles of an abacus, which represented the tile covering. The first of these examples were introduced on columns which were applied to the Choric monument Lysicrates, Fig. v., a magnificent ornament still admired by the whole civilized world.

It is probable that the palm-leaf capitals of Egyptian architecture, Fig. III., suggested to the Greek artist the idea of arranging the acanthus leaves around a circular spreading bell; their own invention supplying the abacus and the angle volutes which completed the composition.

The Grecian sculptured acanthus is purely a conventional rendering displaying none of the freedom and irregularities of the natural leaf.

It follows, to a certain extent, the outline of the natural leaf, but departs entirely from its structural composition. In the natural leaf the veins of the lobes join the center vein at intervals corresponding to the size of the lobes, and do not grow in any regularity on both sides, but in the sculptured leaf the beautiful modelling and regular disposition of the lobes are extreme departures from the natural model; they are graduated from the broad base line, from which all the veins start curving gracefully to the summit as in Fig. IV.

The divisions of the lobes are sharp pointed,



ACANTHUS DESIGN ON CORINTHIAN CAPITAL.

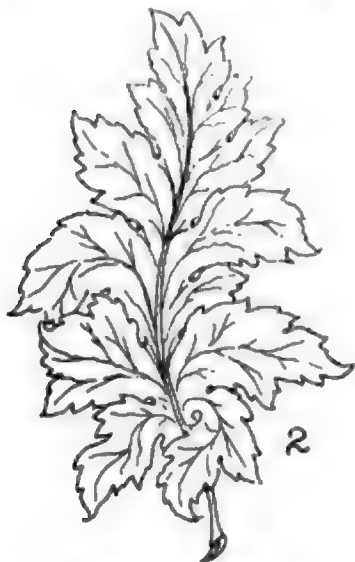
and are depressed towards their center lines, forming angular flutings; these are continued in graceful curves from the points of the divisions, through the surface of the lobes, toward the base line, where they gradually lose themselves in the hollows which mark the principal veins.

This mode of modelling the surface of the leaf

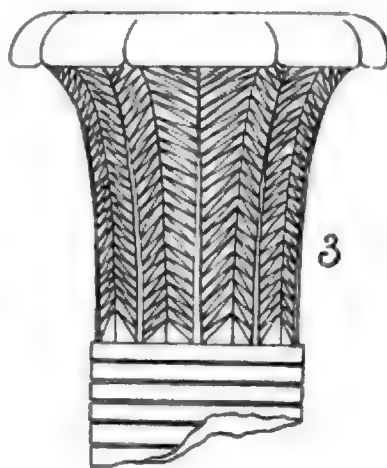
imparted the greatest possible effect to it, especially as it was to be seen almost invariably under a bright and shadow-casting sunlight.

The lobes are divided by sunk eyes, from which raised pipings are carried down towards the base line, following of course, the curves of the lobe veins.

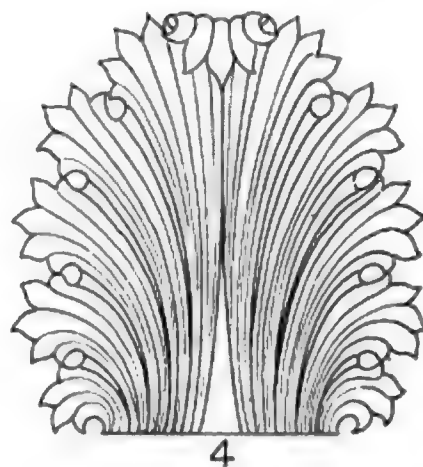
Franklin L. Naylor.



ACANTHUS SPINOSUS.



A PALM LEAF CAPITAL.



THE CONVENTIONAL ACANTHUS DESIGN.

THE FIELD OF ART.

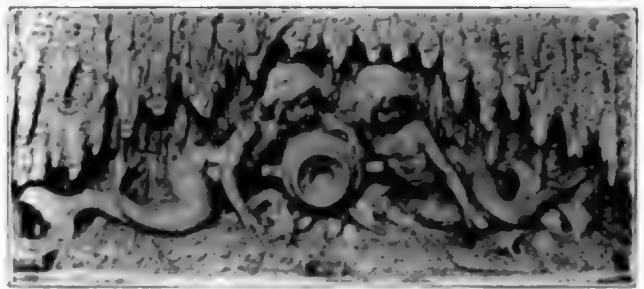
The relation of artists and art societies to the public forms the motive of an interesting discussion in "The Field of Art," by Russell Sturgis, in the December number of *Scribner's Magazine*. The value of the art societies as a means of communication between artists and the public bodies or rich men who are their possible employers is emphasized, and some of society's duties to the artists are enumerated. The community should guard against the wasteful use of such precious natural materials, as alabaster, porphyry, quartz and agate, which are so valuable to decorative art, and should provide a place for the permanent deposit of the larger original models of important works of sculpture. These casts would be of much value to succeeding artists, as the embodiment of the working thoughts of the sculptor, and could be preserved by a society managed on the museum plan. Another need of the artists from the community is to have more accessible memoranda, data, photographs and plans of applied and decorative sculptures on important modern buildings, in order that there may be less working alone, and less borrowing from ancient detail. Exhibitions of sketches and models are pointed out as of great educative value to the younger artists that they may see how their masters worked.

The converse relation, that comprising the artists' duty to society, is summed up in the work to be done by such societies as "The Arts and Crafts" in London and Boston, which teaches the necessity of a more intimate relation between the designers and the manufacturers of art work, the Municipal Arts Society in New York, and other bodies to take up the business side of municipal art, such as insisting upon having sanitary conditions, parks and squares, and freedom from unsightly objects on the thoroughfares of our cities. All these activities must be stirred to life by artists and their allies, and in this work the artist finds his highest public duty.

TOMB OF CARACALLA.

An elaborate temple, supposed to be the tomb of the Emperor Caracalla, has been accidentally unearthed near Alexandria, Egypt, by the municipal authorities while excavating for stone for building purposes. Many valuable pieces of sculpture bearing the characteristics of a composite Greek and Egyptian style, have been found on the interior, and excavations for the purpose of exposing to view the exterior are in progress. The interior consists of a peristyle with many beautiful statues and monumental columns, enclosing a central chamber in which are three alcoves, each containing a sarcophagus.

Sculpture at the Charleston Exposition.



GROTTO, LOUIS A. GUDEBROD, SC.

THE South Carolina Interstate and West Indian Exposition, which began December 1, and will continue till June 1, 1902, is designed to be typical of the products, resources, industries and people of the South, and of the West Indies. The adaption of sculpture to this purpose has produced some works of a distinctive type, executed on a plan somewhat similar to that employed at Buffalo.

The works constructed especially for the exposition were enlarged on the grounds in a single studio under the supervision of Mr. Louis A. Gudebrod, the Director of Sculpture, who brings with him the experience of two expositions gained as the assistant of St. Gaudens at Paris, and of Director Karl Bitter at the Pan-American.

The chief sculptural display is grouped in and about the "Art Section," a central tract of forty acres, comprising the Court of Palaces, the Sunken Garden, and the Plazas. In the courts at right angles to the Court of Palaces, along the main plaza, and at the entrances to the principal buildings stand the larger and more imposing works of the sculptors. In the center of the oval-shaped forecourt of the Court of Palaces, in front of the Cotton Palace, is the well-known equestrian statue of Washington, by Daniel C. French and E. C. Potter, which was illustrated in our July issue. Coming as it does with laurels from the Paris and Buffalo Expositions, it forms a fitting introduction to the sculpture at Charleston.

On the main plaza opposite the Cotton Palace, are four original historical groups, representing, respectively, The Aztecs, the Huguenots, Colonial Days, and the Aborigines. The Aztec group, shown in our illustration, is the work of Mr. Gudebrod, and symbolizes the intense religious devotion of the sun-worshipping Incas, the predecessors of the Spaniards in the West Indian territory contributing to the Exposition. The sculptor has taken as his motive the refusal of the great Inca, Atahualpa, to renounce his religion at the demand of the conquering Pizarro. He is shown in the act of raising his arms toward the sun, sinking behind the mountains, and saying: "My God still lives

in the Heavens and looks down on His children." The kneeling worshiper is offering a bowl of incense to the Sun God, his head bowed in adoration. The lines of both figures are simple and strong, and the drapery well-placed for background effect. The commanding presence and dignity of the standing figure and the fervent expression of his face are strongly suggestive of the great race of which we know so little.

Another work of quite a different character, by the same sculptor, is shown in the fanciful little grotto in our title piece, which is placed on the Pergola in front of the cotton Palace. The quaint baby mermaids are something new in sculpture, and are a radical departure from the conventional Lorelei who lure mariners to destruction. The



AZTEC SUN WORSHIPERS.—LOUIS A. GUDEBROD, SC.



NEGRO GROUP.—CHAS. A. LOPEZ, SC.

little figures, intent on watching the frog, are well-posed for their purpose, and the play of light and shade about the stalactites serves to set off the design, and gives it an admirably decorative effect.

The "Negro Group," modeled by Charles A. Lopez, is designed to give expression to the three sides of the negro's nature as emphasized by Booker T. Washington—the Moral, Agricultural, and the Educational. The woman carrying the basket of fruit on her head represents the Moral, as the wife working in the field by her husband's side. The man, his left hand resting on a plow handle, his right on the anvil, typifies the negro engaged in the agricultural and mechanical pursuits of life. The boy playing the banjo is seated on a plow, still wearing the leather apron suggesting his work at the anvil. A book, symbolizing the educational side of his life, lies at the woman's feet. Tobacco, cotton, and bananas, typical products of the South, comprise the other accessories of the group. The modeling of the figures is careful and life-like, and the attention to detail can be seen in the finely-muscled arm of the man resting on the anvil, the fruit in the basket, and in the other small objects.

The sculpture in general, while still incomplete at this early date, gives promise of showing progress in individuality and originality of treatment.

LONDON FOUNTAIN, WINONA, MINN.

Mr. W. J. Landon, Winona, Minn., has presented that city with a fountain, suggestive of the early history of the city, and the Indians who lived there. The central figure of the design, shown in our illustration, represents a Sioux Indian girl, Weenonah, after whom Winona was named. The figure was modeled by Miss Isabel Moore Kimball, who also designed the fountain, assisted by Architect Vincent Griffith, of New York. The sculptor, who is a pupil of Herbert Adams, has used every opportunity to attain fidelity to the Indian type, and has succeeded in giving to the features the marked characteristics of the race.



"WEENONAH."—ISABEL MOORE KIMBALL, SC.

She made use of studies of a number of Indian

faces, and a model who is a full-blooded Abeniki Indian girl, completing the work in about a year.

A romantic legend is connected with the Indian maiden, who, the story tells, sought death by throwing herself from a cliff rather than be parted from her lover, a white hunter. The statue represents her as standing on the edge of the cliff gazing down the stream, watching for his canoe.

The central figure is of heroic size in bronze, and is placed on a pedestal in a basin forty feet in diameter. Symmetrically arranged around the pedestal are bronze groups of pelicans and turtles, spouting water. The figures are designed to be as typical of the state as possible. The pelicans are native of the upper Mississippi region, and the turtles were modeled from life from the Mississippi "Mossbacks." Native Minnesota stone was used for the pedestal and basin, and the bronze figures were cast by the Henry-Bonnard Bronze Co., New York.

A MYSTIC SHRINE MEMORIAL.

The memorial shown in the accompanying illustration was erected in Kensico Cemetery, New York, by the Mecca Temple Mystic Shrine, which is the mother of all the Mystic Shrines in the United States. The monument was originally intended as a personal tribute to Noble Augustus Peters, first Grand Potentate of the Mecca Temple, and the first President of the Borough of Manhattan of Greater New York, but the design was subsequently involved to make it a general memorial on which to place from time to time bas-reliefs of eminent members of Mecca Temple. The structure was designed by W. L. Cottrell, of the Harrison Granite Com-



MONUMENT TO MYSTIC SHRINERS, NEW YORK CITY.

pany, Barre, Vt., who were the contractors for the work. The structure is of light Barre granite, 6 ft. 6 in. by 16 ft. 0 in. by 6 ft. 0 in., all fine axed. It is a good example of art in granite towards which the trade is tending. It is a matter of favorable comment that that prudishness which has sometimes intervened to prevent the proper reproduction of sphinxes has not been allowed to mar this particular structure. The design and execution are to be commended as a more artistic interpretation of these figures than the common representation which has so often passed muster in our

country. It was only a few years ago that a sphinx was removed from Greenwood Cemetery, Brooklyn, on the ground that it was an immodest figure, an unusual assertion regarding one of the most beautiful of symbolic figures. The bas-relief of Noble Augustus Peters was designed by Geo. T. Brewster, New York, who executed the Admiral Decatur statue on the Dewey arch, and the 40 foot "Fountain of Nature" at the Pan-American Exposition. The Mecca Temple structure was dedicated with much eclat by upwards of six hundred Mystic Shriners accompanied by a large orchestra.

A SHORT CUT TO PERSPECTIVE.

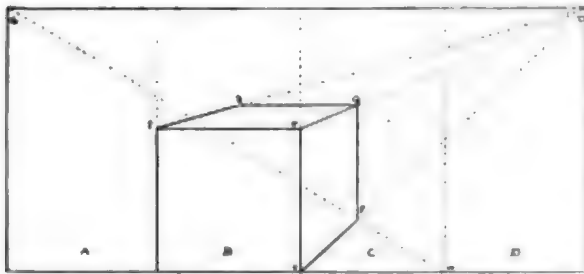
To draw in perspective is to represent objects as the eye actually sees them. When we look along a straight stretch of railroad, for example, it will be noticed that objects that come within the line of vision gradually become smaller as they recede from us until lost to view entirely.

This, then, is perspective and it is possible by availing ourselves of certain infallible rules to make a representation of anything we see that will be absolutely correct. To those who aspire to be artists or designers, or are likely to follow any calling where such knowledge would be brought into play, a study of the principles of perspective is essential, and even in cases where it seems at the time an unnecessary task, maturer years develop occasions for its application that were unthought of in youth. There are many who when young neglected to avail themselves of the opportunity to acquire it, who in after years regret

it, and who in the presence of new duties cannot find time for such a study. There are some, who knowing nothing of rules, but possessing a natural eye for proportion, can produce very good perspectives, but even in such cases the time will come when they sigh for a more thorough knowledge of its principles.

To those who cannot give time for deep study there are some short cut aids that may be made use of. Supposing that we want to draw a box measuring say thirty-six inches on all sides. Now it is a matter of no difficulty to draw the front of it, but to represent the top and end correctly is not so easy. The lines receding from the eye become more contracted and at what point to place the line that will be the back of the box becomes a question. A reference to the diagram, Fig. No. 1, will show a simple method whereby it may be effected.

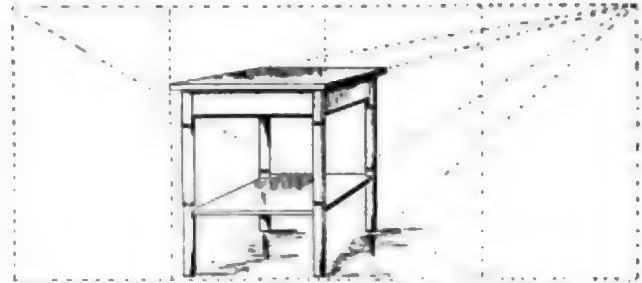
We first make four equal spaces of three inches each, or twelve inches in all, which we designate



A SHORT CUT TO PERSPECTIVE. FIG. 1.

for convenience, A, B, C, D. We then draw a ground line and parallel with it, but five and a half inches above it, another line is drawn. This last line represents the line of the horizon at which level the eye of the spectator is supposed to be. Draw a line across from E to F, which completes the front side of box, now draw lines from E, F, X to O and the line from G to H, where this line intersects the ground line in perspective at P will show the point for back line of box. Draw a line from P to Q and from Q to R, and after erasing the dotted construction lines which we used only for convenience, the box is shown complete and accurate enough for all practical purposes.

The same rule can be used to draw any other object, the box here being used because of its simplicity, and a reference to Figure No. 2 will show



A SHORT CUT TO PERSPECTIVE. FIG. 2.

the same rule employed for the drawing of a small table. When the object is small or low, it is necessary to diminish the height of the vanishing point. For instance, in drawing a chair, do not have the point of sight over two feet six inches from the floor, otherwise it will show out of proportion.

The acquirement of this simple rule enables one to represent easily and with certainty any simple object, which when drawn in the usual haphazard manner is generally unsatisfactory. It should be said, however, that it is by far the better way for those who can find time to do so to study the fundamental principles of perspective, which when mastered, enable one to draw anything with absolute precision, and certainty that one is right. —James Thomson in *Art Interchange*.



DESIGN FOR MARBLE MONUMENT, BY CHAS. L. LAWHON, KNOXVILLE, TENN.

Sizes: B. B., 4' 8" x 0' 10" x 2' 8"; 2d B., 3' 10" x 0' 6" x 1' 10"; Die, 3' 0" x 1' 6" x 1' 10"; Cap, 3' 1" x 0' 0" x 1' 1".

POPPIES FOR DECORATIVE RELIEF.

The poppy in relief is one of the earliest examples of the use of nature in decorative art. It has been prized in its symbolical adaption to sculpture and carving since Lorenzo Ghiberti, of the famous Italian Renaissance school, made use of it in designing the gates of the baptistry in Florence. His poppies in bronze formed the chief feature of the flower groups bordering the celebrated doorways, and drew forth the admiration of even the competing sculptors.

Poppies are the symbol of sleep, and are valued in monumental and ecclesiastical art both for this reason, and for their adaptability to a great variety of ornamental treatment. As the symbol of sleep they have a double significance. Some varieties yield opium, and have other peculiar narcotic properties, while their drooping buds and dreamy foliage, are admirably suggestive of restful sleep. The Latin name of the common variety, found in abundance in California and the South, is *Papaver somniferum*—sleep-producing poppy. In a boldly carved border or frieze they form a pleasing accessory to any subject pertaining to sleep. The stalks may be twisted and curved to break the uniformity of design, and the leaves can be shown broad or narrow, folded as in the buds shown in the engraving, or spread in full flower.



POPPIES, THE SYMBOL OF SLEEP.

A BUDDHIST TEMPLE IN JAVA.

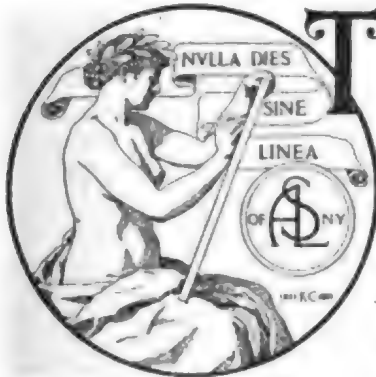
The temple of Boro Boedoer, erected as a monument to Buddha, in the heart of Java, is described by Frank G. Carpenter as more wonderful than the Parthenon at Athens, or the Forum at Rome. It contains more than 500 monuments to Buddha, and intricately carved representations in stone of every form of animal and vegetable life in the tropics. The stones are laid without mortar or cement and are as closely joined as mosaic work and remarkably well preserved. It is estimated to be over 1,000 years old, and is described by Mr. Carpenter in the *Baltimore Herald* as follows:

"This so-called Temple of Boro Boedoer is pyramidal, but it is one mass of carving and statues. It is built upon a vast stone platform, rising terrace by terrace to a gigantic cupola more than 100 feet above the base. At the bottom it is 500 feet square and it covers, I judge, from eight to ten acres of ground. All the terraces are decorated with statues and their walls with bas-reliefs of wonderful carvings. There are, it has been

found by actual measure, more than three miles of carved figures, no larger than your finger, and all as exquisitely cut as though picked out with a knife by some patient Chinese. I counted in places eight different figures in a space a yard square, and such figures continue right along around and around the terraces, so that the length is about three miles. Every figure must have taken weeks to make. When it is remembered that the work is that of an artist you can see that a vast population must have been engaged upon it. Altogether thousands of lives are bottled up in these carvings—the lives of the past, telling the story of their times to the present. Some of the figures are wonderfully lifelike. Every face has a different expression and some smile and frown as though alive."

There are said to be the remains of over 150 such temples on the Island of Java, which contain valuable sculptural and architectural relics, but have been little explored by antiquarians and artists.

ART STUDENTS' LEAGUE EXHIBIT.



THE recent exhibition of sculpture by members and instructors, past and present, of the Art Students' League, held from December 3rd to 10th, in their rooms, was somewhat of a disappointment at first glance. Instead of finished and important new work, which might have been expected by the outsider interested in the general subject, there were collected something less than a hundred objects, mostly plaster casts from academic school work of old and new students, interspersed with a dozen finished things in bronze and marble by the more prominent instructors. A second look, however, showed abundant evidence of promise on the part of the pupils, and was distinctly encouraging from the revelation of new talent thereby made.

Augustus St. Gaudens was represented by the original plaster of the well-known relief portrait of Stevenson, and a smaller marble relief, about half life size. McMonnies' little figure for a fountain, a running cupid, and a Diana, small bronzes lent by Messrs. Starr & Co., the jewelers, showed very effectively his peculiar and brilliant technique. A very finely finished head in bronze, by French, having a strong resemblance to the head of one of the Caryatides, of the Hunt memorial—was noteworthy; and the plaster models of two kneeling cherubs in high relief from the monument in Forest Hill Cemetery, Boston, completed the representation of his works. A deer, a horse, and a buffalo, in bronze, the work of A. Phimister Proctor, showed effectively his command over the

details of animal sculpture. The plaster model of the bust of his wife by Olin L. Warner, deceased, together with a frame of his small relief portraits of Indians, were reminiscent of his connection with the institution. George Grey Barnard, the present instructor, was represented by two photographs of his colossal figure entitled (if recollection serves) "Labor."

Among the present and recent pupils whose work was prominent by the number and quality of exhibits, may be mentioned Miss Elsie Ward, three academic nude studies; Miss Edith B. Stevens, a recumbent nude; Adolph A. Weinmann, statuettes of golf man and golf girl, very delicately finished in bronze, and with much swing and go to them; and Miss Abastenia Eberle, whose school study of a seated woman, and two small studies of Mother and Child, well carried out the promise of a sketch of two years ago entitled, "The Furies," which is full of vigor and motion. At first sight, the Mother and Child group suggests the French peasant type, although these were studied from Puerto Rican natives during the artist's sojourn among them. They are most interesting as showing the development of a personal talent into its congenial lines, utilizing the technique which has been acquired by the school training.

We have space only to mention in passing, the "chic" little child's head, treated "*a la Terminus*" by Miss Caroline C. Peddle; an attractive little study for a fountain figure by Miss Gail Sherman; reliefs, and a wax group by Miss Martha J. Cornwell; a demure and cute portrait bust of Miss Eleanor Castle by Mrs. Edith Woodman Borroughs, accompanied by three interesting small medallions in colored plaster; and a strong figure, half life size, entitled "The Gondolier," by C. Y. Harvey. A study by Keck, last winner of the Prix de Rome, was interesting, and cleverly handled, as was also a head in an ancient casque, signed Gaetano Frederici.



BOSTON SCULPTURE NOTES.

The State House committee, under the presidency of Lieutenant Governor Bates, issued invitations to Henry H. Kitson, William Ordway Partridge, Cyrus E. Dallin and Cyrus Cobb to compete for the \$20,000 award authorized by legislature for the erection of a monument to General Banks. The committee called for accurate and detailed models of designs on the scale of two inches to the foot. The four models sent in are to be viewed and voted on in December.

The Kitson model differs from the others, inasmuch as it presents General Banks as the statesman and legislator, standing before the chair of state, and speaking. The composition is a graceful one, easy in pose, and shows great care in the essential details. A massive pedestal, with a well modeled speaker's chair surmounting, lends a very harmonious line of continuity to the figure.

Mr. Dallin presents the General as the Speaker of the House. Manly of face and figure with an easy carriage, resting his right hand on the edge of the rostrum, in the attitude of one entering with vim and courage into a lively debate. The pedestal is exquisitely shaped and modeled.

The Cobb statue is in red clay, and presents Banks as the orator, his left hand resting upon a pedestal, while the right hand rests upon the chest. This is somewhat lacking in finish unfortunately. In the die of the pedestal, Mr. Cobb suggests placing a bronze panel indicative of the military engagements of the general.

Mr. Partridge has chosen Banks as the orator, and in similar pose to the one above except that the right hand is extended. On the whole, this, however, is scarcely as pleasing as the others.

Under the terms of the competition the models must be left two weeks for the award, when the non-successful contestants will each receive \$100.

Boston studios might well be completely copied in the plans and location, both for New York and Philadelphia. Within a stone's throw of the art centre of the Hub, these comfortable and picturesquely designed places, situated in the quiet of a by-street, afford for artists and sculptors the necessary space, light and living appurtenances, so absolutely necessary to those whose daily vocation compels a reasonable amount of quietude unattended by extravagance.

Here beneath one roof seemingly, but actually many roofs in one block, one finds the fellow "brushes" located on the second floor, admitted by a private entrance, and realizing in a qualified sense that he is paying a lighter rental than his friend the sculptor, who, if he be a married man,

holds the first floor, for the simple reason that it is well lighted and so lofty as to easily admit of his creations taking the heroic form and exit on completion. The basements are so planned as to afford every facility for employing the artistic and domestic taste and transforming these spaces into cosy enviable quarters, thus permitting the sculptor to be within the environment of his work, obviating the necessity of changing his clothes for meals.

At 18 St. Botolph Studios, I found Samuel J. Kitson, brother of the sculptor mentioned in connection with the Banks' competition, using the chisel and mallet on a new and human translation of the busts of Christ and Mary. These are for a fine house in New York.

It may be recalled that Mr. Kitson was a higher student at St. Luke's Royal Academy in Rome for nearly ten years. On his return to the States in 1882 he received a generous commission from W. K. Vanderbilt, to execute the interior sculpture for his city residence. This took the form of the four seasons, also Europe, Asia, Africa and America, and the two now famous mantels which form the framework of the double open fire grates. These are supported by four graceful Caryatides.

The extensive park system, of which Bostonians may well feel proud, already extends from the city to Marblehead, by way of Chelsea, Revere, Lynn, Swampscott and Phillips Beach, and in these sections covering nearly eighteen miles, spaces have been allotted for prospective monuments, of which much will be said and written later on.

W. P. Lockington.



CARVING FOR HEADSTONE, BY HERBERT W. BEATTIE, QUINCY, MASS.



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WYATT AND NOLTING
Architects

Size: 6' 0" X 3' 0".
Cast Bronze Tablet erected
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THE LUDWIG MONUMENT, TOLEDO, O.

The Ludwig monument, illustrated herewith, which has recently been erected by the Lloyd Bros. Co., Toledo, O., is worthy of more than passing notice. It is cut entirely from dark Barre granite, and with the exception of the chair under the canopy and the ornamental carving, it is polished throughout. A particular feature in regard to the polishing and the granite selected for the job, is that it is free from blemish and perfectly uniform in color from base to finial; in texture and finish all the stones are so alike that there is no perceptible difference of tone between them.

The illustrations show progress of work, also give the method of erecting the monument, which was done without accident or in any way marring any of the blocks. The poles used were 65 feet long, with ordinary five sheave steel blocks and 2 inch diameter rope.

The dimensions will be of interest. Lower base, 14 ft. by 14 ft. by 2 ft.; 10 ft. 8 in. by 10 ft. 8 in. by 1 ft. 6 in.; 8 ft. 6 in. by 8 ft. 6 in. by 1 ft. 10 in.; Die, 7 ft. 2 in. by 7 ft. 2 in. by 4 ft. 6 in.; Cap, 8 ft. 3 in. by 8 ft. 3 in. by 2 ft. 4 in. Columns, 1 ft. 6 in. by 1 ft. 6 in. by 8 ft. 10 in. long, including base and cap. Cap, 7 ft. 8 in. by 7 ft. 8 in. by 3 ft. 6 in. Plinth, 5 ft. 2 in. by 5 ft. 2 in. by 3 ft. 10 in. Spire, 4 ft. by 4 ft. by 17 ft. Finial, 1 ft. 10 in. by 1 ft. 10 in. by 3 ft. 6 in. Total height, 52 ft. 4 in. The monument is thought to be the largest all-polished memorial of this character ever erected. It was manufactured by Jones Bros., Barre, Vt.



LUDWIG MONUMENT, SHOWING FINISHED WORK AND METHOD OF ERECTION.



Granite News.

VOL. IV.

BOSTON, JANUARY, 1902.

No. 1.

Published Monthly by

COOK & WATKINS

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COMMENTS.

Wayneville, Ind., July 24, 1901.

COOK & WATKINS.

GENTLEMEN: The "Short" monument is placed in cemetery, and is perfect in every respect. The statue is a beauty, and the parties are well pleased. You will find enclosed draft in settlement for same. Accept my thanks for your close attention to this work. I remain,

Yours truly,

VEZY WESTFALL.

Fayetteville, N. C., Sept. 28, 1901.

COOK & WATKINS.

GENTLEMEN: Your price on monument was all right,—in fact I did not get estimates from any one else, as my experience in the past in dealing with you has been so satisfactory that I prefer placing my orders where I know I can get good work, even if I have to pay a little more for it. Yours truly,

E. L. REMSBURG,

Topeka, Kan., Oct. 1, 1901.

COOK & WATKINS.

GENTLEMEN: Enclosed please find check. I erected monument Thursday last. Was well pleased with it, and my customer was more than pleased. Thanks to you. Very respectfully,

C. W. GUILD.

Fort Dodge, Iowa, Oct. 7, 1901.

COOK & WATKINS.

GENTLEMEN: Enclosed find check for \$826.75. We have not yet completed the setting of all the work, but have seen enough to satisfy us that it is all first-class, and we are not taking any great chances in settling for same. Thanks to you for the good work, and the quick order in which you got it out. You will hear from us again. Kindly hurry along our car-load. Very truly yours,

OGROSKY & RUGE.

Perry, N. Y., Oct. 29, 1901.

COOK & WATKINS.

GENTLEMEN: Enclosed herein you will find my check for invoice of Oct.

9th. This was a first-class job. It was as good a job as I have received from Barre this season. You will hear from me when I have anything more to buy.

Very truly yours,
CHARLES SUTHERLAND.

Catawissa, Pa., Dec. 9, 1901.

COOK & WATKINS.

GENTLEMEN: Enclosed you will find check in full for orders No. 18513 and No. 18514. I am well pleased with the above jobs of good Dark Quincy stock, free from knots, and excellent workmanship. Thanking you very much,

I remain,

Respectfully yours,
HERMAN T. YOUNG.

Kalamazoo, Mich., Nov. 13, 1901.

COOK & WATKINS, Boston, Mass.

DEAR SIR: Inclosed, please find draft in payment of Quincy job shipped October 14th. We wish to thank you for sending us so nice a job, as we have never had a better cut and polished monument sent to us by anybody. We assure you we appreciate it.

Very truly yours,

WINBLOW & CROOKS.

Clayton, N. J., Nov. 19, 1901.

COOK & WATKINS, Boston, Mass.

DEAR SIR: The large Pink Westerly monument and markers arrived in good order, well boxed, and in good shape. We have set the monument and are well pleased with it. The stock is first-class, and the workmanship of good order. In fact, the whole job is as near perfection as we believe it is possible to obtain. We thank you for such high grade work, and wish you much success.

Very truly yours,

MORTON & DUBOIS.

Catawissa, Pa., May 13, 1901.

COOK & WATKINS.

GENTLEMEN: Inclosed you will find check in payment for No. 17023, and for which you have my thanks. I received same in good order, and found a good job in every respect. Very truly,

HERMAN T. YOUNG.

Chattanooga, Tenn., Nov. 29, 1901.

MESSRS. COOK & WATKINS,
Boston, Mass.

DEAR SIR: Enclosed please find check in full of invoice enclosed. We have been delayed in setting this work on account of party being sick. We are very much pleased with material and workmanship of this monument, and could not wish for better.

Yours truly, JOHN TROUTT & Co.

Washington, D. C., May 13, 1901.

MESSRS. COOK & WATKINS,
Boston, Mass.

GENTLEMEN: The work which you furnished for us at Shawneetown, Ill., is now entirely finished and set, and our foreman reports that the entire job is the most beautifully cut, and the stock without question is the handsomest ever seen, the large stone particularly, being very fine and without the slightest imperfection. It is very gratifying for us to be able to make the above report, and we only wish that it were possible for us to give you all of our work.

Yours very truly,

J. F. MANNING & Co.

Nashua, N. H., May 10, 1901.

MESSRS. COOK & WATKINS.

GENTLEMEN: The all polished Medium Quincy monument, with all-polished bottom base, has arrived, and is a beauty, and if I could get all my work like that, it would be a pleasure to do business.

Yours respectfully,

T. D. FULLER.

Three Mile Bay, N. Y., Nov. 29, 1901.

COOK & WATKINS, Boston, Mass.

DEAR SIR: Find enclosed check in payment of your bills of Nov. 7th and Nov. 8th. Both jobs were entirely satisfactory in material and workmanship.

Very truly, JOHN J. BARRON.

Lemont, Pa., Dec. 12, 1901.

COOK & WATKINS, Boston, Mass.

GENTLEMEN: Enclosed please find check for the "Thompson" monument, in full. This is considered the finest and, by far, the best lettered work of all the large monuments in our cemetery. It is, also, the largest sarcophagus sold by us this year, and our people are very highly pleased, and are having us a large photo made of the work.

Yours very truly,

J. B. MAVES & SON.

Elmira, N. Y., Dec. 12, 1901.

COOK & WATKINS, Boston, Mass.

GENTLEMEN: Enclosed please find check in payment of the "Humphrey" monument, your Order No. 18659. The monument is perfectly satisfactory. Parties are much pleased with it in material and workmanship. Hope the "Daly" monument will be as good.

Yours truly, JOSEPH CARTLEDGE.

COMMENT ON THE FREIGHT RATES QUESTION.

THROUGH the combined efforts of the quarry companies and the wholesalers and manufacturers of Southern marble, the South Eastern Freight Association has conceded to the demand for a modification of rates, which it is said are now, in some instances, lower than ever. We congratulate those who have been instrumental in securing the concession and commend their action to quarry-owners and manufacturers in other sections.

We understand that New York and Boston wholesale granite dealers are giving the subject of freight rates earnest consideration with a view to taking it up in some definite manner.

The following extracts from letters received by THE MONUMENTAL NEWS, from retail dealers, wholesalers and manufacturers, relating to the subject of freight rates, will be read with interest. The retailers are manifesting a commendable spirit, by their willingness to co-operate with the New England manufacturers in the proposed movement to bring about a modification of the rates. Pledges to the fund aggregate \$250.

We will send \$10 as our contribution toward securing lower freight rates. You can draw on us whenever needed for this amount. We have sent protests east and hope all dealers will do what they can in this direction.—GODDEN & BALLARD, Emmetsburg, Ia.

We are in hearty accord with any effort to secure a modification of the existing classification on marble and granite. We are also of the opinion that it would be to the interests of the eastern shippers to bring to bear all the pressure possible owing to the concessions given by the South Eastern Classification committee. We have just received two cars of Georgia marble on which the freight was reduced over one-half.—ZERAN MARBLE AND GRANITE WORKS, Cairo, Ill.

We are willing to contribute \$10.00 to the fund for the purpose of changing the present classification.—THE GEO. W. CLARK CO., Jacksonville, Fla.

We are very willing to contribute our share towards the "Freight Rate" fund. Let us know the amount of our assessment and we will mail you check covering the amount. Trust you may be successful.—TRIEBEL & SONS, Peoria, Ill.

We heartily approve of the plan you have outlined. Such business-like methods cannot help but accomplish something. Call upon us for whatever is right in the way of a subscription.—SLAUGHTER GRANITE CO., L. B. Slaughter, Mgr., Goshen, Ind.

The Western Classification raises rates on monuments in Nebraska 300 to 400 per cent. We will gladly contribute to the proposed fund if it will help us any in this state.—KIMBALL BROS., Lincoln, Neb.

The retailers should not ask the wholesalers and manufacturers to bear all the burden. While they cannot be expected to pay as much as the manufacturers, they should be willing to stand their share. You may count on us for as much as the general run of retailers will give. \$5.00 or \$10.00 apiece, added to what the manufacturers would subscribe, would make up the fund. You may count on us for our share.—A. BLACK & SON, Grand Rapids, Mich.

I consider the present classification of granite and marble unjust to the trade. If we undertake to prosecute the matter in a business-like way I will contribute \$10 and perhaps more.—C. W. HILLS, Jackson, Mich.

The present rates on granite are too high, compared with other articles in the same classification. Less than carload shipments should at least take 4th class, and carloads less in proportion. I will contribute \$5.00 to the proposed fund.—FRED. M. SCHLINGEN, Madison, Wis.

I am in hearty accord with the movement taken, and deem it perfectly just and proper for the retailer to join forces with the wholesaler and manufacturer in acquiring the much needed relief sought for. I will willingly contribute to the fund necessary. Advise me about what is expected of me.—B. A. FRANKLIN, LaPorte, Ind.

We are in accord with the views expressed and are perfectly willing to contribute our proper portion of the expense to secure the service of some one qualified to handle the matter.—P. N. PETERSON GRANITE CO., St. Paul, Minn.

This is a matter all dealers and many manufacturers should be interested in, and give a helping hand, in my opinion. It is an outrage to be compelled to pay the exorbitant freight rates now charged. I have a fight with the railway people on every shipment from the east, but our individual efforts amount to but little, and the only way to success is to get together and fight it out. I think the plan suggested is a good one, and I will gladly contribute \$25.00 for the cause, and you can draw on me for this amount whenever it is needed.—H. F. WENRICH, Oshkosh, Wis.

I fully agree with you that this subject should not be brought before the railroad authorities again until all the wholesale and retail dealers have united for a determined fight. So far, all single efforts have failed to make an impression on the classification committees, and the only hope now left is to gather forces and push the matter to a conclusion. If it should be necessary bring the matter before our U. S. congressmen to help us, so we may know if we have any rights to be recognized or not. I will pledge \$5, or \$10, if necessary.—CHAS. NEIDHART, Beatrice, Neb.

Has Stopped Selling New England Granite.

The following extract is from a letter written by a Mississippi monument dealer to a New York wholesaler: "Our reasons for not having placed any orders with you recently is the exceedingly high freight rates that we have to pay on granite, the long delays in getting it to destination and the very rough treatment that it receives at the hands of railroad employees. We can't see why railroads are so antagonistic to a class of business that might be of great importance to all roads, no class of freight handled takes so little room and is less liable to be damaged. If a shipment ever reaches destination (for all other shipments have right of way over marble or granite) it is simply dumped on the platform and consignee notified that unless same is moved in twenty-four hours storage will be charged, etc. It seems that nothing can be done to relieve the situation, and I, for one, will never try to sell another piece of granite while the evils mentioned exist."

The rate on granite both east and west before the advance in the spring of 1900 was higher than that on any similar class of heavy freight, especially taking into consideration the low valuation and risk of damage. The bulk of this freight is in carloads, so that the railroads do not have to handle it; it is loaded by the shipper and unloaded by the consignee. I venture to state that there is a smaller percentage of damage claims on granite shipments than on any other class of freight bearing the same rate. Taking these facts into consideration,

(Continued on page 38).



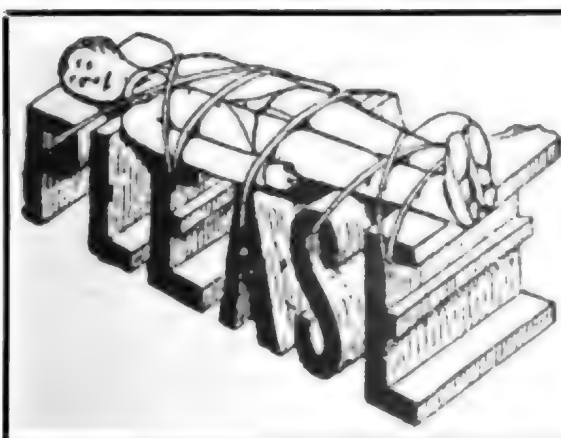
MONUMENT WE CUT FOR KIMBALL BROS. LINCOLN, NEB.

CLARIHEW & GRAY

— BARRE, VT. —

Quarriers and Manufacturers of

Up-to-Date High Grade Monumental Work in **BARRE GRANITE**
WESTERN REPRESENTATIVE, J. M. BATCHELDER, DIXON, ILL.



BOUND TO PLEASE.

Yes! This is what we are doing, and we do not find it hard, as we have the stock which pleases the most critical.

BRANDON ITALIAN MARBLE Stands without a Rival in the Monumental Field. ★ ★ ★

We can fill your orders promptly, as we have the marble and facilities for making quick shipments.

We would call the careful attention of the Trade to our 1902 Price List, which will be mailed about January 1st.

Brandon Italian Marble Co.,
MIDDLEBURY, VERMONT.

Comment on the Freight Rates Question.

(Continued from page 36).

the advance in the spring of 1900 was indefensible. The result has been the development of western quarries whose product, previous to the advance, was almost unknown to the trade, but which is now playing an important part in the West and Southwest. The rates west of Chicago are proportionately much higher than east, for example, the freight from Chicago to the Missouri river is over one-half the total freight from New England, although but one-third the distance. This is a matter which really interests the New England manufacturer and the railroads from New England to western points, more than it does the western retailer. If western granites establish a foothold in this market, which they are rapidly doing, owing to the fact that many dealers are now pushing their sale on account of the present excessive freight rates from the East, it would be very difficult for eastern manufacturers to regain this trade even if rates were reduced later to meet the new competition. For this reason, I think the funds needed to properly present this matter to the railroad authorities should come from the New England manufacturer.—M. H. RICE, Kansas City, Mo.

We are just in receipt of the December number of the MONUMENTAL NEWS and have read your article on freight rates with a great deal of pleasure. It seems to us that this should awaken enough interest in the trade to raise a good fighting fund, and we trust that enough will see the absolute necessity of lower rates and contribute liberally. Our subscription of \$100.00 is ready at any time the entire fund of \$1,000.00 can be raised.—NEW YORK GRANITE CO., K. F. Albertson, New York.

In common with all large shippers we are naturally very much interested in the question of freight rates, for it is a vital one, as you truly say, to every one engaged in the business.

We have felt that perhaps some good might be accomplished by personal representation and appeals to the different Classification Committees. With that end in view Mr. Pierce, manager of our Chicago branch, has appeared several times before the Western Classification Committee, favoring reductions and changes of their classification, and Mr. Williams, our Philadelphia manager, together with Mr. Page, from our office here, will be at Old Point Comfort next week during the Southern Classification Committee's meeting to appeal from their recent rulings upon what shall be considered as finished marble under their classification.

Any agitation of this kind must result in the end in bringing about good results and the fact that you have taken the matter up in so forcible a manner will certainly be a great advantage to the trade.—Vermont Marble Co., Proctor, Vt.

The most important matter concerning the trade, that we know of at the present time, is the transportation of monumental work. In spite of all the promises made and the committees and representatives of the railroad companies that have met the granite manufacturers during the last two or three years, it has seemed as if the railroads each year were getting more careless in the handling of goods. There is hardly a mail, in which we do not have complaints of rough handling, or injury to work, and of work arriving "entirely out of boxing." Now, everybody interested knows that these conditions have compelled manufacturers at Quincy and Barre to take extra pains with the boxing of work, which is, as a rule, boxed more strongly than any shipments of marble work from the quarries. Every dealer in the country, too, is supposed to be intelligent enough to understand, and from the evidences set before him, that when he buys monumental

work, either in granite or marble, he buys it F. O. B. quarries, and that when he ships at owner's risk he takes his chances, and relinquishes all claim on the railroad companies, in order to secure reduced rate of freight. And yet, for all this, we are sorry to say, that the majority of retail dealers will complain that work was insufficiently boxed; and in cases where work has been destroyed or lost in transit, they refuse to pay for work, without a lawsuit. There seems to be only one remedy for all interested, and that is to ship at carrier's risk, which we shall recommend henceforth. Evidence of delivery to the railroad companies, in the shape of shipping receipt certifying that work is shipped in good condition, is, of course, all that is necessary. We admit that it does seem a little arbitrary to insist that a dealer shall pay for work that he never receives. On the other hand, he buys work under the conditions stated above. We understand that on all grain shipped from the West, a sight draft is forwarded at time of shipment, attached to B. L., or in other words, that all grain shipped from the West is paid for spot cash, and before it ever reaches destination.—COOK & WATKINS, Boston, Mass.

As to freight rates, we think the "consumer should pay the tariff," and while we think the present rates may be too high, especially the western, they are so much lower than they used to be years ago that we sometimes think they are not so very high after all. However, we have signed some remonstrances, and while we are not in accord with some means adopted, we hope no ground has been lost.—SHARLES & BAXTER, Cedar Rapids, Ia.

This question is of vital interest to all, not only the granite dealers, but all dealers in movable property. Let us look this question squarely in the face. First, the railroad interests are one side and the community at large is the other. Say five or six presidents of certain divisions or roads constitute the railroad interests. These are the parties to whom we must apply for our redress, if we get any relief. How can we approach them? Appeal to Congress? Congress has no power. Appeal to the Interstate Commission. They are the power Congress sent to find out how the railroads were conducted, and in their report say they have no power to interfere. They now ask Congress to give them power enough to call witnesses and put them under oath, so that they can obtain some tangible information as to how the tariff is made up and levied. The only way we see to change rates is by petition to the presidents of the several roads when they are in session. If they will hear your petition, they can relieve you as no other power can. Now, all reduction in rates to relieve the granite dealers cuts into their revenues. This petition will go into a pigeon-hole, and you will be told the matter will come up later. So it will; a good deal later. Nobody can change these rates but the powers that make them. As long as the railroads are served better as they are, they will not be changed, and there is no law in the United States that will reach them. Railroad presidents are absolute. They are accountable neither to the president nor the people. They are a power beyond the reach of any law, and still exercise the right to levy and collect revenues of vast sums as their sweet will and wisdom directs. We do not wish to censure the railroad presidents, for we are in an age where business is business. But at the same time, when a business overreaches itself, and assumes the powers of government to the detriment of the governed, it makes us look up the history of the past. Then we find that it has always taken a rebellion of the people to get back the power that glided away so easily. If the railroad powers will not hear your petition what are you going to do about it? M. S. D.



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What Tends Most to the Success of a Retail Dealer ?

SO MANY and such exceptionally good "answers" have been received to the above query that it has been somewhat difficult to select the best and determine the winners of the prizes offered for the best three replies. The leading principles that make for success are found in nearly every answer. Many of the shorter articles, of which quite a number were received, contain sound business advice and will be published in a later issue.

First Prize—Harvard C. Wood.

The success of the monument dealer from an artistic standpoint, giving life's whole energies to the beautiful and enduring, or success from a mere financial end, riding roughshod over competitors, to the lowering of art in the incompleteness of design and workmanship. Which shall it be? A happy combination should be our ambition, taking all of the first, and the indomitable will, at least, from the last, and to achieve such results we must consider:

First, knowledge and experience. Both are powerful co-workers. The "knowing how," the acquired consciousness of superior judgment, then, the years of practical work, each day adding its lessons well taught and remembered.

Second, honesty and fair dealing. Having the knowledge and experience, stating to the buyer the exact truth, giving measure for measure, meriting the confidence that always follows, and confidence on the part of the public is as necessary to a successful business as "water to the duck." We stone men are like the doctor and undertaker, once establish our faithful performance of a contract to a family, and we are bound to get all its trade for successive years, as in our business satisfied customers seldom stray into other pastures, and with that we need: Tact, horse sense in dealing with our trade, especially with the ladies, as we all know that the fair sex probably constitute seventy-five per cent. of our buyers. Now, having the above requisites, we come to the vital points—the office and workshop with its multitude of details. Designing, estimating, sizing of stone, good workmen, plenty of tools, good blacksmith, careful lettering, and the latter is getting to be a serious matter, as granite work is old enough in our cemeteries now to show its worst feature, illegible lettering. We are using too much gold and white lead. Study the nature of stone, although in nine cases out of ten a raised letter is satisfactory and permanent, it undeniably looks better; and then the setting. How important to have proper foundations, a good eye for grade, and "looks just right," fine joints and lines, and good stone. We have too many granites these days. That is, so many grades not suitable for monumental stock; it is far better to confine ourselves to the leading quarries for certain kinds of work, get along better (with no heartburn after) than to use any old stone that comes along.

To sum up, a successful dealer in stone goods should have, knowledge and experience, not necessarily long years of patient drudgery, but quick aggressiveness, up to date. Superior tact in dealing with customers, honesty in purpose and practice, a well-managed office and shop, watchful of details, ever mindful of the small things that add up great totals in expense and loss of reputation; watchful of good workmen for good results; consistent and fair profits; making a customer and holding him; establish a reputation for these essentials, and trade with success financially and artistically will come to you naturally and easily.—HARVARD C. WOOD, 93 E. Stratford Avenue, Lansdowne, Pa.

Second Prize—Perry McQuan.

The success of a retail monument dealer depends wholly upon the man. The average dealer is a man that has grown up in the business, first serving as an apprentice, then as a journeyman, and when opportunity offered embarked in business for himself, on such small capital as he had by economical and frugal habits managed to save from his earnings. He is made of sound stock and shows superior marks of distinction. By instinct his judgment on the merits of a piece of rough stone or marble is quick, his excellent taste assists him to readily sketch such an artistic design as will please a fastidious customer; his skill enables him to carve inscriptions and beautiful designs; his tact gives him an ability to show up and sell goods to patrons; his struggle in carrying his business through a panic or a "silver dead lock in the Senate" has taught him to be cautious in money matters and not to carry long accounts, and his general experience in the varied role he plays, and his wide scope of training has developed methods that have had a tendency to make up a man of extraordinary executive ability, and of sterling business qualifications. A successful retail dealer is, therefore, a draughtsman, skilled mechanic, salesman, financier, and an all-round business man, and to continue his prosperous career and keep abreast of the times, he now must keep in the march of progress. By reason of strong competition and close margins, in these days of hustle and grab, he must be a man of push and energy. He must study what styles of monuments the public desire, and the means of production at a popular price.

While it is much more easy to procure a supply of marble at short notice, than it is a stock of rough or polished granite, dealers should learn the kind of granite best suited to their trade, and arrange to keep an ample supply of it in sight, so that orders may be executed and filled at short notice. Some dealers build up a large business by making a specialty of using the stone from one particular quarry, and advertising the fact extensively, and orders come to them from a great distance sometimes.

Then, as to style and design of monuments, they should strive to learn the demands of the people in their locality, and endeavor to make up a line of original designs, and thus be able to show patrons a set of designs that can not be seen elsewhere, and in that way orders will concentrate with the dealer who turns out designs based on his own artistic skill. Customers frequently call on several different dealers before making a selection, and at the present time dealers depend so much on stock cuts and designs, that customers going the rounds usually see the same styles of monuments in each place, and when they have called on all the dealers in their locality in hope of finding new, original or tasty designs, and find but one, usually purchase from that one, or the last one they call upon, as that dealer has the same designs they have been looking at in the other places, and, of course, after a comparison of prices and an offer to cut the price, they make a selection then and there. This is to be expected for there is no real need of going back, because the designs in each of the other shops are simply duplicates. Should any of the other dealers have an original design or one that suited their fancy, which had not been offered elsewhere, the customer might have returned and accepted it, even after having called on all the others.

In some sections, only large and high-priced monuments are in demand, while in most localities a medium-priced monu-

(Continued on page 42.)

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AWARDED GOLD MEDAL AT PARIS EXPOSITION, 1900.



Our new mill and twenty-ton traveller completed last August which doubled our facilities, we concluded would not be sufficient to take care of our increasing business, and we have just contracted for another new mill, additional power and extension of traveller, which will be completed February 1st. This, with our increased quarry, will put us in position to furnish 20,000 cu. ft. sawed marble per month.

You can increase your business in the same proportion by using the celebrated COLUMBIAN and ROYAL BLUE Marbles. We give prompt service. Send us a sample order. Western dealers will please address No. 36 LaSalle Street, Chicago. Edward MacLane, Mgr.

COLUMBIAN MARBLE QUARRYING COMPANY,

Dealers in BLOCK, SAWED AND FINISHED MARBLE,
RUTLAND, VERMONT.

What Tends Most to the Success of a Retail Monument Dealer?—(Continued.)

ment sells most readily, with now and then a high-priced one, so the size of monuments to be kept in stock must depend on the locality, and the judgment of the dealer. So "What Tends Most to the Success of a Retail Monument Dealer" is ORIGINALITY OF DESIGN AND PROFIT.

The same rules of economy, expense, and management, apply in a general way to this business as to almost any other, so it is claimed that the monument dealers success lies really in these two words, "originality" and "profit."

Profit, in a great measure, depends upon the originality of the design that is being offered. When a new or tasty style is offered, or one that no other dealer has in stock, there is always a chance to secure a better profit, than when a stock or trade design is exhibited, because when the other dealers have the same goods you offer, there is apt to be more or less competition in regard to price, and in most cases the profit will be cut down in order to secure the customer. Aim to keep a stock that other dealers must duplicate in order to be in direct competition with you. Always lead, but do not follow. Never take an order simply for the sake of getting it from the other fellow, unless you get the whole profit. Bear in mind that you are not doing business simply for pleasure, and that the only man that is successful is the man who gets a profit.—PERRY MCQUAN, Machias, Me.

Third Prize—Geo. A Douglas.

"Success" is a word used by retail dealers when their books contain quite a number of orders, which word is a misnomer in many cases, for the reason that a clear, fair, "business profit" cannot be figured out on the work obtained, and showing on the books as contracts, or simple verbal orders, or, as they are called, "shop orders." Success on this line is evidenced the country over through the scores of poor dealers in debt, their credit gone at wholesale headquarters, and the best years of their life dissipated in the fruitless effort to obtain success on a basis of a "no profit" business. And this sort of success is laid at the wide open door of "competition." Is it necessary for a man to commit suicide simply because his neighbor does? Is it necessary that a man should rush into a state of poverty because his neighbor thinks it best to do so? No. There are many reasons why he should not follow such an example. Let him analyze the career and habits of his neighbor, and so correct his own.

Success depends altogether upon good workmanship, good designs, truthfulness, a correct business method, generously bearing consideration for those possessing opinions other than one's own, good advice, patience and forbearance. Make friends, not enemies; do not vilify your neighbor in trade, but uphold yourself by speaking well of him, or "hold your peace." "Let him that is without sin cast the first stone."

With all of these good things which tend to success, do not forget that good honest material is a large factor, and the dealer who handles an A1 standard granite will be sought after by those in need of his services. And now, let me say, stand firm for a fair business profit. Take all of the good things mentioned above, mix them well together, and I will guarantee that the baking will come out of the oven a toothsome and dainty morsel, fit for a king. Another factor of success is the manner in which a place is conducted and kept; neatness and order will have its effect, a comfortable office, as free from dust as possible, a neat show-room, and withal, a competent salesman. Those dealers who cannot afford an office and show-room must study well the "fair business profit" end of the question, then the luxury will come along in good time.

Another source of success is the employment of agents,

well known for their integrity, and honesty among their neighbors, for it is a well-known fact that a dealer can be injured through the actions and words of an unscrupulous man far more than from any other cause.

And, finally, treat the wholesaler kindly; if you cannot pay him all pay him in part, and exhibit your good will.

All of these things, if closely followed, will bring about success, and by no other means can you reach it. Past experience teaches me that a fair "business profit" is the only straight road, and if you walk therein the crown of success will surely be yours.—GEO. A. DOUGLAS, Cincinnati, O.

Success depends upon the exercise of honest and strict business principles, and dealing with firms that furnish first-class stock and work. Another very special feature in this business is to have the best of lettering. The letterer should be a man that would take very special interest in his employer's business. There is a very great demand at this time for good lettering. Another very important factor is to put in good and substantial foundations, such as are proof against frost. Endeavor to sell your work at such prices that you may be able to furnish first-class work. There is no success in this business by selling work at prices that demand the use of inferior stock in the endeavor to beat your competitors.

Another way to succeed is to pay your bills promptly; which is a very great advantage in buying, for the dealer that does this will receive favors from all first-class dealers. In the employment of salesmen have good, honest men, who will neither deceive their customers nor employers. Proprietors, salesmen and letterers should all be temperance men. We, for ourselves, do our own selling, principally. We attribute one of our successes to the manner in which we approach the people. We do not approach possible customers at too early a date after death. Be pleasant and courteous in your manner. One should always take time to study one's customers, and while you are doing this, naturally they are studying you. Aim to find out what they have been thinking of purchasing, before giving prices. Then show your designs according to their ideas and never show too many styles at once. When you have your customer suited give him the price promptly, and the price for good work only. It should not be represented to people that a sale is below cost, but simply at living prices.

Last, but not least, one should take some good trade journal so that one can be well informed in all matters pertaining to the business.—A. H. GRAHAM, Toronto, Ohio.

In my opinion honest dealing will best cover this question. In order to be successful one must gain the confidence of the people, and I know of no better way than this of honest dealing. It does not infer that you must tell your customer all you know about the business, or sell to him at cost, but get a fair profit, have one price to everyone and treat everyone alike under like circumstances. When you sell a job try and make your customer understand, as nearly as possible, what the job is like, and give him just what you sell every time. Take no advantage under any circumstances, and keep your word at all times. Give no one a chance to say you lied to, or took advantage, of them. In this way you will gain the confidence and good-will of the people, and success is most certain.

When your customer comes and orders what he wants and does not ask the price, you have the proof of his confidence, but beware; here is a good temptation to make a mistake. Don't overcharge; better charge a little under than over in this case, or you will give him a chance to make talk that would be detrimental to you.

Having had fifteen years' experience in the retail monumental business, my opinion is that in order to be successful one must deal honestly.—A. S. HEAL, Belfast, Me.



E. C. W. No. 1141.

and are prepared to supply *ITALIAN MARBLE STATUARY, BUSTS, ALTARS, Etc., Etc.*, at *First-Hand Prices* and solicit your correspondence.

No matter what you want in our line this year, don't forget to first obtain our Estimates.

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CHICAGO.

PROPOSED MONUMENTS

Washington, D. C. The following bills have been introduced into Congress calling for appropriations for the erection of monuments. They were referred to the committee on the library for action:

By Representative Hemenway. Appropriating \$20,000 for the purpose of erecting on the grounds of the Smithsonian Institution in Washington, D. C., a statue of the late Robert Dale Owen, who was chairman of the first board of regents of said Institution, and devoted many years of his life to its organization and success.

By Representative Otey. Appropriating \$5,000 for the erection of a monument to Andrew Lewis, at or adjacent to Salem, Roanoke County, Virginia.

By Representative Fitzgerald. Appropriating the sum of \$100,000 as a part contribution to the erection of a monument in Fort Greene Park, in the city of New York, to the memory of the twenty thousand patriot soldiers and sailors of the colonial forces in the war of the Revolution, who perished upon the English prison ships in New York harbor. The Daughters of the American revolution and the Daughters of the Revolution, the Sons of the Revolution and the Sons of the American Revolution have collected several thousand dollars for this fund.

By Representative Kitchen. A joint resolution to carry into effect two resolutions of the Continental Congress, directing monuments to be erected to the memory of Generals Francis Nash and Wm. Lee Davidson, of North Carolina, and appropriating \$10,000 for the erection of the two monuments.

By representative Mondell. Appropriating \$800 to enable the Secretary of War to mark the site of the Massacre Hill battlefield, in Sheridan county, Wyoming, and to erect thereon a monument to the memory of Brevet Lieut.-Col. Fetterman and other officers and privates of the United States Army, who fell at that point.

By Representative Bellamy. Appropriating \$10,000 to inclose and beautify the grounds and repair the monument on the Moore's Creek battlefield, in North Carolina.

The following bills were introduced and referred to the Committee on Military Affairs:

By Representative Mahon. Authorizing the Secretary of War to cause to be erected monuments and markers on the battlefield of Gettysburg to commemorate the valorous deeds of certain regiments and batteries of the United States Army, and appropriating \$50,000 for carrying out the work.

By Representative Lassiter. To establish a national military park at the battlefields around Petersburg, Va.

By Senator Hoar. A joint resolution authorizing the selection of a site and the erection of a pedestal for a bronze statue in Washington, D. C., in honor of the late Henry Wadsworth Longfellow, and appropriating the sum of \$4,000 for the work.

By Representative Crumpacker. A bill to erect a monument or memorial temple on the Tippecanoe battle ground, in Tippecanoe County, Indiana, and appropriating \$50,000 to carry out this work.

By Representative Cummings. A bill to assist in the erection of a monument and statue to the memory of the late Capt. Samuel Chester Reid, in Greenwood cemetery, Brooklyn, N. Y. The bill carries with it an appropriation of \$5,000 to assist in the work.

By Representative Gordon. Appropriating \$30,000 for the erection of a memorial building or monument at Fort Recovery, Ohio.

By Senator Cullom. Providing that the chairman of the Joint Committee on the Library, the Secretary of State, and the Secretary of War, be created a commission to select and secure plans and designs for a monument or memorial to the memory of Abraham Lincoln.

By Representative Sulloway. Appropriating the sum of \$40,000 for the erection of an equestrian statue of Major-General John Stark, within the city limits of Manchester, N. H.

By Representative Lamb. A joint resolution appropriating \$1,000 for the purpose of marking the spot in St. John's cemetery, in Richmond, Va., where the remains of George Wythe, one of the signers of the Declaration of Independence, lie buried, with a suitable shaft.

By Representative Grosvenor. Appropriating \$300,000 to enable the Secretary of War to erect at Chattanooga, Tenn., under the supervision of the Chickamauga and Chattanooga National Park Commission and their engineer, a memorial arch, to be known as the Arch of Nationality.

By Representative Rixey. To protect the monuments already erected on the battlefields of Bull Run, Va.

By Representative Bromwell. Appropriating \$50,000 for the erection of a monument, with appropriate inscriptions, to William Henry Harrison, at North Bend, Ohio.

By Representative Capron. Providing for the erection of a monument at Put-in-Bay, Ohio, commemorative of Commodore Oliver Hazard Perry and those who participated in the naval battle of Lake Erie. The sum of \$25,000 is asked for.

By Representative McCall. A bill authorizing the Joint Committee on the Library to purchase the statue, by Cyrus Cobb, entitled "America," to be placed in the capitol or new library building.

By Representative Littlefield. Appropriating \$25,000 for the erection of a monument to the memory of Major-General Henry Knox, at Thomaston, Maine.

By Representative Cummings. A joint resolution granting permission for the erection of a bronze statue in Washington in honor of General Francis E. Spinner, late treasurer of the United States.

By Representative Talbert. Appropriating \$25,000 for the erection of a monument to the memory of Travis, Bonham, Bowie and Butler for gallantry and heroism during the Mexican war, to be erected at Saluda, South Carolina.

By Representative Littlefield. A joint resolution appropriating \$10,000 for the purpose of preparing a site and completing the erection of a monument to the memory of Dorothea Lynde Dix on the property now owned by the National Dorothea Dix Memorial Association at Hampden.

By Senator Pritchard. A joint resolution granting permission to the Shipp Monumental Committee, of North Carolina, to erect a monument in honor of the late Wm. E. Shipp, on the premises upon which the government building is located in Charlotte, N. C.

By Representative Southard. A bill appropriating \$50,000 for the erection of an equestrian statue to the memory of Brigadier-General Casimir Pulaski, at Washington, D. C.

By Representative Cummings. A joint resolution granting permission to the Grand Army of the Republic to erect a statue to B. F. Stephenson, founder of that order, at Washington, D. C.

Bids wanted for the modeling in clay and carving in sandstone of the frieze of an arch. Frieze to be 220 feet in length and 12 feet in height. Subjects historical; relief about 20 inches. Address, "Contractor," care MONUMENTAL NEWS, Chicago.

(Continued on page 68).

A Twentieth Century Plant.



JOSEPH NEWALL & CO. *Dalbeattie Granite Works* **WESTERLY, R. I.**

**Blue, Pink and Red
Westerly Granites
From Our Own Quarries.**

New Red Beach
Red, Beaver Lake
Black, Sea Green,
Jet White,
Reed Isle Pink.

**Monuments, Tablets, Tombs,
Columns, Balusters, Samples,
Vases, Balls,**

Bay of Fundy,
Black Diamond,
Fox Island,
Jonesboro,
Pleasant River.

In any of these Granites. We have an up-to-date mill full of machinery and one of the best water powers in the country. Write us for anything that can be made of granite.

O. S. TARBOX,
Pres. and Gen. Mgr.
G. H. HUNT, Treas.

MAINE RED GRANITE CO.
RED BEACH, ME.

EDW. MACLANE,
Chicago,
Western Agent.

: Notes of Retail Dealers. :

ARKANSAS.

Among the contracts of A. H. Morley, of Fayetteville, was one for a granite monument for the Combs estate, weighing about three tons. The contract price was \$1,500, and the freight from Quincy was \$200.

Mr. Pritchett, of the firm of Pritchett & Lee, of Batesville, has bought out the interest of his partner, and will conduct the business alone.

CANADA.

The contract for the erection of the Robert Burns monument at Toronto, Ont., has been awarded to the McIntosh Granite and Marble Co., of that city. The monument will consist of a statue surmounting a pedestal of gray granite, bearing four bronze panels, illustrating, respectively, "The Cottar's Saturday Night," Tam O'Shanter Crossing the Brig o' Doon, the "Address to a Daisy," and the cottage where Burns was born. The unveiling is set for July, 1902, on the anniversary of the poet's death.

COLORADO.

A. F. McFarlane, formerly of Hardwick, Vt., and C. A. Batchelder have formed a co-partnership and will open a shop in Denver, under the firm name of the McFarlane Granite Co.

ILLINOIS.

The Grindol Marble Works, Decatur, are to put in a new boiler which will double their engine power, and will also enlarge their compressed air plant.

W. H. Hilton, of the Taylorville Steam Granite Works, has secured the contract for a monument of Vermont granite, to be erected at Assumption, at a cost of \$4,000.

The firm of Horn & Timm, of Arcola, has been dissolved. Alderman L. S. Horn will continue the business alone.

A. C. Best, Princeton, writes: "Business has been exceptionally good this season; after a thirty years' experience, I have never known it to be more satisfactory."

Charles Clark will open a marble and granite shop at Newton.

The Zeran Marble and Granite Works, Cairo, are erecting a new building to accommodate their growing trade, and are making arrangements to increase their capital stock from \$5,000 to \$25,000. They write as follows concerning their business outlook: "Business with us the past year has been the best in our experience and the indications are that we will more than double our business the coming year."

John Merkle & Sons, Peoria, have been busy with a number of contracts in Fairbury and neighboring towns. This firm was established in 1854, and report as follows concerning present prospects: "The closing year has been a record-breaker in the monument line with us. We have more than doubled our business, and could have done a great deal more had we been able to get men to finish the work. Ninety per cent. of our work has been done without agents."

An elaborate mausoleum is to be erected to the memory of Albert Gardner Cone in Oakwood cemetery, Chicago. It will be similar in design to a Greek temple, and will contain two crypts. The floor will be in four pieces, each slab of granite being two feet thick, and four monuments will stand at the entrance. The roof will be in three pieces, the general plan being to have as few joints as possible. The exterior will be of Vermont granite, and the interior of red Maine granite, and will cost \$20,000. Handy & Cady are the architects, and the Harrison Granite Co., Barre, Vt., the contractors.

INDIANA.

Theo. F. Gaebler, of Rockville, was in Chicago on business during December. He reports having had a busy year. Among his important contracts was a large mausoleum of Bedford stone.

John W. Hoadley, Jr., formerly of the Stineville firm of Hoadley & Sons, has moved to Champaign, Ill., where he will engage in business.

Ira Manford, formerly in business at Aurora, Ill., has moved his shop to Williamsport, in this state.

IOWA.

J. M. Graham, president of the Des Moines Marble and Granite Co., who has been critically ill for some time past, is able to be at his post again.

H. C. Moody, Cedar Rapids, writes that Iowa dealers took advantage of the fine weather in November and early December to set a great deal of their fall work.

Searles & Baxter, Cedar Rapids, write that trade has been very satisfactory and better than in any year since 1892 and 1893. They expect a still larger trade for 1902, and go into "winter quarters" with an unusually large number of orders.

The Davenport Stone Co. will install a plant at DeWitt, under the management of William Zeigler.

The firm of Leins & Herter, at Grinnell, has been dissolved. The business will be conducted by D. J. Herter.

Geo. J. Gruber, formerly of the Gruber Monument Co., Muscatine, is now manager of the Lightning Medicine Co., Rock Island, Ill.

M. B. Rost & Son, Ottumwa, report that business has been good during the past season, although competition was close, and say that indications for 1902 point to a fair prospect.

Godden & Ballard, Emmetsburg, write that business has been very good, and that they have been kept hustling with about \$60,000 worth of orders, and expect to increase it by \$8,000 or \$10,000 in 1902.

KANSAS.

C. W. Benham, of Beloit, joins in the general chorus of prosperity as follows: "Business is good here and prospects bright for the future."

Harley Moon will succeed to the business of his father, T. E. Moon, at Emporia, January 1.

MAINE.

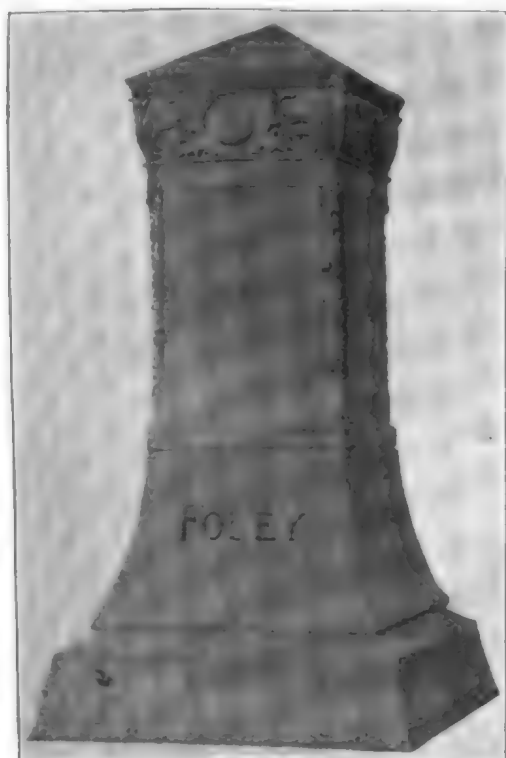
Charles F. Jackson, Mechanic Falls, has sold out his interest in the Mechanic Falls Marble and Granite Works to H. S. Decker.

N. H. Higgins, of Ellsworth, died in December.

MARYLAND.

J. Henry Young, of Pocomoke City, has taken a partner. The firm is now Young & Wicks.

BALTIMORE.—Wm. Gault & Son are finishing some large local contracts and have had a very prosperous season. H. Sisson's Sons have had an excellent season, and say there is no perceptible decrease in the demand for marble for monumental work in the south. Gadden Bros. have removed from 6 West Fayette street to 115 N. Liberty street, where they have large warerooms for showing specimens of their work. Wonder has often been expressed as to why the people of the south continue to use marble for monumental purposes. This is said to be due largely to the fact that marble stands up very much better in the climate of the South than in the North and East. There are some specimens of marble headstones over 100 years old near Baltimore, which are still in fairly good condition.



THE GENUINE
Pink Westerly Granite

can be had in any quantity from
our quarries in the rough or finished
state at the lowest possible rates.

Monuments, Vaults, Statuary

FROM OUR

BLUE GRANITE

are unexcelled anywhere.

Fine Carving, Turned and Polished
Work a Specialty.

Satisfaction Guaranteed. Correspondence Solicited.

SMITH GRANITE CO.

WESTERLY, RHODE ISLAND.

== Leader of Them All ==

Quincy Granite

McDONNELL BROS.

1876

QUINCY, MASS.

1902

The Bronze Outlook

The outlook for the bronze business for the coming year, from our standpoint, is very brilliant indeed. We have orders booked at the present time that will keep us working at our best for many months to come.

We do not see any reason why there should be any let-up to the extension of business, in fact, we are assured that the business is rapidly expanding, and if the orders continue to come at the pace they are now following we shall have enough work to keep us busy for at least two years.—ADRIAN A. BUCK Gorham Manufacturing Company, New York.

We believe that the outlook for future business in the bronze line is very encouraging. The indications are of the most promising kind. Most of the best and well known sculptors are engaged on large work to be erected in bronze in the near future, and we are pleased to state we have been successful in securing several contracts. Among the work just finished we have shipped to the Art Institute in Chicago, a group entitled "Sun Vow," modeled by Mr. H. A. MacNeil, sculptor, and cast in one piece by the Cire Perdue process. We have also completed a heroic bust of Franklin, modeled by Messrs. Piccirilli Bros., sculptors.—R. BERTELLI, Roman Bronze Works, New York.

Paul E. Cabaret, New York, writes: "We have for the past six months been kept busy to such an extent that we could not complete orders fast enough for our customers." This firm has on hand a large number of contracts for bronze work on mausoleums in different parts of the country and is assured of a busy season, both in that class of work and in the way of bronze memorial tablets, of which they have cast a large number during the past year.

The Jno. Williams Bronze Foundry, New York, have had their usual busy season in statuary and ornamental decorative work in bronze and other metals. The fact that they have during the past year erected a new six story building adjoining their old works, is sufficient guarantee of their development, and preparation for future expansion.

We beg to state that business with us, in all our numerous lines, is quite up to our expectations and with a very favorable outlook for the future.—C. A. PECK, The J. L. Mott Iron Works, New York.

The bronze statue of Col. William H. Watson, which is to surmount the monument to Mexican War veterans, to be erected in Baltimore, Md., is to be cast by the Winslow Bros. Co., of Chicago. The statue is to be eleven feet high, and the total height of the monument is to be 37 feet. It consists of a massive granite column with decorative cap and base, mounted on a low base of circular steps. The monument is to stand in the plaza at the intersection of Liberty, Park and Fayette streets, and is to be constructed by the Guilford & Waterville Granite Co. Charles Pike, of New York, is the sculptor, and the designs are by Hodges & Leach, architects, Baltimore.

The American Bronze Co., Chicago, is to cast the heroic figure of a soldier to surmount the Confederate monument at Charlotte, N. C. The statue is seven feet high, and represents a soldier in fatigue uniform with gun at the position of charge. It was modeled by Sigvald Ashjornsen.



Bliss Bros.



Photographers of Monuments, Mausoleums AND HEADSTONES.

The reduced Engravings on this page will demonstrate to you the perfection of our photographs, which are used by the most successful dealers throughout the country.

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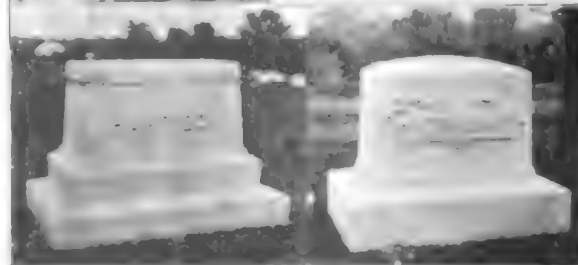
Contains over one thousand of the latest designs, erected in various Cemeteries, throughout the Eastern and Western States.

Write for Illustrated Circular
and Price List.

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designs. The exclusive use
of the negatives guaranteed



ALEX. FRASER & CO.

MANSFIELD, OHIO

EXCLUSIVELY WHOLESALE DEALERS IN

**American and Foreign Granites
MARBLE, STATUARY, Etc.**



TRY US!

"Honesty in all

Things" is our

Motto.



First-Class

Work and Stock

artistically

detailed and

finished.

Prices reasonable.



A SPECIMEN OF OUR WORK.

Retail Dealers who appreciate draftsmanship and designing ability, combined with superior workmanship, will find it to their interest to place their orders with us. We have had twenty-six years' experience and received our early training in the largest and finest monumental works in the world.

Main Office:

MANSFIELD, OHIO

BARRE, VT.

ABERDEEN, SCOTLAND

The Granite Outlook

The outlook for business in the granite line for 1902 could not be better from our standpoint. We shall be forced to run our quarries to their full capacity through the winter in order to handle business which we have on our books and which is in sight for next season. The trade, generally, appears to be in good, healthy condition, judged by collections, which have been and are very satisfactory.—THE QUINCY GRANITE QUARRIES CO., by E. E. Morgan, Quincy, Mass.

We feel confident of a very prosperous business for the coming season. We have numerous large orders on hand, and a great many more contemplated ones. Undoubtedly all of the principal granite centers will be taxed to their utmost, and it will be well for the retailers to place their orders in good season to be sure of prompt shipment for Memorial Day.

We have never felt more satisfied than at the present time, at the outlook for spring business; and the increase in the monumental line, which has been so good in the seasons past, bids fair to outdo, in our opinion, any season that we have experienced.—GEO. H. HITCHCOCK GRANITE CO., by J. P. Sears, Boston, Mass.

The indications now point to a heavy business for 1902. The output for the past year with this company has been very satisfactory. We are now putting in additional polishing machinery to keep up the growing demand for our granite.—MONTELLO GRANITE CO., C. S. Richter, President.

The present year has been the best in our business since 1892 and I see no indications of any decrease in the volume for the coming year. In fact, I believe that the indications point to a greater demand for Quincy granite than ever before. During the present year the Quincy manufacturers were working at a very great disadvantage on account of the scarcity of dark stock, and there is no doubt in my mind but that we lost many thousands of dollars worth of orders on that account. From the present condition of the quarries, and the determination of the quarry owners to keep pace with the demand (which they were positively unable to do this year) I believe that at least one-third more dark stock will be quarried in 1902. This will assist in relieving the manufacturers from the necessity of refusing orders from responsible dealers, on account of the uncertainty of the time when they could get the stock from the quarries. It will also add to the increased volume of business which we are all looking forward to in 1902.—T. F. MANHEX, West Quincy, Mass.

Trade the present year has shown a decided improvement over preceding years, and in my judgment, prospects are bright for 1902. We have shipped more large and elaborate work during 1901 than any previous two years' business. The demand for Scotch granite and Italian marble statuary is increasing and our trade in these commodities for 1901 increased 27 per cent. over those of 1900.—E. C. WILLISON, Boston, Mass.

The trade indications for the granite output for the ensuing year, in our opinion, are as bright as they have been for the last ten seasons. Our trade for the past year has been beyond our expectations. Early in the season, we made extensive improvements, hoping thereby to take care of our rapidly increasing business, but find that we shall have to carry over until the spring of 1902 quite a number of orders unfilled. The

cold weather shut down very much earlier in New England this season than it has for a good many seasons in the past, and it has been a serious handicap for outdoor work.—TROY WHITE GRANITE CO., A. O. Knight, Sec.-Treas., Worcester, Mass.

The indications are as good for trade as they generally are at this time of the year. It has been very cold here through December for so early in the season and makes quarrying almost impossible.—SMITH GRANITE CO., W. S. Martin, West-erly, R. I.

We believe the outlook for the coming year in the granite business is encouraging in every way. We notice a stronger call for the best class of work in the way of larger monuments and mausoleums; while perhaps there is not quite the demand for the cheaper monuments. The outlook in the building line is certainly very encouraging; though we feel in both lines there is still a strong tendency to figure on too close a margin and to name prices that are altogether too low, considering the demand for granite and the scarcity of help.—BICKFORD, MORE & CO., Geo. H. Bickford, Manager, Hardwick, Vt.

The granite business of the past season has been the best that it ever was. All the orders that we could handle at extra good prices and collections good, three things in the granite business that very seldom travel in company.

The outlook for the coming season is favorable, there is a large amount of building all over the country, and the architects are calling more and more for polished granite. We are getting quite a number of orders and estimates in our monumental department for spring delivery, and things in this section look like a continuation of the good times of the past season.—MAINE RED GRANITE CO., O. S. Tarbox, Pres.

The beginning of cargo shipments of rough granite to Europe may be confidently expected this year. This trade will be confined principally to quarries easy of access by ocean-going vessels and has great promise for Maine, whose rock-lined coast affords unsurpassed opportunities for water shipments of granite of an excellent quality and great variety.

Granite producers of St. Cloud, Minn., have organized a local association embracing six firms, whose annual output of cut stone is valued at \$500,000. The objects of the association will be to develop the industry, procure contracts and arbitrate wage matters. The Arnold Granite Co., of St. Cloud, has secured the contract for furnishing the material for the large railway bridge to be erected in Plattsmouth, Neb. The contract will amount to about fifty cars, and will employ forty men for three months.

The Barre, Vt., quarries have had an exceptionally busy year, and the shipments include some very large work. Many improvements of a substantial nature were made by manufacturers and quarry owners during the year and others are in contemplation. Manufacturers are, as a rule, well stocked with winter work. An extension on the Delaware & Hudson River railroad from Rutland through Barre to the northeastern part of the state is being agitated. Such an improvement would be a most welcome addition to Barre's railroad facilities. The outlook for business is regarded as very encouraging.

Concord, N. H., quarry owners and manufacturers confidently anticipate a continuance of the prosperity they have enjoyed during 1901. Ola Anderson, John Swenson and Thos. Fox, prominent manufacturers, have been in the West during the fall and winter, and report very promising conditions.

MONTELLO GRANITE CO.

...PRODUCERS OF THE...

Most Handsome and Durable Monumental Granite on the Market.



Notice how distinct the lettering appears,
and it will not tarnish.

Monuments up 15 years look like this.

We control and own all the Quarries and
give exclusive Sale to dealers in
territory not taken.

MONTELLO GRANITE CO.,

MONTELLO,

WISCONSIN.

Bickford, More & Co.
HARDWICK, VT.

Woodbury Granite Co.
HARDWICK, VT.

GEO. H. BICKFORD
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Wholesalers and
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**Mausoleums and
Large
Monumental Work**

From our Celebrated

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Granite**



A PARTIAL VIEW OF OUR QUARRIES.

WRITE FOR ESTIMATES

Sole Owners and
Producers of

**High Grade
Monumental and
Building . . .**

GRANITES.

**✓ We have unsurpassed
facilities for handling blocks of
unusual dimensions.**

The Marble Outlook

Our output for 1901 was the largest in the history of our company, and, thanks to active and persistent efforts against raise in freight rates, even going so far as to shut down the works, the railroads have conceded a lower rate of freight than we ever before enjoyed and our trade will prosper accordingly. —THE GEORGIA MARBLE FINISHING WORKS, T. M. Brady, Manager, Canton, Ga.

The volume of business, both in the interior and monumental lines, has been very satisfactory during the past year; although the exorbitant class rates charged by railroads the last two months put quite a "damper" on the business. Rates are now adjusted on a satisfactory basis, and we feel confident of securing a generous increase of business during the coming season. —GEORGE B. SICKELS & CO., Tate, Ga.

In our opinion, prospects for increased demand for marble for both monumental, interior and exterior building work was never so flattering in the history of the country; in fact, the marble age is just dawning in the U. S., and this is largely through the awakening of the people to the fact that marble is the most enduring of all stones.

Granite will decay and the records be lost to posterity, while the history of the world has been brought down through the agency of the marble inscriptions of the ancients.

The architects of the country, recognizing the fact of the greater durability of marble, are specifying that material for the large public libraries, cathedrals and public buildings throughout the country, and the craze for granite for monumental purposes is dying out, through the enlightenment of the dealers and consumers of stones for memorial purposes.

It is, therefore, not surprising that in the past twelve months there have been finished and are now under construction in the state of Vermont no less than 100 gangs of marble saws to meet the increased demand for marble, besides thousands of cubic feet of marble being shipped in the block to the cities where it is being worked.

The output of our company was doubled the past year, and we are preparing to meet the increased demand by doubling our present capacity, which we expect to have in operation by February 1, 1902. —COLUMBIAN MARBLE QUARRYING CO., J. F. Manning, President, Rutland, Vt.

In an experience covering the time since Georgia marble was first brought before the dealers throughout the country, having billed the first carload of Georgia marble made up of small lots for different points in Tennessee, Kentucky, Ohio and other states, I have never seen a more promising outlook for a large and satisfactory business than presents itself at this the opening of a new year.

The introduction of Georgia marble was a slow and tedious undertaking, the formation, hardness and the working of the material being very different from the other marbles used by the trade, it was easy to prejudice the dealers and their men against it. This product, however, has become so thoroughly introduced that no matter where you go you will find it known. No state is without it, and you can hardly visit a cemetery without finding it as bright and fresh as the day it was erected. The quarries report business so heavy that it is with difficulty orders are filled, and the wholesalers and finishers are all slow in filling their orders in consequence of the volume of business.

The building branches of the trade are also all furnishing marble in large quantities for both exterior and interior of

prominent buildings, among the more important being the New York Stock Exchange, New York City, the Century Building, Piedmont Hotel and Peters Building, Atlanta, Ga., the new county court house, Waco, Texas, and all those interested in Georgia are proud of the fact that the states of Rhode Island and Minnesota built their capitals of Georgia marble.

The retail dealers are the friends of the wholesalers, and upon the success of the retail dealers depends largely the success of the wholesalers. The reports received from these dealers and the number and size of the orders now coming in clearly demonstrate the fact that the business for the coming year will exceed in volume any year's business we have ever had heretofore. —GEO. F. NEWELL, President The Kennesaw Marble Co., Marietta, Ga.

The past year has been one of the best we have experienced. The outlook for the coming season is all that we could wish. Orders for carloads for winter delivery have kept us so busy we have been unable to ship our stock as fast as produced. The marble business, so far as we can judge from orders coming in, will be fully as good throughout the country as last year, except possibly in some parts of the west, where last season's drouth was the worst. Dealers in that section are cautious in ordering as they say they have had to carry over quite an amount of work.

We have booked an unusual amount of finished work to be shipped in February and March, which will keep our finishing shop going with a full force and full time all winter. We have increased our capacity so as to be able to take care of the large trade we expect. —NORTHERN NEW YORK MARBLE CO., A. M. Jepson, Sec. and Supt., Gouverneur, N. Y.

The Southern Marble Co., of Marble Hill, Ga., has shared in full measure the general prosperity. Its output has only been limited by its facilities, which last have been augmented largely during the season. We have worked three quarries and two mills night and day, and begin now to see fulfillment of contracts. —R. P. BRECHER, Treasurer.

Representatives of the Vermont Marble Co say they have had an unusually busy year, with an unprecedented demand for interior marble work. There is every indication that an active demand will continue for some time.

The Tennessee quarries have shared in the general prosperity, the Evans Marble Co., Tennessee Producers' Marble Co., and other concerns having had a busy year. Large consignments of Tennessee block marble are shipped to New York and Boston principally for interior work. Throughout the South there is a good demand for monumental marble.

A number of new companies are forming near Spokane, Wash., and the peculiar markings of the marble and the wide extent of the deposits make it of great value in decorative work. The Alaska Marble Co., near Valley, Wash., is installing new machinery, for quarrying and polishing in a quarry of a peculiar mottled yellow marble which they have just opened. Another new company is being formed at Spokane to develop a deposit on the Okanogan river, six miles from Riverside. The company has located six claims, said to be rich in the white, white mottled, blue, and black varieties, and will be incorporated with a capital stock of \$1,500,000.

W. A. Cooper, of Cooper Bros., Raleigh, N. C., has been inspecting marble deposits in the western part of that state, and believes that it will soon become an important marble center. The marble is reported to be of very fine grain, varying in color from white to almost black, and is apparently inexhaustible.

Maguire & O'Heron,

Monumental QUINCY GRANITE Building

A MODERN GRANITE WORKING PLANT, UP-TO-DATE MACHINERY, POLISHING
PNEUMATIC TOOLS, TRAVELLING CRANE. ETC.

*** THREE QUINCY QUARRIES IN OPERATION. ***

Prompt Shipment of Rough Stock for Monumental or Building Work.

Squaring or Polishing at Lowest Prices.

LARGE WORK IN MEDIUM AND DARK MEDIUM QUINCY GRANITE A SPECIALTY.

Works, One Mile from Quincy Quarries.

EAST MILTON, MASS.

DILLON & HALEY,

...MANUFACTURERS OF...

High-Grade Monumental Work

...FROM SELECTED...

BARRE GRANITE

Dies, Caps and Bases Polished for the Trade.

Send us a trial order.

Our work is guaranteed to be first class.

MONTPELIER, VERMONT.

The modern equipment of our works, comprising a powerful traveling derrick, air compressor and pneumatic tools, operated by a thirty horse-power electric motor, polishing mills, etc., insures prompt and satisfactory attention to all orders.

Our shipping facilities are unsurpassed.



MASSACHUSETTS MONUMENT AT ANDERSONVILLE.

The monument illustrated above was unveiled December 19, 1901, at Andersonville, Ga., by the State of Massachusetts, in memory of soldiers of the Civil War. The memorial is of Quincy granite, fourteen feet high, and the surmounting ball of polished granite is two and one-half feet in diameter. The memorial weighs thirty-five tons, and was executed by John Thompson & Sons, Quincy, Mass. The lot was purchased by the Woman's Relief Corps, and an appropriation of \$8,000 was made by the legislature for the monument.

ILLUSTRATIONS

Plates in Photogravure Edition.

(Formerly The International Edition).

- NO. 602. ALDRICH MAUSOLEUM; ERECTED IN ROCK Creek Cemetery, Washington, D. C., by J. F. Manning & Co. Material, New Hampshire granite and Columbian marble.
- NO. 603. ORIGINAL DESIGN FOR SARCOPHAGUS Monument, "Height." Sizes: Base, 10' 0" X 6' 8" X 1' 0"; Base, 7' 0" X 3' 8" X 1' 2"; Die, 6' 0" X 2' 8" X 3' 0".
- NO. 604. DESIGN FOR MONUMENT, "BELL," BY R. C. Blockson, Boston, Mass. Sizes: Base, 3' 10" X 3' 10" X 1' 4"; Base, 2' 8" X 2' 8" X 1' 0"; Die, 2' 0" X 2' 0" X 3' 6"; Finial, 1' 10" X 1' 10" X 2' 6"; Height, 8' 4".
- NO. 605. DESIGN FOR MONUMENT, BY E. SARGENT Sampson, New York. Sizes: Base, 7' 0" X 3' 6" X 1' 0"; Base, 5' 9" X 2' 3" X 0' 10"; Die, 5' 0" X 1' 6" X 1' 6"; Cap, 5' 9" X 2' 3" X 0' 8".
- NO. 606. DESIGN FOR SARCOPHAGUS MONUMENT, "Crossland," by B. F. Allen, Indianapolis. Sizes: Base, 5' 2" X 3' 4" X 1' 5"; Base, 4' 0" X 2' 2" X 1' 1"; Die, 3' 4" X 1' 6" X 3' 6".

USE A SURE GRIP.



STEEL TACKLE BLOCK,

And Save TIME, MONEY AND WORRY.

Operates easily.
Holds Load at any point.
No better Grip made.
Illustrated circular on application.

FULTON IRON & ENGINE WORKS

DETROIT, MICH.

Syenite Granite Co.

125 S. 4th St., ST. LOUIS, MO.

WORKS AT GRANITEVILLE, MO.

THE FAMOUS RED MISSOURI GRANITE.

Equal to
the best
-of Scotch.

Air Brush Designs



REGISTERED.

have made more money for monument dealers than any other kind. Hundreds of dealers and draughtsmen are now using our

AIR BRUSH

and endorse its points of excellence. No designer's outfit is complete without one.

DESCRIPTIVE CIRCULARS AND PRICE LIST ON APPLICATION.

AIR BRUSH MFG. CO.,

145 Nassau Street,

ROCKFORD, ILL.



Flower Vases

MFD. BY

KRAMER BROS.

DAYTON, O.

☞

Write for Catalogue
and Prices.

MERIT WINS.=====



Burns Monument Barre, Vt., Executed
by Barclay Bros.

The result of our policy to furnish the best of work and stock at reasonable prices has increased our business to such an extent that we now have one of the largest plants in the country.

Let us hear from you on the work you are particular about, whether large or small.

THE WESTERN TRADE
referred to

CHARLES H. GALL,

79 Dearborn Street, Chicago.
Western Representative

BARCLAY BROS.,

BARRE, VT.

THOMAS FOX

Sole Owner of the

DARK BLUE "TOPAZ" GRANITE CONCORD, - N. H.

I also carry in Stock a large supply of

Barre, Quincy and Pink Granite

which enables me to ship combination
carloads at short notice.

When in need of Vault work write me for prices and designs, also write me for Stock
Sheets of work generally on hand at reduced prices.

=====ADDRESS ALL COMMUNICATIONS TO=====

THOMAS FOX, CONCORD, N. H.

MONUMENTAL NOTES

Artists of Rhode Island recently erected in the North Burial Ground, Providence, a memorial to Henry M. Bannister, one of the leading artists of the state. It consists of a boulder on which is placed a bronze palette, appropriately inscribed.

The common council of the city of Milwaukee has passed a resolution directing the Board of Public Works to transmit to the council an estimate of the cost of erecting from 15 to 20 drinking fountains in various parts of the city, and the board has sent out notices to several of the alderman asking them to suggest sites in their wards.

The soldiers' monument erected at Towanda, Pa., in memory of Bradford County soldiers was recently unveiled with impressive ceremonies in the presence of Governor Stone and other distinguished visitors. The memorial is of Vermont granite, consisting of a shaft 35 feet high, surmounted by the figure of a color sergeant, and cost \$18,000. Around the base are four carved figures, representing Infantry, Cavalry, Artillery and the Marines.

The children of the late Judge James M. Jackson are having erected in the court-house square in Parkersburg, W. Va., a memorial fountain in honor of their father. A bronze bust of Mr. Jackson mounted on a decorative pedestal will be the central feature of the fountain. A small basin is just beneath the pedestal, and at each end of the larger basin, are carved pillars with basins for drinking purposes. The fountain is to cost \$10,000 and is to be completed next spring.

The Colonial Dames recently unveiled in St. Paul's churchyard, Augusta, Ga., a monument to James Oglethorpe, founder of the early Colony of Georgia. It consist of a Celtic cross, cut from granite found in Oglethorpe county, Ga., mounted on a rock-faced base, across which has been placed an old colonial cannon. The memorial stands on the site of the old fort built by order of General Oglethorpe in 1736, and known throughout the Revolution as Fort Cornwallis.

The Soldiers' and Sailors' Memorial Committee in charge of the erection of the monument at Eighty-ninth street and Riverside Drive, New York City have let the last contract for the work. It was for the erection of the approaches, and was awarded to Thomas Dwyer, the contractor for the rest of the monument at a price of \$59,400. The contract for the monument was let a year ago last September, and the total cost will be about \$270,000, exclusive of the site which was a gift from the city. Charles W. Stoughton is the architect of the memorial.

Emil O. Strauss, of Kenosha, Wis., recently sent to the Emperor of Germany a bust made of a compound of plaster resembling marble which was invented by Strauss's father. While the elder Strauss was a marble cutter in Posen, Germany, the Emperor gave him an order for some decorations in the material which he was then perfecting, to be placed on a hunting lodge of the Kaiser's near Posen. Strauss died taking with him the secret of the compound, and his son, who has been working on it for the past twelve years, has just developed the imitation marble and finished the order given to his father.

Write for our Special Price

on our all-hammered and carved granite monuments. You will want to put one or more of them in Stock.



Our Highly Finished Photos

which we furnish free on receipt of order will assist you in disposing of all stock ordered of us.

You Will Save Money

by sending for an estimate before buying.

Our Travelling Men

are equipped with the latest and best selling designs known to the trade.

CHARLES S. BALDWIN & BRO.

ZANESVILLE, OHIO, BARRE, VT.



THE WINSLOW
BROS. COMPANY
CHICAGO.

ORNAMENTAL IRON
AND BRONZE.

Bronze Statuary Department

UNDER SUPERVISION OF
MR. JULIUS BERCHEM.....

MONUMENTAL BRONZE STATUARY,
BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.

Blue-White Westerly Granite.

GOURLAY GRANITE WORKS.

=====WILL FURNISH=====

Rough stock for Monuments, Mausoleums, Vaults, Headstones, Markers, Posts, and Coping from the famous "Klondike" Quarry, which produces the finest Blue-White stock. Rough stock a specialty.

FOR PRICE APPLY TO

Gourlay Granite Works,
WESTERLY, R. I.

At the QUARRIES

BARRE, VT.

(From Our Regular Correspondent.)

December was an unfavorable month for quarrying, and comparatively little was done, with a consequent shortage of stock. This, with the usual falling off of orders at this season caused a slight dullness at the sheds, and after the middle of the month quite a good many men were laid off until after the holidays. There is every reason to believe that the new year will find all at work again with plenty of orders to last through the season.

Two important subjects have been commenced, which if successfully carried out will have an important and beneficial effect upon the granite business here.

The Manufacturers' Association has recently completed a plan looking to the elimination of the worst evils of unmitigated competition and price cutting. A standard bill of prices for cutting is being prepared for the acceptance of all members. Estimates on all work must be submitted to the proper officers of the association for examination and approval, and no cut under 2 per cent. of the bill of prices will be allowed. President Mackay, and other members of the association express themselves as heartily in favor of this scheme, and it will probably be adopted when thoroughly worked out. It will undoubtedly be a good thing just so long as the members carefully live up to the agreement. The difficulty that always besets such conventions is that its most ardent advocates and supporters are all too likely to yield to the temptation to break it, when personal advantage appears to make it advisable. The Quarry Owners' Association has been very successful in enforcing its agreements, and it is calculated that its members are nearly or quite \$150,000 better off on their year's output than they would otherwise have been. This success has stimulated the desire of the members of the Manufacturers' Association to share a similar prosperity, which they ought to be able to do.

Barre and Montpelier are now thoroughly awake to the need of more and better cart road facilities for both places, and have begun to work together with the definite and determined purpose to bring this about in the near future. Public meetings have been held and large and influential committees appointed in both places to take the matter in charge and carry it on vigorously. The reported possibility of the purchase of the Montpelier & Wells River R.R. by the Central Vermont has shown the need of action. No definite plans have as yet been decided upon, but an earnest effort will be made to encourage the Central Vermont to finish its lines through Williamstown to South Royalton, and make that its main line. It is also hoped that the Delaware & Hudson R. R. may be induced to extend its tracks from Rutland through Barre and Montpelier to some connecting point in the

northern part of the state or Canada, controlling the Montpelier & Wells River line. This would give a direct outlet to New York State, and points East and South, and make it possible to ship building granite and paving stone, which the high freight rates now practically forbid. Immense quantities of the finest material for these are now piled up at the quarries on the dumps, which are daily becoming larger, and greater obstacles to the profitable development of the properties.

William Imlah, of Imlah & Co., died recently at his former home in Scotland, whither he went several months ago for rest and recuperation.

The cutting plant of the Ryegate Granite Works Co., was burned early in December, making nearly a total loss. Other quarters were immediately secured, and work continued. The loss has been adjusted, and it is understood that the plant will soon be rebuilt.

It was erroneously stated last month that Canton Bros. had leased their quarry to Alex. Marr & Sons. Canton Bros. own 30 acres of quarry land, and have leased three to Alex. Marr & Co., who have rented plant and are getting out stock. Canton Bros. carry on three quarries as usual.

The Manufacturers' Association held its annual meeting Saturday evening, December 21, with a large attendance. President James Mackay, who has served several terms, declined re-election, and W. S. Alexander of Bugbee & Alexander was elected to the office. The officers elected are: First Vice President, John A. Cross of Northfield; Second Vice President, H. J. M. Jones of Barre; Secretary, James Campbell; Treasurer, John E. Smith; Executive Committee, the five officers and J. M. Boutwell, A. J. Young, Alex. Milne and James Mackay.

McIver & Matheson have bought eight and one-half acres of quarry land on the Websterville side of the hill. The purchase price is said to have been \$9,000.

QUINCY, MASS.

(From Our Regular Correspondent.)

With but the semblance of a lull, the end of the year finds business in this city far in advance of that at any corresponding time in the history of the trade. The year passed has been exceptional in more ways than one. Probably never before, in such a short space of time, have so many large monuments and of such historic significance been shipped from here. The Jefferson monument at Louisville, Ky., the Valley Forge memorial, and the Massachusetts monument at Andersonville, Ga., are pre-eminently of home product and design, wherein the local manufacturers may take just and special pride. In the *resumé* of the year, these three jobs stand forth prominently amidst a number of memorials of less significance which cannot be individualized, but which, for general size and excellence of workmanship merit their share of praise. At the threshold of a new year, business shows a small decrease. This was to be expected, however, after months of activity, the rigors of an old-fashioned New England winter hold sway. Stock is not so easily quarried and the manufacturer is biding

(Continued on page 60.)

WELLS, LAMSON & CO,
BARRE, VT.

BARRE GRANITE QUARRIES.

OUR SPECIALTIES:

MAUSOLEUMS.

MONUMENTS.

GRANITE STATUARY



ROUGH GRANITE.

Square and Polished Blocks.

Large Boulder Monuments.

Any Size to the Limits of Transportation Furnished Promptly.

ALWAYS WRITE US FOR PRICES.

John Thompson & Sons,

Manufacturers and Wholesale Dealers
in All Kinds of

NEW ENGLAND GRANITE.

Monuments, Tombs, Statuary, Buildings, Etc.

The Finest Grades of Quincy Granite a Specialty.

QUARRY STREET,

QUINCY, MASS.

AT THE QUARRIES—(Continued.)

his time, until spring work can be started to better advantage. If prospects are to be relied upon, trade in 1902 bids fair to equal, if not eclipse, that of the year just passed. The manufacturer has an affair to conjure with the which was not in view a year ago. There is a rumor current that trouble with organized labor is sure to occur in the spring. This time the quarrymen have banded together, and are to make a stand for an eight-hour day without a decrease in wages. Their organization was effected Dec. 13th, and whether or not their demand will be acceded to, remains to be seen. Should their stand be a determined one, with the intervention of much time between a settlement, trade is bound to suffer and it would be to the advantage of the outside dealer to place his spring orders with alacrity. There is hope that the difference will be amicably settled prior to the "Ides of March" and that this speck on the city's business horizon, will not assume more formidable proportions.

Word was received here, Thursday, Dec. 12th, of the death of Ex-President Marnock, of the local manufacturers' association, which occurred in Bridgewater, Mass., where he was undergoing a treatment for consumption.

Deceased was well and favorably known to the trade and his demise will be keenly felt, especially by his fellow manufacturers. Possessed of a rare business acumen, which was combined with a genial disposition, Mr. Marnock's loss to the trade is well nigh irreparable.

Alexander Marnock was born in Scotland in 1853. He came to this country when but 19 years of age and applied himself to the trade of stone cutting. He worked about different stone yards in Dix Island, Me., and in Missouri, until 1875 when he settled in Quincy, working for the firm of John Thompson & Son.

He was engaged as a journeyman until 1886, when he entered into business with Alexander Falconer at South Quincy. In January, 1892, the firm dissolved, Mr. Marnock retaining the business and plant, and Mr. Falconer joining his interest with J. S. Swingle, under the firm name of Swingle & Falconer.

While working at his trade he took a deep interest in labor matters and was for two years president of the National committee of the Stone Cutters' Union and for three years was president of the Quincy branch of the National Granite Cutters' Union. Since his connection with the Quincy Granite Manufacturers' Association, Mr. Marnock had always taken special interest in the welfare of the organization. He served on the executive committee for several years and has been the vice president of the association for two years.

In 1898 he was elected president of the Granite Manufacturers' Association and served as such until last August when failing health obliged him to surrender the duties of that office.

He was a member of the Masonic fraternity and the Order of Scottish Clans. He leaves a widow, two sons and a daughter.

McDonnell & Sons have terminated a successful year

at their improved plant and are booking an influx of spring orders. The firm has ready for shipment a large soldiers' monument built in medium home stock and destined to mark the spot where a New York regiment was engaged on a Southern battle field. The monument rests on a 10 foot square bottom base and is 25 feet in height.

Maguire & O'Heron's new and enlarged plant at East Milton, has been taxed to its utmost during the year passed. This firm has entered upon an era of prosperity, which is equalled only by the excellence of the workmanship displayed in monuments manufactured by them.

Frederick L. Jones, of McGillvray & Jones, was a candidate for mayoralty honors in the recent municipal election. The contest was a four-cornered one and Mr. Jones' popularity was evidenced by the flattering vote he received. The result showed him to be a close second to the successful candidate, Mr. Jones holding 1,386 votes to Mayor-Elect Bryant's 1,547.

The next city council will be composed of men well known to the granite trade. James Elcock of James Elcock & Sons, Thomas Smith and Patrick F. Hughes were handsomely re-elected. Peter T. Fallon, of John Fallon & Sons, goes back to make municipal laws, after several years' absence from the council. Alfred O. Diack, of the firm of Birnie & Diack, will make his debut as a member of the legislative body of the city government, having received the gratifying endorsement of his fellow citizens in Ward 3.

Among the dealers to visit the trade, during the month of December were: J. W. Reed, Keene, N. H., F. D. Fuller, Nashua, N. H., Harry Bliss, Buffalo, N. Y., L. L. Manning of L. L. Manning & Son, Plainfield, N. J., John Merkle of J. Merkle & Son, Peoria, Ill., and H. E. Hendrick, representing the Hawaiian Iron Fence & Monumental Co., Honolulu, H. I.

The exact total of granite shipments in pounds for the year 1901 cannot be given at this writing. Below is the table of shipments by months, with an approximated amount figured for December:

	Quincy Adams.	West Quincy.	Quincy Quarries Co via Quarry R.R.
January.....	\$1,714,760	\$3,138,705	\$2,884,350
February.....	2,973,440	1,958,452	5,064,240
March.....	4,166,975	3,709,140	5,211,100
April.....	7,016,245	5,915,755	4,222,480
May.....	8,122,675	12,300,590	9,334,840
June.....	4,073,880	10,353,405	7,155,430
July.....	4,623,555	10,137,820	8,917,950
August.....	5,460,810	11,412,670	8,331,690
September.....	5,899,725	7,876,620	4,858,420
October.....	6,447,310	10,828,180	6,517,740
November.....	6,127,365	4,297,560	5,527,380
December*.....	5,000,000	5,500,000	6,000,000
Total.....	\$61,626,740	\$87,428,897	\$74,085,620

*Approximated.

(Continued on page 62.)

THE SPRING OF 1902

Will undoubtedly be a
great season for

MONUMENTAL WORK.

Orders already placed with the manufacturers indicate this. Dealers should have a good stock on hand by April 1st. Those who do will catch the business.

ANOTHER POINTER.

You can make more money by dealing direct with the manufacturer.

STILL ANOTHER POINTER.

There is no granite company in the country better equipped to help you make money and fill your orders promptly, from the best granite quarried in New England, than the Milford Granite Co., Milford, N. H. No job too small, no job too large.

In addition to monumental and statuary work, we have quarries and cutting plant magnificently equipped for handling mausoleums and large buildings of every description promptly and satisfactorily.

Send your plans and specifications, and let us figure with you and show you the handsomest stone quarried.

MILFORD GRANITE CO.,
MILFORD, N. H.

NEW YORK OFFICE:
No. 150 Nassau Street.

PHILADELPHIA OFFICE:
No. 1215 Filbert Street.

AT THE QUARRIES—(Continued.)**NEW LONDON, CONN.**

It is rumored that a number of new quarries will be opened in this vicinity in the near future. There are several promising outcroppings on what is known as the Westerly Ledge, and there are, no doubt, many places where quarries may be opened to advantage. The stone is practically the same as the hard Westerly.

A quarry of pink granite is being run near here that promises well. It is a fine grained, handsome stone.

Frank M. Ladd, who has C. F. Stoll cutting sheds, is doing a large business. His sheds are fitted up with pneumatic tools and surfacers and are thoroughly equipped for handling Westerly granite economically.

Business in this section was never better and it is evident that New London will yet become a great granite center.

John Salter & Sons, of Groton, have recently completed some very fine jobs—one at York, Pa., and another under way at Baltimore, Md.

A large church is being erected of boulders at Groton, gathered from the historic grounds in this vicinity. The granite trimmings are being cut by Frank M. Ladd of New London.

CHESTER, MASS.

The Hudson and Chester Granite Company is getting out some fine rough stock, but is unable to keep pace with the demand. Mr. W. S. Legate, the superintendent, is perfecting plans for increasing the output as soon as spring opens.

The Flint Granite Company has found some good stone on its property in this vicinity and is making arrangements to develop its quarries in the early spring.

The floods in this vicinity have delayed work at the quarries considerably, but no serious washouts occurred and work is being rushed as rapidly as possible.

The Hudson and Chester Granite Company keeps a gang of cutters at work, but is so rushed with orders for rough stock that it can do comparatively little cutting. Its yards and sheds are well equipped for both handling and cutting stone.

ESTIMATING GRANITE WORK.

A prominent manufacturer at Barre, Vt., recently called the writer's attention to the loose methods in figuring work. He said: "One of the curses of the granite business is the way some men figure work. I have known the price to vary all the way from \$450 to \$625 for an ordinary job. The lowest man may have made a mistake, while the highest man was probably full of work and did not want the job, but had not the courage to say so. It is safe to say that any reputable wholesaler can get work done for about the cost of the rough stock plus the cost of labor and perhaps a trifling addition for blacksmith, etc.

Many men will take a job if they are likely to come out whole on it solely to keep their plant running and the men busy. It seems to take the average cutter a long time to get it through his head that the modern straight shed, pneumatic tools, etc., cost a good deal of

(Continued on page 76.)

THE BEST VALUE FOR YOUR MONEY

IN THESE OR OTHER DESIGNS IN

**Foreign or Domestic Granite,
True Blue and Florentine Marbles.**

Write for sizes and prices. Strictly wholesale.



L. M. ELWELL,

47 Winter and 129 Tremont Sts., - - - Boston Mass.



YARDS AND WORKS OF THE GRANITE RAILWAY CO., QUINCY, MASS.

1826.

Incorporated Capital, \$250,000.
Seventy-Six Years in Business.

1902.

GRANITE RAILWAY COMPANY

J. ALBERT SIMPSON, Treas.

L. S. ANDERSON, Manager.

QUARRIES AND MANU- QUINCY, MASS.
FACTURING PLANTS IN CONCORD, N. H.

..THE CELEBRATED..**Quincy Railway Granite**

Has been in the market for 76 years, and there is no better testimonial as to the quality of the stock than the many thousand monuments and buildings that have been constructed of this stone throughout the country. This particular dark blue Quincy stock takes its name of "Quincy Railway Granite," from the first railway in America which was built by this company to facilitate the transportation of stock to tide water in Boston harbor. The plant at Quincy is the most complete in that city and comprises, besides the finely developed quarries, extensive cutting sheds, machine shop and polishing mills. The quarries have reached that depth where the stone is exceptionally free from sap and of a fineness that makes it especially desirable for monumental work. Particular attention has always been paid to monumental work and the unequalled facilities make early shipments possible. Some of the monuments cut by this company are the Bunker Hill Monument, President Arthur Monument, Pedestal of Henry Ward Beecher Monument, Brooklyn, N. Y.; Utica Soldiers Monument, Gen. Grant Pedestal, Brooklyn, N. Y.

Some of the well-known buildings—Horticultural Hall, Boston; City Hall, Boston; Boston Custom House, Old Tremont House, Boston; New York Custom House, Astor House, Equitable Life Assurance Building, New York; Hartford, Conn.; Fire Ins. Co., Charter Oak Insurance Co., Hartford, Conn.; Custom House, New Orleans; Rialto Building, Boston; Monroe County Court House, Rochester, N. Y.

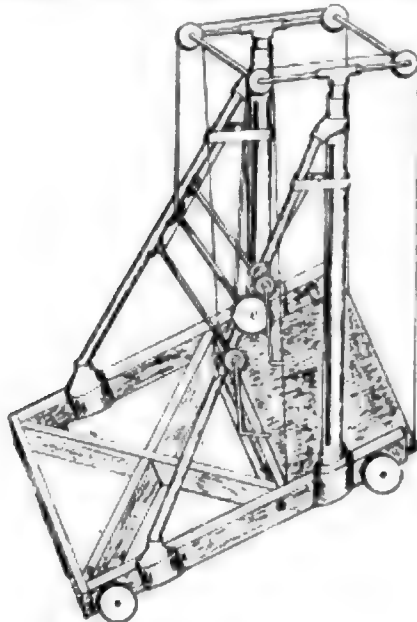
Order Granite Railway Granite that has given the best of satisfaction for seventy-six years.

Granite Railway Company, Office, WEST QUINCY, MASS.

AN ELEVATOR DEVICE FOR ERECTING MONUMENTS

The accompanying sketch represents a device for facilitating the erection of the ordinary class of monuments, devised by Mr. H. C. Hicks, of Hastings, Minn.

In principle it is in the nature of an elevator and comprises suggestive features for other uses in connection with the handling of stone in the shop, which will be apparent to the practical monument



THE DEVICE LOWERED.

man. The two views represent the elevator raised and lowered. The columns are made of gas-pipe telescoped for the purpose of extension, and this mode of construction combines lightness with strength and durability. The cross pieces at the top which carry the pulleys over which pass the ele-

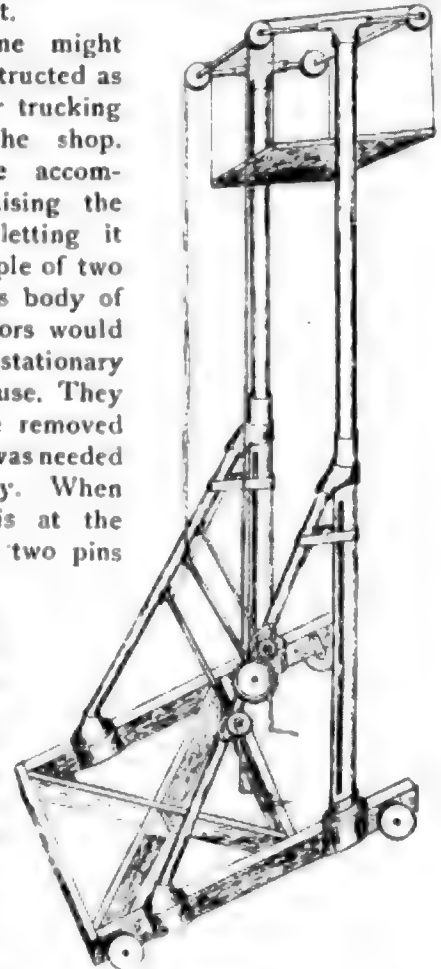
vator ropes, should be braced to ensure stiffness and stability. The lower gearing and shaft raises and lowers the inside column extension pipe, by means of the attachment to that pipe working in the slot cut in the outer pipe. The upper gearing and shaft operate the platform when the columns are clamped or secured to the required height, which is effected by means of a dog, or which may be done by any effective and safe method. Of course the platform can be raised and secured at any desired height within the limits of the extension device.

The sketch suggests, as the designer says, that it can be made in various sizes and to suit the builder's requirements, and the details could also be varied for the same reason. It also carries with it the possibility of lightness of construction and portability, as it can readily be loaded upon a wagon and transported to the site of the monument to be erected. For heavy work it would perhaps be advisable to attach guys to obviate all chance of accident.

The elevator idea is excellent for the purpose of setting caps, urns, and the upper sections of ordinary monuments, as it does away with the necessity of constructing a lofty device for the

purpose, with the extra weights of material and cumbersome details necessary to provide for the increased height.

The machine might also be so constructed as to be of use for trucking purposes in the shop. This could be accomplished by raising the platform and letting it down on a couple of two by fours, across body of machine. Castors would be preferable to stationary wheels for shop use. They could easily be removed if the machine was needed in the cemetery. When the platform is at the required height two pins or plugs are inserted in holes prepared for them at each side of the platform and at each side of the inner gas pipes, holding the platform firmly.



RAISED.

Cement for Stone Joints.

A French authority says a good cement to form the joints of stones around water reservoirs consists of Litharge in fine powder, 5 parts; mimium, 4 parts; sifted road dust, 100 parts; oil, 9 to 10 parts. This cement is said to acquire a light stone color in a few months. — *Water and Gas Review*.

WORK ALL WINTER.

Some of those firms which have experienced difficulty in getting all of the granite cutters they needed in the summer months will do well to keep their plants in operation all winter and clean up their orders in the readiness for 1902, which is expected to even surpass 1901 as a busy year in the granite trade. The shutting-down act will not be encouraging after such a call for men in the summer season; and, besides, workmen will get tired rushing out work in summer and thereby bringing on a dull winter season. It will also be very bad policy to allow a scarcity to delay cutting during the cool months of the year, so if any of these possibilities are hazarded employers are forewarned that their hurry-up calls for men next year may receive a cool reception. — *Granite Cutters' Journal*.

BURNS & CO.

...Manufacturers and Wholesale Dealers In...

Quincy Monumental and Cemetery Work.

WE AIM TO GIVE GENERAL SATISFACTION.

We Warrant all Our Work. Send for Estimates in our Dark, Extra Dark and Medium Quincy Granite. We Quote the Lowest Cash Prices consistent with first-class material and workmanship.

OFFICE AND WORKS, PAYNE ST., SOUTH QUINCY, MASS.

ROCHESTER LEAD WORKS

ROCHESTER, N. Y.

Wedge  Lead

Above shows actual size. Order by number.

Our Wedge Lead is made of Pure, Soft Lead, wound on round, well-made spools, securely slatted for shipping.

PRICES: 100 lb. Reels, 6 cents per lb. 50 lb. Reels. 6 1/2 cents per lb.

FOR SMALL ORDERS, CASH WITH ORDER REQUIRED.

Special prices for larger quantities. We also furnish, at same price, Sheet Lead, any thickness, for Corner Pieces. CORRESPONDENCE SOLICITED.

**A
Granite
That
Pays**

All Retail Dealers

Know that it pays to handle good granite, but they do not *all* know what a good granite

Millstone Granite is.

Some of its good qualities are: A pleasing color; fine, close grain and even texture; marked contrast between polished and dressed surfaces.

Rough Stock at Wholesale, Finished Monumental Work.

HENRY CARDINER, Sole Proprietor

Postoffice, Millstone, Conn. Telegraph, New London, Conn.

QUARRIES OPENED 1830.

Notes of Retail Dealers—(Continued.)

MASSACHUSETTS

The new receiving tomb for the cemetery at Hull was designed and built by John R. Richards, of Quincy. It is built in a side-hill of rock-faced granite, ornamented with a richly carved cornice and cap-stone, surmounted by a polished urn. The interior has a domed roof, and is finished in white glazed brick.

Ellis & Clark, Plymouth, are erecting a marble receiving tomb, with ground dimensions of 18 by 25 feet, from marble furnished by the Vermont Marble Co.

J. J. Horgan, Cambridge, recently erected on the Burridge lot in Forest Hill's cemetery, Boston, a monument of pink Milford, Mass., granite, with plinth and die of pink Tennessee marble. The die weighs 8½ tons, and bears a bronze relief showing a female figure lifting the veil, passing upward to a future life. The model for the bronze work was executed by Hugh Cairns, of Boston.

MICHIGAN.

H. B. Deboer has bought out W. J. Kemp at South Haven. Torrey Bros., Cadillac, write: "We have had an excellent trade the past season, and the prospects are extra good for next spring."

Cartwright Bros., 767 Jefferson avenue, Detroit, recently erected at Ann Arbor a memorial of Milford granite in memory of Prof. Prieze, of the University of Michigan. The monument is a tribute from the Alumni of the university, and is an exact copy of the tomb of Scipio Barbatus in the Vatican Museum. Prof. Prieze was in the Latin department, and a memorial suggestive of the great Roman leader is peculiarly appropriate.

MISSOURI.

Mount & Baker will succeed M. W. Mount, at Memphis. Robert Ferguson, formerly with the Goodwin Marble Works, is making preparations to open a shop at Rich Hill. The Rosebrough Monument Co., St. Louis, have been putting up some fine work this fall and early winter.

NEBRASKA.

H. W. Balsey, formerly with the Ritner Marble Works, of North Platte, will open a shop at Cheyenne, Wyoming.

NEW HAMPSHIRE.

C. P. Moon, formerly of Moon & Davis, Portsmouth, is superintendent of the granite department at the U. S. Navy Yard, in that city.

NEW JERSEY.

Webster Krips, the pioneer marble dealer of Camden, died during December. Mr. Krips was 68 years old and had been in business in Camden for 40 years.

Frederick Thompson, of Camden, has purchased a new polishing machine, and otherwise improved his plant.

NEW YORK.

J. H. Shipway & Bro., New York City, have the contract for the erection of the Hyde memorial mausoleum to be erected in Hillside cemetery, Plainfield, N. J. It will be of granite and marble, and will cost \$22,500.

Rainey & Bailey, Elmira, who have branches at Millerton, and Canton, Pa., have dissolved partnership. Mr. Bailey will move to Canton, Pa., and take charge of the business there, and Rainey & Co. will continue at Elmira and Millerton.

Jenny & Nelbach, Utica, have secured the contract for the soldiers' monument to be erected by the Joseph Warren Post, G. A. R. It will consist of a pedestal and statue of soldier at parade rest, cut from Barre granite, and will cost \$2,000.

The firm of J. S. Kelso & Co., Waterford, composed of J. S. Kelso and Arthur W. Jones, was dissolved by mutual consent, November 1, 1901. The business will be continued by J. S. Kelso, who will settle all accounts to that date.

Bierach & Laudon, 119 E. 129th street, New York City, architectural marble workers, made an assignment to Ferdinand Bidman, Jr. The liabilities are \$2,500, and assets, \$1,400.

Trott Bros., 512 Mount Hope ave., Rochester, have taken Mr. Fred A. Heister into the firm, which will hereafter be Trott Bros. & Heister.

Jno. C. Keenan & Sons, Auburn, report a large and growing trade in their locality. Among their recent contracts were two dark Barre sarcophagus monuments for out of town customers.

OHIO.

Mrs. Ella Tigue, who has conducted the business of the Swanton Marble and Granite Works, since the death of her husband, P. G. Tigue, last February, reports that business has been very good, with splendid prospects for the future.

Platz & Eby, of Piqua, write that they have had the best year's business in their history, and still have a number of good contracts on hand. They have done business in several Ohio towns, and have no agents on the road. They are at present prosecuting E. S. Crowe, a bogus agent, who forged their name to a check, and is wanted in Pennsylvania for similar practises.

Weaver & Stuart succeed Weaver Bros., at Montpelier, and J. F. Weaver will retire from the firm.

OKLAHOMA.

G. W. Dawson, formerly with the Winfield Marble Works, will open a shop for general monumental work in Guthrie.

OREGON.

J. C. Whipp, of Jacksonville, and F. L. Wright, of Grant's Pass, are to start in business at Ashland. They have secured a site, and will begin the erection of a building at once.

PENNSYLVANIA.

Aaron James, a West Scranton dealer, died during the past month.

Elwin Berad will close out his business at Sumnertown.

Richard Owen, of Carlisle, has the contract for a mausoleum to cost \$5,000, for Dr. J. A. Dale, of York.

Herman Strecker, for many years engaged in the marble business at Reading, died last month. Mr. Strecker was renowned in this country and Europe as a collector of butterflies. His collection is said to have had few if any equals.

Henry Graff, a dealer at Wayne, died during December from an infection of the lungs, aged sixty-five. He started in business at Wayne thirty years ago.

P. Reinhalter, Philadelphia, has constructed a new type of rock-drill for the Aztec Gold and Copper Mining Co., in Colorado, and has been engaged upon other inventions, which have been undergoing tests at Quincy, Mass.

Geo. S. Walker, West Newton, reports over \$8,000 worth of orders on hand for April and May delivery. He employs no agents and secures the work without leaving his office. He credits THE MONUMENTAL NEWS Photogravure Edition with a share in his success during the past few years, and says that two of his present contracts were sold from these designs.

Charles Hallenbury has begun the erection of a granite mausoleum in the Monongahela Cemetery at Braddock, for Charles M. Schwab, president of the United States Steel Corporation. The ground dimension will be 15 by 24 feet, height 16 feet, and cost, \$15,000.

RHODE ISLAND.

The John Burns Granite Co., Providence, has furnished the design and secured the contract for the monument to be erected by the Woman's Relief Corps, the G. A. R. and the Sons of Veterans in Pawtucket, in memory of the unknown dead of the Civil War. The design shows the figure of a soldier at parade rest, cut from Westerly granite, mounted on a boulder base of Quincy granite eight feet high, bearing bronze panels for inscriptions. It is to be placed in Mineral Spring cemetery, and will be unveiled Memorial Day, 1902.

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PROPOSED MONUMENTS.—(Continued.)

By Representative Gardner. A bill appropriating the sum of \$30,000 to be expended by the Princeton Battle Monument Association for the purpose of erecting a monument on or near the battlefield of Princeton, N. J. The association must raise a like sum before the money can be expended.

By Representative Capron. A bill appropriating \$50,000 for the erection of a pedestal for the statue of the late Major-General A. E. Burnside in the city of Washington, D. C.

By Representative Pearre. A bill to provide for the erection in Washington, D. C., of a monument to the heroes of the War of the American Revolution, and appropriating \$200,000 for this purpose.

By Representative Pearre. A bill to provide for the erection of a monument on the site of old Fort Cumberland, at Cumberland, Md., to commemorate its history, and appropriating \$10,000 for the work.

By Representative Wachter. A bill to aid the Maryland Society of the Sons of the American Revolution in erecting in Baltimore, Md., a suitable monument to the memory of General William Smallwood and the soldiers of the Maryland Line in the Revolutionary War. The bill carries with it an appropriation of \$10,000 to this end.

By Representative Bull. A bill appropriating \$50,000 for the erection of a monumental statue in Washington, D. C., to the late James G. Blaine.

By Representative Bull. A bill appropriating \$25,000 for the erection upon the grounds of the Naval Academy at Annapolis, Md., of a bronze statue of the late George Bancroft, formerly Secretary of the Navy and founder of the academy.

Middletown, N. Y. The supervisors of this county have passed a resolution instructing a committee to arrange for the erection of headstones to the soldiers of the War of 1812 who are buried in the Middletown cemetery.

Butte, Mont. The Marcus Daly Memorial Association has been formed for the purpose of erecting a bronze statue of the late Marcus Daly, the millionaire mine owner. A committee has been appointed to select a design.

Denver, Col. The Caledonian Society of this city is to erect a monument in the city park to Robert Burns to cost not less than \$5,000.

Madison, Wis. The state commission appointed to arrange for the erection of monuments to the three Wisconsin regiments on the battlefield of Shiloh, has decided to put all the money into one fund, and erect one monument as nearly central to the positions occupied by the three regiments as possible. The commission has just returned from Shiloh, where they selected the site for the monument, and as soon as the government park commissioners give their approval to the location, designs and bids will be asked for. The amount appropriated for the memorial is \$1,000, and one of the conditions stipulated by the Legislature was that it should be constructed of Wisconsin granite. Owing to the higher price of this stone, the commission is considering the advisability of asking that this condition be removed.

Bridgeton, N. J. The Woman's Relief Corps and the G. A. R. are at the head of a movement to erect a soldiers' monument here. The plan is to raise \$5,000 by means of branches in every town and village in the county.

Manchester, N. H. The Order of Red Men of this city are raising a fund for the erection of a monument on their plot in Pine Grove cemetery. The design proposed comprises a huge boulder surmounted by a life-size bronze figure of an Indian. Committees have been appointed from the three local tribes to further the work.

Brantford, Ont. A monument is to be erected here in memory of soldiers who fell in South Africa. It is to cost \$5,000, \$3,000 of which has already been raised. The city council appropriated \$1,500.

Atlanta, Ga. The Georgia legislature has adopted a resolution authorizing the governor to appoint a commission to arrange for the erection in the capitol at Washington statues of two of Georgia's notable men. The expense is to be met by popular contribution. Twenty years ago the legislature provided that statues of James Oglethorpe, the founder of the colony of Georgia and Dr. Crawford W. Long, the discoverer of anaesthesia, should be placed in a statue hall at the national capitol, but no further action was taken then.

Culpepper, Va. Designs for the monument to the 28th New York Volunteers to be erected in the National Cemetery here, have been prepared by Architects Hales & Ballinger, of Philadelphia, and estimates for the construction of the memorial are to be invited at once. It is to be a granite shaft 21 feet high and 8 feet square at the base, tapering to six feet where the pyramidal top joins the shaft. Near the top of the shaft will be a bas-relief medallion of the arms of the state of New York, beneath which is to be carved an inscription giving the record of the regiment. It is to cost about \$5,000.

Hartford, Conn. The committee in charge of the erection of a memorial in this city to the First Connecticut Heavy Artillery has advertised for bids for the construction of the monument. The design must include a place for a 13-inch sea coast mortar, which is now in possession of the committee, and the total cost is not to exceed \$5,500. Specifications should be addressed to Hon. Alexander Harbison, Hartford, Conn.

Santa Fe, New Mexico. The Society of New Mexican Pioneers is to erect in the plaza in this city two monuments, one to the memory of Don Juan de Onate, the conqueror and colonizer, and the other is to Don Diego de Vargas, the re-conqueror and colonizer of New Mexico. Ex-Gov. L. B. Prince is secretary of the society.

Wilna, N. Y. The Board of County Supervisors has voted to contribute \$3,500 to a soldiers' monument to be erected here. One thousand dollars more is to be raised by popular contributions.

Concord, N. H. The Alumni of St. Paul's school are to erect a statue in memory of their associates who served in the Spanish war. The memorial is to consist of a bronze figure of a lieutenant of volunteers, mounted on a stone pedestal, and will cost about \$10,000.

A memorial fund is being raised for the erection of a monument to the late Father Barry, of St. John's church. The work planned is to cost \$5,000, and the fund now amounts to about \$4,000.

San Francisco, Cal. The park board of this city has received a check for \$2,134 from the McCauley estate for the erection of a memorial gateway at the Haight street entrance to the park. The board considers the sum insufficient for the erection of a suitable gateway, and are considering some other form of memorial.

Philadelphia, Pa. The executive committee in charge of the erection of a memorial to President McKinley in Fairmount Park, report that the fund now amounts to \$25,000, one-half of the sum planned. No arrangements have been made concerning location and design. John H. Converse is chairman of the committee. The Board of Trade, and other prominent bodies and city officials, are at the head of the movement, and there is every prospect of success.

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Among the Sculptors

AUGUSTUS ST. GAUDENS has been selected to model the statue of Parnell, to be erected in Dublin, Ireland.

HAMILTON MACCARTHY'S statue of a Canadian infantry soldier for the monument to Nova Scotia soldiers, to be erected in Ottawa, has just been cast by the Henry-Bonnard Bronze Co., New York. The soldier is represented in the act of signaling "Enemy in Sight." He stands with his left foot forward and raises his rifle in a horizontal position over his head.

PHILIP MARTINY is at work on a statue of Vice-President Hobart, which is to be cast in bronze and erected in front of the city hall in that city. The statue represents Mr. Hobart as presiding officer of the Senate, and has met with the approval of the American Art Society.

SIGVALD ASBJORNSEN, Chicago, has completed the model for the surmounting figure for the Confederate monument, to be erected at Charlotte, N. C. The figure is to be of bronze, seven feet high, and represents a soldier in fatigue uniform with rifle at the position of charge.

MRS. THEO. A. RUGGLES-KITSON has completed the model for "The Volunteer of '61," a statue to be erected at Newburyport, Mass. It is a departure from the conventional soldier and represents a young man in rough field uniform, with musket over his shoulder, marching to war. It is a spirited and vigorous piece of modeling, and is to stand on the common at Newburyport.

THE Board of Management of the St. Louis Exposition of 1903 has decided to offer a prize of \$2,500 for the best design for a characteristic symbol of the Louisiana Purchase Exposition. The Congressional Library Board is to select eight well-known sculptors to compete for the prize, each one of whom is to receive \$250 for entering the competition. The contest is to be completed in six months, and the jury of awards is to be composed of two painters, two sculptors, two architects, and one historian.

JONATHAN SCOTT HARTLEY has just completed his statue of Rev. Thomas K. Beecher, to be erected at Elmira, N. Y. The statue represents Mr. Beecher in one of his characteristic attitudes, dressed in a long military coat. He holds a small testament in his left hand, which rests on his hip, and his right is extended in a familiar gesture. The pedestal is of polished Westerly granite, and is already in position. The monument will be about seventeen feet high, and will soon be unveiled.

TOY statuettes by well-known French sculptors will form an interesting feature of the Paris toy show, for which preparations are now being made. Fremiet, Gerome, Detaille, Rodin, and other sculptors, will contribute small grotesque figures, which are to be placed in a lottery, in which the winning numbers carry with them the right of ownership and reproduction. Fremiet has modeled a speaking likeness of a monkey gazing at a simmering sauce-pan. Gerome has contributed "La Marchande de Jouets," the figure of a woman holding a basket of toys, supported by a ribbon about her neck, and a toy representing a policeman grasped in her right hand.

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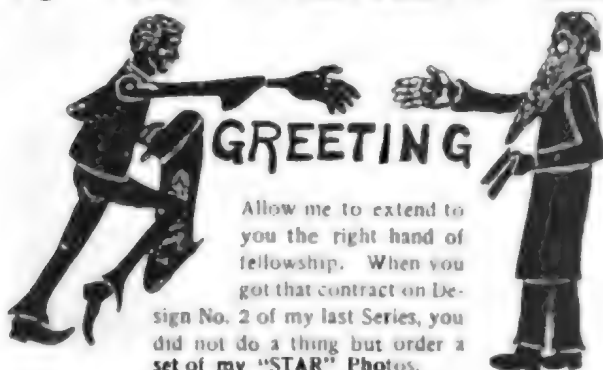
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AMONG OUR ADVERTISERS.

The Rochester Lead Works, Rochester, New York, reports very satisfactory sales of wedge lead and have received many good words from the trade for their wedge. Their annual announcement, with current prices, will be found on another page.

On December 16th the Columbian Marble Quarrying Co., Rutland, Vt., gave a banquet at the Berwick House to which every one identified with the company was invited, from stockholders to mill hands and office boys. After doing justice to the bountiful spread of good things, President Manning addressed the gathering and in the course of his remarks extended an invitation to those present to give expression to any suggestions they desired to offer that would promote the efficiency of the service or advance the interests of the company. He was followed by some of the stockholders and employes of the company, who greatly enjoyed the genuine hospitality of their genial host. The occasion was one long to be remembered and did much to deepen the interest of all of the employes in the welfare of the company.

Thomas Fox, granite quarry owner and manufacturer, of Concord, N. H., returned to his home just before the holidays after a two months' business trip in the West. He found the western dealers looking for a good spring business and was highly pleased with the results of his trip.

The Morris-Stonier Steam Granite Works, Toulon, Ill., make a specialty of Red Missouri Syenite for monumental purposes. They manufacture all of the New England granites and also handle Vermont, New York, Georgia and Italian marbles.

The Co-Operative Granite Co., manufacturers and wholesale dealers at Indianapolis, Ind., have just closed a very prosperous year. They manufacture all of the eastern granites but give special attention to "Red Missouri," for which there is a growing demand. Improvements are being made in their plant and it is expected that their working force will be doubled early in the New Year to accommodate a growing trade.

Business was very good in December with John Swenson, quarry owner, manufacturer of Concord granite and proprietor of the Concord, N. H., Polishing Works. He was giving employment to about sixty men. Mr. Swenson gives careful attention to building work, as well as mausoleums, and the general run of monuments, etc.

On and after January 1st, 1902, the "Klondike" quarry, Niantic, R. I., which has been operated for the past five years in connection with the Rhode Island Granite Works, will be controlled by the Gourlay Granite Works. This new firm will furnish rough stock only, making this a specialty for the monumental trade. Dealers who are not already familiar with the stock from this quarry will find it to their interest to investigate its merits. The new company has facilities for furnishing this stock for the largest monuments, mausoleums and vaults.

The Granite Exchange Company will issue their 1902 edition March 1st, next, which is devoted to the ratings of the granite, marble and monumental trade throughout the United States and Canada. The same will be fully revised and will contain the latest list and ratings of this line of business on the market and will be ready for delivery just in time for the spring trade. This publication, report and collection system is today used extensively in all sections by this line of trade, in need of a system of this kind. Mr. Edward P. Oxnard, the treasurer of this company, is an old agency man, having had about twenty-five years' experience in the business, and he is also

connected with another company, which has a large following with all lines of business. Their headquarters are located in the Adams building, 23 Court street, Boston, Mass.

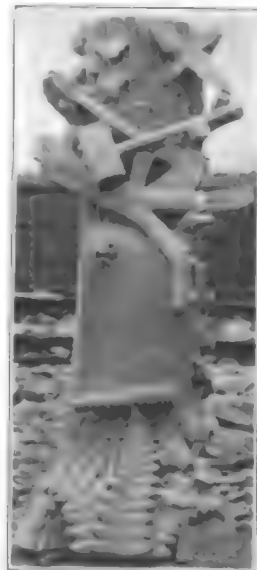
ZANESVILLE, OHIO.

Ever since the late Wm. C. Townsend began the wholesale granite and statuary business in this city, shortly after the civil war, Zanesville has been a factor of no small importance in the granite monument business. With but few exceptions, the principal wholesale dealers in the business today, east and west, were at one time or another employed in Zanesville, and a number of designers whose names are well-known in the trade, got their first start in this city. At the present time there are three wholesale granite companies doing business here, with resident representatives at quarrying centers in New England and across the water, and represented on the road by from ten to twelve salesmen nearly all of the time. Mr. Wm. M. Dodd, of the firm of Wm. C. Townsend & Co., says that retail dealers have been placing orders for more car load lots of granite during the winter than ever before, in anticipation of a busy spring. Charles S. Baldwin & Brother, enjoyed a trade considerably in advance of 1900. Among their recent shipments was a soldiers' monument of Barre granite for Toledo, O.

F. S. Cary & Co., who embarked in the wholesale business about a dozen years ago, soon found it expedient to have a resident manager at the Barre quarries. Mr. J. R. Cary, who has charge of this branch, has his office in Montpelier, and one of their four salesmen travels out of Montpelier through the Eastern states. They have had a very satisfactory year.

RUSTIC MONUMENTS IN BEDFORD STONE.

The accompanying illustrations of rustic monuments are examples of the class of work furnished to the trade by Correll & Burrell, of Odon, Indiana. They show careful attention to detail and a skillful use of the mallet and chisel in fashioning the symbols and decorative carving that stand out in bold relief, forming an attractive piece of monumental work in rustic style. This firm has been



having a constantly increasing business in various forms of statuary, rock-faced and rustic monuments in Bedford limestone, necessitating the addition of shop room, steam power and pneumatic tools during the past year. Situated on the Southern Indiana Railway, west of Bedford, they have easy access to the quarries, and can quote satisfactory prices on work of every description made from Bedford stone. They invite the attention of retail dealers to their series of photographic designs, including a variety of rustic work and statuary.

BOOKS AND TRADE LITERATURE.

A History of American Art, in two volumes, by Sadakichi Hartmann, is one of the evidences that American art is to have a distinct, if not a dominating place in history. It is a readable review of painting and sculpture down to the latest works that have appeared in expositions, exhibitions and public places, and seeks to give a definite place to all of the well-known names in our art world. The author divides American art into three periods, the first extending up to 1828, when the National Academy of Design held its first exhibition, the era of the so-called Old School from 1828 to the middle of the seventies, when the younger artists began to infuse European ideas of technique and gave birth to the New School, which still holds sway. The second volume begins with a consideration of American sculpture, the first great work of which was Hiram Powers' Greek Slave, in the Corcoran Art Gallery at Washington. H. K. Browne's equestrian statue of Washington in Union Square, New York, is classed as the best equestrian statue in America. Coming down to more modern times, St. Gaudens is, as a matter of course, considered as the dominant figure in sculpture by reason of his genius, conscientious devotion to his art, and that business acumen rendered necessary by the commercial atmosphere which surrounds the modern sculptor. Among the architectural sculptors are considered Martiny, Bitter, Niehaus, Massey Rhind, Bachmann, Conti, Gulielmo, and Joseph Sibbel, with Martiny at their head. The book is profusely illustrated and well written and forms a noteworthy addition to art literature. As concerns American sculpture, however, the work is far from complete, a number of capable sculptors being dismissed with a word, and others omitted entirely.

(A History of American Art. By Sadakichi Hartmann. Boston, L. C. Page & Co.; price, \$4.00.)

Thomas Jardine & Son, Rahway, N. J., issue a neat calendar for 1902, in colors, with a view of "The Old Homestead."

A beautifully illustrated calendar has been received from J. R. Carder & Co., Millington, Tenn.

With the compliments of Will B. Caton & Son, Winfield, Kas., comes a souvenir edition of the Winfield Courier, containing illustrations of both members of this enterprising firm and an interior view of their salesroom. Mr. Harry A. Caton, junior member of the firm, is the mayor of Winfield.

A lithograph of luscious fruit makes attractive the calendar for 1902 issued by John J. Casseday, Rochester, Minn.

Legner & Quaig, monument dealers, Cincinnati, Ohio, are sending out a New Year souvenir in the shape of an embossed vase of spring flowers, 10 x 16 inches, in lithograph.

We have received from the Craig Granite Company, Philadelphia, a photograph of the accepted design for the monument to be erected in that city to the late President McKinley by postoffice employees. The memorial will consist of a granite pedestal, surmounted by a bust in bronze of the late president.

The Brandon Italian Marble Company, Middlebury, Vt., issue a set of attractive design sheets, illustrating their various styles of marble monuments in groups of four, five, six and eight designs on a sheet, with separate lists of sizes and prices of each design. The sheets are sold at 5 cents each.

Marble and granite dealers who handle lawn furniture in connection with their monument business will be interested in the catalogue and price list of reservoir vases, settees, etc., issued by Walbridge & Co., Buffalo, N. Y. This company manufactures an extensive line of vases for cemeteries, etc.

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A practical text book for the art student in the study of the human form, to which is appended a description and analysis of the art of modeling, and a chapter on the laws of proportion as applied to the human figure by J. S. Hartley, Sculptor. Fully illustrated. 135 pages, including illustrated plates. Cloth bound. Price \$3.00.

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Instructions in the art of modeling in clay by A. L. Vago, with appendix for modeling in foliage, etc., for architectural decoration by Ben Pitman of Cincinnati School of Design. Illustrated. 12mo. Cloth bound. Price \$1.00.

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A guide to assist in arriving at the cost of Cutting, Polishing and Lettering Plain Surfaces, Mouldings, Drapery, Statues, Urns, etc., in the different kinds of granite, and prices of rough granite at the different granite centers, to which are added the bills of prices of workmen recently adopted at Quincy, Barre and Concord; also complete bills of prices for polishing, recently adopted at Quincy and Barre. Illustrated, \$1.00.

ANNOUNCEMENT.

THE MONUMENTAL NEWS

Begins its 14th Annual Volume

❖ JANUARY 1st, 1902. ❖

DURING THE COMING YEAR we shall not only endeavor to maintain in every particular the standard that has won for this journal the support of the foremost interests of the monumental industry, but shall aim to make such improvements as will still further commend the journal to favorable consideration.

TO THOSE WHO ARE NOT NOW SUBSCRIBERS we would say that the various departments of the journal which are devoted to different phases of monumental art, and the frequent discussion of subjects of timely importance, constitute a fund of valuable information that no progressive person identified with this branch of art and business life can well afford to be without.

THE ILLUSTRATIONS OF CEMETERY MEMORIALS, PUBLIC MONUMENTS, RECEIVING VAULTS, Etc., from the designs of leading monumental draughtsmen will be of permanent value.

THIS JOURNAL HAS UNDERTAKEN to co-operate with the trade in securing a MODIFICATION OF THE EXORBITANT FREIGHT RATES. A discussion of this subject will be made a prominent feature of the January Number and subsequent issues. Every Dealer is interested in this subject.

"WHAT TENDS MOST TO THE SUCCESS OF A RETAIL DEALER?" will be the subject of a number of interesting contributions to the January Number. Every one wants to know how to succeed.

RECENT INVENTIONS, of interest to the Marble, Granite and Stone industry, will form a new and interesting department, which will commence with the February Number.

ENTERTAINING AND INSTRUCTIVE ARTICLES ON MONUMENTAL AND SCULPTURAL ART, by special writers, will be a feature of every issue.

THE SUGGESTIVE ILLUSTRATIONS in the PHOTOGRAVURE EDITION will make it of peculiar value to architects, draughtsmen and dealers, who appreciate having a choice collection of monumental designs.

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AT THE QUARRIES—*(Continued from page 62)*

money and soon wear out. When he began business in a round shed there were but two or three items to consider in his figuring on the cost of a job. There was the rough stock, the labor, the blacksmith, and perhaps rent. These items covered everything. Now things have changed. Perhaps the same man has a straight shed, traveling derrick, air compressor, surfer, pneumatic tools, etc., costing say \$10,000. This adds a big interest charge with wear and tear of property and tools. A man to run the derrick, new ropes, insurance increased, losses due to increased business, etc., etc. He must now revise his method of figuring work. If only the rough stock and labor are considered he can do work much cheaper than before he adopted modern methods owing to saving of time, but it is an open question what this saving amounts to when all the items of cost are considered. Ten per cent. for incidentals is no longer a sufficient margin as can be easily demonstrated. A modern plant costs say \$10,000, interest and repairs will cost say \$1,500, man to run derrick \$600, insurance \$100, advertising \$500. These and many other items will add nearer 25 per cent. to the net cost of the work, if the manufacturer is to make a living profit. In the days of plenty we should lay up for a possible famine. We should start a sinking fund for repairs to our plant or to build a new one and we should keep our name before the public by judicious advertising. We must, therefore, allow a uniform and ample margin above the actual net cost of work when we begin on a job."

HARDWICK, VT.

In our notes from Hardwick last month, our correspondent criticized the railroad facilities of the town, saying that the "miserable railroad facilities" and the lack of capital, were the two retarding elements in the growth of Hardwick. He took pains to say that both of these drawbacks were being overcome, and that Hardwick will be assured of a brilliant future.

His statement has, nevertheless, called forth a protest from one of the officials of the Hardwick & Woodbury Railroad, which has been received through Mr. E. R. Fletcher. While it is quite likely that most of the buyers of Hardwick granite are quite familiar with the railroad facilities at that point, and that the local manufacturers would be delighted were they to have a competing line, yet we very gladly make the following extracts from the letter that our readers may know just how well the Hardwick manufacturers are being served by the Boston & Maine Railroad. The agent of the road in the letter referred to, states that every firm there has a sidetrack of its own with switching engines as often as business demands, and never less than once or twice a day; that the supply of cars has always been ample, except in cases of sudden calls for large numbers, and that the flat car equipment of the Boston & Maine road, from which his company gets its cars, is the most ample of any road doing business in the East; that tariffs of all fast freight lines operating out of New England are applicable from Hardwick, and that tariffs for special cases to exclusive points have been at least equal to those from other granite shipping points.

The official says further: "This company stands ready to extend the facilities to all comers by building new sidings on the most liberal terms extended by any railroad in New England and the Boston & Maine Railroad will place new sidings wherever required, upon the same basis that this company builds sidings at any point on its great system."

QUARRY NOTES.

The New England Granite Works, Hartford, Conn., and Westerly, R. I., have elected the following officers for the ensuing year: President, James G. Batterson, of New York City; vice-president and general manager, James Gourlay, of Westerly, R. I.; secretary and treasurer, William B. Austin, of Westerly, R. I.; assistant secretary, James M. Killeen, Concord. The main office of the company will be at Westerly, R. I., and the Hartford office, which will be removed from the corner of Main and Pleasant streets to the Batterson block, will be in charge of Henry Emmett.

The Vermont Marble Co., Proctor, Vt., has filed articles of incorporation with the Secretary of State of Illinois. The capital stock is \$3,000,000, and capital stock in Illinois is \$25,000.

Kreiss & Monday have opened up a new quarry in the main lead of the gray and pink varieties of Tennessee marble near Asbury, Tenn. It is at the forks of the rivers, near the other quarries, and they have already secured wharf facilities and installed machinery.

Large blocks of Mexican onyx will form part of the exhibit of Mexico at the St. Louis Exposition in 1903. The stone is to come from the Oaxaca and Coahuila quarries, and is expected to lead to a more active exploitation of the Mexican marble deposits as American syndicates are now making preparations to develop them.

San Francisco capitalists are reported to have secured a ten year lease on the property of the old Colton marble works, at Colton, Cal., and are equipping it with new machinery. The company is said to have a number of contracts for furnishing marble, amounting in two cases to \$50,000 and \$25,000.

The Blanchard Bros. Granite Co., Uxbridge, Mass., have finished the contracts for building the abutments of the Milford & Uxbridge Street Railroad Co. Some of the work demanded great care, and necessitated the sinking of piles in water 15 feet deep.

Lafayette Granite Quarry Company, of Camden, N. J., has been incorporated by James F. Brown, Geo. L. DeWalle and Bernard Macneal; capital, \$100,000.

The South Dorset, Vt., marble quarries, recently opened by Norcross & West, are turning out large quantities of material, and the company is constantly increasing its force of men, which now numbers about fifty. New machinery is being installed, and a building to be used as a boarding house for the employees, is soon to be erected. About 300 blocks, averaging over ten tons each, are now awaiting transportation.

Charles H. More, of Montpelier, Vt., has been investigating granite deposits near the town of Granite, Oklahoma, and pronounces it to be of fine quality.

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A monument recently erected in Paterson, N. J., for the Knights of Pythias, is the gift of the late Tax Receiver William High. In ornament and design it is symbolical of the Pythian Ritual. It is of light gray granite, triangular in form, and consists of three columns supporting a dome, under which is an open Bible on an altar. There are three escutcheons on one of which are the letters "F. B. C."—Friendship, Benevolence and Charity, the three fundamental principles of the order. The memorial stands in Cedar Lawn Cemetery on a lot purchased by the local lodges of the Knights.

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On the Road

Thomas W. Eagan, Montpelier, Vt., called upon Chicago and Cincinnati dealers last month.

W. B. Kendrick and H. M. Bowen are travelling for Ryle & McCormick Company, Montpelier, Vt.

H. L. Brown, representing Bickford, More & Company, has his office at 7 E. 42d street, New York.

W. A. Lindsay, Pittsburg, Pa., keeps that state and adjacent territory covered for the Maine and New Hampshire Granite Company and other eastern concerns.

Geo. B. Turner, J. C. Culbertson and C. E. Pinkerton will represent F. S. Cary & Co., Zanesville, O., in Western territory. J. S. Whitworth will travel for the firm from their Montpelier office, through New York and Pennsylvania.

Wm. C. Townsend & Company, Zanesville, O., will keep in touch with their customers through the agency of the following travellers: D. W. Gilbert, in Western territory; W. N. Darst, Northern Ohio, Northern Indiana, Michigan and Wisconsin; Frank Hummell, west of the Mississippi; Thomas F. Ronan, in Southern Ohio, Pennsylvania and Kentucky.

Charles E. Penn, who represents Cook & Watkins of Boston in the west, will henceforth have his headquarter at 145 La-Salle street, Chicago. Fred H. Cook will travel in the middle and southern states and Henry C. Smalley in New England for this firm.

Harry J. Baldwin, junior member of the firm of Charles S. Baldwin & Bro., Zanesville, Ohio, will cover Pennsylvania, West Virginia and southern New York for his company. Their other salesmen will be O. S. Bowen in Ohio and Indiana; I. N. Stock, Michigan, Wisconsin, Minnesota and northern Illinois and Iowa; Fred Manson, Kansas, Nebraska, Missouri and southern Iowa.

W. C. Wells of Chicago will continue to sing the praises of the Northern New York Marble Company's product in his usual territory during 1902.

Charles Fields of the San Francisco branch of the Vermont Marble Company has been recuperating in the Adirondacks at Saranac, N. Y.

The Kennesaw Marble Company will be represented as in former years by Mr. Robert Grohein in southern territory, including Texas.

Alfred P. Benson will cover the Middle States, and G. L. Fir the Eastern States, for E. C. Willison, Boston, Mass. W. O. Willison will look after the Western trade, with headquarters in the Chamber of Commerce Building, Chicago.

P. H. McCue, C. J. Field, and A. E. Abbott will continue in their accustomed territory for the Chicago branch of the Vermont Marble Co. The Boston branch will be represented in Maine, New Hampshire, Vermont and the Provinces by J. A. Wright. The other New England states will be covered by N. H. Archibald and H. A. Munson. There will probably be no changes at the Cleveland branch, from this point. W. E. Calahan, E. S. Leavenworth and J. G. Constable will take care of Manager C. G. Leavenworth's trade.



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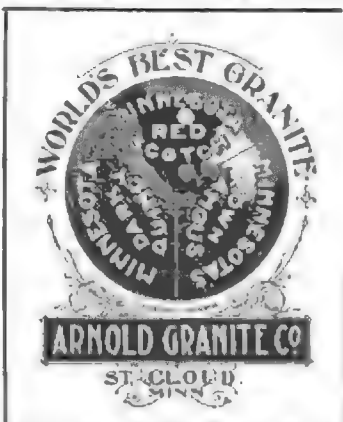
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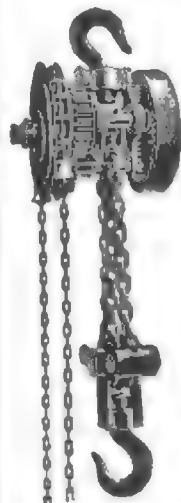
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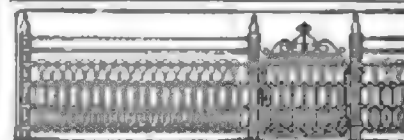


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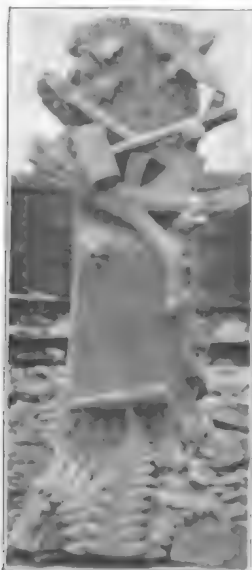
D. J. Whitney of the Gouverneur marble quarries is one of the pioneer marble men of western New York. He



opened up the first quarry in Gouverneur in 1877, and has recently begun the development of the Unfading Blue from Pennsylvania. In addition to its power of holding color this stock is found in shades ranging from dove blue to nearly black, and is growing in favor for monumental and building purposes. In these quarries a new layer has recently been developed, showing a dark, solid, uniform color, and running over thirty feet thick. Other new developments have been made, including an enlargement of the sawing facilities, and every effort is being made to give satisfaction to dealers. Mr. Whitney is Eminent Commander of the Marble City Commandery of Masons.

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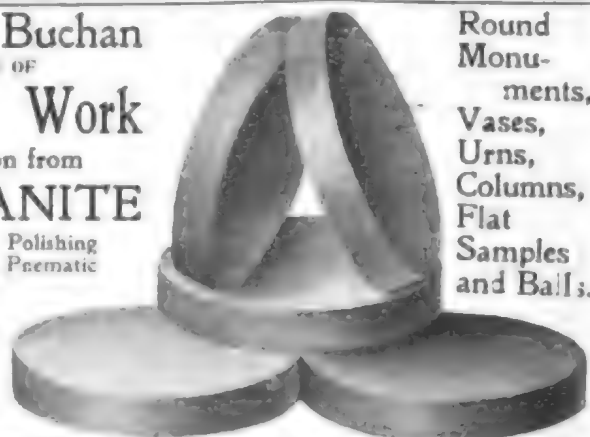
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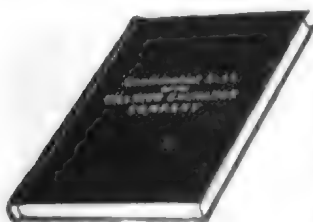
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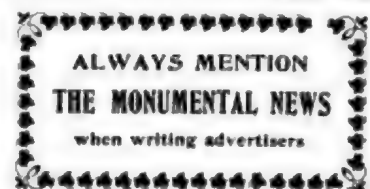
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NEW YORK OFFICE: 1536 Am. Tract Society Building.

Publisher's Notes.

IT is hoped that our readers will find it profitable to read, and reflect upon, the articles published in this issue, on "What Tends Most to the Success of a Retail Monument Dealer?" We have more answers to be published next month.

OUR new department to be devoted to announcements of recent patents of special interest to our readers, and which we had intended to start this month, is unavoidably crowded out of this issue.

FOR many years the mailing privileges allowed to publishers of what is designated as matter of the second class, including newspapers, magazines, trade journals, etc., have been greatly abused by unscrupulous publishers of house organs, "fake" schemes, books, etc. Annual deficits in the postal department, amounting to millions of dollars, have been the result. For the purpose of remedying this evil, the present administration has just put into effect certain rulings that will tend to lessen, if not entirely wipe out the deficit. Until recently these new rulings pertained more particularly to publishers, the latest, however, is of peculiar interest to subscribers, as well. This rule is intended to prohibit publishers from mailing papers to subscribers after the time has expired for which the advance payment of subscription was made. In other words, all papers must be discontinued when the subscription year is up unless an order to continue has been received. Any violation of this law on the part of a publisher will deprive him of the second class privileges. While this is an arbitrary ruling and one that will call out a vigorous protest from publishers with "easy going" subscription lists, it is the desire of this journal to live within the "spirit of the law" and subscribers are respectfully requested to aid us in so doing.

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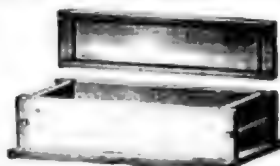
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THE MONUMENTAL NEWS.

A MONTHLY JOURNAL OF MONUMENTAL ART.

VOL. XIV. Chicago, February, 1902.

NO. 2.

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Monument to Samoan Heroes The Senate Committee on Naval Affairs has recommended that the joint resolution, authorizing the Secretary of the Navy to erect a monument in the Naval Academy grounds, Annapolis, Md., to the officers and men who fell in the fight in Samoa, April, 1899, be not passed and that it be indefinitely postponed. The grounds taken for this recommendation are: that the government should only erect monuments to commemorate events that have some great historical significance, marking the progress of the nation, and the men whose names are associated with such events. This point is well taken, otherwise where is the line to be drawn in the matter of monuments erected by the government, and in the light of our expansion policy, what inroads upon the public treasury may there not be expected in the coming years for monumental purposes? An exception to the recommendation, however, may well be taken on the question of historical significance, for that there was considerable historical significance in the Samoan affair few thinking Americans will deny. It would therefore seem quite pertinent and proper that this monument authorized by joint resolution,

should be erected to the men who gave up their lives for their country in far away Samoa.

Proposed 'Clearing House' at Barre, Vt.

Many have been the efforts on the part of the well-wishers of the granite and monumental industries to devise a system which would effectually do away with the absurd and ruinous methods of price cutting so long prevailing. We use the term absurd advisedly, because the indiscriminate manner in which prices have been made to secure trade, have been in multitudes of cases unreasonable and ridiculous and without a semblance of business sagacity in their composition. The scheme now proposed and which is being very carefully considered, is the preparation of a schedule of cost prices, covering every class of work, calculated upon the most exact data of practical experience, which shall be at the service of every manufacturer who joins in the plan. An office is to be established and maintained under competent management, to which all estimates must be submitted for examination and comparison with the standard cost figures, and while the subscribing manufacturers are not to be restricted in their estimates so far as profits are concerned, a common and reliable basis is offered upon which fair business values may be computed. This general idea has met with the approval of a very large majority of the Barre manufacturers, but the details which will require mature consideration are not yet perfected. There are great difficulties in the way, of course, largely due to conditions existing in the body of manufacturers themselves. To carry the project to a successful conclusion would require absolute fealty to the cause by all the manufacturers of Barre, but the long years of unsound methods of estimating and the "terrible temptation" to reap any advantage that offers, renders the task of adjusting the details of such a plan one of great delicacy. But the game is beyond question well worth the candle, and the manufacturers are to be cordially congratulated that by so large a majority they are willing to come together to devise a method for the improvement of business morals, which must, as a matter of course, exert a vast influence for good throughout the trade. In these years of prosperity it is eminently proper and necessary to remedy evil conditions.

THE PNEUMATIC TOOL TRUST.

Reports concerning the formation of a gigantic combine of American and foreign tool manufacturers have been current for some time and have taken definite form in the organization of one large corporation, including some of the leading concerns in the tool trade, and the reported projecting of a rival organization of similar proportions.

The Chicago Pneumatic Tool Company has recently been incorporated under the laws of New Jersey with a capital stock of \$7,500,000, to manufacture pneumatic machinery used in mining, submarine and bridge work. The stock will include a \$2,500,000 issue of twenty year first mortgage five per cent. gold bonds, and \$5,000,000 in common stock. In the securities accompanying the deed of trust which has been filed in Cleveland, Ohio, the plants of the following companies are included: The Boyer Machine Co., Detroit; the Oney Metal Co., Philadelphia; the Chisholm & Moore Manufacturing Co., Cleveland; the Franklin Air Compressor Co., Franklin, Pa.; and 20,000 shares of the New Taite-Howard Pneumatic Tool Co., of London. The incorporators are, Clifford W. Perkins, K. K. McLaren and L. I. Bailey, and the following officers have been elected: J. W. Duntley, president; W. O. Duntley, vice-president; Edward Y. Moore, second vice-president; Ernest P. Wenger, treasurer; H. R. Kent, assistant treasurer; LeRoy Beardsley, secretary; S. G. Allen, assistant secretary; Joseph Boyer, mechanical engineer; A. J. Doughty, general superintendent; Pam, Calhoun & Glennon, general counsel.

Following this incorporation comes the report that a new company is being formed to compete with the trust, and is to be known as the Consolidated Standard Pneumatic Tool Co.. The movement is being promoted by Robert Lefferts, but has not yet taken definite shape. The first intention of the tool interests is said to have been to unite all of the leading concerns in one corporation, but obstacles were encountered which brought about the proposed rival trust.

The firms likely to be consolidated in the second corporation are said to be the following: Standard Pneumatic Tool Co., of Chicago; International Pneumatic Tool Co., London; Philadelphia Pneumatic Tool Co.; Standard Railway Equipment Co., St. Louis; and the Cleveland Pneumatic Tool Co.

The firms connected with both of the so-called trusts are almost exclusively manufacturers of tools for machinery, iron and steel work. Manufacturers of the best known tools for stone and granite working have denied all knowledge of the trust, although rumor has it that they are likely to be absorbed by one of the trusts.

STONE AND CEMENT IN 1900.

From the Volume "Mineral Resources of the United States, 1900," by Dr. David T. Day, Chief of Division, just issued by the United States Geological Survey, we take the following items with regard to the production of stone and cement in 1900.

The increase in the value of the stone product in 1900 was general, but the greatest increase was in limestone. In the order of production Pennsylvania ranks first with a product of over \$8,000,000; then Vermont, over \$4,700,000; New York, over \$4,000,000; Ohio, over \$3,600,000; Maine, over \$2,400,000; Indiana, over \$2,300,000; Massachusetts, over \$2,100,000; and California, Georgia, Illinois, Maryland, Missouri, New Jersey and Wisconsin each produced more than \$1,000,000 worth of stone. The value of roofing slate increased about \$140,000, though the average price per square decreased 13 cents to \$3.00; and the export trade showed a decline of 30 per cent from 1899. The value of limestone burned also decreased nearly \$200,000. Good building stone is found in Cuba, the most extensive quarries being in the outskirts of Havana.

The total product of cement in the United States in 1900 was 17,231,150 barrels valued at \$13,283,581, against 15,520,445 barrels valued at \$12,869,142 in 1899, a gain of 11.02 per cent in amount and 3.06 per cent in value.

The amount of Portland cement produced in 1900 increased over 50 per cent over 1899. The average annual rate of increase since 1890 has been about 40 per cent. The value of the product of 1900 was about \$1,200,000 more than in 1899. The average price per barrel in 1900 was \$1.09 against \$1.43 in 1899. There were 50 cement works in 1900 against 36 in 1899, 24 in 1894, and 16 in 1890. Pennsylvania and New Jersey remain the chief States of the industry in the country; Illinois and Michigan are making considerable progress; Colorado, Indiana, and Texas have the industry on a good basis; and Kansas and Virginia appear for the first time as producers. The imports have remained practically constant for the past eleven years in the face of the immense growth of domestic manufactures. High grade Portland cement is manufactured more cheaply and of better quality in this country than abroad. The proportion of domestic cement consumed has increased from 13.2 per cent, in 1891, to 73.9 per cent, in 1899 and to 79.1 per cent in 1900. According to the Advance Sheets of Consular Reports, No. 1052, June 3, 1901 (apply to Department of State, Washington, D. C.,) there is apparently good demand for Portland Cement under conditions favorable enough to allow export from this country to Canada, Mexico, Central America, Martinique and the Guianas.

Wagner Monumental Competition in Berlin.

There seems to be felt a keen disappointment in artistic circles in Berlin over the outcome of the



FIRST PRIZE MODEL FOR WAGNER MONUMENT.
GUSTAV EBERLEIN, SC.

recent competition for the proposed monument to Richard Wagner. As one critic sees it, "we might as well proclaim that German plastic art is utterly bankrupt." He attributes this condition of things partly to the rage for gigantic images and structures which has manifested itself during recent years and partly—though careful to conceal this allegation between the lines—to the influence of governmental patronage of sculpture and sculptors which has marked especially the last decade. He aptly characterizes the sculptural treatment of such heroes as Bismarck and Wagner, by the sculptors generally, as falling into the types of—a cavalry general and a judge! A glance at the reproductions of some of the nineteen projects submitted by ten sculptors in this second limited competition—they having been chosen through a general competition decided in July last—shows the truth of the sarcasm. In all

save two, the great musician is shown seated and draped with what one critic suggests may be a traveling rug concealing the lower half of the body.

Only two artists—Hoseaus and Hidding—had the courage to depart from this superficial device, and make use of one of Wagner's own creations, or a worthy symbolic device. Hoseaus' model shows an equestrian figure, and while he has neglected an excellent opportunity of placing upon his pedestal Siegfried, the immortal hero of the Trilogy, instead of the conventional Genius of Music he has chosen, his production, nevertheless shows careful conception, and the architectural treatment of the pedestal on which a bust of Wagner occupies a niche, is strong and effective. In Hidding's design one of the Walkure, also on horseback, is the central figure.

But the first prize is given to Gustav Eberlein for his very conventional conception, Hoseaus' getting only the third, while the second goes to Ernst Freese. The chief recommendation of his work seems to be its similarity in treatment to thirty-odd "Sieges-Allee" monuments already completed or bespoken for the Berlin Park.

The lesson of it all is like that of so many other



MODEL OF HERMANN HIDDING FOR WAGNER MEMORIAL.



SECOND PRIZE. ERNEST FRESE, SC.; WILHELM BRUERREIN, ARCHITECT.

competitions, both here and abroad—the folly of expecting good results where it is a matter of votes and “influence” in the committee, rather than of meritorious and creative designs. It is greatly to be deplored that, with so inspiring a theme, the inspiration should be so lacking! The greater number of the artists in the competition, seem to have striven more to design a memorial which could be constructed for the specified sum, \$25,000, rather than to give artistic expression to the feelings the German nation bears toward one of its greatest sons.

One of the influences which led to the unsatisfactory termination of the competition is undoubtedly to be found in the very limited time allowed the sculptors for the completion of their models. They asked for six months for the preparation of

their new models, but the committee granted them only three. Aside from the technical difficulties of the work, it is obviously impossible for an artist to complete a great work, and take that critical objective view of his own work, which is much more valuable to him in bettering it than the criticism of others, however wise and competent they may be.

The prizes for models were, respectively, \$625, \$375, and \$250. The awarding of the commission for the memorial is not determined by the prizes for models, and the critics have it that a well defined rumor is afloat to the effect that the award will go to sculptor Herter, who was in the final ten, but whose model did not draw a prize.

(From Die Kunst fuer Alle, Muenchen).



THIRD PRIZE. MODEL OF HERMANN HOSAEUS.

Monumental Sculpture in the City of Mexico.

The capital of the Republic of Mexico is a city of about three hundred thousand inhabitants, and covers an area rather smaller than we would naturally expect of a city of that population in our country. Under these circumstances we might be surprised to find it possessed of a sufficient number of examples of the sculptors art to be entitled to be known as a "City of Statues." And the visitor who does not observe these public statues with reference to the extent to which the sculptor's art has developed in that country and been encouraged by Mexicans, leaves that city but partially seen.

We risk the incompleteness of our view of this subject by omitting to mention a class of sculptures inherited by the city from the former occupants of the site;—the Aztecs of Tenochtitlan. These are not without interest to the modern sculptor, but the interest is archaeological rather than artistic, and would more properly belong in a separate paper.

To examine the public statues in the city of Mexico in the order of their topographical location, let us begin with the National Palace. There are two heroic figures of Victory, surmounting the facade of the palace itself, but they may be of sheet iron for aught any one tells us or appears to know. But near the northwest corner of the Palace is a statue of more than ordinary interest. It is the dominating feature of a monument to Enrico Martinez, the projector of a scheme for draining the valley of Mexico which was not adopted in his day, (the early half of the seventeenth century,) but has been put into operation. Martinez, however, did construct a tunnel, four miles long, for the drainage of some of the lakes; and this tunnel, after many vicissitudes, became the famous Tajo de Nochistongo. Of course, a simple way to commemorate the city's gratitude to Martinez, would have been to erect a portrait statue of him. But there is nothing extant upon which to found a portrait. The sculptor, Norena, solved the difficulty thus presented, by modelling a statue of Mexico, the grateful city; and the heroic bronze figure stands upon a pedestal of light colored marble, the faces of which, and the enclosed pavement upon which it stands, are filled with scientific data regarding the city;—precisely the kind of data which would have been interesting to the hard-working, self-sacrificing, sensitive cosmographer and engineer, who did not get very far along with his schemes for protecting the city from inundation, before he was cast into prison and kept there while

the city remained under three feet of water the space of four years.

A short distance north from the palace is the Plaza de Santo Domingo, and in the center thereof is a fountain, or what passes for a fountain in the city of Mexico, namely a basin. This fountain is surmounted by a bronze statue of an eagle, standing upon a nopal, (Prickly-pear cactus,) strangling a serpent. This is none other than the Arms of the Republic of Mexico, and is commemorative of the legendary beginning of the Aztec



STATUE OF CARLOS IV., CITY OF MEXICO.

occupation of the Pueblo of Tenochtitlan in 1325.

South of the Palace a few blocks, one comes to the Biblioteca Nacional. This building, (a suppressed and confiscated Augustinian Monastery,) is surrounded by a high iron fence, and each of the nineteen posts of this structure is surmounted by a portrait bust in bronze of a Mexican distinguished in the domain of letters. Thus are commemorated Manuel Carpio, Francisco Manuel Sanchez de Tagle, Jose Joaquin Pesado, Fray Manuel Navarrette, and Netzahualcoyotl, who were poets; Manuel Eduardo Gorostiza, dramatist;

Fernando A. Tezozomoc, Fernando A. Ixtlilxochitl, Francisco Javier Clavijero, Mariano Veytia, Lucas Alaman and Fernando Ramirez, historians; Manuel de la Pena y Pena, jurist; Fray Juan Crisostomo Najera, philologist; Carlos Siguenza y Gongora, humanist; Jose A. Alzate, naturalist; Leopoldo Rio de la Loza, chemist; and Joaquin Cardoso and Jose Maria Lafragua. The Biblioteca contains within its walls sixteen colossal statues of the Fathers of Learning:—Valmiki, Confucius, Isaiah, Homer, Plato, Aristophanes, Cicero, Virgil, St. Paul, Origen, Dante, Alarcon, Copernicus, Descartes, Cuvier and Humboldt. These could scarcely be regarded as public statues; but there is a large statue of Minerva in a niche in the western wall of the Library facing the garden which might be included among the public sculptures of the city.

Still farther south from the Palace and in the outskirts of the city, upon the banks of the Viga canal, stands a bust of Cuauhtemoc, upon a high pedestal bearing emblematic designs, and an inscription, in Spanish on one side and repeated in the Aztec language on the other, reciting the heroic defence of Tenochtitlan by this, the last tlaca-tecuhtli of the race. This monument which attests the Mexican pride in the Aztecs, was unveiled on San Hipolito's day 1869, being the anniversary of the surrender of Cuauhtemoc.

On a street corner south-west of the Zocalo, some patriotic citizen of Mexico many years ago, adorned the front of his house just below the cornice, with medallion busts of the heroes of the War for Mexican Independence. They are not of much merit as sculptures and attract scarcely any attention as public statuary; but they serve to show the popular taste for commemorative sculpture, and indicate a field for subjects for public monuments which has not yet been exhausted.

Proceeding westerly along the Calle de los Hombres Ilustres, in a recess between two ecclesiastical structures, opposite the centre of the Alameda, stands a statue of the patriot-priest and revolutionary leader, Jose Maria Morelos. It is the work of the Sculptor Piati, and has little merit as a work of art. It was unveiled on the centennial of the birth of Morelos, in 1865, by the Emperor Maximilian.

A block beyond, at the corner of the atrium of the church of San Hipolito is an arched gateway, bearing a bas relief and an inscription regarding Noche Triste. The bas relief represents an eagle bearing aloft an Indian and is symbolical of an Indian legend.

Still further on the same street, in a plaza in front of the church of San Fernando, is a bronze

statue by Norena, of Vicente Guerrero, a revolutionary hero and sometime President of the Republic. Another statue marks his tomb in the Panteon attached to the church.

From this point southerly a few blocks and the initial point of La Paseo de la Reforma is reached; and there stands one of the great statues of the world, the equestrian statue of Carlos IV, of which Humboldt said:—"This work excels in beauty and purity of style any equestrian statue in Europe, excepting only that of Marcus Aurelius in Rome." It is interesting for a number of reasons;—It is the acknowledged masterpiece in sculpture of Manuel Tolsa, who came from Spain in 1791 to be Director of Sculpture and Architecture in the San Carlos Academy of Fine Arts;—it was the first bronze statue of any importance cast in the New World;—it is, according to a generally accepted statement, a solid bronze casting;—it is preserved, and has been preserved with great difficulty, not out of any fondness Mexico has or ever had for Carlos IV, but as is distinctly expressed upon its pedestal, "Mexico preserves it as a monument of Art."

L. Viajero.

NEW LIGHT ON PARTHENON SCULPTURE.

Some recent discoveries concerning the marbles of the Parthenon period that throw light on the work of Phidias, the foremost sculptor of the great monumental period in Greek sculpture, are set forth by Charles Waldstein, Ph. D., of the British Archaeological School at Athens, in the December number of *Harper's Magazine*.

The discoveries deal with two marble statuettes, now in the Museum of Sculpture at Dresden, which Mr. Waldstein seeks to demonstrate are modeled after figures on the Parthenon pediments. One of them is a reclining figure, believed to be a composite copy of the river-god, Kephissos, on the western pediment and the Olympos of the eastern pediment. The shoulders bear a marked resemblance to Olympos, and the lower body to the river-god.

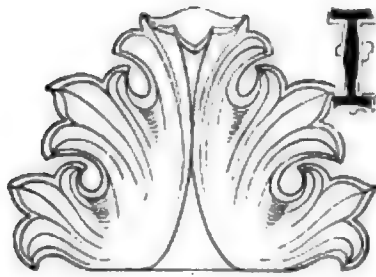
The other statuette represents a seated female form nude to the waist, which is strikingly similar to two figures discovered ten years ago near Athens, that have been shown to be copies of figures on the eastern pediment. The figure is well-preserved, and of rare modeling, and is assigned to a place on the eastern pediment as a representation of Aphrodite.

The two figures are of great importance in supplying missing figures of the Parthenon, and the Aphrodite in giving some idea of the treatment of the female form in the statues of Phidias.



The Acanthus.

(Continued).



9

IN GRECIAN decorations the acanthus is mostly found in capitals and terminal ornaments, as shown in Figs. 5 and 6. In Roman art the acanthus differs materially from the severe and refined Grecian type, being extremely luxurious in its treatment, and in many instances exaggerated in its modelling. This is quite in keeping with the general feeling of Roman architecture and it is not to be wondered at that the artists of Rome looked upon the Greek renderings of the plant, presented in the finest works at Athens and elsewhere, as too angular and severe to accord with their luxurious ideas, so they probably selected for their model the *Acanthus mollis*, (Fig. 7), with broad, blunt tips to the leaves. There is a little confusion in this matter as to whether the Romans derived their ideas for the treatment of the acanthus leaf from the variety of the natural plant which grows in their own country, which does not display the same sharp and spiky outline as the Grecian *Acanthus spinosus*; or whether they were inspired by the Greek examples, and modified them to suit their own debased and luxurious tastes, but the chief argument in favor of the latter idea, lies in the fact that none of the best Roman examples at all resemble the natural leaf of the *Acanthus mollis*.

The acutely pointed bidentate lobes of the Greek leaf are never imitated in the Roman, the

nearest approach to them being found in the capitals of the Temple of Vesta, but as this building is understood to have been built by Greeks, the resemblance is reasonably accounted for.

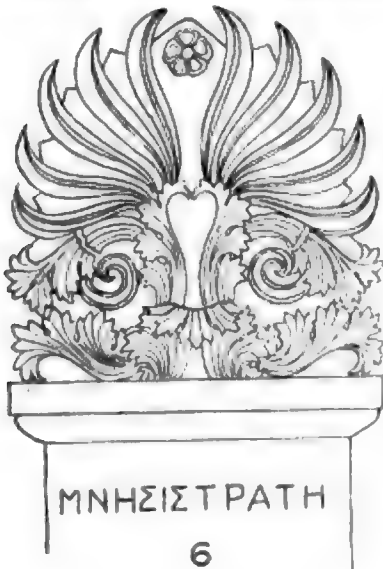
In the generality of the Roman examples the divisions of the lobes are rounded on their sides, and obtusely pointed, as in the capitol of the temple of Mars Ultor, the Basilica of Antoninus, the Baths of Diocletian, the Arch of Titus, and the Pantheon (Fig. 8.)

In these leaves the lobes are hollowed or scooped out in a deeply concave manner, having no indication of the angular flutings of the Greek models, and are softly modeled, throwing the pipings of the eyes very prominently forward and thus creating heavy shadows in the channels which cut up the field of the leaf in a very pronounced manner, and produce an effect entirely different from that of the Greek foliage.

There are many varieties of the lobe treatment to be found in Roman work where the foliage takes more flowing outlines and presents compound curves, the effect of which is very graceful and essentially luxurious. In the styles of Christian architecture, which immediately followed the classic, the acanthus still appeared as the leading motive in sculptural ornamentation, with less delicate forms and fewer lobes.

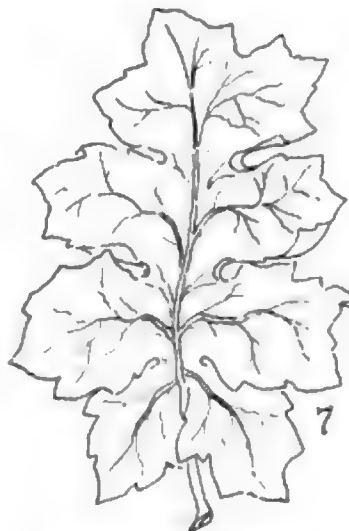
In the Byzantine style, shown in Fig. 9, the Greek forms of the conventional leaf were followed as models; its offshoots and sharp-pointed divisions of the lobes and their angular grooving was adhered to, while the general form and treatment of the plant was materially departed from.

Franklin L. Naylor.



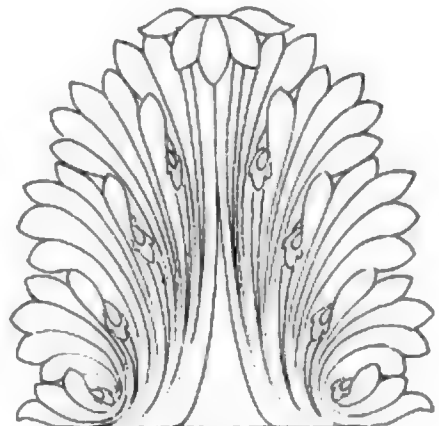
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AN ACANTHUS CAPITAL.



7

THE ACANTHUS MOLLIS.



8

ROMAN ACANTHUS DESIGN.

Pennsylvania Academy Sculpture Exhibit.

While the catalogue of the exhibit of the Pennsylvania Academy of Fine Arts, held January 18, numbers but sixty pieces of sculpture, the large percentage of the good is a source of satisfaction. The sculptors have berated the public, and critics have lashed the sculptors who reply when accused of being mercenary that bronze, silver and gold medals are poor substitutes for the medium of the mints. Only a short time since, calling upon a sculptor who had previously received a fair commission, I put the question point blank, "And when do you get a check?" to which he replied: "Perchance in eighteen months, and in the same breath:

ness, propped up in bed writing. In the lower corner is a well posed figure of a young woman playing the guitar.

"The Redemption" a design in plaster for a decorative piece for the Boston Public Library, is by John Springer Sargent, who carries his hieroglyphics into and unto his modeling, as in his brush. In design it partakes of the Greek cross, on which the form of Christ is supported by two figures, right and left, male and female.

Herbert Adams with an eye for the beautiful and correct, again presents a "Portrait of a Young Lady" done in marble, supported by a handsome



Head, by Alexander Sterling Calder.

Portrait of a Young Lady, by Herbert Adams.

Bust of Dr. Louis Starr, Chas. Grafty, Sr.

THREE BUSTS AT THE PENNSYLVANIA ACADEMY EXHIBIT.

"You dont want to buy my gold medal do you?"

First among the exhibitors we turn to St. Gaudens always charming in his delinations, poetical in thought, who shows the Stevenson Memorial bronze; this we have seen before, but so good is it that the eye still finds new sentiment in a second view. Number 1054 contains 7 small bronze bas reliefs, in which one readily recognizes Dean Howells and Wife, and the sterling protraiture of Bastion Le-page. Minute in form, they stand as free and distinct as engravings on steel, and yet the largest is only 8 by 10 inches, and the smallest a round one 2½ inches in diameter. Number 1055 is likewise devoted to 7 other bronzes in which the centre is given to the well known figure, attenuated by sick-

marble pedestal, with a small bronze relief at the corsage.

"The Last Round-up" by Solon H. Borglum, is another well executed work in marble, a trifle misty perhaps, but presumably to be taken literally since the horse is thrown forward upon his knees unable to rise.

A very conscientious piece of modeling may be viewed in a portrait bust of Dr. Louis Starr, by Charles Grafty. It is direct and forcible, well mounted and also distinguished by the care and thought bestowed on the pedestal.

Hermon A. MacNeil, of New York, exhibits no less than 7 pieces, every one of which shows more than the average feeling and conception. He is espe-

cially strong however in his studies of the Indian, and his "Snake Runner of the Moqui" stands for his knowledge of anatomy, strength of action and human emotion.

Bela Pratt, of Boston, is well and ably represented by two studies in marble figures in sitting posture, both representing the younger days of womanhood, graceful in thought and execution.

In the sweet interpretation of thought in the borderland between girlhood and womanhood, Evelyn Beatrice Longman, has succeeded admirably in the life size bronze bearing the legend "Oratio Virginis" head and torso, with a simple shawl drapery, hands clasped and eyes upturned, bearing well the imprint of truthful dignity. The sketch of a good dog Norval is well expressed and cleanly executed by William W. MacIntosh. His innate love for the canine is the secret of his success.

Alexander Stirling Calder, in his five pieces, is well represented. His "Momos" is a vigorous subject, and in the "Head and Pedestal" illustrated he has succeeded well in catching the fleeting sense of undeveloped intelligence. His bust of Dr. Sheldon Jackson, is also very acceptable.

Jerome Connor, is best seen in the "Head of Dr. Silas Hubbard" and a portrait bust of "Anna". "The Dancing Nymph" by Alice Cooper, of Chicago, is incisive in modeling and graceful in poise. Carol Brooks MacNeil, is both original and effective. Good work is seen in the utilitarian num-

bers, which might be well applied, and deserve strong commendation.

Samuel Murray, in his five numbers, is best seen in his "Portrait of a Lady," sketch of "The Violinist" and a full length of "The Archaeologist."

Karl Heber, in a life size reclining figure entitled a "Pastoral" presents a youth playing the pipes to the sunlight forces. F.G.R. Roth, exhibits a bronze "Elephant and his Hindoo Trainer". Both convey the sense of strength and action. The study of a head, by Guiseppe Donati, deserves mention also. Other names that are likewise notable for the good efforts made are those of Edith Woodman Burroughs, Frank Elwell, Eli Harvey, Charles Albert Lopez, and Helen F. Mears, for her very commendable portrait of Augustus St. Gaudens.

Edith Emogene Freeman of Chicago, in her portrait bust of Dr. F. A. Noble, is working steadfastly in the proper direction. The work is always of value where the mind so well dictates the action of the hand.

A new factor on which much time and care has been bestowed by Henry C. Mercer, of this city, is seen in a selection of his modelled Moravian tiles, fashioned after those seen in the pavement at Monks, Risborough and Mendenham, Buckinghamshire, England, also of Lintern and Tervaul Abbeys. Here indeed is a new and fascinating occupation for those who cling tenaciously to color and modeling.

W. P. Lockington.

Proposed Department of Commerce and Industries.

It is very evident that a determined effort will be made in Congress during the present session to secure the passage of a bill creating a new executive department to be known as the Department of Commerce and Industries. During the first week of the session six or more bills with this object in view have been introduced and referred to the proper committees. That of Senator Nelson, who is chairman of the Senate Committee on Commerce, and a staunch advocate of the proposed department, will probably be selected for enactment. Senator Nelson's bill provides for a secretary of commerce, who shall have a place in the President's cabinet, and whose province and duty it shall be to foster, promote, and develop the foreign and domestic commerce, the mining, manufacturing and shipping industries, the labor interests, and the transportation facilities of the United States; and to this end the department shall be vested with jurisdiction and control of the departments, bureaus and branches

of the public service which have heretofore had control of these matter. A branch of the proposed department, to be known as the bureau of manufactures, is to be vested with the duty of promoting and developing the various manufacturing industries of the United States, and markets for the same at home and abroad, by gathering and supplying all available and useful information concerning such industries and such markets.

The need for this new department was well expressed in the resolutions adopted by the recent National Reciprocity Convention. President Roosevelt also recognizes the great and growing need for the new department and in his first annual message to Congress strongly recommended the enactment of a law to create the proposed department, "for the purpose of broadening our markets, securing our business interests on a safe basis, and making firm our new position in the international industrial world."

Monumental Art in Italian Cemeteries.

The characteristic feature of the Italian cemetery is the colonnade that invariably surrounds the Campo Santo (holy field). This colonnade, like the cloister proper in a monastery, encloses the green field in which are laid to rest those who are too poor to purchase for themselves a burial place in the colonnade. Monuments of white and colored marble, bronze or alabaster, in far richer variety of form and design, than found in our cemeteries, fill the space between the columns of the colonnade and the niches on the opposite wall. If the Campo Santo happens to be a fashionable one, then usually a second colonnade encloses the first, the former receiving its light from above. We are accustomed to see in our cemeteries headstones, crosses, obelisks and broken columns, here and there an allegorical figure, a bust or some more costly work of sculpture. In our larger cemeteries we find lavishly built mausoleums. How far different are the monuments in the Italian Campo Santo. Clustering around allegorical figures, such as Faith and Hope, we find the most realistic reproductions in cold marble. Disconsolate hopelessness, psychic and physical pain, grief in its most heart-rending aspect are here depicted in a fashion that makes you shudder all over. The Italian monumental purveyor does not believe in illustrating the meeting in the hereafter of those whom death has temporarily put asunder; he believes it to be his duty to bring out the tragedy of death in blunt, cruel fashion. Here we see a female, garbed in hat and jacket of the present time, crouching disconsolately before a marble shaft. The face of the female figure is not idealized. It represents the widow of the man who is buried here, and the sculptor was congratulated for bringing out the lifelike features of the mourning widow. On another grave we find that the sculptor has actually depicted a mother holding her infant towards his father who lies buried here. It is not an unusual thing to see a marble figure of Death, impersonated by a grim skeleton, seizing with brutally depicted strength the figure of the person who lies buried underneath the diabolical monument. On another plot we see a man dying while his wife watches by his bedside, a faithful reproduction of the actual dying scene of the man who is sleeping eternal sleep underneath. On the grave of an infant we find its likeness in marble, seated in a modern baby's chair—grim, actual reality! No stranger can visit the Campo Santo without being deeply touched by the actuality of the scenes portrayed in stone. It is with a feeling of relief that one looks at the noble image of the

Savior which towers above the other monuments, the symbol of life and resurrection. After the many monuments of brutal reality, the few symbolical figures of Peace and Hope, angels that wind their arms about the departed and those left behind, appear to the visitor as messengers of solace.

The Campo Santo of Genoa is one of the most magnificent cemeteries in all Italy. It is beautifully situated in the midst of the peaceful quietness of the mountains. A street car runs from Genoa to the cemetery portals. From the cemetery the Genoese fortifications are visible. From the distance the greenish white view of the Campo Santo is almost overpowering. It comprises a great big square enclosed by two colonnades; innumerable



TOMB OF MAZZINI, GENOA.

small, white crosses dot the graves of those who are buried in the center square. In the centre is a lofty figure of Faith, leaning with the right arm on a gigantic cross, the Holy Writ in her left. In the background are marble steps that lead to another division of the cemetery where we find a miniature reproduction of the Pantheon of Rome, with its magnificent cupola and portico. This chapel is furnished and fitted up in truly sumptuous style. Support for the edifice is furnished by sixteen monolithic black marble columns, each worth 12,000 liras. The eight niches between the columns are filled with the most famous works of living masters. Nowhere in the world is there a masterpiece that surpasses in ideal beauty the representation of Adam and Eve which is to be seen here in heroic size. Nearby are the statues of Daniel, the prophet, the Holy Michael in martial uniform and the Immaculate Virgin, who is pictured bringing the message of the Lord that means redemption from the "Fall of Adam." The burial



INTERIOR OF COLONNADE, CAMPO SANTO, GENOA.

places within the rotunda cannot be purchased. It is a special honor to be buried there, and only those who have specially distinguished themselves, are accorded a final resting place in this hallowed ground. Rossini, the Genoese composer, lies buried here. Amid the terraces that abound in the Campo Santo, many Gothic mausoleums, small temples and neat, refreshing monuments are to be seen surrounded by many of the characteristic, grim

kind already alluded to. Here we see the head of an angelic boy of tender age. Underneath is the inscription: "He was our joy and hope." At last we have found Mazzini's last resting place, far away from the colonnade in an almost lonely spot. No allegorical figure to adorn his grave, no statue, just a plain mausoleum with the inscription: Giuseppe Mazzini.

William Crawford Hirsch.
(To be Continued).

MEMORIAL TABLET TO SOLDIERS AT LOWELL, MASS.

The bronze tablet illustrated here was recently unveiled in the armory at Lowell, Mass., to Lowell soldiers who served in the Spanish war. It was modeled by R. Hinton Perry, designed by J. W. Gosling, and cast by the Henry-Bonnard Bronze Co., New York. The sixth and ninth Massachusetts regiments were Lowell troops, and the names of their members who died in the late war are inscribed beneath the palm branch on the tablet. The meaning of the design is apparent—the dead receiving the reward of Victory. The rounded outlines of the female figure, the skillful treatment of the drapery, and the adaption of the eagle to the border design, make it a worthy memorial.



Sculpture.

HENRY HUDSON KITSON, Boston, has been selected to model the statue of General Nathaniel P. Banks to be erected in that city at a cost of \$18,000. Mr. Kitson's model represented General Banks standing in front of the speaker's chair in the attitude of an orator.

EDWIN ELWELL has just presented the University of Kansas with a plaster cast of a bust of F. B. Sanborn, which he has completed for the State Historical Society.

THE sixty-fifth exhibition of the Boston Art Club was held in January, and embraced a collection of 141 oil paintings and four pieces of sculpture. The sculpture included two bronze equestrian statuettes, "Don Quixote," and "The Medicine Man," by Cyrus E. Dallin, "In Days of Yore," by Grace Hooper, and a study of a head by Felix A. Gendrot.

J. MASSEY RHIND has recently modeled the stone figure of a crouching Indian to be placed on Indian Rock in Fairmount Park, Philadelphia, in place of the wooden figure which had surmounted the rock for many years. The figure is to be sixteen feet high, and is a gift from Mr. and Mrs. Charles W. Henry.

OSCAR L. LENZ, of New York, has modeled a bas-relief portrait in bronze of Dr. Richard Salter Storrs, for fifty-four years pastor of the Church of the Pilgrims, Brooklyn, N. Y. The portrait forms the chief feature of a tablet of Romanesque mosaic and bronze, which was recently placed in the Church of the Pilgrims.

HAMILTON MACCARTHY'S statue of a Canadian infantry soldier for the monument to Nova Scotia soldiers, to be erected in Ottawa, has just been cast by the Henry-Bonnard Bronze Co., New York. The soldier is represented in the act of signalling "Enemy in Sight." He stands with his left foot forward and raises his rifle in a horizontal position over his head.

CHARLES G. MULLIGAN has completed the working model for a fountain to be placed in Independence Park, Chicago. The design has been accepted by the Municipal Art League and will shortly be erected by the West Park Board.

AUGUSTUS LUKEMAN has been selected to model the life-size bronze statue of the late President McKinley, to be erected at Adams, Mass. Mr. Lukeman is a pupil of Daniel Chester French.

THE Art Students League of New York has inaugurated a new system of awarding its school scholarships for the season of 1901-1902. Instead of offering scholarships to certain schools as heretofore, a competition will be held open to all art schools and art departments of colleges in the United States outside of New York. Ten scholarships are offered, entitling the winners to free tuition for the season of 1902-3. Five will be for drawings from the antique, and five for drawings from life, not more than one prize to be awarded to a single art school. The jury will be composed of the president and the instructors of the League, and the competition will be held in May, 1902.

REINHOLD VON BIGAS, the German sculptor who modeled the recent Berlin monument to Bismarck illustrated in these columns, was the director of the sculptors who produced the series of historic statues in Berlin along the "Sieges Allee," or Avenue of Victory, in commemoration of former rulers of Germany. The completion of the series was recently celebrated with a banquet at which the Emperor delivered a long address on art ideals and German sculpture.

PHILIP MARTINY is at work on a statue of Vice-President Hobart, which is to be cast in bronze and erected in front of the city hall, Paterson, N. J. The statue represents Mr. Hobart as presiding officer of the Senate, and has met with the approval of the American Art Society.

THE National Arts Club, of New York City, has brought together a collection of works of art, sculpture, and other objects of church decoration. Designs for stained glass by Crowninshield, La Farge, Locke and others; religious statues and reliefs by Daniel C. French and Joseph Sibel, religious figures in tiles by Charles Volkmar, and a large stained glass window by J. & R. Lamb, are among the exhibits.

SIGVALD ASBJORNSEN, Chicago, has completed the model for the surmounting figure for the Confederate monument to be erected at Charlotte, N. C. The figure is to be of bronze, seven feet high, and represents a soldier in fatigue uniform with rifle at the position of charge.

WILLIAM ORDWAY PARTRIDGE has appealed from the decision granting him \$500 damages in his suit against the New York, New Haven and Hartford Railway for injury to a statue he had shipped to Philadelphia for the Smith memorial. He asked for \$10,000 damages.

In our May issue we were led through misinformation to make the statement that Douglas Tilden, the mute California sculptor, had been suddenly stricken with insanity. Mr. Tilden writes that the report was false, and objects to being classed among the dead. His Donahue Memorial Fountain was recently unveiled at San Francisco, and it is our earnest wish that we may see many more works from his hand.

FREDERICK MACMONNIES is quoted as follows on the value of Parisian training for art students by the Paris correspondent of the *Chicago Tribune*: "I do not believe that Paris as it exists today has ever been equalled in any age, past or present, as a place to study the arts, and the only possible rival in the near future will be America." The correspondent then continues to speak as follows on the same subject: "The statements attributed to Edwin A. Abbey, that London is better than Paris for American art students, has aroused here general protestation among the American sculptors and painters, who state that the great advantage is that all the French masters, from Bougereau to Bessard and from Bonnet to Claude Monem, or from Rodin to Fremiet or to Dubois, are all one and all welcome the young Americans with frank and cordial good will. Surprise is nevertheless expressed by the French and American artists that young students often choose mediocre teachers here, for with exception of a few of the highest studies the American studying art, painting or sculpture can find almost as many good average teachers in New York as in Paris." MacMonnies has just completed his equestrian statue of General Slocum at his studio in Paris. The statue represents the General in the act of ordering a charge, and is instinct with life and vigorous movement. The accoutrements used by the sculptor were those actually worn by General Slocum.

Two Philadelphia Memorials.



DICKENS AND LITTLE NELL, CLARK PARK, PHILADELPHIA.

DICKENS AND LITTLE NELL.

The bronze group shown in the illustration represents Charles Dickens and Little Nell, one of the best known characters in his novels. Neither of the figures needs an introduction to readers of English literature, and have been portrayed with sympathy and feeling by Sculptor F. Edwin Elwell of New York. The monument was presented to the City of Philadelphia by the Fairmount Park Art Association, and erected last June in Clark Park, where it has been much admired as a reminder of one of the masters of English fiction, and one of his most delightful characters, as well as a skillfully modeled example of the sculptor's art, well adapted to a place in a park frequented by children such as Dickens loved and wrote about.

The pedestal and steps are of Woodstock granite, furnished and erected by W. R. Martin of Philadelphia, and are of the following dimensions: Bottom steps, 11 ft. 4 in. by 10 ft. 2 in. by 8 in.; second set, 9 ft. 2 in. by 8 ft. by 8 in.; third set, 7 ft. 2 in. by 8 in.; die, 4 ft. 8 in. by 3 ft. 4 in. by 4 ft. 2 in.

A McKINLEY MONUMENT, PHILADELPHIA.

The accompanying illustration shows the design for the memorial to be erected by the postoffice employes of Philadelphia in memory of the late President McKinley. Subscriptions to the amount of \$2,070 have been made by the clerks, carriers and other employes, and the contract for the completion of the work has been let. The design calls for a bust of the President, mounted on a pedestal of dark, polished Quincy granite, the total height of the bust and pedestal to be 8 feet 8 inches, and base dimensions, 4 feet 4 inches by 3 feet 6 inches.

It was necessary to obtain the permission of the Treasury Department at Washington before work could be carried on, as the Federal regulations prohibit the placing of memorials in public buildings unless specially authorized. Permission was cheerfully given, and the bust will be placed midway between Market and Chestnut streets on the first floor corridor of the Central Postoffice.

The bust will be modeled by Edward Pausch, who took the death mask of the President at Buffalo, and the design was furnished by Walter Craig. The contract for erection has been awarded to the Craig Granite Co., 547 N. 52d street, Philadelphia, and the work is to be completed about April 1.



DESIGN FOR M'KINLEY MONUMENT, PHILADELPHIA.

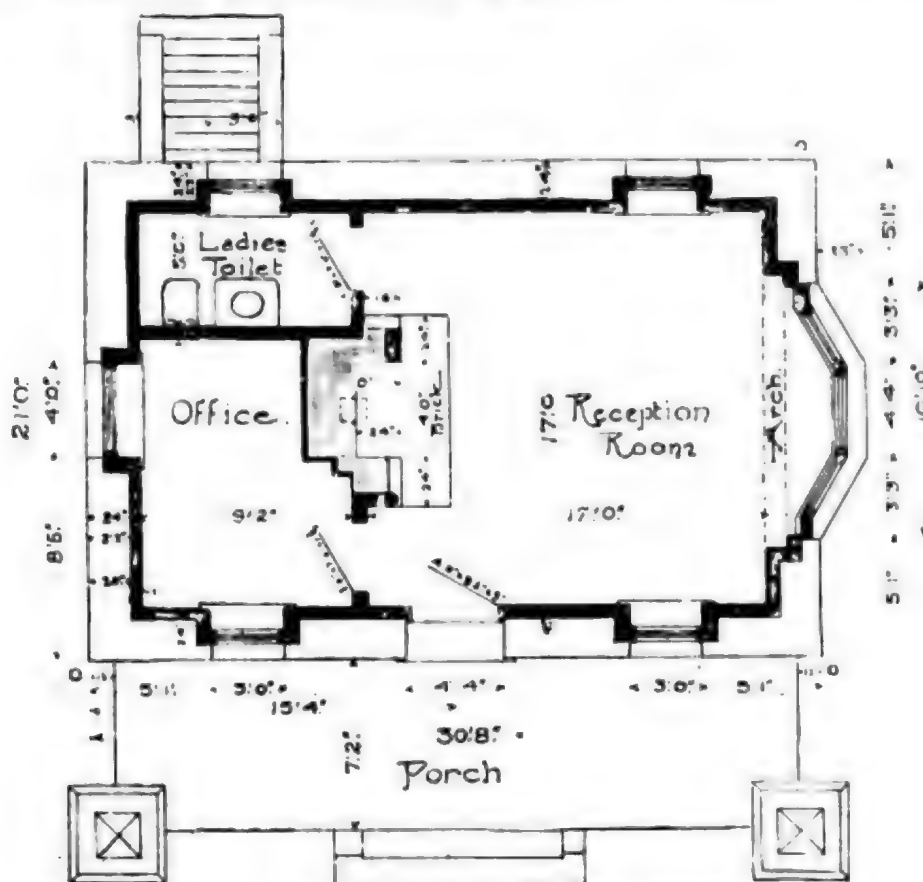


GATE LODGE, RIVERSIDE CEMETERY, NORWALK, CONN.

CEMETERY LODGE, NORWALK, CONN.

The Gate Lodge at Riverside Cemetery, Norwalk, Conn., is built of granite with brown stone trimmings, and has ground dimensions of 21 feet by 30 feet, 8 inches. The porch, which ornaments the front, is seven feet wide, and has corner posts of granite. The woodwork is of North Carolina

pine throughout, and the total cost of the building was \$3,200. It was designed by Architect A. N. Paddock, and built by Mather & Waldron. It was finished last August and makes a neat and attractive addition to the cemetery, which will be still further enhanced when the planting has proceeded farther.



PLAN OF LODGE, RIVERSIDE CEMETERY, NORWALK, CONN.

Scale, one-quarter inch=two feet.

MONUMENTAL NOTES

The monument to mark the site of old Fort Armstrong at Rock Island, Ill., was recently unveiled by the D. A. R. of that city. It is nine feet high, built of native stone, and is surmounted by twenty eight-inch cannon balls.

A bronze tablet now marks the spot where the body of President McKinley lay in state in the City Hall in Buffalo. The tablet bears forty-five stars and an inscription reading as follows: "Here lay in state the body of William McKinley, President of the United States, September 15, 1901."

The importations of marble statuary into Germany for the year 1900 were valued at \$518,000, 65 per cent coming from Italy as rough stock. Many German sculptors, however live in Rome, so that much of the imported statuary is really of German production.

The Ohio State Archaeological and Historical Society recently erected a monument on the Serpent Mound, one of the famous relics of the Mound Builders in that state. The monument is conical in form, 15 feet high, and is constructed from Vermont granite. Descriptions of the Mound, and historical facts concerning it are inscribed on the memorial.

A memorial cross is to be erected in memory of Scotch Highlanders who fell with General Wauchope at the battle of Magersfontein. It is to be 17 feet high, and will be cut from one piece of gray granite, and covered with carved interlaced work. It is to stand on a Kopje overlooking the battle-field and will be erected by MacDonald Limited, Aberdeen.

A monument to President Paul Kruger was in course of erection in South Africa when the war broke out. The foundation of hewn stone, covering 36 square feet of ground had already been erected, and the principal figure, a statue of President Kruger had been delivered at Lorenzo Marques. The other figures representing typical Boers, are still in Holland, and are the work of the Dutch sculptor, Van Wouwe.

General W. M. Reilly, who recently died in Philadelphia left a will providing for the erection out of the income of his estate of a granite mausoleum to cost \$25,000 in North Laurel Hill Cemetery, bronze statues of Generals Lafayette, Montgomery, Pulaski and Steuben in front of Independence Hall, and statues of Generals Wayne, Greene, Sumpter and Morgan, and of Captain Paul Jones in Independence Square.

A Celtic cross, 27 feet high, cut from blue-gray Indiana limestone is to be erected on the family lot of Judge Andrew Hamilton in the Albany Rural Cemetery. The cross will be adorned with elaborately carved strap work, and symbolic representations of the four Evangelists. It is to cost \$14,000, and is now being carved by John Frances Brines, of New York City. The design was by Marcus T. Reynolds, of Albany, N. Y.

Plans for the combination monument and memorial hall to be erected at Columbus, O., have been adopted by the Soldiers' Sailors' and Pioneers' Monument Association. The building is to be 40 feet square, built of Bedford stone, and will have a surmounting statue 15 feet high, and a group of bronze figures

at each corner of the building. It is to be two stories high, finished in marble and bronze and will cost \$47,000. The plans are by Architect Frederick Noonan, Hamilton, O.

A cemetery devoted to dogs, cats, and other domestic animals, is said by the Strand Magazine, to be located on the Ile des Cheins, or Island of Dogs, in the Seine river, near Paris, and is reported to contain a number of elaborate memorials to deceased canine pets. It is managed by the Dogs' Burial Co., and has proven a distinct success, since the law requires that dogs shall be buried but provides no cemeteries for them. The tombs are of many shapes and sizes and a few of them are elaborate in design. One of the most imposing is the monument to Barry, a great St. Bernard rescue dog who is credited with saving many lives, and losing his own in trying to save another while in the service of the hospice on Mount Bernard. Another is a stone image of a pet dog Jappy, surmounting a pedestal of boulders inscribed with the following quotation from Pascal: "The more I see of men the more I love my dog." The canine population of Paris is estimated at 150,000, with a death rate of 21 per cent, or about 18,000 yearly.

A South African Memorial.

The accompanying illustration shows a monument erected by Alexander Forbes-Leith, of Aberdeenshire, Scotland, in memory of his son and other soldiers who fell in the South African war. The statue and pedestal is of Italian marble, and the bottom base of native granite. It is 20 feet high, stands in the cemetery at Newcastle, Natal, South Africa. It was erected by John Smith & Son, Durban, Natal.



A SOUTH AFRICAN MEMORIAL.

The new high altar for St. Vincent's Church, South Boston, Mass., has an elaborately sculptured canopy, arched over a painting of the crucifix. The canopy is supported by columns of violet Brescia marble surmounted by capitals ornamented with birds and animals. The lunette of the arch has a sculptured design grouped about the central figure of St. Vincent. On each side are angel figures, of a highly decorative character, in harmony with the general effect of the altar which is designed in the Byzantine style.

The monument recently erected by the Livingston County, N. Y. Historical Society in memory of Explorers Boyd and Parker, who were slain by Indians near the head of Conesus Lake, consists of a simple shaft ten feet high, mounted on a foundation of stone. The four sides of the die bear inscriptions, recounting part of the story of the massacre of the party by the redskins.

Some Women Marble Cutters.

WHEN Tennyson wrote, "Man for the field, and woman for the hearth; man for the sword and for the needle she," he could not have foreseen how soon this statement would need revision. Man has



MISS L. J. DANIEL.

well nigh deserted the sword; woman's needle is now driven by machinery, and in her search for new fields of action, she has invaded many trades and professions that were formerly regarded as the sole prerogative of man. Women in mercantile establishments and business offices no longer excite comment. Chicago

has some women bank tellers, and every one of the professions has its women representatives, and the census strenuously announces that there are some women blacksmiths. THE MONUMENTAL NEWS has recently been trying to discover how many women are identified with the arts and crafts tributary to the marble and granite industries, and while the returns have not been by any means complete, we present on this page some evidence of the fact that woman is deserting the needle and taking up the chisel. It is well-known that there are a number of women sculptors who have achieved national prominence in their art, and one of whom is a member of the National Sculpture Society. Consequently our efforts were directed toward discovering some women marble cutters and

carvers, and we have thus far succeeded in finding only three. This leads us to believe that the women connected with the trade are either scarce, or are of a more retiring disposition than their sisters in other walks of life, and we urge the timid ones to send along their photographs at once.

The young ladies introduced on this page are all experienced and reliable in the work of ornamental carving, lettering, and tracing, and express themselves as well satisfied with their work.

Miss Lucy J. Daniel, of Exeter, Mo., was born in Carter county, Ky., and learned the marble business with her father, who was in business at Charleston, Ark., and at Springdale, Ark., before moving to Exeter, Mo. She has had a long experience in the trade, having taken full charge of the shop in 1885, when she also began lettering. She does all of the lettering and some of the cutting and rubbing, and reports a good and growing business. She has recently been investigating homestead claims in western Kansas, and contemplates retiring from business and moving out there.

Miss Alice E. Rigg is a Canadian girl, and acquired her first experience in the shop of her father, Geo. Rigg,

at Windsor, Ontario. She cut her first inscription seven years ago, and has since become a valued assistant in her father's business, and it is sufficient testimony to her skill to say that customers continue to be pleased with her work. She does not do stone cutting or the heavier work of the shop, but is an adept at carving, tracing, lettering and all ornamental work on granite and marble. Miss Rigg does much of her carving from original designs of her own, and has become so skilled in this line that her drawings for carved work are in demand by out of town workers, and she is reputed to be the most skillful marble carver in Windsor, where her work is in great demand. Our illustration shows an excellent likeness of her in working costume.



MISS ALICE E. RIGG.

Miss Pearl Sams, of Great Bend, Kansas, also learned to handle the mallet and chisel under the instruction of her father, W. J. Sams, who is a veteran monument man of thirty years' experience. She writes that she began at the age of seventeen, and has been at the trade over seven years, thereby revealing what is commonly supposed to be one of the secrets of the sex. She received a thorough training in the craft, beginning with frosting, lettering footstones and small slabs and proceeded gradually to the better class of work. For the past three years she has been doing the best of lettering and tracing, and can cut an inscription as quickly and as thoroughly as the average man in the trade. She does not do heavy cutting or polishing, but considers

herself master of the other branches of marble cutting. She says: "I love my trade and expect to follow it as long as my name is Miss Pearl Sams."

There are a number of women who are successfully managing businesses formerly conducted by their husbands, but very few of them do the actual work of cutting.



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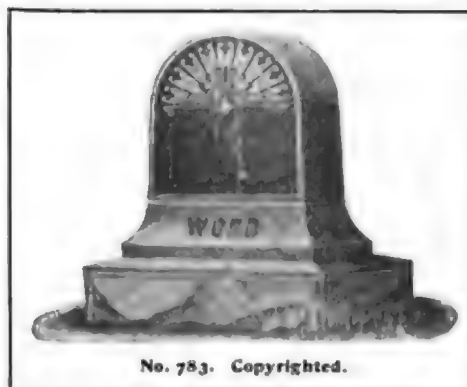
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RECEIVING VAULT, HULL, MASS. DESIGNED AND BUILT BY JOHN R. RICHARDS, QUINCY, MASS.

RECEIVING VAULT, HULL, MASS.

The town of Hull, Mass., has built a substantial and artistic side hill receiving tomb, which, in addition to its ordinary purposes, will be used for receiving bodies of ship-wrecked sailors. It occasionally happens in winter that a dozen or more dead sailors are washed ashore, during one storm, as was the case in the gale of Nov '98. They are held at the morgue as long as possible and then buried in the potters field, where hundreds of unknown seafaring men are interred. The tomb is centrally located in the cemetery with an entrance from the main thoroughfare leading to Nantasket. It is of Grecian style, 23 feet square and 25 feet high.

The exterior is of medium dark Quincy granite, the lower courses showing a rustic finish with pilasters bearing Corinthian capitals flanking the door, which is one piece of granite with polished face and ornamental bronze hinges. Above the door beneath the inscription, is an acanthus design carved in bold relief, and an acanthus border ornaments the frieze. A polished urn and a carved rope form the other decorative features.

The interior is of white glazed brick with an arched roof, and the walls are two feet thick, set on a masonry foundation seven feet deep. The vault was designed and built by John R. Richards, South Quincy, Mass.

THE JEFFERSON MONUMENT—A CORRECTION.

In our account of the Jefferson monument at Louisville, Ky., last month, we were led through an error in our information to give credit for its erection to the Quincy Granite Quarries Co., Quincy, Mass., when it should have been given to the Harrison Granite Co., Barre, Vt., and we therefore gladly give space to the following letter, which is self-explanatory:

We note in your January issue that you give us credit for having furnished the Thomas Jefferson monument described on page 19. While we appreciate the mention made, credit for the work should be given the Harrison Granite Co. of New York, who sold and erected the job and on whose order we furnished it, and if you will kindly give this communication space in your next issue you will confer a favor on, Yours truly,

THE QUINCY GRANITE QUARRIES CO.

DUTIES ON IMPORTED STATUARY.

In the case of Townsend & Townsend (now Townsend, Townsend & Co.) versus the United States Government, the Circuit Court at New York recently decided that some marble cemetery statues, which the firm had imported from Italy, were dutiable at 20 per cent as "statuary," and not at 50 per cent as "manufactures of marble," as the custom-house authorities had classified them. The government appealed the case, and the Circuit Court of Appeals has just rendered a decision confirming that of the lower court against the government.

The attorney-general has advised the treasury department that no further proceedings be taken in the case, and the duties exacted in excess will be refunded. Congressman Crumpacker has introduced a bill into Congress providing that works of art shall be admitted free of duty.

A 9 ft. base job
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Rock Island, Ill.



This monument
is all polished
from ground to
top except name
and carving
around cap.

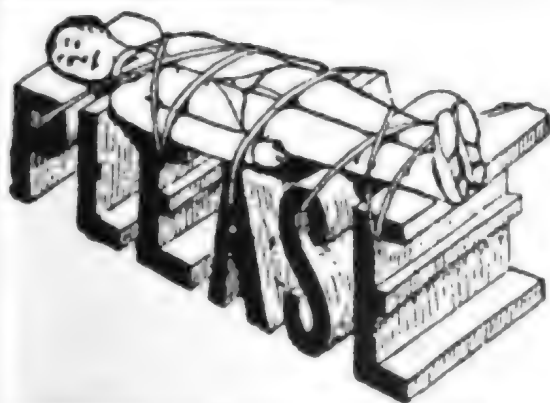
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We would call the careful attention of the Trade to our 1902 Price List, which will be mailed about January 1st.

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● MORE OPINIONS ON FREIGHT RATES. ●

Pledges to the proposed fund for entering a vigorous protest against the existing freight rates on finished monumental work continue to be received. Western dealers, with an occasional exception, are particularly in earnest on this subject, yet it is very evident that they look to the New England manufacturers and wholesale dealers to bear most of the burden. It is expected that the matter will receive some attention at the forthcoming annual meeting of the New England Granite Manufacturers' Association to be held in Boston. The co-operation of this and similar organizations in the East is essential to the success of the movement.

* * *

Your editorial in the December number is on the right track. The quarriers and manufacturers should take the matter in hand in earnest, as no doubt in some sections the exorbitant freight rates materially reduce their output.—A. C. BEST, Princeton, Ill.

* * *

Last spring, when rates were advanced by eastern roads, I had some considerable correspondence with some of them over which my shipments go, but with no satisfactory results. They did not seem inclined to make any concessions. I, for one, would be ready to co-operate with others in trying to secure a reduction of rates, and there is no question but what all the other companies located here would do the same.—D. J. WHITNEY, Gouverneur, N. Y.

* * *

We have been protesting for two years against the outrageous extortion of the railroads. Unless we can get more equitable rates we will move our plant to Wheeling, where we can get some relief, at least. We trust that the action of the Southeastern Association is the entering wedge to fairer treatment.—STEWART GRANITE WORKS, Mannington, W. Va.

* * *

It has been stated that certain railroads are in favor of lowering their classification but are prevented from doing so by reason of their being outvoted by other roads. Why can not we ascertain what roads are willing to make satisfactory rates and then let all dealers stand loyally by these roads, and "boycott" all opposing lines. I would suggest that dealers where practicable to do so transfer all of their shipments to some road other than the one they have been in the habit of patronizing, and make known the fact that the change is made because of failure to get justice in the way of rates. A systematic effort along this line would, I believe, work a speedy and satisfactory solution.—GEO. F. SHEPARD, Omaha, Neb.

[This suggestion might be feasible were it not for the pooling practiced by railroads, which makes them proof against boycott.—E.D.]

* * *

We dealers who are comparatively but a short distance from the quarries, or points of supply, are not troubled, I expect, as those further away, where the freight charges amount to something serious. We have an occasional sample of the unfairness and inconsistency of the railroads, such, for instance, as their increasing the freight rate from Barre to this point and others, several cents per hundred as soon as navigation closes on the lakes, and they are freed from that competition. Of course it costs them no more to transport their freight during the period of increased rates than at other times. They simply can hold up shippers, and they do. No doubt these conditions are very much more aggravated to Western points than to this place. I read your editorial in the December num-

ber, and the plan outlined there would seem to be as good, perhaps, as could be adopted. While shippers are practically helpless, yet there seems to be but one thing to do, and that to continue the fight and make the railroad people as unhappy as possible, in the hope of getting some good out of it. The public never will get fair treatment from the railroads until the government takes control of them, and this I hope to live to see, although I don't expect to. If an individual, or a number combined, succeeded by legal means or moral suasion in remedying injustice today, railroads will do something tomorrow that will necessitate its all being done over again. Some two years ago the Boston & Maine railroad very suddenly made a reclassification of monumental work, which increased the cost of transportation several cents per hundred weight. They maintained this classification for several months, in spite of the earnest protest of shippers, and then decided that it was unjust or unwise, and restored the old rates. I made a demand for reimbursement to the extent of their extra charges on my freight shipped during the time that the higher rate obtained, as by their position they admitted that the extra cost never should have been enforced. I didn't expect they would reimburse me, of course, but I wanted to put them in a position of refusing to do a fair and just thing. I mention this simply to show how completely they are in control of the situation.—W. F. COOK, Springfield, Mass.

* * * Takes a Different View.

Having received numerous letters in the past year or two containing petitions for lower freight rates with requests to sign and return, which I have ignored so far, has caused one of the senders to propound the following: "Am I to infer that you are satisfied with the present freight rates?" My answer is *No, they ought to be higher*. My reason for this opinion follows. For years efforts have been made by the trade toward its upbuilding. Associations have been formed for the purpose of holding prices up, doing business on business principles, etc., with what success? The objections of a large number of the retail dealers of the country against a slight advance in freight rates of two years ago, would indicate that they were selling work on too close a margin. Have perused letters published in the trade journals, written by retail dealers, saying they will have to quit business, and would sell out in a minute if they could, unless lower freight rates are obtained. Such men are too weak-minded to be in business, and I believe another raise in rates would put them where they belong, out of business. The railroad companies will lower rates when they see it is to their interest to do so. They are in a better position to know when that time comes than we are. The trade journals say there is more business at the eastern quarries than ever before. Some jobbers sent out circular letters in November, from which I quote: "The present demand indicates that but few spring orders can be accepted by Barre manufacturers after January 1st." From a trade journal I cull the following from Quincy, Mass., "The end of the year finds business in this city far in advance of that at any corresponding time in the history of the trade." From other granite centers one company says, "we are unable to keep pace with the demand." Another, "It is rumored that a number of new quarries will be opened in this vicinity in the near future." Now, does this indicate that business is falling off in the east on account of increased freight rates? It occurs to me, that if the wholesale marble and granite interests of the country would expend the same amount of energy and money in trying

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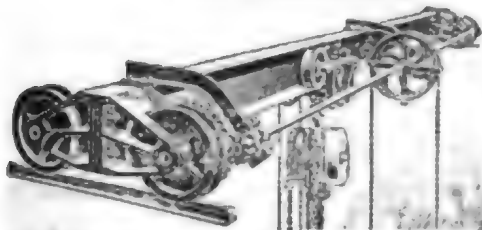
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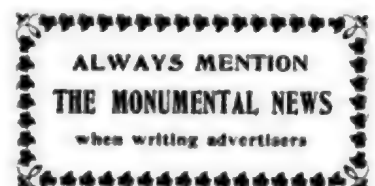
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Freight Rates (Continued).

to influence the retail dealers to hold up prices, that they are now putting forth to lower freight rates, more favorable results would be obtained. Therefore, I say, give us higher freight rates, and force the dealers who sell work at any price to do business as men or quit.—E. A. BITTEL, Marysville, Kan.

As we buy granite only in the rough, that rate not having been advanced, the higher rating on finished work, works no hardship to us. The present classification performs two functions which are beneficial to the trade. It favors home industry and is an inducement to develop our western quarries. There is no question but that the rates on granite are exorbitant in comparison to the rates on other goods, but the rate on rough granite is a greater injustice, than on finished work. In ordering rough granite the sizes run over a great deal. On a single shipment just arrived, the weight is 320 pounds to the foot, on account of the superfluous stock. The rate from Barre is 22c., which makes 70c. per cubic foot, whereas the freight on finished work is 26c. from Barre. If this granite were dressed, it would only be 42c. per cubic foot, figuring one foot of dressed granite at 163 pounds. On monuments, where there is a great deal of work, the difference in freight is but a very slight percentage of the cost of manufacturing, but on plain work and building work, the local manufacturer can not compete with the Eastern manufacturer on account of the existing freight rates, which as shown above, are in the latter's favor. We believe in dealers doing their own cutting; in this way the dealer individually, and the western trade at large, will be more independent. We have advocated this theory for the last twenty years, and are at present employing 27 men at our Milwaukee plant. There is good material for carvers and sculptors in every community, and it ought not to be necessary, in order to bring out these qualities to send these men a thousand miles away from their homes. Art can best be fostered and furthered, if practiced at home. We sanction any means and methods to bring about this result, and condemn any move contrary to these ends.—OTTO RATHMANN, Milwaukee, Wis.

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Plates in Photogravure Edition.

(Formerly The International Edition).

- NO. 607. MONUMENT TO COMPANY "I," FIRST Nebraska Volunteers. Erected in Prospect Hill Cemetery, Omaha, Neb., by G. F. Shepard, Omaha. Height, 21 feet; base, seven feet square; weight, 19 tons. The pedestal is of Barre granite, and is surmounted by a bronze statue of a soldier. The inscription contains a list of the members of the company and of the engagements in which it participated.
- NO. 608. THE ATTENDING ANGEL, METHUEN, MASS. By William Couper, Sc.
- NO. 609. THE MCELVEEN VAULT, ASHEVILLE, N. C. Erected of pink Tennessee marble by the Southern Monument Co., Knoxville, Tenn.
- NO. 610. DESIGN FOR MONUMENT BY JAS. F. PRICE. Sizes: Base, 3' 2" x 2' 9" x 1' 1"; Base, 2' 2" x 1' 9" x 0' 10"; Die, 1' 9" x 1' 4" x 2' 5"; Cap, 1' 10" x 1' 5" x 1' 4"; Height, 5' 9".
- NO. 611. DESIGN FOR SARCOPHAGUS MONUMENT, by R. C. Blockson, Boston, Mass. Sizes: Base, 7' 0" x 4' 10" x 0' 10"; Base, 5' 0" x 2' 10" x 0' 10"; Die, 4' 2" x 2' 0" x 2' 0"; Cap, 4' 2" x 2' 0" x 2' 0"; Height, 4' 8".



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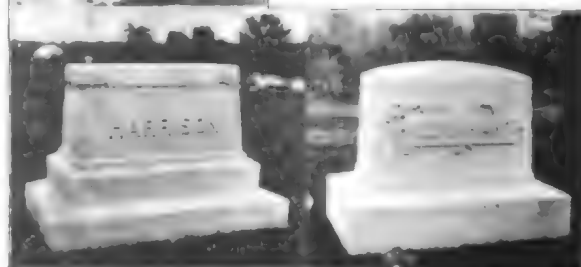
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COLUMBIAN MARBLE

AWARDED GOLD MEDAL AT PARIS EXPOSITION, 1900.



Our new mill and twenty-ton traveller completed last August which doubled our facilities, we concluded would not be sufficient to take care of our increasing business, and we have just contracted for another new mill, additional power and extension of traveller, which will be completed February 1st. This, with our increased quarry, will put us in position to furnish 20,000 cu. ft. sawed marble per month.

You can increase your business in the same proportion by using the celebrated COLUMBIAN and ROYAL BLUE Marbles. We give prompt service. Send us a sample order. Western dealers will please address No. 36 LaSalle Street, Chicago. Edward MacLane, Mgr.

COLUMBIAN MARBLE QUARRYING COMPANY,

Dealers in BLOCK, SAWED AND FINISHED MARBLE,
RUTLAND, VERMONT.

THE QUINCY GRANITE QUARRIES CO. QUINCY, MASS.

Promptness in filling orders is worth money to a dealer in booming times. This is a boom year and we have spent over \$100,000.00 getting our properties in shape for it. We don't promise miracles, but we do agree this year to handle orders promptly. We produce more high-grade granite than all other quarries in Quincy combined. We are ready to furnish anything from a marker to a twenty-story building. We are the

LARGEST PRODUCERS

of Monumental Granite

IN THE WORLD.

Estimates cheerfully furnished on anything manufactured from Quincy Granite.

What Tends Most to the Success of a Retail Dealer?

Multum in Parvo.

To be successful keep your credit good. Carefully consider the value of your time, paying strict attention to your own business. Conduct your business on the merits of your own workmanship. Keep the respect of your employees. Be temperate in all things. Be honorable and upright in all your dealings.—PETER C. FOLEY, Olean, N. Y.

* * *

The Four Essentials to Success.

In this age success is judged too often from surface indications. The man who "blows a loud trumpet" or "cuts a wide swath," a "hustler" for the time being, is frequently credited with a success that time alone shows was at the expense of unfortunate creditors.

The story of the "hare and the tortoise" is very applicable to the point in question, and the one who "gets there," and stays there is surely a success.

There are many considerations which make success assured for the retail dealer, and without which he cannot hope to attain this end.

First. He must have a reputation that will bear inspection. What he says must be true. Like a witness in court, he must "tell the truth, the whole truth and nothing but the truth," if he tells anything. But sometimes "silence is golden," and of this he must be the judge. Then,

Second. He must be a man of judgment, tact and observation. He should know his customer at a glance, or he may waste hours of fruitless endeavor and all the success he reaps is that "old, old story:" "I'll see you again,"—but he never sees him.

Third. To the above qualifications must be added knowledge and skill, a knowledge of the quality of work, or a skill to personally execute it. Then, when he has it made so that it will please himself it will be very apt to please his customers.

Fourth. He must have the energy necessary to banish all fear of a rebuff, and with judgment and tact to parry it off, if it should come, and with that same energy applied to the filling of orders received, I am sure he can go on the even tenor of his way, not a flitting flash of success but a permanent success that will make "his last days his best days."—I. H. KELLEY.

* * *

Honesty and Energy.

In my opinion, there are two prime requisites, on which depend the success of every retail dealer. These are honesty and energy, the latter commonly known as "push." Around these two requisites and springing from them are clustered many minor qualities. The dishonest dealer can never succeed. Nevertheless the honest man will often get discouraged and feel like quitting the business, while his dishonest neighbor is seemingly prosperous. So he often prospers, but how long? Just so long as it takes his dishonesty to assert itself through his poor and dishonest work. In many cases this is not very long; of course, there are exceptions, and the dishonest man may prosper for quite a while, but in the end failure is certain.

The dealer who would succeed should be truthful and never slander his honest competitors. If your competitor is an honest man, let it be known, and show your customers, in a business-like way, the advantages you have over him, in stock, workmanship, handling work, location, and consequently in saving them money. But if your competitor is known to be a rascal, do not hesitate to prove it; the sooner the better.

Now, as to energy, that qualification so necessary to success. The successful man must have energy. In this age, when competition is so sharp, one must be up and doing, ever ready to be borne quickly along on the flood-tide, that tide in the affairs of men, which "when taken at the flood leads on to fortune."

The successful dealer should always keep his name before the public in a live advertisement in the local papers, and by sending out circulars and artistic pamphlets at intervals throughout the year. He must cater to the wants of the people, and keep a clean, neat shop, a stock of up-to-date work, and as fast as his means will allow add all the labor-saving devices and methods to his plant to enable him to hold his place among his competitors.

He should subscribe for the best trade journals and magazines so as to keep posted on the current events of the trade.

The honesty, energy, and taste of the retailer should be shown in his design case, which should hold an up-to-date kit of designs and samples; in his shop, by having a comfortable shop full of first-class stock, and in his workmen, by having a force of honest, first-class, well-paid workmen. If a retail dealer is in this condition, and sticks to his word, he need never worry about success, for it will inevitably come to him.—THOS. P. O'TOOLE, Liberty, Ind.

* * *

Confidence and Systematic Management.

Have confidence in the business first, next have explicit confidence in yourself. Have a well located salesroom and office and a well selected stock of a large variety. Believe and endeavor to have customers believe that any good marble or granite is good. Employ one or more reliable agents to sell your goods; do not depend on shop sales; if you chance to have them consider it good luck. Advertise in localities where you do work, notice in newspapers good sized memorials erected, and keep an indexed list of prospective customers by locality. Remember while the business is naturally slow it is capable of bearing the expense incurred by other lines of trade, and the sooner you realize that the sooner you will make money, which is the desired success. Be honest; if you are not your customers will know it for "actions speak louder than words." Explain every detail and do not use deception. With a new customer plain talk seems at first exacting and strict, but it will give confidence, which a business now must have. Remember, a customer would rather buy of a man that is prosperous and doing business than of a hanger-on, who does what he can himself and only earns expenses. Any salesman in the trade should be neatly attired and his demeanor should be devoid of merriment, but he should never depend on mentioning the deceased as a help to obtaining an order. Your reputation as a moral man in every respect is of great weight in the memorial trade, and it is of the highest importance that your manner be that of a gentleman. Take trade journals; look over every circular you get concerning the trade and keep abreast of the times. Be original in designs and ideas; it gives confidence as customers choose to deal with men who understand their business. If you give time, take notes in settlement and interest on same. With your salesmen have a system and follow it closely. They will like it best, and you will surely. Sell no job at a loss. Success depends on profits.—HENRY B. VANDERCOOK, Grand Rapids, Mich.

Maguire & O'Heron, QUINCY GRANITE

Works, One Mile from Quincy Quarries.

EAST MILTON, MASS.

Stop!

When you come to this. Get a move on and *extricate* yourself from the slough of *wholesalerism*. If you want good, reliable work go to the producer of such an article, not to a middleman. He will save you his profit. Think this over and send for your next estimates to

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QUINCY. - MASS.

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Producers and
Finishers of...

Dark Blue Northern New York Marble

Also operating in connection the quarry and plant of the EMPIRE MARBLE CO., with unexcelled quarrying facilities and well equipped manufacturing plants, we are prepared to furnish promptly the best

DARK BLUE MARBLE

Sawed and finished in a most satisfactory manner for

MONUMENTAL AND BUILDING PURPOSES.

SEND FOR PRICE LIST OF FINISHED MONUMENTS.

THE KENNESAW MARBLE CO.

GEORGIA AND ITALIAN MARBLES

SAWED STOCK AND FINISHED
MONUMENTAL
WORK.

CONTRACTORS FOR
INTERIOR DECORATION IN MARBLE
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BUILDINGS AND MAUSOLEUMS.

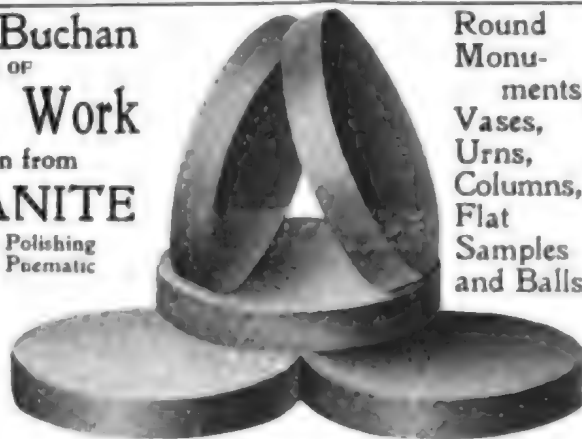
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MANUFACTURERS OF
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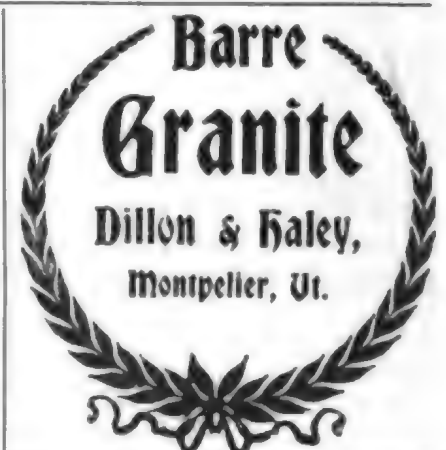
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PROPOSED MONUMENTS

Washington, D. C. The following bills calling for appropriations for the erection of monuments have been introduced in Congress, in addition to those mentioned last month:

By Senator Gallinger. A bill appropriating \$2,000 toward the erection of a granite statue to the memory of Gen. James Miller, the hero of Lundy's Lane, at Peterboro, N. H.

By Representative Cowherd. A bill appropriating \$17,500 for the purchase of a bronze portrait statue of George Washington, to be placed in statuary hall in the Capitol building or in the Congressional Library building.

By Representative Cowherd. A bill for the erection of a monument in memory of Union and Confederate soldiers who fell at Lonejack, Mo., appropriating \$20,000.

By Senator Penrose. A bill authorizing the Secretary of War to procure the colossal group of statuary known as "The Indian Buffalo Hunt," by Henry K. Bush-Brown, of New York, to be cast in bronze and placed on a pedestal, at a price not exceeding \$50,000.

By Senator Foraker. A bill providing for the purchase of a bronze statue of "The Minute Man," to be erected in Washington, D. C., appropriating \$17,000 for purchase from the artist, Melva Beatrice Wilson.

By Senator Hale. A joint resolution appropriating \$10,000 for the erection of a monument to the memory of Dorothea Lynde Dix, at Hampden.

By Senator McMillan. A bill providing for a commission to consist of the chairman of the joint committee on the library, the Secretary of State, and the Secretary of War, to secure plans and designs for a memorial arch in honor of the late President McKinley. The commission is authorized to obtain, by any form of competition which may seem advisable, plans, specifications and models, at an expenditure of not more than \$25,000.

By Representative Jones. A bill appropriating the sum of \$50,000 for the erection, at Fredericksburg, Va., of a monument to the memory of President James Monroe, surmounted with a life-size statue representing him holding in his hand a scroll bearing the words, "The Monroe Doctrine."

By Representative Griffith. A bill for the erection of a monument or memorial building at the scene of the Lochry massacre near the mouth of the Laughery Creek, Indiana, appropriating \$20,000.

By Senator Turner. A joint resolution authorizing the Secretary of the Navy to have a monument erected in the Naval Academy at Annapolis, Md., to the memory of Lieut. P. V. Lansdale and Ensign J. R. Monaghan, U. S. N., and the men who lost their lives in battle in Samoa in April, 1899; appropriation, \$5,000.

By Representative Schirm. A bill appropriating \$12,000, authorizing the architect of the Capitol to erect in the Capitol building six circular bronze tablets four feet in diameter, each to commemorate one of the six great naval victories of this country, as follows: The victory of the Bon Homme Richard over the Serapis, in 1799, John Paul Jones commanding; the victory of the Constitution over the Guerriere, off the coast of Massachusetts in 1812, Captain Isaac Hull commanding; the victory of the Constitution over the Java, off the coast of South America in 1812, Commodore William Bainbridge commanding;

the victory of the fleet of the United States over a fleet of British vessels in Lake Erie in 1813, Capt. Oliver H. Perry commanding; the victory of Manila Bay, May 1, 1898, by Commodore Dewey; the victory of Schley at Santiago, July 3, 1898.

By Representative Thomas. A bill to appropriate \$10,000 to enclose and beautify the grounds and repair the monument on the Moore's Creek battlefield, North Carolina.

By Representative Cassel. A bill appropriating the sum of \$50,000 for erecting in Lancaster county, Pennsylvania, a monument, with appropriate inscriptions, to commemorate Thaddeus Stevens, a former member of the House of Representatives.

The Secretary of the Treasury has submitted to Congress an estimate of \$15,000 for the preparation of a site, erection of a pedestal, etc., for the statue of Rochambeau in the city of Washington, D. C., with the request that the same be provided in the urgent deficiency bill now under consideration. The sundry civil act approved March 3, 1901, appropriated \$7,500 for the purchase of a replica of the bronze statue of Rochambeau by Ferdinand Hamar. The French embassy is desirous that this statue should be dedicated on May 24, 1902, the anniversary of the day on which Rochambeau, at the age of 17, entered the French army.

Wilmington, Del. The McKinley Monument Association has been formed for the purpose of erecting a monument to the late President in this city. A sub-committee with Mrs. Elizabeth Clarke-Churchman as chairman, has been appointed to secure designs.

Freeport, Ill. The Freeport Woman's Club is engaged in raising funds for the erection of a monument to mark the spot where the famous Lincoln-Douglas debate was held.

Pittsburg, Pa. The Colonel J. W. Patterson Post, No. 151, G. A. R., is to erect a monument to soldiers of the Civil War on its plot in the South Side cemetery. The Post has recently added 34 lots to its plot.

Springfield, Mass. A sub-committee has been appointed to secure designs and let the contract for the memorial to be erected here to President McKinley. The monument is to cost \$15,000, and the committee will shortly ask for models from several well-known sculptors.

McMinnville, Tenn. A movement has been started here for the erection of a monument to the Confederate dead of Warren county. It is proposed to erect a shaft to cost not less than \$2,000 and to stand in the park opposite the court house. The funds will be raised by popular contributions and entertainments. The county furnished 1,500 soldiers to the Confederate forces in 1860.

Brooklyn, N. Y. The Teachers' Association is raising funds for the erection of a monument to late Superintendent of Schools Ward. The plan is for the teachers to contribute one-half of one per cent. of their annual salary, and the rest to be raised by popular subscription. Dr. Boughton, of the Erasmus Hall High School, is chairman of the committee appointed to arrange for the collection of the funds.

Philadelphia, Pa. Competitive designs for the monument to soldiers, sailors and marines of the Civil War have been advertised for by the committee in charge. Designs must be submitted before March 3, 1902. Printed programs of competition will be furnished on application to Gavin Neilson, clerk of committee on soldiers' monument.

Carlisle, Pa. Drawings and specifications for the monument to Governor Ritner to be erected in Cumberland county, Pa., will be received by the following committee before February 15, 1902: W. A. Stone, Governor, E. W. Biddle, W. E. Miller. The memorial is to cost \$2,500.



THE WINSLOW
BROS. COMPANY
CHICAGO.

ORNAMENTAL IRON
AND BRONZE.

Bronze Statuary Department

UNDER SUPERVISION OF
MR. JULIUS BERCHEM.....

MONUMENTAL BRONZE STATUARY,
BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.



Mausoleums, Statuary, Monuments

IN BLUE, PINK
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WESTERLY GRANITE

FROM OUR OWN QUARRIES.

JOSEPH NEWALL & CO., Dalbeattie Granite Works
WESTERLY, R. I.

Correspondence Solicited from Dealers Desiring First-Class Work.

: Notes of Retail Dealers. :

ARIZONA.

The new mines being opened and the steady growth of towns makes the outlook for business in Arizona very encouraging," writes M. W. Jones, of Tucson. Mr. Jones is familiar with the marble deposits of Arizona and believes they will be extensively worked in time.

CALIFORNIA.

A. Paltenghi & Co., 1219 Market street, San Francisco, have sold out to Thomas Maino.

Daniel & Pancoast succeed John Daniel & Co., at San Francisco.

Timothy O'Neil and T. O. Smith, of the Western Granite & Marble Works, San Jose, have withdrawn from the firm. This firm has the contract for the erection of a receiving vault to cost \$15,000 for Oak Hill cemetery in that city.

CANADA.

William H. Cunningham, a dealer of Montreal, Quebec, and a former alderman of that city, died January 6 of heart failure. Mr. Cunningham was 61 years old, and had been in the marble business in Montreal since 1849. He was twice elected alderman, and declined the nomination for a third term. He was a member of the Council of Arts and Manufactures for the province, a member of St. Patrick's Society, and prominent as a citizen and business man.

CONNECTICUT.

Charles J. Hughes, Bridgeport, has moved his plant to 300 Stratford avenue, owing to the tearing down of his old building to make way for railway improvements.

The contract for the erection of the monument to the First Connecticut Heavy Artillery, has been awarded to Stephen Maslen, of Hartford. It will consist of a mortar mounted on a granite base, and is to be dedicated next September.

ILLINOIS.

Knox & Lynch have purchased the stock of marble and granite of N. C. Hinsdale at Danville.

The Henry Marble Co. has been incorporated to do business at Chicago with a capital stock of \$24,000. The incorporators are: Frank Henry, W. T. Payne, and Willis H. Halvey.

William Outhouse, Elgin, has the contract for a soldiers' monument of Barre granite to be erected at St. Charles, to cost \$1,500.

The Grindol Marble Works, of Decatur, are making extensive improvements in their plant, including the doubling of their polishing capacity.

Joseph V. DeLess, of Clayton, reports a good trade in marble and Minnesota and Missouri granite for the spring, and authorizes a contribution to the freight rates fund.

The Modern Marble and Granite Works, McGuilvery & Stiles, has removed from Sterling, Ill., to Carthage, Mo.

John W. Bollen has purchased the interest of F. J. Rink, of the firm of Rink & Kilgore, at Geneseo, and the new firm name will be Kilgore & Bollen.

Stephen A. Douglas, Chester, Ill., writes: "Business was fairly good during 1901, and prospects are very good for this year."

C. N. Clark & Co., of Urbana, have just established a new branch at Princeton, Ind., under the firm name of Clark Bros. There are six brothers in the family, all of whom are engaged

in the marble and granite trade, and besides the two plants mentioned, are doing business at Mattoon, Ill., as S. M. Clark & Co., and at Wabash, Indiana, as Clark Brothers. C. N. Clark, the eldest of the six, began in 1880 at Champaign, and later brought up the other brothers in the trade. All of the shops are well equipped for the work and report a good business. Mr. C. N. Clark has recently announced himself as a candidate for sheriff of Champaign county, and expects to be as successful in politics as he has been in the marble business.

INDIANA.

W. J. Connor is a new dealer at Seymour.

E. E. Kassebaum, Tipton, recently commenced business

John A. Schmicker has bought the general stone business of Frederick Thorman at Huntingburgh.

Henderson & Bell, Lafayette, say their business for the past year was better than for years. Prospects very favorable for 1902.

Robert Reed, of Bedford, has bought the plant of the Stinesville Seum Stone Works at Stinesville, and will move it to Smithville, where he has a quarry.

IOWA.

John Smith, formerly of Le Mars, has filed a petition in bankruptcy at Cedar Rapids. Liabilities, \$4,000.

Mr. U. W. Baxter, of Searles & Baxter, Cedar Rapids, was in Virginia last month erecting a fine piece of work for one of the P. F. V.

Wm. Smay, of Nevada, has had a very busy year and reports over \$11,000 worth of work as his output for 1901.

MAINE.

Horace Murch has bought the plant and business of A. W. Libbey at Buckfield.

MARYLAND.

C. Henry Abrams & Co. have removed from 637 West Saratoga street, to 877 North Howard street, Baltimore.

Mr. Ludwig Hilgartner, senior partner of the Hilgartner Marble Co., Sharp and Ostend streets, Baltimore, died of apoplexy on January 4, at the home of his son in Austin, Tex. Mr. Hilgartner was born in Germany in 1832, and had been in the marble business in Baltimore since 1863. He was a Mason, a member of the Germania Maennerchor, and a respected citizen of Baltimore.

MASSACHUSETTS.

S. S. Rider, of Wareham, was visited by a fire which destroyed his marble works and stock, causing a loss of \$5,000, of which \$2,200 was insured. He will rebuild at once.

Owen F. McMahon has bought the marble business formerly conducted by Hugh Dolan at Ware.

W. P. Cook, Springfield, reports having had a fairly good season, with a number of important contracts on hand. He does not think prospects are particularly bright for the future owing to the large number of people who have been using their spare cash to buy busted copper stocks.

MICHIGAN.

A. Black & Son, Grand Rapids, write that their sales for 1901 were larger than in any year of their history, and that they have on hand more contracts for spring delivery than ever before. They are working a full force of men and have a promising outlook for a busy season.

TRADE CONDITIONS IN CANADA.

We are indebted to Mr. D. Taylor McIntosh, secretary and treasurer of the McIntosh Granite and Marble Co., Toronto, Ont., for this interesting summary of business in Canada.

The granite business throughout the Dominion of Canada for 1901 has been on the whole good. Prices have not increased by any means in proportion to the increase in wages, but the volume of business done has been much greater than in any former year. At the moment I cannot recall any failure in the business this year, although we have quite a number doing business, who should not be; men who are not doing any good to themselves and are a detriment to the trade generally.

In the Province of New Brunswick, the manufacturers got together early in the year and formed an association to try to put the business on a better basis and I understand it has been as successful as they hoped for, for a first year. All the manufacturers at St. George have had a busy year with the future outlook good.

In the Province of Quebec business has been exceedingly good in the monumental line. The New Banking building in Montreal for the Bank of Montreal is being built entirely of Stanstead granite, and will be the first all granite building in that city, but we hope will not be the last. It is being cut by the Stanstead Granite Quarries Co. of Beebe Plain. This company has only been in existence two years, but already have nearly one hundred men employed, with every prospect of largely increasing that number next year.

In the Province of Ontario the only trouble we have is low prices; business is brisk. In Manitoba and the North-west business has been extremely good, with prices better than they are with us in Ontario.

The miners' strike in British Columbia this year has naturally affected business, but it is to be hoped that the strike may soon be settled, and business return to its usual brisk state.

The Mosaic Tile Co.

—MANUFACTURERS OF—



Ceramic Mosaic Tile

For Floors and Mural Decorations.

Floors and Wainscots for Vaults a Specialty.

Glaze Mosaic for Mantels, Hearths and Wainscots

Sketches, Estimates and Samples submitted on application.

Zanesville, O.

Write for Catalogue "C."

PLASTILINA

FOR MODELING

IS FAR SUPERIOR TO MODELING CLAY AND WAX.

—Is Pliable.—Shows finest impressions and stays unchanged for any length of time.—Requires no sprinkling or damp covering; does not stick to fingers and may be used over and over again.

Samples and prices on application.

STROHMEYER & ARPE CO.,

33 Water St., NEW YORK.

ACCIDENTS AVOIDED, TIME SAVED

—BY USING THE POPULAR—

SURE GRIP.

Steel Tackle Block.

Best Block in Use for Setting Monuments.

Holds load at any point. The brake has a double grip absolutely automatic and reliable. Cheapest because the best. Price List on application.



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MERRY MOUNT GRANITE CO.

QUARRY OWNERS AND MANUFACTURERS

Monuments, Statuary and Cemetery Work

From Light and Dark Quincy Granite, and all kinds of

NEW ENGLAND GRANITE.

The trade supplied with Rough Stock. Estimates on application. Works, Quincy Adams Station, QUINCY, MASS.

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QUINCY GRANITE



FOR MONUMENTAL PURPOSES. ■ ■ ■

Get the best by ordering your Monuments from

McDONNELL BROS.,

QUINCY, MASS.

Air Brush Designs



REGISTERED.

have made more money for monument dealers than any other kind.

Hundreds of dealers and draughtsmen are now using our

AIR BRUSH

and endorse its points of excellence.

No designer's outfit is complete without one.

DESCRIPTIVE CIRCULARS AND PRICE LIST ON APPLICATION.

AIR BRUSH MFG. CO.,

145 Nassau Street,

ROCKFORD, ILL.

Notes of Retail Dealers.—(Continued.)

The Maple City Granite Works has been incorporated to manufacture monumental work at Adrian.

Rickard & Brodhagen are building a large addition to their granite works at Traverse City.

Joseph Anderson will shortly begin the erection of buildings for a new marble and granite plant at Adrian.

Anderson Bros. & McKay Co. succeed Anderson Marble and Granite Works at Ionia.

"We notice that B. A. Franklin warns dealers against Alex. Owens. We also have had a slight acquaintance with him and not only consider him dishonest but a man who misrepresents his ability."—A. Black & Son, Grand Rapids.

MINNESOTA.

John N. Westlund, of Center City, writes: "Our trade has been very satisfactory the past year and the prospects for this year are all that can be expected."

The Bieanz Stone Co., Winona, proprietors of the Winona Stone Quarries, write that they will deal in granite and marble in connection with their general cut stone business.

Byrne Bros., of St. Charles, have sold their granite and marble business to Hynne & Crosby, of LaCrosse, Wis., and the firm name will now be the Hynne & Crosby Granite Co. J. T. Byrne takes an interest in the new firm and Samuel Byrne will retire.

MISSISSIPPI.

The Dixie Marble Works, Hattiesburg, reports a fair business with bright prospects for 1902. Their efforts toward a reform in freight rates have been directed toward local roads.

MISSOURI.

F. M. Richter, of Bethany, has sold his marble yard and stock to J. W. Kenyon.

NEW HAMPSHIRE.

Palmer & Garmon, Manchester, write that sales for 1901 were the largest in their history, and that prospects for a repetition of the business for 1902. They employ no agents, and believe that their increasing number of customers appreciate it. They write: "There are more people looking for good work, than for cheap talk, and cheap goods."

NEW YORK.

Lee A. Johnson has opened a shop at South Dayton.

J. G. Donley, of Auburn, has sold a half interest in his business to Levi H. Rightmeyer, of that city.

George L. More, of Sella & More, of Canandaigua, has moved to Syracuse, where he will go into the retail granite trade, and has sold out his interests at the former place.

Henry Lockwood, of H & E. Lockwood, of Huntington, died during the past month.

John W. Myers, of Sodus, died January 16, at the age of 76 years. He was well-known as a marble dealer, contractor, and as one of the builders of the Erie canal.

The firm of Wallace & Earle, at Malone, has been dissolved, and the business will be conducted by J. D. Earle.

Haywood & Baldwin, Owego, write: "The outlook for trade for the coming season is very favorable."

OHIO.

Mr. Henry A. Mason, of Columbus, is sending letters to dealers of that state urging them to take action to prevent the passage of a bill which is to be introduced into the legislature

by Representative Wayne, of Hamilton county, providing for a standard monument for all citizens of Ohio, limiting the cost of the monument, and forbidding the purchase of memorials for persons before their death. Dealers have little cause for alarm, as there is small possibility that any such measure will ever be passed by the Ohio legislature, or any other sane legislature.

Ira T. Tullis, of Alliance, writes that the year 1901 brought with it the largest business of any in his 30 years in the trade.

PENNSYLVANIA.

Felix T. Kleiser, of Avon, will open a branch at Lebanon. John Guenter, of Reading, died during the past month.

Oak Park Marble and Granite Works, New Castle, is now under the management of Beer & Tanner, instead of Beer & Goodyear.

Clarke & Brown have opened a shop for general monumental work at 1625 N. Thirteenth street, Philadelphia.

Henry U. Coble, Elizabethtown, writes: "We have had a very busy year, and find since equipping our works with pneumatic tools that it has largely increased our trade, by enabling us to turn out a better class of work."

R. H. Koontz, of Greensburg, has recently moved into new quarters and has greatly enlarged his facilities.

RHODE ISLAND.

F. F. Tingley, Providence, has recently erected a large monument of Vermont marble, valued at several thousand dollars.

SOUTH DAKOTA.

The Aberdeen Marble and Granite Works have been incorporated at Aberdeen. The incorporators are J. L. Koon, J. B. Koon and R. P. Koon. The company has bought the business formerly conducted by Barton & Deits.

TENNESSEE.

Morris Bros., 433 Main st., Memphis, who were recently visited by a disastrous fire, began the erection of a new plant immediately on the destruction of the old one, and expected to have it in full operation in January.

VERMONT.

"The year of 1901 was one of very good sales in monumental work," writes J. W. Goodell, Burlington. "I note a constantly growing demand for more artistic and finely proportioned work. Symmetry of form, artistic ornamentation, good lettering, well cut work and perfect stock are the demands now made by customers."

VIRGINIA.

Frank Grim, of the Marquis Marble and Granite Works, at Staunton, has built an addition to his shop, and fitted up new office quarters.

WEST VIRGINIA.

The Stewart Granite Works, Mannington, and the West Virginia Monumental Co., New Martinsville, have received a joint contract for the erection of the monument to Levi Morgan, the West Virginia pioneer and Indian fighter, to be placed at New Martinsville. It was designed by A. Critchfield, of the Stewart Granite Works, and is to cost \$3,500.

WISCONSIN.

Affeldt & Cash have opened a granite and marble works at New Lisbon, as the Johnson County Granite and Marble Works.

NOTICE OF MEETING.

The National Marble and Granite Dealers' Association will meet at Des Moines, Iowa, Wednesday, February 12th, 12 o'clock, Kirkwood Hotel. It will then be known what action the Western Freight Association has taken with regard to freight rates of marble and granite. All dealers are interested and should be present.

J. M. GRAHAM, President, Des Moines, Iowa,
C. J. FIELD, Secretary, Creston, Iowa.

Blue-White Westerly Granite.

GOURLAY GRANITE WORKS.

=====WILL FURNISH=====

Rough stock for Monuments, Mausoleums, Vaults, Headstones, Markers, Posts, and Coping from the famous "Klondike" Quarry, which produces the finest Blue-White stock. Rough stock a specialty.

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Perspectives, Plans, Sections, Sketch Models, Etc.,

=====In WATER COLOR.=====

Send order with all information, which will be a guarantee that I will not make designs against you in that particular case. No one can enter my study and inspect designs not their own, or so intended.

NOTE.—The MONUMENTAL NEWS is a good messenger, carrying my FIRST NOTICE to the Trade, to Washington, Texas, Massachusetts, and many intervening points, from which I have received replies, many questions and general encouragement.

THANKS, GENTLEMEN.

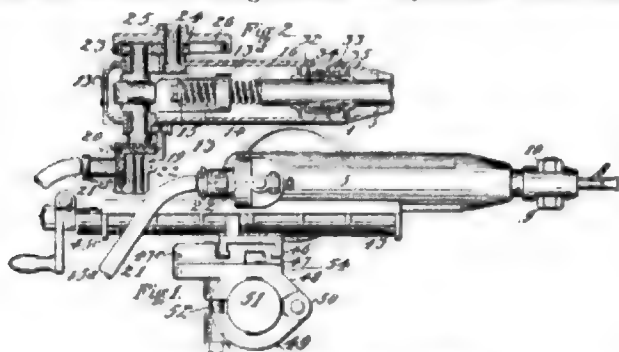
Yours,

FREDERICK A. GRACE.

Some Recent Inventions.

A Rock-Drilling Machine.

The rock-drill illustrated is designed to provide a machine of great efficiency, which can be operated at a minimum cost, and is adapted to the motive power of a flexible shaft and electric motor, or other suitable device. The essential parts as shown in the side elevation and horizontal section in our engraving are as follows: A reciprocating shaft, enclosed in the casing 3, and carrying a drill-bit 8, which is secured to the shaft by a bolt 9, passing through the shaft and having an opening for the bit. The head of the bolt is of sufficient weight to perfectly balance the shaft, and prevent it from turning except when operated by the proper machinery. The rear of the reciprocating shaft is connected with the crank-shaft by a yoke, which is open to receive the extremity of the shaft. The drill-shaft is surrounded by coil-springs 14 and 16, which act as buffers, forming a yielding connection between the yoke and the drill-shaft, and permitting the yoke to move in either direction independently of the shaft. In case the drill-bit gets fast in the hole the yoke can be moved backward by the crank-shaft without injury to the mechanism. The peculiar shape of the cam-slot at the rear of the yoke is intended to give great striking force while the crank is rotated at a moderate speed. The slot is so curved that the entire forward thrust is made while the crank is making one-fourth of a revolution, thus giving about double the striking force ordinarily obtained from cam



ROCK DRILL, SIDE ELEVATION AND SECTION.

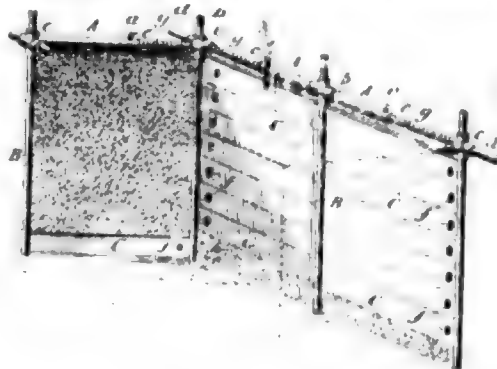
or eccentric mechanism. The other important points of the machine are the small fly-wheel, adapting it to use in a limited space, and the detachable pulley, over which the belt from the motor runs, which preserves a uniform stroke regardless of the speed of the motor or the revolution of the current.

(Patent No. 683,404, by M. C. Jackson, Denver, Col.)

A Grave-Curbing Device.

The device shown here is adapted to the excavation of graves in earth of sandy or loose texture, where the sides are likely to cave into the excavation. The advantages claimed for it are that it is adjustable to different sizes; that it can be readily removed from the excavation; and that it can be packed into small space for storage or transportation. It consists of an adjustable tubular frame A, made of two sizes of gas pipe or tubing, so constructed as to telescope together in length and width; iron stakes B, and curbing-boards C, which are to be engaged by a hook. To make an excavation the frame is adjusted to the desired length and width, designated by a scale of feet and inches on the small tube within the frame. This is done by loosening the set screws *a*, and sliding or telescoping the frame at the joints *e*, until the proper dimensions are obtained. The stakes are then driven through the connections *c* and *d*. Curbing boards are placed between the stakes and the earth or wall of the grave. As the excavation proceeds, the stakes are driven deeper, and more curbing-boards put in on

the others. The projecting ends *d*, of the frame extend out into the solid earth, preventing the frame from sinking into the

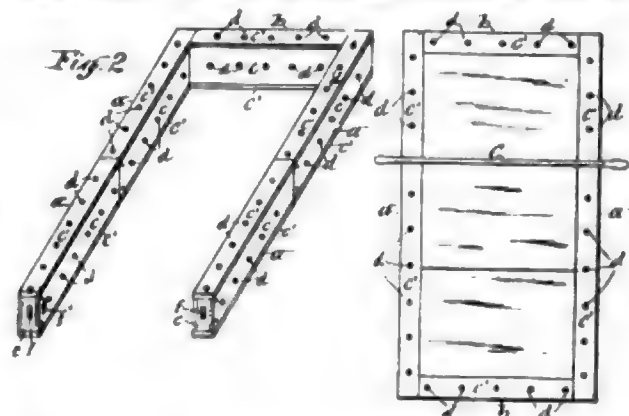


RHEUBOTTOM GRAVE CURB.

excavation. To remove the curbing the frame is lifted from the stakes, leaving the end curbing loose and readily removable. (Patent No. 686,536, by F. C. Rheubottom, Union City, Mich.)

Cement-Walk-Constructing Frame.

The object of this invention is to construct a frame which can be conveniently adjusted for constructing cement walks of different widths and different alignment, and shall be strong and durable for repeated use. It is constructed of longitudinal rails, shown at *aa* in the diagram, and transverse end bars *bb*, preferably made from scantlings, and embraced by longitudinal metal plates, *cc*. For uniting the rails and bars a metal block is attached to each longitudinal rail, and in a groove in the metal is inserted a small projecting hook. The use of these coupling hooks allows the frame to be readily removed from the completed walk and to be compactly stored for subsequent use. For forming abruptly-curved turns, correspondingly-curved sections of the side-rails, united by similar coupling-hooks and sockets are employed. For curves of greater radii, curved sections having flexible steel plates extending from their free ends are used, since they can be readily bent to the desired curvature. In constructing the walk, the rails and bars are placed in the proper alignment, the plastic cement is packed in the frame in the usual manner and levelled off with a straight-edge. A knife is then placed transversely across the



CEMENT WALK FRAME. Fig. 1.

walk at regular intervals to form a joint in it. When the walk is subsequently smoothed with the trowel these knife-cuts are filled with cement, but are afterwards marked and partly reopened with some suitable edged tool.

(Patent No. 683,681, by C. J. Sullivan, Syracuse, N. Y.)

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L. M. ELWELL,

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Statuary
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OUR BLUE STONE
makes fine bases and
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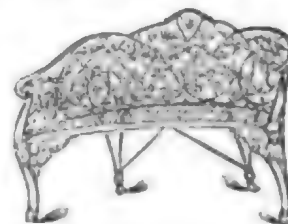
Send for sizes and prices and
you will surely want to put
one or more in stock.

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Granite, Marble and
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The largest manufacturers of these Goods in America.

SEND FOR 40-PAGE CATALOGUE.

Dark Blue. SEND FOR... Dark Mottled Blue.
Plain Blue. PRICE LIST. Dark Veined Blue.

The best Blue Marble in the Market is the

"UNFADING BLUE" FROM PENNSYLVANIA.

WORKS EASILY AND FINISHES NICELY.

Also handle Marble from the leading well known quarries of Gouverneur, N. Y.
SAWED STOCK. FINISHED MONUMENTS.

D. J. WHITNEY. - Gouverneur N. Y.

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First-Class Polished Columns,
Rolls, Urns, Vases, Balusters
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Also POLISHED BALLS from half an
inch (mounted to hang on your
Watch Chain) to four feet
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WEST QUINCY,
MASS.

Who will furnish the very
best Granite and work-
manship at bottom prices.

At the QUARRIES

QUINCY, MASS.

(From Our Regular Correspondent.)

Inclement weather and a shortage of stock have somewhat hampered the commencement of spring work. Orders are not lacking, however, and to expedite their completion only suitable stock is required. January was marked by an excess of cold weather, which, with some snow and rain tended to retard work in the quarries. Such conditions to date are a source of hardship, particularly to the manufacturer, whose efforts are solely bent toward the timely shipment of spring work. As the season advances and more settled weather is evident, this state of affairs, it is hoped, will have disappeared and trade generally will resume a more normal aspect.

Since the December granite shipments have been made known, 1901's total is placed at 215,762,042 pounds. The December shipments were distributed as follows: Quincy Adams 4,202,215 pounds; West Quincy 3,202,060, Quincy Quarries Co., via Quarry Railroad, 1,980,510 pounds.

At the annual meeting of the Merry Mount Granite Company, the following officers were elected to serve during the ensuing year: President, James H. Sullivan; Clerk, Michael B. Garey; Treasurer, John C. Kapples; Agent, Patrick W. Driscoll. Directors, the aforementioned by virtue of their offices, with Enos S. Costa, Lemuel J. Meyers and John McTiernan.

The Granite Railway Company has organized for the coming year as follows: President, J. A. Lamson; Vice-President, William S. Patten; Clerk and Treasurer, J. Albert Simpson. Directors, Melville P. Brackett, Henry M. Faxon, John A. Lamson, Otis H. Luke, William S. Patten, George A. White, Robert B. Williams.

William Souden and Napoleon Z. Reed under the firm name of Souden & Reed have agreed to dissolve partnership. Hereafter the firm will be known as Souden & Morrison, Francis Morrison succeeding Mr. Reed, who it is understood will continue business alone for the present.

The following out of town dealers visited the trade during the month of January: C. Roger Smith, Middletown, N. Y., John Neeb, Keene, N. H., George D. Wheelock, Keene, N. H., and E. W. Wells, Clarksburg, West Virginia.

BARRE, VT.

(From Our Regular Correspondent.)

The subject of greatest interest to the trade and the business public, generally, in the Granite City during the past month has been the proposed plan of the Granite Cutters' Association to form a sort of clearing house for the purpose of increasing and maintaining prices. The general scheme was briefly outlined in this correspondence in January, but there have been changes made in the details, and the whole thing is as yet far from being completed. It is now so well understood

and approved by the members of the Association that it is assured of adoption, more than 85 per cent. of them having expressed themselves as in favor of it. Many regard it as an experiment, and are not by any means sure that it will be a success, but they feel that it is necessary that something should be done for the common good, and this is the only thing that offers a fair prospect of accomplishing the end. The general idea appears to be to give it a fair trial and find out what its value is. A great deal of labor and care are being expended in perfecting the plan before it is finally adopted and published. Undoubtedly much more of the same work will have to be used after experience has recorded its weaknesses and imperfections; but there is wisdom and skill sufficient at the command of the Association to remedy any defects in time, if the members only hang together.

All the plants are busy, running at nearly or quite their full capacity. The weather has been favorable most of the time both for quarrying and cutting.

Stephen & Gerrard have let the contract for their new plant, which is to be of the latest style, and equipped with the best machinery. It will stand alongside that of Burke Bros.

James Adie has bought out the interest of his partners, Thomas and Philip Halrosa, and will conduct the granite business under the firm name of James Adie & Company.

Chas. W. McMillan and John P. Corskie were in St. Louis, Mo., and other Western cities last month.

MILFORD, MASS.

The large contracts for building work recently placed with Milford companies, give promise of an unprecedented boom in the granite industry here, and it is expected that in two months 1,000 men will be employed in the quarries in this vicinity.

At the Milford Pink Granite Construction Company's plant, four massive columns for the Citizen's Bank building at Cleveland, Ohio, are under way. The columns are 27 ft. 6½ in. by 4 ft. 9 in., and weighed in the rough about 40 tons each. This firm also has the contract for the erection of the 25 story Hanover National Bank building in New York City.

Another large contract to be given to a Milford firm is that for the Old South Building to be erected on the site of the historic Old South church, Boston. It is to be eleven stories high, the first two of which are to be of Milford granite, and will cost \$3,000,000.

The local branch of the Granite Cutters' National Union has submitted a new bill of prices to each of the manufacturing firms, embodying as its essential feature a uniform scale of wages of 37½ cents an hour for an eight hour day for all journeymen, and does away with the minimum and maximum scale now in force. The minimum rate is 35 cents an hour, but most of the firms are now paying 37½ cents.

The shipments of cut granite from Milford for December was 638 tons, one of the smallest of the year. During the corresponding month of 1900, 3,677 tons were shipped.

WELLS, LAMSON & CO,
BARRE, VT.

BARRE GRANITE QUARRIES.

OUR SPECIALTIES:

MAUSOLEUMS.

MONUMENTS.

GRANITE STATUARY



ROUGH GRANITE.

Square and Polished Blocks.

Large Boulder Monuments.

Any Size to the Limits of Transportation Furnished Promptly.

ALWAYS WRITE US FOR PRICES.



MASSACHUSETTS MONUMENT AT ANDERSONVILLE.
CUT BY JOHN THOMPSON & SONS.

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Manufacturers and Wholesale
Dealers in all Kinds of . . .

New England Granite

MONUMENTS, TOMBS,
STATUARY, BUILDINGS, Etc.

The Finest Grades of Quincy Granite
A SPECIALTY.

Quarry Street, QUINCY, MASS.

AT THE QUARRIES—(Continued.)

GOUVERNEUR, N. Y.

The marble quarries in and around Gouverneur have for some time been seriously embarrassed in their operations from a lack of coal owing to the shortage of cars to transport it, and some of the companies were compelled to run on half time.

The St. Lawrence Marble Company has resumed work after a shut down of a week for repairs, and has just received a shipment of 150 tons of coal with more on the road, so that it is free from the danger of a coal famine.

D. J. Whitney reports a large number of orders on hand for spring delivery. He anticipates a demand far in excess of that of any previous year. These conditions, he predicts, will prevail generally. All the quarries in that vicinity have large contracts for both rough and finished stock.

Quarry Notes.

Norcross Brothers will resume operations in their marble quarry at Tuckahoe, N. Y., which has been shut down for the past five years. It gives employment to 500 men. Norcross Brothers has recently been incorporated in Massachusetts with a capital stock of \$1,500,000. The officers are: O. W. Norcross, president; Albert J. Park, treasurer, and William J. Denholm, secretary.

Three new quarrying companies are reported from Spokane, Wash., this month as follows: The Monolith Marble and Onyx Company, capitalized at \$75,000, has been incorporated to work deposits near Chewelah, Wash. The company controls 160 acres of land and will begin to install machinery at once. The incorporators are: H. M. McCauley, F. S. Earnest, C. E. Powell, S. S. Callahan and L. H. Prather. The Great Western Marble Company, controlling 100 acres of territory in the same locality, has been incorporated by J. N. Jones, J. W. Oakes and others. The Evergreen State Marble Company is in process of organization by A. S. Dibble and A. E. Borthwick, of Spokane. The company has secured 470 acres of land near Bossburg, on the Columbia River, and is said to have unlimited deposits of a fine quality of white marble.

A company has been formed at Portland, Ore., by F.

O. Downing, F. Clarno, and W. H. Remington to develop marble land on Prince of Wales Island, in the North arm of Moina Sound. The stone is said to be in white and various colored varieties.

George E. Royce, formerly of the True Blue Marble Co., has recently acquired extensive holdings of marble lands near Brandon, Vt., and will install machinery for its development that will necessitate the employment of about 100 men by next summer. The property comprises about 140 acres just north of Brandon, in the Rutland-Florence and Hollister vein on the road to Middlebury.

Bids for the construction of the new custom house at Baltimore, Md., have been opened at the Treasury Department at Washington, and the figures ranged from \$759,000 to over \$1,000,000. The two Baltimore firms who submitted bids were James Coster and Henry Smith & Son. The latter firm was next to the lowest bidder, offering to do the work of construction with Maryland granite for \$771,000. A movement headed by the Builders' Exchange of Baltimore, is on foot to urge the government to use Maryland granite.

The Isaac H. Peddicord & Sons Quarry and Transfer Co. has been incorporated at Baltimore, Md., for the purpose of operating stone and marble quarries and engaging in the transporting business. The capital stock of the company is \$40,000, and the incorporators are: I. H., E. M., and H. E. Peddicord, C. H. Knight and John F. Williams.

Correll & Groh, Bloomington, Ind., write that the stone cutters' union in the great stone district of Indiana have established a wage scale of 45 cents an hour for an eight hour day, thus necessitating a general raise in the estimates on contracts for stone work.

The Philadelphia branch of the Granite Cutters' National Union, has appointed a committee of fifteen to confer with employers on a wage and time schedule for 1902. The present scale is 37½ cents an hour for an eight hour day, and the committee will ask for a substantial increase.

The Kettle River Quarries Company has been incorporated at Minneapolis by S. Bearles, G. W. Benton, C. S. Hale, G. W. Beach, and W. E. Gray. It is capitalized at \$250,000.

An immense bed of black granite is reported to have been discovered in the northern part of Minnesota by James Rooney, of Minneapolis, and L. P. Johnson, of Duluth, who are negotiating with a firm of contractors to develop it.

The Minnesota Granite Producers' Association has been organized in St. Cloud, Minn., the membership including all of the granite producers in this section of the state. The first officers elected are: James Holes, president; William Campbell, vice-president; J. F. Davis, secretary; Alexander Simmers, treasurer.

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IMPORTERS AND MANUFACTURERS

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119 to 223 Columbus Ave.

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QUINCY, MASS. AND BARRE, VT.

For Quick Working TRAVELING CRANES

Up to Forty Tons Capacity, Suitable

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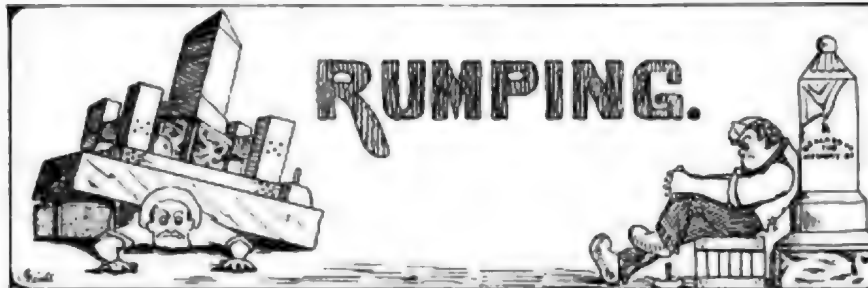
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LANE MANUFACTURING COMPANY, Montpelier, Vt.

Figuring Cost of Granite Work.

The now universally adopted standard to determine the cost of working granite; 2nd edition recently published; 70 illustrations. Send \$1 bill or P. O. Order (no checks) for book or write for descriptive circular to

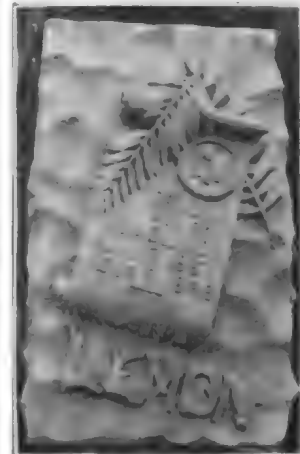
J. F. BRENNAN, Peterboro, N. H.



CORRELL & BURRELL

MANUFACTURERS OF

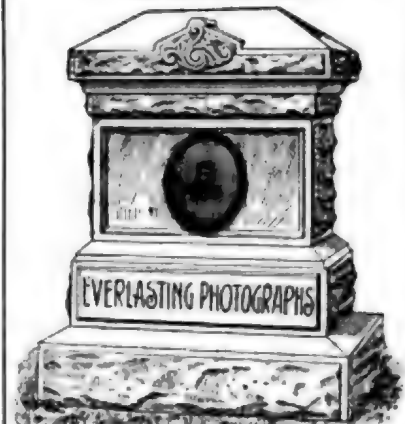
Statuary,
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Faced
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Monu-
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IN
Bedford
Lime
Stone.



All carving
done with
Pneumatic
Tools.

ODON, IND., On So. Ind. R. R., west
of Bedford.

PHOTOGRAPHIC PORCELAIN ...PANELS...



Portrait Medallions on Porcelain
For MONUMENTAL Purposes.

(Pat. Apr. 30, 1897)

JOSEPH F. FRITSCH,

Inventor and Manufacturer.

177 Jefferson Ave.,

Maspeth, Borough of Queens, NEW YORK.

What Our Advertisers Are Doing.

Mr. John McLean, 298 Monroe street, New York, manufacturer of bronze and iron cemetery supplies, had one of the most successful years in his business experience in 1901. Instead of discharging men in December, as is usually done at this season of the year, he was obliged to take on additional help. Mr. McLean's trade now extends to all parts of the country and is constantly increasing.

Luckemeyer Brothers of Melrose, Minn., marble and granite dealers who do considerable of their own work, recommend very highly the Fairbanks-Morse gasoline engine. With a six-horse power engine they drive a polishing machine and an air compressor for six pneumatic tools. The engine always works satisfactorily and has never caused any trouble nor required one cent's worth of repairs since it was put in—December, 1898. They find also that in comparison with other makes of engines their's uses very little gasoline. This voluntary information is of peculiar interest to intending buyers of engines, who are referred for further information to the advertisement of the Fairbanks-Morse Company, which will be found elsewhere in this issue.

The Bedford Steam Stone Works, Bedford, Ind., write: "The past year in Bedford stone has been a remarkable one and every indication points to an even larger year for 1902. All stone producers in this section are making extensive preparations for growing business. We have at present many more orders booked for spring delivery than at any previous time at this season of the year since we have been in business."

The Morris-Stonier Steam Granite Works, Toulon, Ill., report that business is good in their specialty, Red Syenite. They have doubled their cutting plant and have employment for ten more men. O. J. Anderson is travelling through the South and West for this firm.

Correll & Groh, Bloomington, Ind., write that they have a large lot of orders booked for the new year, and are expecting a busy season. They call attention to the fact that dealers and contractors who are not figuring on the advance in prices of stone and on the new wage scale of the union stone cutters, are likely to be out on their estimates. As they are not a union firm, they say that this advance will not affect their prices.

The Columbian Marble Quarrying Company, Rutland, Vt., who erected a new mill last spring, have found it necessary to still further enlarge their equipment, and are now engaged in making additions which will double their capacity. They are constructing two more new mills, one on each side of the one erected last year. The west one will be 110 by 50 feet, and the other one 140 by 50 feet, thus giving them 250 feet of additional frontage, and 12,500 square feet of additional ground space. The additions will accommodate about 15 gang saws, and as they now have 19 gangs in operation, their force will be doubled, the new gangs being larger and better equipped so as to do as much work as the other 19. Additional power equipment will be required, and the engine of 125 horse power will be supplemented by one of 300 horse-power. Another traveling crane will be erected and the runway lengthened about 250 feet. The F. R. Patch Manufacturing Company, Rutland, Vt., have the contract for the entire work, and expect to have it completed about the middle of February. The Columbian Company have a number of important contracts on hand to keep their new plant busy, among which are the furnishing of marble for the Commonwealth Trust Company's building in Cincinnati, and for the Arcade building in Philadelphia, being erected by the Pennsylvania Railroad for its general offices. They have also just received an order from J. P. Manning & Co., of Washington, D. C., for an elaborate white marble memorial tablet to be erected in one of the buildings in that city in memory of President McKinley.

The stockholders of the Montello Granite Company, Montello, Wis., held their annual meeting January 15th, at which the reports of the officers showing the operations of the company during the past year were submitted and acted upon. They have greatly enlarged their facilities during 1901 by installing some expensive machinery, and have a bright outlook for the present year. Mr. C. S. Richter, who has been president since 1898, has retired and the following officers were elected at the meeting: President, J. H. Shepard; Vice President, E. W. Underwood; Secretary, George Philbrick; Treasurer, Frank Troost; General Manager, I. T. Cross; Bookkeeper, N. R. Davis.

John A. Rowe, Bedford, Ind., manufacturer of rustic monuments, vaults, etc., in Bedford oolitic limestone, has his plant well equipped with modern machinery for the execution of all work of this character. The demand for Bedford monumental work continues to increase, the styles being far more varied than in years gone by. Book No. 1 of Rustic Monumental Designs, published by Mr. Rowe, contains thirty-five photogravure designs and is well worth many times its cost—\$1.

The Troy White Granite Company, Worcester, Mass., with quarries at Troy, N. H., write as follows concerning their prospects for the approaching season: "During the last season we have equipped and have now in complete running order an electric road, which connects our property with the main line of the Boston and Maine road. In the spring we shall very materially enlarge our quarry equipment and have no doubt that we shall be in complete condition to fill any and all orders that we may receive for the ensuing year. The demand for our granite has increased materially in the west and we now have customers in nearly all the states of the Union east of the Mississippi, and some even west of that point."

The Directors of the Milford Granite Company, Milford, N. H., have declared a dividend, covering the past six months, which will be paid the stockholders about February 1st. The company has paid out for labor during the past year \$33,000, and in dividends to stockholders, including the one just declared, \$8,220. The firm was organized in 1894.

The Smith Granite Company, Westerly, R. I., have contracts on hand which promise an unusually busy season of work. They have furnished the design and have the contract for the soldiers' monument to be erected for the Rhode Island Soldier's Home in the cemetery at Bristol, R. I. The monument consists of a circular pedestal and column, surmounted by the figure of a color-bearer, and resting on a base fifteen by eleven feet, the chief feature of which is an eleven foot octagon, with projecting buttresses at each end, on which two mortars are to be mounted. The total height of the monument will be 35 feet, and the cost, \$5,000. They also have the contract with the State of Connecticut for the erection of a monument in the cemetery at Norwich, Conn., in memory of the 26th Connecticut Infantry. It will be a shaft 27 feet high, mounted on a base seven feet six inches square, and is to be completed February 15, and dedicated soon after. Among their other work is a rich sarcophagus for the estate of Oliver D. Chesebro to be set in the cemetery at Stonington, Conn.

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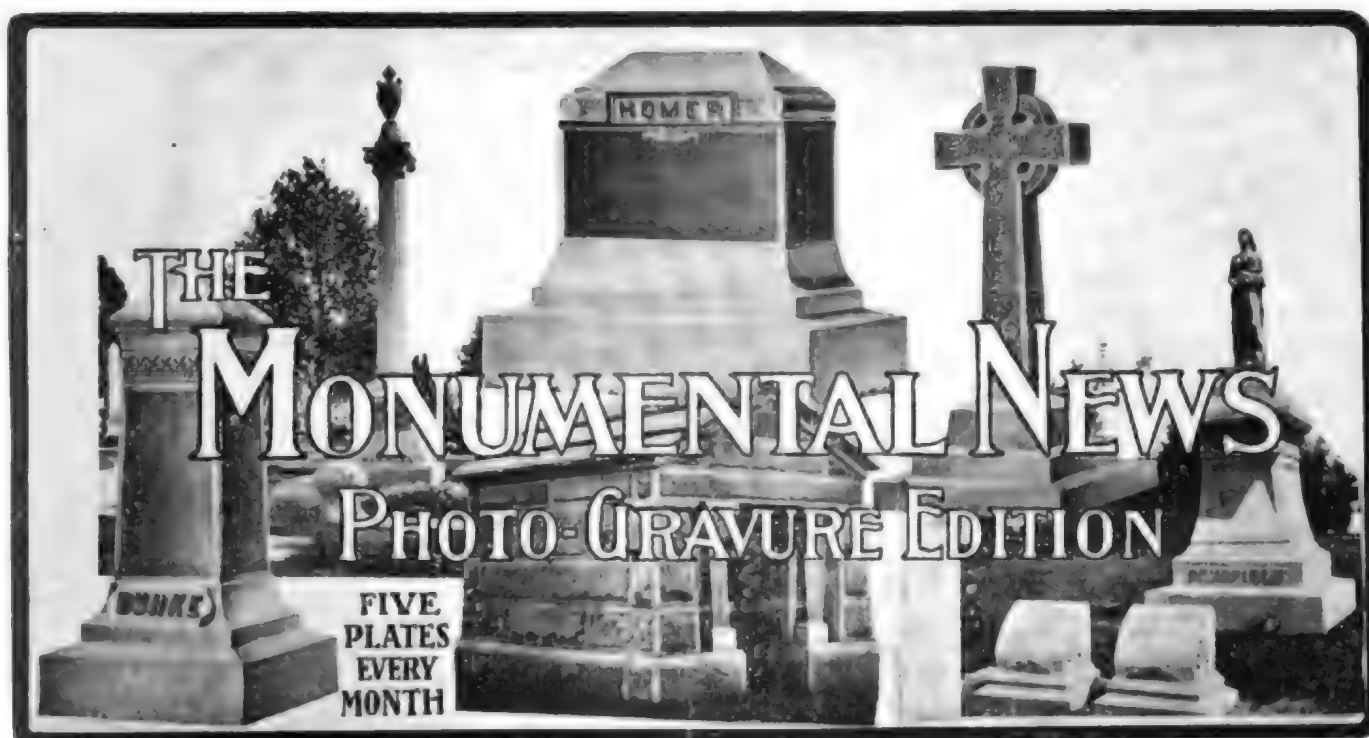
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The plates are 9 x 12 inches, on bond paper. The illustrations are from original drawings made expressly for this Journal by practical monumental architects and draughtsmen, and from photographs of completed work in Cemeteries or Parks.

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THE MONUMENTAL NEWS.

A MONTHLY JOURNAL OF MONUMENTAL ART.

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*Illustrated.

The Iowa Meeting. Owing to the prevalence of small-pox at Des Moines, Iowa, many who intended to be present at the meetings of the National Marble & Granite Dealers Association and the Iowa Association in that city last month were kept away. In consequence the attendance was small and there was no business of importance transacted. Another meeting will be held in July.

Freight Rates. At the annual meeting of the New England Granite Manufacturers' Association, held in Barre last month, consideration of the subject of freight rates resulted in the adoption of a resolution authorizing the secretary of that organization, to take the matter in charge. His plan of work is being formulated and a vigorous campaign will soon begin. A generous contribution to the fund required to carry on the work was pledged from the Boston Wholesale Granite Dealers' Association, which action should stimulate the New England manufacturers to do

likewise. The hearty co-operation of all retail dealers who are in sympathy with this movement should be given the New England Association. It is very evident that only the most persistent efforts will bring results, and now that a course has been decided upon the means should be forthcoming at once to prosecute it vigorously. At a meeting of the Western Classification Committee held at New Orleans in January, the petition presented asking for a change in the classification was not taken up, and its favorable consideration is regarded as doubtful.

A Proposed Ohio Law. Of all the absurd bills that State legislators have been called upon to consider none can compare with one recently proposed by an Ohio man, but which at last accounts had not received the approval of the Buckeye legislators. This proposed law is intended to provide a standard size for all monuments erected by private individuals, resident of the State; it places a limit upon their cost, and prevents the erection of memorials to living persons. This remarkable bit of legislation is said to have been inspired by a Cincinnati who after having erected a costly memorial in Spring Grove Cemetery regretted his extravagance, and forthwith proceeded to frame a law that would prevent others from such rash acts. It is too bad that such philanthropic motives should be doomed to disappointment.

The Barre Granite Exchange. The Granite Exchange or Central office plan inaugurated at Barre, Vermont, by the Granite Manufacturers' Association of that city, was opened March 1st. In a circular to the granite dealers of the United States explaining the workings of the Exchange a plain statement is made of the conditions that have existed for years at Barre, and which have made absolutely necessary a reform of some kind. The circular intimates that an increase in prices may be expected, to compensate for which "better service, better material and better work" are promised. This may prove a disturbing factor

while the Exchange is being established, but is of itself no serious objection, for it is a well known fact that much of the monumental work made at Barre has been sold at unprofitable prices. With the adjustment of prices for the contracts already in hand the retail trade can very soon adapt itself to the new scale of prices without the slightest sacrifice. Competent directors and a manager of recognized ability have the Exchange in charge. The success or failure of the plan rests entirely with the granite manufacturers. Unanimity, a virtue too often lacking among manufacturers, is highly essential at this time, and the best work of the Exchange cannot be accomplished without it. It is said that 90 per cent. of the concerns at Barre, Montpelier, Northfield and vicinity have agreed to give the plan a thorough trial, and gratifying results are confidently anticipated. Our Barre correspondent gives some interesting information on the subject in his letter on another page in this issue.

A Poor Business Policy

That honesty is the best policy in every kind of business is generally conceded by all right-minded business men, and yet the full meaning of the motto is not always appreciated, or if appreciated, is not always applied. It goes deeper in business affairs than the mere disposing of goods under equitable and honest conditions and should regulate every phase of a commercial transaction from soliciting and taking the order until the receipt for payment. One questionable feature more or less common in the marble and granite industry, and indeed in most lines of trade, is overestimating capacity; in other words booking orders, which a fair understanding of the situation would convince it were impossible to fill within the time limits agreed upon. The year of prosperity through which the manufacturers have just passed finds not a few fall delivery orders carried over for shipment during the winter or possibly spring, and the detrimental effect of such failures to fill contracts has a far-reaching tendency,—inimical indeed both to the interests of the manufacturer and retailer. Such delays not only embarrass the retail dealer with his customers but they may sorely interfere with his plans to meet his financial obligations. Past experience should lead manufacturers to be careful not to overreach themselves in taking orders, and they should absolutely decline all orders for work which they cannot reasonably expect to fill at time specified. Thus the retail dealer would be spared the unpleasant conditions, which the less honorable method imposes upon him, and the manufacturer would retain the confidence of the dealer. For it goes without saying that retail dealers who have

suffered from such treatment, will be more cautious in placing their orders this year. Honesty in promises is as essential as honesty in material and prices.

THE CENSUS ON VERMONT MARBLE AND GRANITE.

According to the census report on manufactures in Vermont the manufacture of monuments and tombstones is third in importance in that state, and also shows a notable increase in all particulars, the percentages of gain being nearly the same in the number of establishments, average number of wage earners, and value of products. In 1890, there were 96 establishments reported, and in 1900, there were 268, an increase of 179.2 per cent. The wage earners in 1890 numbered 1,095, and in 1900, 2,974, an increase of 171.6 per cent. The value of the products in 1890 was \$1,492,384, and in 1900, \$4,045,611, an increase of 171.1 per cent. The showing for marble and stone work, an allied industry, is also satisfactory. The number of establishments in 1890 was 46, compared with 54 in 1900, an increase of only 17.4 per cent; but the value of the products, \$1,656,637 in 1890, amounted to \$2,484,551 in 1900, an increase of 50 per cent. Both industries owe their importance to extensive quarries.

The report states that a large proportion of the marble used in the United States is obtained from the quarries in Vermont. It was not until 1785 that the first quarry was opened by Isaac Underhill on land in Dorset. In 1805 a quarry was started in Middlebury. The largest producing quarries are on Otter Creek, Proctor and West Rutland being the principal quarrying towns. Quarries are operated at different points in the western part of the state, extending from Isle La Motte, where black marble is found, to Bennington county. These marbles are very beautiful in finish and texture. The manufacture of marble monuments as an important industry dates from 1808. The stock was first taken from the top or outer edge of the layers, where the strata could readily be split into sheets of suitable thickness. These sheets were cut down with a chisel into the desired shape. Marble was first sawed in South Dorset in 1818, and found a market in Boston, New York, Philadelphia, Cleveland, and intermediate points.

The quarrying of granite began in 1812. During the past twenty-five years quarries have been opened in Barre, Hardwick, Dummerston, Berlin, Woodbury, Ryegate, and Calais. The city of Barre has the largest per cent of increase in population of any place in the state in the last decade, due almost entirely to the development of these quarries and the manufactures allied to them.

Three Cannon Monuments.

Since our Naval victories the government distribution of cannon used in our Civil and Spanish wars has resulted in the erection of many memorials



TO THE FIRST CONNECTICUT HEAVY ARTILLERY.

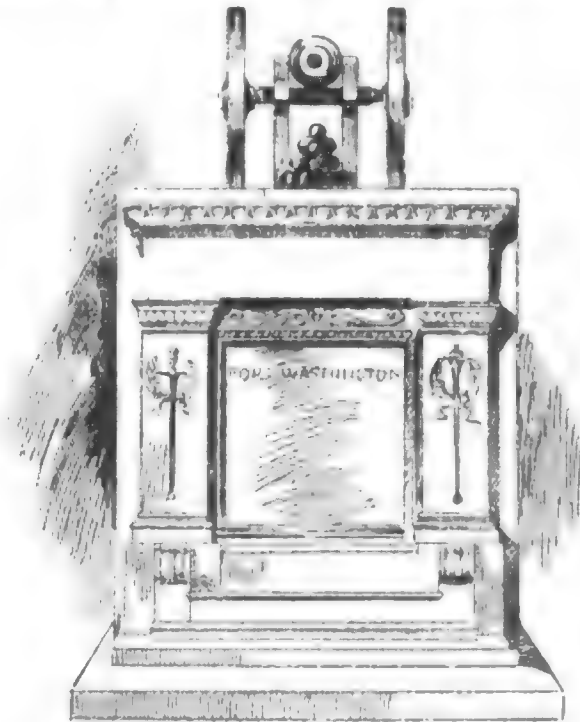
similar in general character to those seen in our illustrations. It appears that the ordnance department has quite a supply of guns, either captured or unfit for further service that are available for such purposes. Their peculiar appropriateness, however, as memorials is a matter of opinion. A cannon by its mute presence may instill into the minds of the thoughtful, lessons as impressive as when belching forth its destructive volleys of shot and shell. The setting and surroundings should be as harmonious as possible.

The memorial to the First Connecticut Heavy Artillery is to be erected on the grounds of the state capitol at Hartford, and will stand fourteen feet high. The mortar forming the central feature of the design, was known during the war as the "Petersburg Express," and saw much active service with the First Connecticut during the Civil war. It will rest on a granite pedestal in three pieces, 14½ feet square at base and 7½ feet high. The granite blocks will be rock-faced, and the moulds fine hammered. On three sides of the die are to be bronze tablets, 6 ft. by 2 ft. 6 in. bearing inscriptions giving the war record of the regiment, and on the fourth side will be a bronze reproduction of the seal of the state of Connecticut. The memorial is to cost \$5,500, of which \$1,000 was contributed by the state, the rest by private subscription. The design is by Stephen Maslen, of Hartford, who also has the contract for the erection.

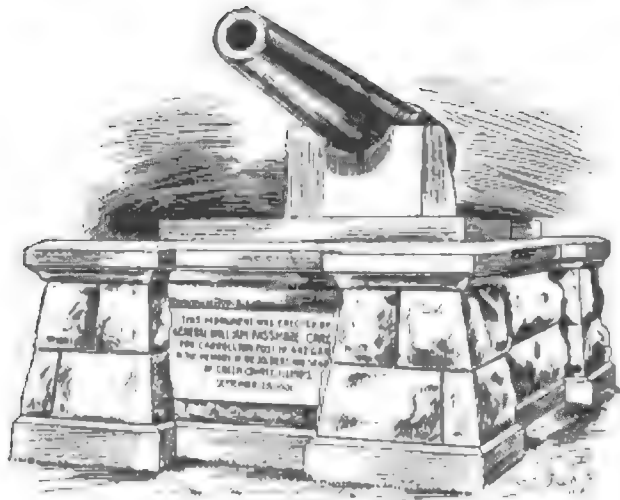
The Greene County Soldiers' Monument, Carrollton, Ill., was unveiled last autumn, and consists

of a cannon mounted on a rock-faced pedestal, and is 6½ feet high, with ground dimensions of 13 by 9 feet. It was erected by the Culver Stone Co., Springfield, Ill., the gun on it, illustrated on the next page is a one hundred pound Parrott gun, the largest type of cannon used in the Civil War, and saw service in many battles. The inscription is cut in a granite slab taken from the old Lincoln monument at Springfield, Ill. It was erected and unveiled under the auspices of the G. A. R. and was a gift from General Carl.

The Fort Washington Monument, erected by the Sons of the American Revolution at Fort Washington, New York, marks one of the most interesting historical spots of the Revolutionary War, where the last stand was made by the Continental forces on Manhattan Island. The fort was captured by the British in 1776, and repossessed by the Americans in 1783. The monument is the gift of James Gordon Bennett, and was erected last November. It is built against the face of the natural rock, and consists of a wayside seat and step, about eight feet long, flanked by two pilasters, reaching to the top of the rock, ten feet above, and supporting an entablature. Between the pilasters and above the seat is a massive bronze tablet bearing the inscription, and surmounting the structure is a concrete platform supporting the cannon and a pile of cannon-balls.



THE FORT WASHINGTON MONUMENT, NEW YORK CITY.



GREENE COUNTY, ILL., SOLDIERS' MONUMENT.

The site is on the extension of 183rd street New York City, where the sidewalk of the street has been cut through solid rock, leaving its face exposed to the height of about ten feet. The location has been registered by the American Senic and Historic Preservation Society, and the inscription on the face of the memorial reads as follows:

"This memorial marks the site of Fort Washington, constructed by the continental troops in the summer of 1776, taken by the British after a heroic defense, Nov. 16, 1776, repossessed by the Americans upon their triumphal entry into the City of New York, Nov. 25, 1783, erected through the generosity of James Gordon Bennett, by the Empire State Society of the Sons of the American Revolution Nov. 16, 1901."

Sculpture at the Pennsylvania Academy.

Some belated additions have been made to the sculptural exhibition which tend materially to strengthen the backbone of the entire collection. On the left of the rotunda is an heroic bust in pure white Carrara marble, of the powerful and historic tragedian Tomaso Salvini, by none other than Mario Salvini his son. The execution is marvelous for breadth and depth of treatment, and portrays with incisive skill every line of the splendid physical proportions of the celebrated actor.

"The Sun Vow" by H. A. Mac Neil, is a splendid interpretation of the Indian off guard, in his native environment when the mask of indifference falls from his face and nature assumes its own aspect. Here we have a life size Moqui seated upon a boulder, holding between his legs a younger member of the tribe, who has just given the twang to his bow, and both are watching with bated breath the onward and upward flight of the feather-barbed messenger. It is an exquisite interpretation of the interest of one and satisfaction of the other. Mr. MacNeil, has earned much commendation for his efforts in Paris, where he has interpreted so successfully, the unknown qualities of the true American.

Deftly handled, and cleverly modelled are the three young lion cubs drinking from a domestic pan. This comes from the hands of Eli Harvey.

A bronze head of a man, by John Flanagan, and another by E. Elwell, serve well to indicate the different characteristics and training of the men. Purely modern, but strangers to the Rodinesque accentuations, the various pieces show the clean and healthy sense of interpretation without the intrusion of any schism. In feeling the pulse of the general public one is assured at least in sculpture that it asks for the ideal, or purely literal translation, and in a bronze bearing the legend a "Troop-

ers's Horse" wind-blown and bleeding, modelld by A. Stadt, we have a positive and living piece.

A panel in low relief and nice proportions, containing the protraiture of James Brite, and Aimee Kindersley Brite, by Charles Niehaus, creates a sense of pleasure in the thought that sculpture is being invited in a social and domestic way to take its place in protraiture.

Samuel Murray, has just completed a memorial tablet to the late Rev. Francis Joseph Quinn, R. C., priest of the Church of the Nativity of the Blessed Virgin Mary, of this city. Arched in form, with a broad band or mat, edged with the dart and capped with the Basilican cross. The entire plein being in low relief showing the head and torso in three quarter life size. The measurement over all is 48 by 26 inches, the die beneath bearing the following inscription in Roman capitals: "This tablet has been erected by the Congregation of the Nativity B. V. M., in grateful recognition of the virtues and labors of the founder and first rector of this church. Rev. Francis Joseph Quinn, who departed this life April 24th 1901." This will be cast in bronze and erected at an early date.

Mr. Murray has also received the commission to model and have cast a similiar tablet to the memory of the well known musician C. H. Jarvis, of this city. The theme is to show the musician seated at the piano, earnestly reading the notes before him. The effect in the low tone relief is very pleasing, as in the perspective one becomes conscious of the value given to the chief factor, the incidentals of the foreshortened part of the instrument and its attendant music sheets, lessening the effect of stiffness and space which often accompanies the straightly posed figure. This will also be cast in bronze, and probably erected in the Academy of Music by the Musical Society of Philadelphia.

W. P. Lockington.

Monumental Sculpture in the City of Mexico.

Two colossal Aztec "Princes," in oxidized bronze, stand one on each side of the entrance to the Paseo. They are Ahuitzotl and Axayacatl. The Paseo was designed and laid out by Maximilian

and removing with his left, the veil that has hidden the Western Hemisphere. The whole subject has been admirably conceived and treated.

In the second glorieta stands a heroic statue of Cuauhtemoc (Cauauhtemotzin,) by the Mexican artist Francisco Jimenez. On a platform, having four stairways each guarded by bronze leopards, stands a pedestal of basalt in three parts. The first bears two reliefs and two inscriptions; the Captive Prince before Cortes and the Tortures of Cuauhtemoc and Tetzlepanpueztal. On the second part are the Aztec arms and shield. The third part supports the bronze statue of Cuauhtemoc.



STATUE OF COLUMBUS, MEXICO

with the intention of displaying monumental statuary symbolical of the progress of Mexico in its six gloriets. In the first of these a wealthy resident of the city erected what is popularly known as the "Colon Statue," but is more properly a group designed by the French sculptor Cordier, commemorative of the discovery and settlement of the country. The foundation is an octagon of basalt. The base is of Russian Jasper of reddish hue, upon which are represented in bas-relief the arms of Columbus surrounded by a wreath of laurel; a fragment of a letter written by him; the dedication of the monument; and two scenes from the life of the discoverer, i. e. the rebuilding of the monastery of Santa Maria de la Rabida and the landing at San Salvador. Upon the corners of this base are placed four life size sitting statues in bronze; Padres Marchena and Debesa of Spain, to whom Columbus was finally indebted for the royal favor; and Pedro de Gante and Bartolemeo de las Casas, Bishop of Chiapas, the two missionaries who devoted their lives to the cause of the Indians of Mexico. In the midst of these stands the pedestal of Russian Jasper which supports the heroic statue of Cristobal Colon, with his right hand held aloft,



STATUE OF CUAUHEMOC, CITY OF MEXICO.

The third glorieta is to contain a statue of Hidalgo twenty feet in height; and in the fourth a statue of Juarez sixteen feet in height is to be erected. These statues have already been cast in Rome.

The projected public monument to the memory of Juarez must needs be a rare work of art if it approach in beauty, simplicity and freedom from conventionalism, the exquisite group which marks the tomb of that remarkable man in the Panteon de San Fernando. This group is the work of two brothers, Islas by name, natives of Mexico and by race Indians. It is of white marble, and rests under a canopy supported by Doric columns. It represents the plucky Indian President of Mexico stretched at full length upon his death-bed, his head resting upon a pillow. Half reclining at his head is a beautiful female figure, emblematic of the Republic mourning the loss of her favorite hero. It is beautifully expressive of the grief of a nation and I have been wont to consider it in every respect



TOMB OF JUAREZ, CITY OF MEXICO.

the most admirable example of mortuary sculpture I have ever seen.

L. Viajero.

Battle of Manila Monument.



MODEL FOR MANILA MONUMENT.—RUPERT SCHMID, SC.

The model for a monument to Dewey and the Battle of Manila shown in the illustration is designed to suggest a monument, which shall be realistic in detail, original in conception and historically correct. The striking feature of the monument is the use of the turret of a modern battleship as a pedestal. On the turret stands Dewey the hero of Manila, beside him the incarnate Spirit of Providence, which seems ever to have watched over and guided American naval commanders. This figure, tall and commanding, inspires and directs the hero of the battle. Below the line of projecting guns and forming a fine ground for such use, is a broad frieze picturing the battle in mingled allegory and realism.

The figure of Victory with outstretched right hand urges the men to battle, while in her left she holds a laurel wreath. In a corresponding position, diametrically across the turret is "Columbia" seated and holding with uplifted hand a sword, emblem of America's position as a world power. Between the two allegorical figures are descriptive scenes of the battle in high relief.

On the granite base four bronze panels are to be modeled in low relief, representing the four stages of the conflict. The turret is ten feet in diameter, and twelve feet high, and it is the designer's intention that it shall be constructed so as to revolve in the manner of an actual battleship.

The figures are to be of heroic and life size in bronze, the turret in bronze and the base of granite. The model is by Rupert Schmid, of California who is in hopes of carrying out his design.

Monumental Art in Italian Cemeteries.

(Continued.)

It is well worth our while to inspect some of the monuments more closely. On a case we find an inscription informing us that here lies a couple united in death; a figure of "Charitas" leans on the anchor of hope and is busy imparting to three curly-headed chubby children the riches of maternal love, indeed a very pleasing subject, agreeably varying from some of the realistic monuments. Another monument consists of a lightly-veiled female figure, with her arms uplifted toward heaven. Above the figure is the cross with the inscription: "In hoc signo vinces." Below the figure is an appropriate Psalm. A few steps farther and we come across a beautiful black marble socket with yellow veins. On it is a precious sarcophagus of white marble and an urn, in which are contained the ashes of the departed. Over the urn leans the life-size statue of the widow in black garb with long veil, the sculptor having taken great pains to express grief in the features of the sorrowing widow. As we walk on, our attention is arrested by a magnificent figure of Christ, having burst aside the heavy gray granite blocks that formed the grave, while the occupant of the grave is shown flying toward heaven, having been released by his Saviour. On another grave we see a ship, beautifully executed in marble, the Angel of Life at the helm and a suitable inscription on the starboard side.

The Campo Santo of Milan differs greatly from that of Genoa. One can see that Milan is near the frontier. The colonnade plays only a subordinate part, the graves are mostly in the cemetery proper, but for all that one is instantly reminded of his presence in the land of Carrara marble and art. In the centre of the Milan Campo Santo is a magnificent chapel of black and white marble. Manzoni, the famous poet of "Promessi Sposi," lies buried here, and a large bronze bust marks his grave. In the Milan cemetery much more attention is paid to the floral decoration of the graves than in Genoa. The magnificent crematory in renaissance is at the exit of the Milan Campo Santo. The two most imposing monuments in the cemetery are also two of the most famous in all Milan. One stands on the plot of the Bruni family. It consists of an amazingly exquisite white marble pyramid of colossal dimensions with a door of Egyptian style. Egyptian symbols, a sphynx and a weeping Oriental figure, make up the rest of the truly wonderful monument, which is surrounded by larches and cypress trees. The other monument was erected in memory of the famous physician, Maccia, who gave the largest part of his fortune to

establish a home for poor women. It consists of a high portal crowned by the three figures: Faith, Love and Hope. A life size bust of the physician is underneath. The door is ajar and through it enters a poor young woman nursing a babe, to put a few flowers she has plucked, on the grave of the philanthropist. The inscription of the monument is on a parchment which is in the hands of a bare-footed boy, who weeps over the loss of his benefactor.

The walls of the cemetery crematory are adorned with marble plates in memory of those whose remains have here been cremated. Some very costly black marble urns are also to be seen in the niches.

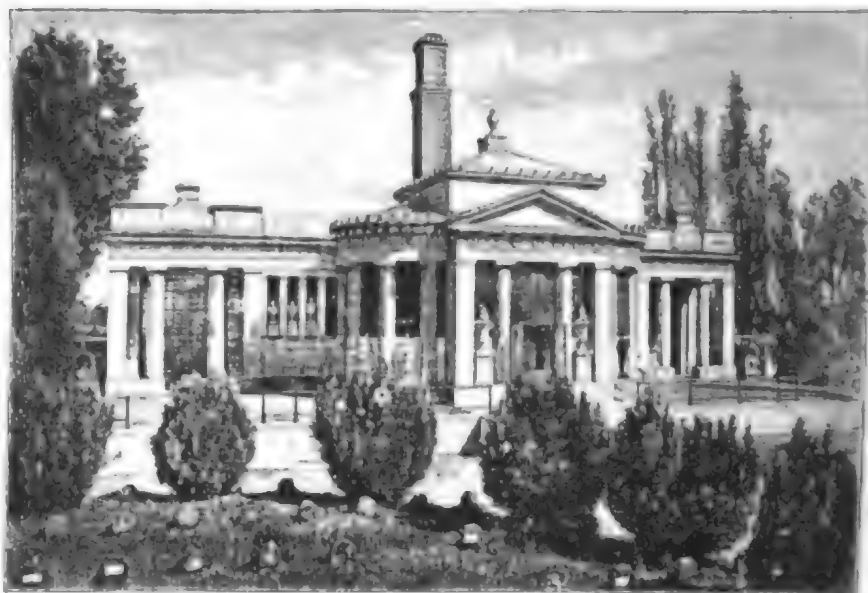


CHILD'S MONUMENT, FLORENCE

The Campo Santo of Pisa is no longer in use. The sod of this cemetery was brought 700 years ago from Jerusalem by an archbishop. Besides many Gothic monuments, the frescoes of Benozzo and Gozzoli are of most interest. Most of the inscriptions on the monuments are no longer readable. Imposing statues of Nicolo Andree and Giovanni Pisano are found here, as is also a monument in memory of Count Francesco Algarotti, the renowned scientist. This monument was erected by Frederick the Great, whose friend the Italian scientist was. Among the monuments of a later period which are of special interest, is one by Thorwaldsen, in memory of the well known ocu-

list, Vacca, who is depicted healing his blind father. The monument in memory of Count Mastiani, shows his wife, bowed down with grief, kneeling on the grave. The last monument erected before the cemetery was closed is that in memory of the celebrated opera prima donna, Signora Catalani, who was born near Pisa. The monument shows on a raised pedestal an idealized figure in Greek dress, the folds falling down over an organ. Two small figures, symbolical of music and song, sit at the feet of the large figure.

The Campo Santo de San Miniato at Florence is visible from afar, the black white cemetery church towering above the countless monuments that abound here. At the very entrance we are struck by the grave of a child, the monument on which is strangely touching in its otherwise detestable realism. On a hill of flowers appears a veiled child's head. The child is beckoning to another child which the sculptor shows in life size, to come. The latter throws away toys, and with open arms comes to join the sister who has gone before to the land of angels. From the peak of



THE CREMATORY AT MILAN.

the cemetery hill a beautiful view of the famous city of Florence may be had. "La Bella," the beautiful, as the city is called, laughs at us, and we leave the Campo Santo to exchange the gay life of the city for the sadness of the cemetery.

The Italians are as exuberant in joy, as they are disconsolate in sorrow. Therefore the monument makers must depict grief far more poignant and mournful than in Anglo-Saxon lands.

William Crawford Hirsch.

The Duomo Pavement in Siena.

The lovers of art history who are so fortunate as to pursue their studies of that charming subject in Italy, would do well to leave for a time the most frequented routes of travel and visit Siena; for they will find there, besides many other objects of deep interest, that which is not to be seen elsewhere and will well repay their study. That is the pavement of the Cathedral, or the Duomo as it is called because of its surmounting dome.

When in the eleventh century, Siena was in her prime, rich, powerful, populous and the rival of Florence, she conceived the plan of a Cathedral that was to be second to none in Italy. But in the great plague of 1348 the city suffered losses from which she never recovered. She was forced to abandon her ambitious plans for a large Cathedral and content herself with adorning the building she had. And thus it comes about that the existing Cathedral, small as it is compared with the original plan, (being but one transept of the Cathedral that was to have been,) is filled with art treasures and is pronounced by many competent critics, the most beautiful in Italy.

And not the least interesting of its art treasures

is the pavement. The entire floor is a scheme of pictures not altogether Christian nor even religious. It includes panels of purely ornamental design, one containing the arms of Siena with those of other cities confederated with her, and among other subjects there are an allegory of fortune, a wheel of fortune, ten sybils, a Hermes Irimegistus, the seven ages of man, the Christian virtues, one of the Emperors of Rome, a large number of scenes from the Old Testament, some from the Apocrypha and a few from the New Testament. It requires a vivid imagination to trace any relation of one part of this pictorial scheme to any other. But we are not at present especially concerned with the subjects of the pavement pictures so much as with the manner in which they were made.

The pavement is not, (with the exception of one panel, that bearing the arms of the confederated cities,) ordinary mosaic. It is of a class of work "which seems to have been peculiar to the artistic mind of the Sieneze." There are but three other pavements in existence which resemble it. Of these, two are in Siena and the third is at Lucca, about sixty miles distant. The pavement at th

Duomo was begun in 1369 and was completed in 1562. The work of restoration has been carried on with not unsatisfactory results in the eighteenth and nineteenth centuries, and some of the original work which was too much injured to remain was removed to the Museum in the group of buildings to which the Duomo belongs.

The *modus operandi* of the pavement exhibits an evolution in which four steps or stages are distinguishable. In the first or earliest stage, large slabs of marble were shaped to the utmost outlines of the picture. The interior lines were then drawn, first with a graving tool and then strengthened by means of rows of holes made with a trepanning drill. The lines thus made were filled with a composition of pitch, resin and potter's clay, which became nearly as durable as the marble itself. Next, to heighten the effect of the picture thus produced, the white marble was inlaid against pieces of dark marble, generally black for the sky and red for the ground upon which the figures were made to stand. Then as a third stage in the evolution, colored marbles found their way into the composition, yellow, for example, to represent jewelry and ornament. The fourth and final stage was reached by Domenico Beccafumi, the greatest of the "Pavement Masters" and famous as painter and sculptor. (1486-1550;) who discarded the vivid contrasts of color, confined himself to the use of marbles which shaded from white to pale gray, and arranged them so as to shade his pictures like a mezzotint engraving or a lithograph in black and white. He did not however altogether abandon the use of the line obtained by the graver and trepanning drill. In all the specimens of the four stages, probably the finest effects were obtained by the resort to the black and white marbles and to the line, without the use of color.

In tracing the history of the Siena pavement it is incidentally brought to our notice that the marbles used were not artificially colored as was done in pavement work elsewhere and at a later period. As appears from the Cathedral archives, the Duomo authorities had quarries, either in fee simple or under lease, in the fifteenth century in the Val d'Elsa, at San Casciano, and in the Val di Cecina. These three quarries furnished an abundance of white, black and red marbles respectively.

It appears that the *operaii* or artist-workmen upon the pavement were organized under some sort of regulations by which they were recognized as officials of the Cathedral. The regulations varied from time to time. At one time, for example, the Rettore or Operaio was elected annually and he had a Head Workman called "Capo Maestro." It

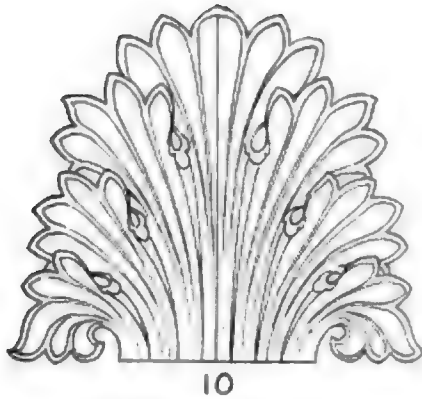
was sometimes required that the Operaio be a celibate and one of them in the fifteenth century was forced to resign on account of having married and begotten children.

Grave doubts are generally entertained as to the suitability of pictorial designs for floor decorations under any circumstances, and some of the panels of the Duomo pavement would certainly appear to far better advantage if they were placed in a vertical position so that their superb drawing could be better seen. The question might arise therefore, What is there in this pavement worthy the attention and study of monumental designers?

This question might be answered by suggesting that as mosaic is now coming into popular favor, this pavement furnishes a useful hint at a modification of the usual technique of mosaic by the occasional resort to the first of the evolutionary stages above referred to. But without disparagement of other features, the inscriptions and the borders or frames of the panels are worthy of close study. The former are all in uniform Roman or Latin letters, admirably drawn and to be studied rather than copied. Sometimes they are on tablets supported by lion-headed bipeds or other symbolic and conventionalized animal forms. These might be considered in the same category with the borders or frames, which are sometimes in geometric figures, sometimes in figures of winged quadrupeds or cherub heads foliated or floriated in the manner of Renaissance ornament and alternated with leaves or flowers. Birds with dragon tails abound in borders. Sometimes the architectural trefoil arch and pendant furnish the motive. Altogether the seeker after motives for decorative designs will find an embarrassment of riches in the Duomo Pavement at Siena.

As the initial volume of what promises to be a series of deeply interesting books on Great Craftsmen, Robert H. Hobart Cust, M. A., has given us a book on the Siena pavement, full of historic notes derived from the Cathedral archives rather than from the literature of the subject which has heretofore been too scanty. He refrains from critical remarks but half-tone illustrations to the number of twenty-four partly supply this deficiency and give the reader an admirable idea of the pavement, thus making the volume of great value to the monumental designer.

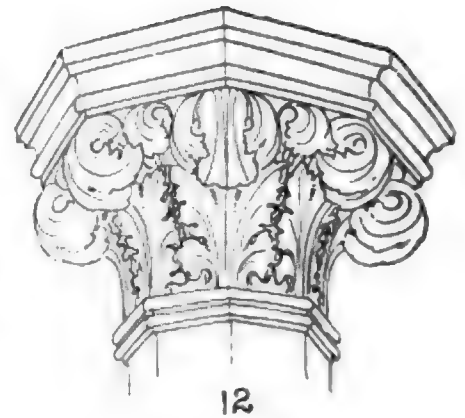
(The Pavement Masters of Siena, (1369-1562) By Robert H. Hobart Cust, M. A., Magdalen College, Oxford. Imperial 16 mo. with numerous illustrations in half-tone, pp 155 index and bibliography. Initial volume of series of "Handbooks of the Great Craftsmen." Edited by G. C. Williamson. Litt. D. (\$2) London. George Bell & Sons.)



A ROMANESQUE ACANTHUS.



AN EARLY GOTHIC FORM.



EARLY GOTHIC.

The Acanthus.

(Continued)

IN the Romanesque or Christian architecture of the west with its overlapping lobes and rounded divisions Fig. (X.) derived its inspiration from Roman Art and resembles the examples of leaf on the capitals of the Pantheon, Temple of Mars Ultor and Arch of Titus Fig. (VIII).

Occasional traces of Byzantine influence appear in Western art, where the Greek form shows itself treated, however, with rather uncertain hand, and carried to no great extent.

The use of the foreign acanthus in addition to a number of native plants was adopted in the early period by the Gothic style in round and bulbous forms, Fig. XI. and XII., but in the later styles Gothic architecture on the contrary, preferred bizarre, long-extended, thistle-like foliage, Fig. XIII. In both cases the general conception is more or less naturalistic, but the details are usually idealized beyond recognition.

In the late periods of Christian architecture, the acanthus virtually died out as a motive for ornament; but with the opening of the Renaissance, which revived antique ornament, the acanthus again was treated as in classic art, and developed

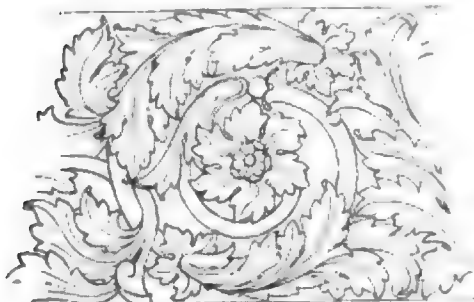
to the highest degree of perfection as in Figs. XIV. and XV.

Of all the ornamental designs which have been borrowed from plants the Acanthus is the most popular and yet having no symbolical significance whatever is still copied and imitated in modern ornamental art where its new conventional creations have no pronounced nor specifically modern character.

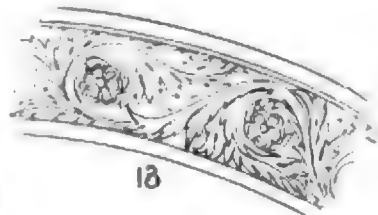
Franklin L. Naylor.

AN ACANTHUS MEMORIAL.

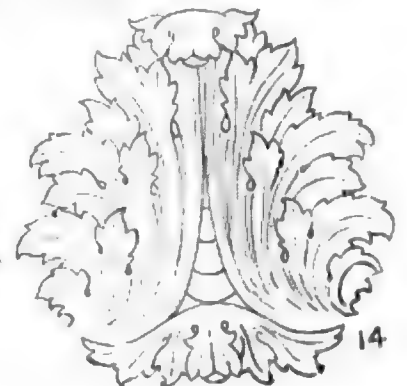
An interesting example of the memorial use of the acanthus is to be seen at the grave of the English poet Shelley in Rome. His resting place is marked by a plain marble slab placed horizontally on the ground, surrounded by plantings of acanthus and violets, and Mrs. D. O. Hill, a Scotch sculptor, has recently modeled and placed over the poet's grave a bronze bust embodying an acanthus design. The bust is mounted on a fluted Greek column with a Corinthian capital, and rests directly on a sculptured design of acanthus leaves. A replica in marble of the work has been purchased by the University of Oxford.



A HIGHLY DEVELOPED EXAMPLE.



A LATER GOTHIC FORM.



THE CLASSIC TREATMENT OF ACANTHUS.

Medallion Bust of President McKinley.

The medallion bust of President McKinley shown in the illustration, is a copy of the heroic bust exhibited in the American pavilion at the Paris Exposition, executed for that occasion by Sculptor Ferdinand E. Leimer to the order of Commissioner General Peck. The original was modeled from life in a series of sittings which the President gave to Mr. Leimer in the summer of 1899, and is the only one for which he sat.

Mr. McKinley saw the work after its completion and expressed himself as much gratified with it, while many of his friends have characterized it as the best likeness of any character of the dead president extant. The medallion is made from a wax mold, and shows all the delicate, incisive modeling of the original. Every line and shade of the well-known features are graphically presented, and the sculptor has succeeded in catching a peculiarly happy and characteristic expression. The laural branches on the lower border of the bust are symbolic of the president's two terms of office, one of them being complete, the other cut off in the middle.

Mr. Leimer is one of the younger of American sculptors, most of his work having been done in Washington, his home. He modeled many of the interior decorations of the Congressional Library, including those surrounding Pratt's "Seasons," and portraits of the late Col. William G. Moore,



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MEDALLION BUST OF PRESIDENT MCKINLEY.—F. E. LEIMER, SC.

and of Ex-Senator Mantle, of Montana, which works led to his receiving the commission for the bust of President McKinley.

Equestrian Statues in Washington.

In a paper read before the Columbia Historical Society, of Washington, D. C., Mr. S. H. Kauffmann has prepared an interesting historical and descriptive account of the equestrian statuary of the national capital under the title "Men on Horseback," now published in pamphlet form and illustrated with half-tone views. The first equestrian statue erected on this continent was a leaden one of George III, dedicated in 1770 and destroyed and molded into bullets to be used against that monarch's forces during the Revolution. The oldest one now in existence is the effigy of Charles IV of Spain, erected in the city of Mexico in 1803, and illustrated in our last issue. With the single exception of one to the painter Valasquez in Paris, all the world's equestrian monuments have been memorials to military leaders or royal rulers.

The first one erected in Washington, and the oldest now standing in the United States is the Jackson monument dedicated in 1853, and not, as is sometimes stated, the statue of Washington by H. K. Brown, which was unveiled in 1856. The Jackson statue was the work of Clark Mills, and

two replicas of it have been made, one standing in New Orleans and the other in Nashville, Tenn. Mr. Mills prided himself on the fact that the center of gravity in this group was so nicely adjusted that the horse, standing on its rear feet, could maintain its equilibrium without any support. The next one in chronological order was the figure of Washington, represented as rallying his troops at the Battle of Princeton, which was also by Clark Mills, and stands in Washington Circle. It was unveiled in 1860. In 1874 and 1877 came respectively statues of Generals Scott and Greene, both by Sculptor H. K. Brown, and in 1876 the monument to General McPherson, by Jones and Rebisso, of Cincinnati, was unveiled.

The statue of General George H. Thomas, by J. Q. A. Ward, the writer characterizes as "perhaps the best in general effect and most spirited of its class in Washington." The statue of General Hancock by Henry J. Ellcott, and the recent Logan memorial of Franklin Simmons complete the list aside from the ones to Generals Sherman and Sheridan now contracted for.

Sculpture.

ERNEST W. KEYSER'S life-size bronze bust of Admiral Schley is to be mounted on a suitable pedestal and placed in the new state building now in process of erection at Annapolis, Md. Senator Brewington has introduced into the Legislature a bill appropriating \$3,000 for the purchase of the bust, as a substitute for the bill to present the Admiral with a silver service.

HALSEY C. IVES, Director of Fine Arts for the St. Louis Exposition, has announced that entries of proposed exhibits must be made by July 1, 1902, and that the exhibits must be delivered to the Fine Arts Department before March 1, 1903. The juries have not yet been selected.

ALEXANDER STIRLING CALDER has just completed a life-size statue in plaster of his young son, Alexander, Jr., which is on exhibit at the Pennsylvania Academy Exhibit. He has entitled it "The Man Cub," and it represents the boy in a well posed attitude of childish impatience, with one hand partly outstretched.

THE Boston Museum of Fine Arts has secured a recent accession to its collection of Tanagra figurines, which makes it rank second to the Berlin museum in the possession of these statuettes so valuable as examples of Greek polychrome sculpture. These statuettes were discovered in tombs near the Grecian city of Tanagra, and show remarkable perfection of form.

DANIEL CHESTER FRENCH has been awarded the commission for the statue of General William Francis Bartlett, to be placed in the state house grounds at Boston, Mass. Mr. French has also modeled a bust of Gen. Bartlett now in the Harvard memorial hall, which was instrumental in his securing the commission for the statue, and will model the equestrian statue of General Hooker to be erected at the state house. The Legislature has appropriated \$20,000 for the statue of Gen. Bartlett, and the contract requires its completion by the spring of 1903.

HAMILTON MCCARTHY, the Canadian sculptor, has just finished a statuette model for a memorial to Queen Victoria to be erected in Winnipeg, Man. It is now on exhibition in the legislative chamber in that city. It represents the late Queen seated on her throne, and is mounted on a pedestal in the form of a truncated pyramid, on the front of which is a circular, florally decorated medallion, inscribed "Victoria the Good."

CHARLES H. NIEHAUS has recently completed a life-size bronze statue of Abraham Lincoln for the Buffalo Historical Society. It shows President Lincoln seated in his chair, and is said to be a characteristic portrait modeled from authentic drawings and portraits. It is a gift from the Lincoln Birthday Association, and the cost, \$10,000, was defrayed by Julius E. Francis, the founder of the association. The statue is to be placed in the new home of the Historical Society, the marble building known as the New York state building during the Pan American Exposition. It was cast by the Gorham Company, of New York City, and has just been delivered in Buffalo. Mr. Niehaus has also been commissioned to model the statue of the late President McKinley which is to be presented to Muskegon, Mich., by Mr. Charles H. Hackley, of that city. It represents Mr. McKinley in the act of delivering

his last speech at Buffalo. The work is to cost \$20,000 and will be unveiled on May 30.

JOHN FLANAGAN has nearly finished in Paris the remaining parts of the incomplete clock-piece for the main rotunda of the Congressional Library at Washington, and announces that they will soon be ready for delivery. The delayed parts are chiefly in bronze, and the balance of the appropriation to pay for the work still remains available in the Treasury.

THE announcement of the dates and conditions of the coming exhibition of the Society of Washington Artists to be held in the Corcoran Art Gallery in Washington, has been issued. The society invites exhibits in oil, pastel, burnt wood, miniatures, and sculpture which have not been exhibited in Washington before. Exhibits will be received on March 3d and 4th and the private view will be held on March 15.

HUGH CAIRNS, of Boston, has recently shown his finished model for the statue of Robert Burns to be erected by the Caledonian Club of that city. It comprises a statue of the poet, and a symbolic representation of the Spirit of Poesy, outlined against a pyramidal background of granite, standing seventeen feet high. Burns stands with one hand resting on his plow, gazing thoughtfully at the ground, while the Spirit of Poesy with flowing drapery, hovers over his head. The decorative use of the plow, the graceful pose of the poet's figure, and the skillful use of the drapery are its distinctive features.

THE following twenty-nine sculptors have signified their intention of submitting models in competition for the statue of Gen. George B. McClellan to be erected in Washington, D. C.: Waldo Story, Rome, Italy; G. Trentanove, Florence, Italy; Herbert Barbee, Brooklyn, N. Y.; John Flanagan, Paris, France; Cyrus Cobb, Boston, Mass.; John S. Conway, Rome, Italy; A. Amateis, Washington, D. C.; T. A. Ruggles-Kitson, Boston, Mass.; Caroline Brooks, St. Louis, Mo.; Cyrus Dallin, Arlington Heights, Mass.; Edward Berge and others, Baltimore, Md.; F. D. Owen, Washington, D. C.; Copehart & Gloidani, Washington, D. C., and F. W. Ruckstuhl, Solon H. Borglum, Warren, Wetmore & Morgan, Butler & Rodman, J. Francis Brines, Charles H. Niehaus, J. Massey Rhind, W. Clark Noble, Augustus Lukeman, C. W. & A. A. Stoughton, E. P. Piatti John Borie, L. Lawrie; A. Phimister Proctor, F. E. Triebel, Wilkinson & Magonigle and John Donoghue, all of New York. The statue and pedestal are to cost \$60,000.

JOHN W. ALEXANDER, speaks as follows in an article entitled, "Folly of Tariff on Art," in *Brush and Pencil*:
The tax on art in the Dingley schedules is indefensible on almost any grounds. Even if considerable money were raised by the duty, broad-minded people who have a just notion of the educational influences of art, would oppose the tax upon the great works of art of the world. But the effect of the duty is to keep out works of real value, and thus deprive the American people as well as the artistic world of the pleasure and benefit to be derived from them. There is no protection to the art "industry" of the United States in keeping the old masters in Europe by means of a barbarous tariff. Considering the question on the merely business basis, the tax on art is folly which fosters art actively abroad and stifles it at home. The artists and all art associations, together with the directors of art museums and educational institutions, should take concerted action to have the tariff removed.

The Chicago Art Exhibition.



THE SUN VOW, HERMON A. MACNEIL, SC.

The annual exhibition of works by Chicago artists, held at the Art Institute in that city during February, comprises 269 works in various media by 101 artists, including nine pieces of sculpture.

The works of sculpture are meritorious pieces and have, for the most part won praise in other exhibitions. Two of them, the bronze figure of the Indian maiden, Weenonah, by Isabel Moore Kimball, designed for a public fountain at Winona, Minn., and Lorado Taft's *The Solitude of the Soul*, which won a silver medal at the Pan-American Exposition, have been illustrated and discussed in these columns before.

The Sun Vow, by Hermon A. MacNeil, comes from the Pennsylvania Academy Exhibit in Philadelphia, and is another fine example of that sculptor's well-known Indian groups. It shows an old Moqui Indian administering the Sun Vow to a boy of tender age. For rare expression, depth of feeling, and skillful modeling, this group

ranks with the best of the statues portraying the Aborigines. The bronze is a *cire perdue* cast of the Roman Bronze Works, New York.

The Flag, by Charles J. Mulligan, of the Art Institute, is part of a group designed for a fountain in Independence Square, Chicago, and represents a sturdy youth in his teens carrying a flag and drum. He is planted firmly on both feet, and his face is aglow with life and martial spirit. Independence is written in every line of his body, and he will be happily situated in one of Chicago's small parks. The round and vigorous modeling has much in common with Mr. Mulligan's figures of workmen that were shown at the Pan-American Exposition. The model for the fountain has been accepted by the West Park Board, and is to be shortly erected.

The other works of sculpture shown are: Portrait bust, and portrait relief in plaster, by Julia Bracken; two plaster busts, *Baby*, and *Mischief*, by Mrs. Van Vorhees Dundas; and a portrait bas relief of William T. Crowdsdale, by Erwald Hinton.



THE FLAG, CHARLES J. MULLIGAN, SC.



Courtesy Methodist Magazine.

THE PERRY MEMORIAL; KURIHAMA, JAPAN.

AN INTERNATIONAL MEMORIAL.

The monument to Commodore Perry, our first official messenger to Japan, shown in the engraving, was unveiled early this year at Kurihama, Japan, and was erected to commemorate the friendship existing between the United States and Japan. The following account of it is given by the *Methodist Magazine*. It is a huge vertical stone slab, of a serviceable, wearing stone named Sendai-ishi—from the town Sendai, where it is quarried—and stands on one of the promontories of Japan, near Uruga, on the spot where Commodore Perry first set foot on Japanese soil in 1853.

The Japanese are fond of simplicity in wood and stone effects, and left the monument unchiseled like the great boulders of Colorado. The base is of granite and rests on a granite foundation. The inscription was composed by Marquis Ito, Japan's greatest statesman, and reads as follows:

"This monument marks the landing place of Commodore Perry of the United States of North America.

Marquis Ito Horibumi, First Order of Merit."

On the other side are the following words: "Landed on June 14th, sixth year of Kayei. Monument constructed July 14th, thirty-fourth year of Meiji."

The Perry monument was the result of the efforts of the Beiyu-Kai, or American Friends' Association, a society embracing all Japanese who have gone to the United States for study or other educative purposes. Its membership is large, and includes many of the foremost men of Japan, who have studied in American universities.

Perry's landing was the beginning of the end of the despotic Yedo government, and the negotiations which he began in 1853 resulted in the next year in the opening of two Japanese ports to foreign vessels, and marked the first steps in the progressive development of Japan which has continued to the present day and placed her at the head of the nations of the Orient.

MOVING A LARGE STATUE

Bartholdi's great statue of Vercingetorix, to be exhibited for a time under the central dome of the Grand Palais of the Champs Elysees, Paris, has just issued from the casting shop, says the *Illustrated London News*. A huge motor-car conveyed the work to the Grand Palais. The illustration shows statue as it left the foundry. Round it are grouped the chief workmen who co-operated in the casting, and in the very center stands the eminent sculptor, M. Bartholdi.

The work represents Vercingetorix waving his sword, reining in his charger and cheering his warriors to attack the Roman legions. The statue is to be stationed permanently in the squares of Clermont-Ferrand.—*Popular Mechanics*.



Courtesy Popular Mechanics.

MOVING A STATUE IN FRANCE.

MONUMENTAL NOTES

The design prepared by McKim, Mead & White for a monumental entrance to Bowdoin College, has been accepted by the faculty of that institution, and will be erected this year. It is a gift from the class of 1875, and will have for its essential features, two fluted Doric columns of Maine granite, twenty feet high.

There has just been erected in Evergreen Cemetery, New York City, a monument to John Addison Porter, Secretary to President McKinley during the war with Spain. It is an exact copy in Pink Westerly granite of the Egyptian obelisk in the Boston Museum of Fine Arts and stands ten and one-half feet high. In design and finish it follows the antique of the original, and occupies an imposing site near the sloping bank leading to the West River meadows.

On February 4, the first anniversary of Queen Victoria's death the handsome mausoleum where she rests with her consort, was opened for private memorial services, attended by King Edward and the royal family. The recumbent effigy of the Queen, designed by Baron Marochetti, and the crimson and green marbles with the bronze and white of the sculptured figures, are said to present a spectacle of dazzling beauty.

A model of the Washington monument and grounds, showing designs for its improvement according to the extensive plans for the beautifying of Washington, D. C., embodied in the recent report of the Senate Committee based on the recommendations of the commission of well known experts appointed for that purpose, is now on exhibition in the Corcoran Art Gallery, in Washington. The plans contemplate surrounding the monument with beautiful sunken gardens approached by marble terraces, adorned with fountains of attractive design, and planted with trees, flowers, and shrubbery. A terrace of marble will replace the slope to the east of the imposing column, so that the view from the dome of the Capitol will be through a vista of elms, giving to the monument the effect of even greater elevation than at present.

A recent Washington letter to the *New York Tribune* calls attention to frequent mutilation by relic hunters of important pieces of sculpture and monumental art in the capital city. The latest and most flagrant instance noted was in connection with the famous bronze doors leading into the rotunda of the capitol, modeled by Randolph Rogers, and costing about \$25,000, where it was discovered that a sword in the hand of one of the figures had been bent and almost twisted off. The vandals were not successful in getting it off owing to the public situation of the door, but have been more disastrously successful in mutilating the Washington monument. Many of the marble slabs on its interior are minus heads, arms, and pieces of drapery, and much of the delicate carving has been destroyed by wanton umbrellas and pocket knives of heedless tourists. On one of the handsomest slabs, a gift of the American Medical Association, two of the figures are headless and three armless, and another, representing a locomotive, looks as if it had been in a wreck. In spite of the close watch by guards employed for the purpose, both here and at Mt. Vernon, Washington's home, the relic-fiend continues to find numerous opportunities for his destructive work.

A memorial tablet was recently unveiled in the North Congregational Church at New Hartford, Conn., in memory of Rev. Horace Tracey Pitkin, a young missionary who was killed by the Boxers in China in 1900. The tablet is of brass, three feet by two, mounted on oak. Mr. Pitkin was a graduate of Harvard, and the inscription, which follows was written by President Eliot of that institution:

In memory of
Horace Tracey Pitkin,
Born at Philadelphia, 28 October 1869
Graduated at Yale College 1892
And at Union Theological Seminary 1896
Missionary to China 1897-1900,
Killed by the Boxers at Paoting-Fu
1 July 1900.
In April 1900 Alarmed by the Condi-
tion of the Country. He sent His Wife
and Child Home From Shanghai
And Returned Five Days
Journey to His Isolated
Post.

"Nor Deem That Acts Heroic Wait on Chance,
The Man's Whole Life Precludes the Single Deed."

Waterman Brown Monument.

The unique monument shown in the engraving, was erected by John J. Hern over the grave of Waterman Brown, in Woodbrook Cemetery, Woburn, Mass., and has attracted much



attention from railroad men. It consists of an old sleeper of Milford, Mass., granite, formerly used in the Boston & Lowell Railway, of which Brown was an employee. The cross-piece is a section of fish-belly rail, also from the railway. The stone shows an excellent polish, and is valued for its appropriate suggestiveness.

Beautifying the Cemetery.

At least one opportunity for the development of good out-of-door art exists in each town and in many country communities, says Frances Copley Seavey in *Park and Cemetery*. It is found in the improvement of the frequently neglected and almost invariably badly planned local cemetery.

Nearly all burial grounds are cared for in spots by lot owners, but to secure an attractive appearance throughout the grounds calls for well-directed organized effort. No better or more effective work lies waiting for improvement societies to tackle, and it is right at hand.

If such work is worth doing, it is certainly worth doing in the best possible way. It must, therefore, be done in accordance with a careful considered, definite and detailed plan. The best way to secure such a design is to engage a landscape gardener who is versed in cemetery work. All new cemeteries in progressive communities are in these days designed on modern lines. The American rural cemetery is acknowledged to be the ideal. It is a burial park. If quiet landscape beauty is appropriate anywhere, it is in the cemetery, and this fact is now generally admitted.

But it is one thing to decide to retain or to create this desirable characteristic in a burial ground and another to eliminate or to prevent inappropriate and inharmonious features that have come to be considered the proper thing in this connection. However, once a community is impressed with the practical and artistic advantages of the so-called lawn plan, the rest is comparatively easy.

This plan consists in fitting the chosen site to cemetery purposes without spoiling or altering its natural landscape effects. This result is brought about in as many ways as there are pieces of ground to be transformed into burial plots. No cemetery plan is good unless the finished grounds retain the original landscape characteristics of the chosen tract. This does not mean that there are to be no alterations. The topography may be altered throughout; trees may be removed (though this must be done with absolute knowledge or harm may ensue that only the years of a lifetime can repair); shrubbery may be cut away in some places and set out in others; and waterways may be altered or created; still, when all is said and done,

the character of the landscape will retain its original spirit—that is, if the work has been in the hands of an artist. At the same time, the ground will have been perfectly adapted to its intended purpose.

Among the necessities in every cemetery are a good drainage system; an adequate water system; well-placed driveways (which will largely decide the size, shape and number of sections); level graves (no mounds are found in up-to-date grounds; low markers at the head of the graves; no foot stones and no visible corner stones—the latter being set flush with the ground; no fences, copings,



OFFICE, CHAPEL AND ENTRANCE, CITY CEMETERY, LEXINGTON, KY.

hedges or other visible boundaries to lots—these must merge indistinguishably into each other if the open, lawn-like effect is to be preserved; unsold spaces for necessary planting must be retained throughout the enclosure; sharp slopes, boggy ground and other land unsuitable for burial purposes should be occupied by planting or be included in the waterways; hitching posts must be inconspicuous—gas pipe posts with a ring at the top are used in some of the best cemeteries, notably in Graceland, Chicago, and stones with rings attached are also good.

A good fence or wall is a prime necessity, and entrance gates, lodge, chapel, etc., should be in keeping and as good as can be afforded. It is frequently possible to secure some of these features as memorials to those who are buried in the grounds and it is suggested that efforts to secure such memorials form a part of the legitimate work of improvement organizations,



A 12 Cut Barre Monument, Erected by J. W. BEERBOWER, SPRINGFIELD, ILL.
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PROPOSED MONUMENTS

Washington, D. C. The following bills calling for appropriations for the erection of monuments have been introduced in Congress, in addition to those mentioned last month.

By Senator Lodge. A bill appropriating \$10,000 for erecting a monument on Government property to the memory of John Paul Jones.

By Senator Gallinger. A bill for a monument to Major Pierre Charles L'Enfant in the city of Washington, appropriating \$50,000.

By Representative Flood. A bill for the establishment of a National park on the fields occupied by the Army of the Potomac and the Army of Northern Virginia at Appomattox, Virginia, and for erection of a peace monument in said park. The bill carries with it an appropriation of \$100,000.

By Representative Lever. A bill authorizing the Secretary of War to erect a monument on the college campus of the Leesville College, at Leesville, S. C., to the memory of Captain James Butler and others for heroism during the Revolutionary War; a sum commensurate to their services is appropriated, together with \$100 annually thereafter for care.

By Representative Schirm. A bill appropriating \$20,000 for a statue to the late S. P. B. Morse, inventor of the electric telegraph. The statue is to be erected in Washington.

By Representative Smith. A bill to erect a monument on River Raisin battlefield, Monroe County, Mich., to commemorate services of Michigan and Kentucky veterans who lie buried on said battlefield; \$10,000 is appropriated.

The bill for appropriating the sum of \$4,000 for the selection of a site and the erection of a pedestal for a bronze statue in Washington in honor of the late Henry W. Longfellow, has passed the Senate.

By Senator Clapp. A bill appropriating the sum of \$10,000 for the erection of a monument to the memory of Capt. A. F. Hall, of the Ninth Regiment United States Infantry, at Lundy's Lane.

By Representative Robinson. A joint resolution appropriating \$2,500 for the purchase of a marble bust to the late Senator D. W. Voorhees, with a pedestal and suitable inscription thereon, to be placed in the Congressional Library building in Washington, D. C.

By Senator Foraker. A bill providing for the erection in the city of Washington a statue of the late John Sherman, and appropriating \$50,000.

The bill recently introduced in Congress by Senator Hale appropriating \$10,000 for the purpose of erecting and completing a monument to the memory of Dorothea Lynde Dix at Hampden, has been reported back to the Senate by the Committee on the Library without amendment.

Senator Penrose has introduced a bill appropriating \$5,000 for the erection of a monument in the National cemetery at Arlington, Va., to commemorate the patriotic services of the women who served as nurses on the field and in the hospitals during the Civil war.

Council Bluffs, Ia. Abe Lincoln Post No. 29, G. A. R., of this city, is at the head of a movement to erect a monument to Col. Kinsman, who was killed at the battle of Black River Bridge in the Civil War. The memorial is to consist of a granite shaft twenty feet high, surmounted by a granite cannon ball,

and encircled by a winding flag. On the side of the base will be a bronze medallion bust of Col. Kinsman. The unveiling is planned for May 17, 1902, the anniversary of the battle in which Col. Kinsman was killed.

Calro, Ill. A movement is on foot here for the erection of a monument to General Grant, who went from this city with his troops to the battle of Belmont, his first engagement. The plan is to defray the cost of the pedestal by popular subscriptions and induce the legislature to appropriate for a bronze statue of General Grant.

Canandalgua, N. Y. The County Board has accepted an offer made by Dr. D. R. Burrell to erect at his expense a boulder monument bearing a bronze tablet in Court Square on the spot made memorable by the last council of the Six Nations which resulted in the signing of the treaty of 1794.

Canton, Ohio. Citizens of Canton have formed a permanent auxiliary board to the McKinley National Memorial Association for the purpose of raising about \$35,000 for the McKinley monument fund. The plan is to raise one dollar for every man, woman and child in Canton.

Conesus, N. Y. There is a movement on foot to erect a monument here to the memory of General Daniel O. Shay, leader of Shay's Rebellion during the Revolution. He is now buried in the old Union cemetery near this town.

Cleveland, O. There is a plan here to use \$8,000 remaining from the G. A. R. encampment fund for a memorial to President McKinley. The money will either be applied to the National monument fund or used to erect a separate memorial in Cleveland.

Dayton, Ohio. The executive committee of the Board of Trade has recommended the erection of a bronze statue to President McKinley to be placed in Liberty Park. The plan is to raise \$10,000 to be used to erect the statue and also to contribute to the National memorial fund.

Denver, Col. The City Council of this city has passed a resolution changing the name of the City park to McKinley park, and providing for the erection of a bronze statue of the late president to be placed in the park bearing his name.

Galesburg, Ill. The Woman's Relief Corps, of this city is at the head of a movement to erect a monument in memory of "Mother" Bickerdyke. It is proposed to enlist the corps in all parts of the state and erect a shaft to cost \$3,000.

New York, N. Y. Bishop Doane has accepted the chairmanship of the American committee of an English organization having for its purpose the erection of a memorial to Charlotte M. Yonge, the novelist.

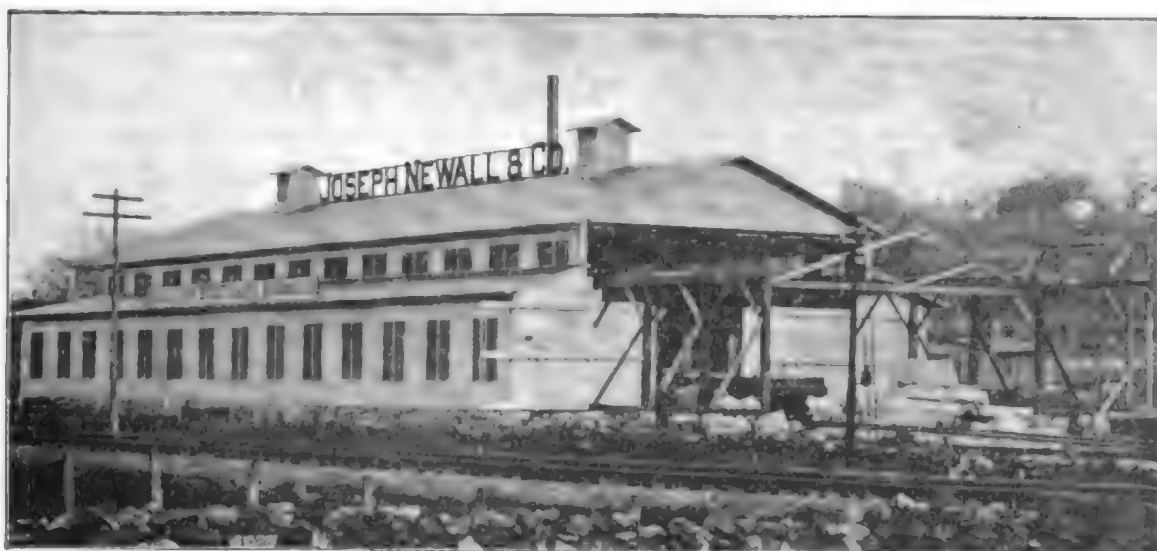
Reading, Pa. There is a plan in northern Berks and lower Schuylkill counties for the erection of a monument to Regina Hartman, whose family was massacred by Indians in 1775; and who was for nine years a captive among the redskins.

San Francisco, Cal. A subscription has been started here for the erection of a monument to Jack Dempsey, formerly champion middleweight pugilist.

The Lincoln Monument League, formed in 1897 for the erection of a monument to Abraham Lincoln in this city is making preparation to extend its plans, and announces that about \$3,000 has been raised.

Shanghai, China. It is reported that a monument to President McKinley is to be erected in Shanghai through voluntary contributions by native Chinese as testimony of their appreciation of his efforts in preventing the dismemberment of China.

Sioux City, Ia. The Veteran Firemen's Association has inaugurated a movement for the erection of a monument to veteran fireman of this city.



Mausoleums, Statuary, Monuments
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AND RED **WESTERLY GRANITE**
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WESTERLY, R. I.

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**THE WINSLOW
BROS. COMPANY
CHICAGO.**

**ORNAMENTAL IRON
AND BRONZE.**

Bronze Statuary Department

UNDER SUPERVISION OF
MR. JULIUS BERCHEM.....

**MONUMENTAL BRONZE STATUARY,
BUSTS, STATUETTES.**

ESTIMATES ON APPLICATION.

What Tends Most to the Success of a Retail Dealer ?

The papers on "What Tends Most to the Success of a Retail Dealer," will be continued next month, as there are a number of others which contain some excellent suggestions. Several have answered the question by saying "Subscribe for the MONUMENTAL NEWS and read it carefully," and while this answer was not awarded a prize, we hope it will be considered as not the least valuable of the suggestions offered.

* * *

Honesty in all his dealings is the first essential. He must sell none but first-class stock, of first-class workmanship, and the lettering and tracing should be faultless. His foundation work must be up-to-date, of a good depth, with good stone, laid in Portland cement, in a workmanlike manner. He must allow himself a fair profit on all sales and work, and at all times stick to his agreements. He should always be courteous and pleasant to customers and employes, alike, meet his obligations promptly and act like a man on all occasions. Energy is a quality of which he must possess a goodly amount. Trade will not run after him if he hangs around the shop smoking cigars. He must keep a memorandum of all deaths in district and solicit orders. He must not work at the bench himself, but employ first-class men, at good wages, and pay them when due. He must never run down his competitor, to his customers; such work will prove a boomerang to him in the end. His place of business, such as show-room, office and workshop, must be kept neat and clean, and his stock arranged in good order. I do not consider it necessary to keep a large and costly finished stock on hand in order to be successful, but it would hasten success very much. — NICHOLAS BECKER, Dixon, Ill.

* * *

This question can be truly answered with two words, personal solicitation. I am aware of exceptions to this rule, but in the majority of cases the rule holds. After an experience of over twenty-five years in the business, I am fully convinced that today success or failure depends largely, if not entirely, on the amount of soliciting that is done. The story of the old darkey in "Our New Minister" is an apt illustration. Uncle Rufus had prayed two years for a Christmas turkey, without success. The next year he prayed and went out and hustled and got the bird. After dinner he remarked, "Chillun, prayer is all right, but ye got to have a little hustle to go with it." We can pray in the daily papers for customers, claiming "best work at lowest prices," "largest stock in the state," "we buy for cash in carload lots thus saving customer the discounts," etc., etc., but we fail to get the game just as Uncle Rufus did, unless we go out and hustle. We know that today nearly all manufactured articles are sold on the road, and the family monument is not to be excepted. The people expect it—they like it. They seem to think that if they go to the shop they are at the dealer's mercy, and if we go to them we are at their mercy. They like to have us run after them. Business methods and customs have changed since we were boys, and he who hesitates today is surely lost. Competition gets fiercer and fiercer every day. Tooth and nail—everybody claiming to give the most for the least money, and this pretense has filled our cemeteries with abortions of art, imperfect and badly-finished work that disgraces the living and the dead. We should try to sell the best and not the cheapest. Business maxims learned

at school are as true today as ever, but constant, untiring, personal solicitation is the quickest and safest road to success, and about the only way. The old roads have been blocked and closed for years with the sign-boards—"no thoroughfare," by order of the people. We may not like the new ways but we must keep in the push and up with the procession. Another thing, don't be afraid you are paying too much for designs, for in this particular, extravagance is economy; have plenty of them and the best. Be honest. Remember, a lie won't stand alone, and will fit only another made for that purpose. Get good prices, more than your competitor, for better work. If you can't say any good of your competitor don't say any harm. Praising a competitor often helps to make a sale. Don't carry large stocks. Methods of business today don't require it. Keep only enough to show grade of your work, and don't forget that a pleased customer is your best advertisement.—W. E. KINCAID, Concord, N. H.

* * *

There are so many things which make the successful dealer that one hardly knows where to begin. One of the chief requisites is to furnish good work. The stock must be of the best. Rusty granite immediately spoils a dealer's reputation. In order to get good stock it is well to pay cash for what you buy, since the mill owners generally give cash customers the preference, and do the work more promptly. The "consumer," as we may call him, generally wants his work on short notice, and a cash business is a pretty sure way of getting orders filled promptly. Good lettering counts; a dealer feels a lot of pride in turning out lettering which he knows cannot be excelled. Customers pay more attention to the lettering than some dealers think they do; they want the letters well sunk or highly raised, especially the family name. Give them extra dark stock for polished surfaces so that the lettering will show off well. The dealer should be his own salesman. He should be friendly to prospective customers, willing to oblige them in anything within the bounds of reason, and win their confidence so that they will believe you when you say there is no "imitation" Swede. Take them through the cemeteries and show them some of your work, and show them the difference between good stock and bad. Ask about their family and friends, and act as though you had known them for years. Keep the shop clean and neat. A nice shop will appeal to the ladies. The stock should be nicely arranged and a few pots of flowers placed here and there to give "life" to the place and add cheer to what is a cheerless place to most people. While it is a good plan to sell for cash, yet it is worth while to sell smaller work on the instalment plan, when it is wanted. Have good workmen and buy marble in the rough and let them cut and polish it to suit yourself. This will effect a great saving to you. It is well to have one man in the shop who is good at drawing, so that he can put a few touches to a design which may not quite suit a customer's fancy, and make it a saleable one. Good designs are a great help, and there should be plenty of them. Bedford burial vaults are a good thing to handle if you make them yourself. Place a sample in each cemetery and let people know what they are and who makes them. Cemetery sextons are a good lot of fellows to get acquainted with. Get on the good side of them and they will drive trade your way. — MICHAEL UNGER, Columbus, Ind.

THE QUINCY GRANITE QUARRIES CO.

QUINCY, MASS.

Largest Producers

OF MONUMENT GRANITE

IN THE WORLD

**We produce more high grade stock than all
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ESTIMATES CHEERFULLY FURNISHED.

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GOURLAY GRANITE WORKS.

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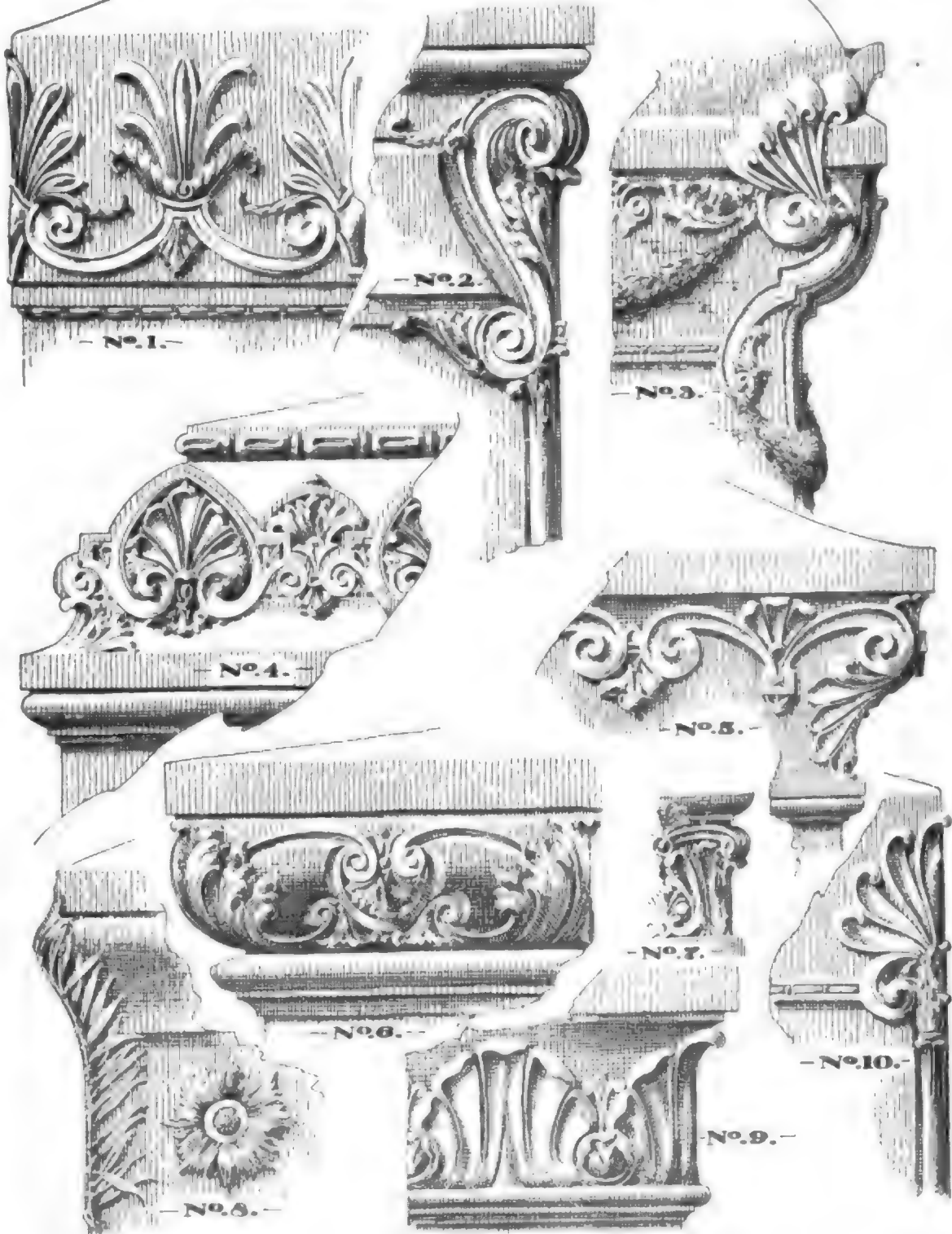
Rough stock for Monuments, Mausoleums, Vaults, Headstones,
Markers, Posts, and Coping from the famous "Klondike" Quarry,
which produces the finest Blue-White stock. Rough stock a
specialty.

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**Gourlay Granite Works,
WESTERLY, R. I.**

FRAGMENTS

— PLATE No. 1. — BY FREDERICK A. GRACE, DESIGNER. — 1902 —



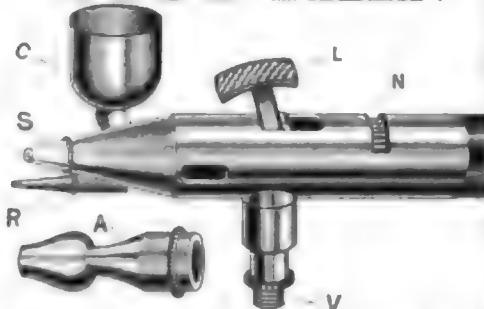
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THE GENUINE Pink Westerly Granite

can be had in any quantity from our quarries in the rough or finished state at the lowest possible rates.

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FROM OUR

BLUE GRANITE

are unexcelled anywhere.

Fine Carving. Turned and Polished Work a Specialty.

Satisfaction Guaranteed. Correspondence Solicited.

SMITH GRANITE CO.

WESTERLY, RHODE ISLAND.

COLUMBIAN MARBLE

AWARDED GOLD MEDAL AT PARIS EXPOSITION, 1900.



Our new mill and twenty-ton traveller completed last August which doubled our facilities, we concluded would not be sufficient to take care of our increasing business, and we have just contracted for another new mill, additional power and extension of traveller, which will be completed February 1st. This, with our increased quarry, will put us in position to furnish 20,000 cu. ft. sawed marble per month.

You can increase your business in the same proportion by using the celebrated COLUMBIAN and ROYAL BLUE Marbles. We give prompt service. Send us a sample order. Western dealers will please address No. 36 LaSalle Street, Chicago. Edward MacLane, Mgr.

COLUMBIAN MARBLE QUARRYING COMPANY,

Dealers in BLOCK, SAWED AND FINISHED MARBLE,
RUTLAND, VERMONT.

Notes of Ret

ALABAMA.

O. J. Moore whose shop at Hartselle was burned in November, has located at Cullman. Prospects are good with him.

COLORADO.

Bayha & Boehm, Denver, have recently secured a large vault contract to be cut from Colorado granite.

CONNECTICUT.

The Stephen Maslen Marble Works, of Hartford, has been incorporated with a capital stock of \$25,000. The incorporators are: Stephen Maslen, president and treasurer; C. C. Maslen, secretary and assistant treasurer, and H. L. Maslen. Mr. Stephen Maslen has been in the granite business at Hartford for 30 years and is well known in the Monument trade throughout New England.

ILLINOIS.

George Timm has opened a shop at Tuscola.

I. A. Groves succeeds J. M. Groves & Bro. at Metropolis.

S. L. Van Possen, of Beardstown, is erecting a new cutting room as an addition to his plant.

W. H. Flachtemeier, of Freeport, has bought out Schadle & Franz and will consolidate the two plants.

Frey & Co, Watseka, have sold their business to Friederichs & Mueller, which they will conduct as a branch of the business of Mr. Friederichs at Peotone.

Henry Burrucker, Mt. Carmel, writes that he has been in business 32 years, and has not employed agents for 22 years. He is discounting his bills and enjoying a good business.

The following dealers were recent visitors in Chicago: Louis Zinger, Pekin, Ill.; R. C. Heath, Monticello, Ind.; Charles F. Merkle of Merkle & Sons, Peoria, Ill.; Geo R. Campbell, Burlington, Wis., on business connected with a Chicago contract.

Kaufman & Wallheiser, Kankakee, have a number of contracts for good work to be erected in Mound Grove Cemetery, including two large spire monuments, and have just finished the erection of two sarcophagus monuments, valued at about \$1,500 each.

W. T. Cripps, of Buffalo, N Y., representing E. L. Smith & Co, Barre, Vt., passed through Chicago recently on his way home. He had been to Lawrence, Kas., superintending the erection of a monument for Dr. Simmons, of that city. It was 11 ft. 4 in high, and the surmounting piece was a large, polished urn of Barre granite, 7 ft. 4 in. high and three feet in diameter: and weighing over two tons.

The Zeran Marble and Granite Works, Cairo, were visited by a fire on January 29, which totally destroyed their office, causing the loss of all of their designs, samples, stationery, etc., and much damage to finished work in their salesroom. The accident will not interfere with the operation of their works which are in another part of the city. They have secured temporary quarters with enlarged facilities, and are putting in a finer line of finished work than they had before.

INDIANA.

Frank C. Wey, of Wey Bros., at Terre Haute, has filed a petition for a receiver.

J. L. Dille and Charles Clemens have formed a co-partnership and will engage in the marble and granite business at Greensburg.

Joseph Chancellor has bought an interest in the business of Crigler & Heber at Oxford, and will open a branch house at Fowler.

Indiana soldiers to be erected on the battlefield of Shiloh, has been awarded to the Muldoon Monument Co., of Louisville, through their Indianapolis agent John R. Lowe. The monuments are to be made of uniform design, 16 feet high, and will be made of Indiana oolitic stone. They will cost \$1,000 each, and are to be completed by September 1, 1902.

The monument recently unveiled at Knoxville, Tenn., to the memory of S. M. Patton, the architect, who perished in the Richardson building fire in that city, was erected by the Jno. S. Clark Monument Co., of Louisville. The memorial consists of a symmetrical Grecian column 16 feet high with a Corinthian capital, surmounted by a bronze bust of Mr. Patton. The column and pedestal are of fine hammered Barre granite.

MAINE.

Horace Murch has succeeded A. W. Libby at Buckfield.

The Machias Granite Co., of Machias, have sold their business to Butler & Scott.

MINNESOTA.

James T. Byrne, of St. Charles, has sold his business in St. Charles to a La Crosse firm, and will travel for the new proprietor.

A. G. Meyer, Mankato, has the contract to erect a monument for the Woodmen of the World at the town of Morton, in memory of J. H. Hill, a member of the order, who was killed during the storm at Galveston.

The Sullivan Monument Co., of Minneapolis, have furnished the design and secured the contract for the erection of a unique drinking fountain to be placed on the campus of the University of Minnesota. It will consist of a granite column crowned by a granite umbrella to be cut from one block weighing 36 tons. Bronze heads spouting water into four marble basins, will adorn the lower part of the column. It is a gift from Mr. Caleb D. Dorr, and will cost \$3,000.

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Colossal Bronze Statuary and Monumental Castings.

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YOU
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Brandon Italian also makes fine
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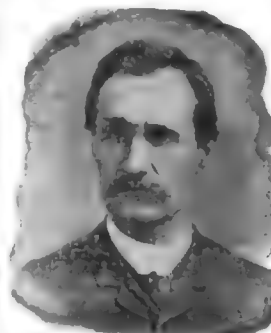


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letters do not fully express
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QUINCY GRANITE WORKS
QUINCY, MASS.**

Send your order for a sample job and be convinced.



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Monuments, Statuary,
— AND —
Cometary Wor of All Kinds.
from Quincy and New England
• GRANITES. •

Lettering, Carving and Fine Fin-
ished Work done with Pneumatic
Tools. Lathe-work a specialty. Best
Stock and Work guaranteed at low-
est prices.

W. T. SPARGO, South Quincy, Mass.

Notes of Retail Dealers—(Continued.)

MARYLAND.

George Francis Hoenicks, 72 years of age, a well-known citizen and marble dealer of Cumberland, died February 7, as the result of a fall on an icy pavement.

MONTANA.

A. K. Prescott, of the Helena Marble & Granite Works, has equipped his branch shop at Butte with improved polishing machinery, and is using considerable Montana granite. He writes that the only complaint he has about business is the extortion of the railroads.

NEBRASKA.

Kimball Bros. of Lincoln, have incorporated for the manufacture and sale of monuments; capital stock \$50,000; incorporators, P. B. Kimball, W. R. Kimball and C. M. Phillips.

NEW HAMPSHIRE.

John H. Emerson has sold his interest in the firm of Hartley & Emerson, to W. G. Baker and John D. Cummings, who will continue the business at Lancaster.

NEW YORK.

Philip Mindel, of Lyons, suffered the loss of his entire plant and stock by fire on January 28. The building was valued at \$2,500 and insured for \$700, and the stock was worth \$1,200.

William W. Jones, a well-known dealer of Utica, died of heart failure in February. He was 53 years old, was born in Wales, and came to this country 33 years ago.

The Harrison Granite Co., of New York, with works at Barre, Vt., have been awarded the contract for an important mausoleum in memory of the late Marcus Daly, which is to be erected in Greenwood Cemetery, New York City. It is to be an elaborate and costly piece of work, and will be surrounded by fluted Ionic columns, surmounted by a dome, and approached by flights of steps on each side. Col. Eugene Cushman, Superintendent of Greenwood, has been appointed by the executors to inspect the granite, and has recently visited the quarries at Barre in company with Mr. Geo. E. Harrison.

OHIO.

The Kinkead Marble Works at West Union, suffered heavy loss by fire; no insurance.

The Danison Monumental Works, who have plants at New Lexington, Somerset and Lancaster, expect soon to establish another branch at Nelsonville. They report business as good with excellent prospects for a busy season.

Stollberg & Schrader succeed Stollberg, Bros., at Toledo. The Smith Monumental Works, of Norwalk, are building an addition to their sheds, 30 by 100 feet. They will also increase their yard room and put in a new derrick and traveling crane. The firm has plenty of good orders for spring delivery and has been working a full force of men all winter.

F. H. King, Garrettsville, will erect a new building for his marble works.

William Carden, manager of the Beuna Vista Freestone Co. of Beuna Vista, was killed in the past month by the accidental discharge of a shotgun.

A. E. Foster, formerly with J. P. Manning & Co., of Washington, D. C., is now with Thos. Staniland, 228 S. Main street, Dayton, O.

C. Keim formerly of Johnstown Pa., has located at 905 Market St. Sandusky, O., where he is again in the monument business and would like to hear from his former workmen. Mr. Keim has recently discovered what he claims to be an infallible cure for piles and is now putting the remedy on the market. He is enthusiastic over its merits and says it would prove a Godsend to many a poor sufferer in the monument business.

The soldiers' memorial tablet to be placed in the assembly

room of the court house at Port Clinton, is under way at the works of the Hughes Granite Co. of Clyde. There will be nearly a thousand names on the tablet besides the name of the company and regiment of each man who fought in the last four wars.

PENNSYLVANIA.

Richard Collins, of Pottsville, died during January.

H. G. Lloyd, 1235 N. Wash avenue, Scranton, has bought the entire stock and plant of the late Aaron James, of West Scranton, and will continue both yards.

The steam stone works of William Gray & Sons, Thirtieth and Locust streets, Philadelphia, was totally destroyed by fire in February. The loss amounted to \$50,000, and included the entire plant containing much valuable machinery.

C. E. Rainey, of Millerton, has sold his business to E. J. Bailey, of Canton, and has shipped his stock to that town.

McColly Bros., of Latrobe, have dissolved partnership by mutual consent. E. A. McColly will continue the business.

Samuel Lattimore and John A. Fox, of Norristown, have purchased the marble yard of Howard Brandt.

Among the recent contracts of Hartzell & Smith, Easton, was a dark Barre memorial erected in Whitehall Township in memory of Lorenz Guth, one of the pioneer settlers of that county.

D. J. Howell's Sons, Easton, write that they have a great many orders for high grade work on hand, and expect to run their full force of men all winter with prospects indicated by present sales of being behind when spring opens.

S. DAKOTA.

The Aberdeen Granite Co., have begun the erection of a new building for their plant at Aberdeen.

C. J. Dietrich and G. J. Zirngible have purchased the business of C. J. Day at Watertown.

H. J. Riordan, formerly of Hot Springs, has removed to Central City.

TENNESSEE.

J. R. Carder & Co, Millington, report a successful year with a fine lot of orders for 1902, and are making preparations for a larger trade.

John White of Shelby County, one of the leading dealers of the state, died recently.

Stamper & Chapman, of Ducktown, have bought the stock of W. A. Lillard and the Cleveland Stone and Marble Co., at Cleveland, and will continue the business at the old stand.

TEXAS.

The San Antonio Granite Contracting Co., of San Antonio has formed and is making a specialty of blue and red monumental granite. Otto Zirkel, 802 E. Commerce St. is president of the new company, and says they are handling the best dark blue granite in the state.

VIRGINIA.

Charles Miller Walsh, Petersburg, whose cutting sheds, pool shop, and polishing mills were totally destroyed by fire in November, has his sheds and polishing mills up, and his full force of men at work. He expects soon to catch up with orders, and make up the loss which included two large dies for soldiers monuments, a partly finished statue of a confederate soldier, and a large quantity of other finished work and rough stock. They report a large number of contracts on hand, including several soldiers monuments, and some large building contracts.

T. J. Orndorff, of Winchester, has the contract for the erection of the monument to be erected in Stonewall Cemetery in that city to the memory of Confederate soldiers of Florida who are buried there. It is a gift of the Florida division, Daughters of the Confederacy, and is to be unveiled June 6,

Notes of Retail Dealers —(Continued.)

In our last issue the statement was made in this department that the Stewart Granite Works, of Mannington, and the West Virginia Monumental Co., of New Martinsville, had a joint contract for the Levi Morgan monument for which the state appropriated \$1,500. Our information was at fault, as The Stewart Granite Works have the entire contract for the monument, and are now engaged on the work. They write that the past year was the best in their 56 years in the trade, and that they have many good contracts booked for early completion in the anticipation of a splendid business for 1902. This firm also has the contract for the erection of an obelisk monument to John Blackshire, a 32d degree Mason.

WYOMING.

R. W. Bradley of Cheyenne was in Chicago last month buying a stock of marble and granite monuments and investigating brick manufacturing, which industry he intends adding to his varied interests. Mr. Bradley was formerly a Chicagoan but has been in business in Wyoming for fifteen years, in which time he has put up nearly all of the public buildings and many private ones in the state. He operates sandstone quarries at Sherman which produce a material almost as white as marble. It hardens on exposure to the atmosphere and is considered an excellent building stone. The Carnegie Library at Cheyenne is made of it. Among his recent contracts are the granite foundation for the new post office at Cheyenne, Science Hall at the State University at Laramie, to cost \$40,000 and numerous smaller jobs. The principal granite quarries now in operation in that section are at Platte Canon, Colo. The granite is something similar to Peterhead in color and lies on monstrous boulders ready for quarrying in sizes far beyond the limits of transportation. The polished columns at the entrance to the new station at Omaha are from these quarries. They measure 25ft in length, 3ft at base diminishing to 2ft, 6in.

ILLUSTRATIONS

Plates in Photogravure Edition.

(Formerly The International Edition).

- NO. 612. DESIGN FOR MONUMENT, "SHINE."
By James F. Price. Sizes: Base, 5'-0" X 3'-0" X 1'-2"; Die, 4'-0" X 2'-0" X 2'-3"; Height, 3'-5".
- NO. 613. DESIGN FOR COTTAGE MONUMENT,
By R. C. Blocksom, Boston, Mass. Sizes: Base, 3'-10" X 3'-10" X 1'-4"; Base, 2'-10" X 2'-10" X 1'-0"; Die, 2'-0" X 2'-0" X 5'-0"; Height, 7'-4".
- NO. 614. CONFEDERATE MONUMENT UNVEILED
last summer at Springfield, Mo. Heroic bronze figure of a Confederate soldier, modeled by G. Trentanove, mounted on a pedestal of Woodbury granite. Height of figure and pedestal, 40 feet; height of statue 13 feet; bronze tablets, bearing flags and inscriptions, ornament the die.
- NO. 615. THREE BRONZE MEMORIAL TABLETS, CAST
at the foundry of Jno. Williams, New York. Tablet to the memory of Rev. Geo. D. Armstrong, erected in Presbyterian church, Norfolk, Va., modeled by William Couper; size, 4'-3" X 3'. Tablet in memory of John S. Brumback, erected in the public library which he presented to the town of Van Wert, O.; size 13 X 40 inches. Tablet in memory of Rev. George W. Pepper, modeled by Ora Colman, Cleveland, O.; erected by Joseph Carabelli.
- NO. 616. MONUMENT TO WILLIAM HENRY YOUNG,
erected by Lazarri & Barton in Woodlawn Cemetery, New York City,

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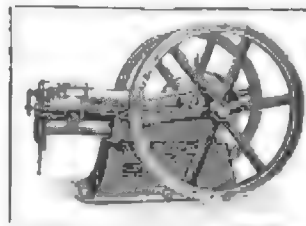
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WRITE FOR PRICES.

At the QUARRIES

BARRE, VT.

(From Our Regular Correspondent.)

Before this number of the MONUMENTAL NEWS reaches its readers the Barre Granite Exchange will be an accomplished fact and the new rules and regulations in full working order. The Manufacturers' Association has issued a circular to the Trade in the United States and Canada, explaining and justifying this forward step. After referring to the increased cost of production owing to the reduction of working hours, higher wages and greater cost of all materials used, these two reasons are given for the fact that the selling price of finished work has been lower, instead of higher than before: the lack of a uniform basis of scale of prices for estimating granite work and unscrupulous competitions. The circular continues,

"To place the business in better condition, we have decided, first, to establish a scale of prices by which all work shall be figured, this scale of prices to be based, as nearly as we possibly can get at it, on the actual cost of producing work and putting same f. o. b. cars at our works.

"Second, by establishing a granite exchange through which all estimates on granite work shall pass, and also all contracts, for the purpose of seeing that no price is quoted or work taken below our established scale of prices. This will not do away with our present competitions, for it will be necessary for manufacturers to add their profit, as they estimate same, to the established scale of prices; but it will do away with the mistakes and errors that are now made, which we find are a large item in the course of the year, and we believe that this will be a beneficial to the trade as to the manufacturer, for there have been many instances where manufacturers have quoted prices to the trade on a certain piece of work, the dealer would sell the work based on that price, offer the manufacturer the work at price quoted, and, in the meantime, the manufacturer had found out that he had made a mistake and would refuse to fill the order, or purposely delay the filling of same, compelling the dealer to buy the work of someone else for a much larger figure. Under our new plan, there will be no excuse for any manufacturer doing this, for he will be assured that he will at least, get the money back that the work cost him.

"We expect this plan to go into effect March 1, and all contracts and orders not placed by that time will have to go through this office.

"While it is not our present intention to raise the price of the manufactured product, incidentally, there is no doubt but what it will raise the price from 10 to 15 per cent. Therefore, we ask that dealers will govern themselves accordingly, as we can not accept any orders after March 15th, on estimates now being made, or which have been made in the past, unless same are in accordance with scale of prices now established.

"We ask and hope to merit your hearty co-operation in this movement. While, as we say, the price may be raised a small percentage, we expect that this will be counterbalanced by giving you better service, better material and a better quality of work. Also by weeding out of many of the irresponsible parties who are now your worst competitors, as all they make above cost of foundation, freight and setting is clear gain.

The important position of manager of the Exchange has been given to Mr. James Mackay, recently of Imlah & Co., an excellent choice and one that gives general

satisfaction. Mr. Mackay has just finished his third term as President of the Manufacturers' Association, and is one of the officers of the New England Association. He is now serving his second term as Alderman of ward 3, and has been president of that board for the past two years. In these important positions he has always shown marked ability and gained the confidence of



his associates and the public. On all hands the Association is congratulated on its good fortune in securing him. He will withdraw at once from the firm of Imlah & Co. and resign his aldermanship, so as to be able to give his whole time to his duties as manager, which he will take up March 1st. He will be assisted by a board of directors, consisting of Messrs. George Mutch, D. H. McLeod, J. H. Boutwell, T. W. Eagan and J. A. Cross. Undoubtedly the first few months will be a trying time for all concerned, but it is evident that everything will be done to give the new plan a good start and a successful trial.

The Granite Manufacturers Association held its ninth annual banquet at the Pavilion, Montpelier, Tuesday evening, February 11th, with the largest and most representative attendance in its history. After all had fully discussed the elaborate menu, President W. S. Alexander in a few chosen sentences extended a cordial welcome to all present, and especially to the delegates from the New England Granite Manufacturers' Association, who were attending the annual meeting of that Association at Barre. He then introduced Senator J. A. DeBoer, of Montpelier, as toastmaster, who delighted everyone by the wit, wisdom and eloquence with which he filled the position. Naturally the toasts and speeches took special note of the new departure that the Association was about to make. Mayor Brown struck the keynote of the evening when he said that the essential thing to the success of the plan was confidence in each other. In speaking to "Banks and the Granite Business", A. J. Sibley stated that when the granite business began, the capital and deposits of the banks in Washington Co. were about \$500,000.00, but are now nearly or quite six millions. The fact of the Exchange had great attractions for bankers, as it supplied an element of safety which had always been lacking, and will encourage them to liberality in sustaining the business. F. G. Howland, of the National Bank of Barre,

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The Finest Grades of Quincy Granite
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AT THE QUARRIES—(Continued.)

stated that in the 17 years that he had been connected with that institution it had not lost \$1000.00 by discounting notes for our manufacturers. Dr. J. Henry Jackson, of Barre, said that he had counted 767 distinct advantages of "Co-operative Competition" without exhausting the list. The Barre manufacturers had been wearing themselves out for years by competing without co-operating, and had very little to show for it. It was now time to try the new plan, which he urged as a physician and a business man. Ex-president Mackay in speaking to "The New England Association" made the point that there was really no reasons for jealousy between the sections, as there was need of all the varieties to meet different conditions and tastes. The erection of a valuable monument or building of granite was an advantage to the whole trade. Mr. E. L. Sirith described some of the "Primitive Methods of Quarrying," and Eugene Sullivan advocated the teaching of carving in our public schools. The whole affair was exceedingly enjoyable and profitable.

The New England Association held its annual meeting the next evening at Barre with a good attendance of delegates and others. The time was so fully occupied in the discussion of various important matters that the election of officers had to be postponed to a later meeting to be held in Boston. During the day the delegates as guests of the Barre Association visited many of the cutting plants and were taken by special train to all the quarries, much to their delight and satisfaction.

The visitors included W. H. Mitchell of the Mitchell Granite Co. of Quincy, Mass., C. H. Rogers and George H. Towle of the Rockport Granite Co., of Rockport, Mass.; J. W. Booth of Booth Bros.; O. W. Krum of Norcross Bros. of Milford, Mass.; Seward Jones of Jones Bros., Boston and J. W. Goodell of Burlington.

February was a cold rough month, and was unfavorable for quarrying, tho' considerable stock was gotten out. Despite the weather important improvements have gone forward on the "Hill". Milne, Clarihew & Gray have just finished the erection of two new derricks of the large modern type, capable of handling anything to the limit of transportation, also a Blondin grout-carrier. On their large quarries they now have five first-class derricks in constant use. New hoisters have also been installed, so that the firm feels thoroughly equipped for the largest amount of business possible, and able to handle it promptly and easily.

Libersont, Innes & Cruickshank have also installed new derricks and machinery at their quarries, and now have them in full working order.

C. W. Melcher of Melcher & Hadley has been nominated for mayor of the city and will doubtless be elected.

M. T. Noonan, of Noonan Bros., died Feb. 11th after a long illness.

The granite plant of Robert M. Fraser at the Poiner was burned to the ground early in February, entailing a loss of \$12,000, with insurance of \$3,000. The loss included about \$6,000 worth of finished work nearly ready for shipment. The fire is believed to have been of incendiary origin, as no fires are kept in the

plant during the night. Dillon & Haley have offered Mr. Fraser temporary shop room to finish his orders with.

QUINCY, MASS.

(From Our Regular Correspondent)

February has seen spring orders placed with a rush and the manufacturers are straightened away for a busy season. The weather has been favorable the past month, but stock shortage still holds sway.

The quarry owners are not entirely to blame. Orders have accumulated particularly for stock of an extra dark shade, and these are being filled and delivered in turn. Two enterprising firms have taken the bull by the horns and bought quarries outright.

Swingle & Falconer, a firm noted for its progressiveness, purchased the quarry lately owned and operated by Elcock & Sons. The product of this quarry needs no comment, for local manufacturers are a unit in declaring it to be the best available. Messrs. Swingle & Falconer propose to develop the quarry scientifically and will spare neither labor nor expense in marketing stone of a superior quality. True, their extensive manufacturing plant in South Quincy will have the first call, but Mr. Swingle informs the writer that the home and out-of-town trade will be supplied with all possible alacrity.

Another important deal was closed the first week in February, whereby the quarry property of the estate of the late Alphonse Reinhalter came into the possession of Thomas F. Mannix. Mr. Mannix' increasing business was being jeopardized by his inability to get Quincy stock on time, so his only alternative was to buy a quarry. The property adjoins the purchase of Messrs. Swingle & Falconer and the stock, an extra dark blue in shade, is almost identical with the stone in the adjoining quarry. The Mannix purchase is the deepest granite quarry in the United States and has produced nearly a million dollars worth of the most extra dark blue Quincy granite.

On account of the quarry's great depth the stone is practically free from all imperfections such as sap streaks, rust or stains of any kind. Mr. Mannix, whose modern manufacturing plant warrants the assertion, says that he will develop the quarry as it should be and has already supplied many local dealers with his newly purchased product. The Quincy Granite Quarries Co., owning the bulk of remaining quarries and there not being enough to go around, the manufacturers will welcome the late sales and see a way clear to the solving of a vexatious trade problem.

Another Quincy made job of home material will mark an event in the nation's history. Thomas & Miller have ready for shipment a 40 foot polished shaft which was cut to be erected on the site where the wounded Continental troops were quartered after the battle of the Brandywine. Six hundred members of Washington's army were cared for here at Ephrata, Pa., by the Seven-Day Baptists. Four hundred died from wounds and disease. Up to the present, their burial place, adjacent to the hospital camp, has been inap-

(Continued on page 194.)

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are on the same spot they have been for the past 25 years, but have been reconstructed to meet the advance of trade.

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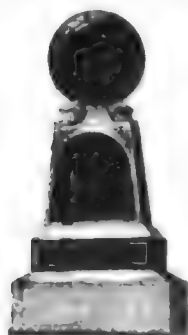
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At Hardwick, Vt., indications are favorable for a busy year. Bickford, More & Co., have just secured the contract for furnishing the granite for the new union terminal station of the Lake Shore and Rock Island Railways at Chicago, which with their monumental business will necessitate an enlargement of their plant, and it is estimated will give employment to about 150 cutters for nine months. The granite parts of the new structure will be 141 feet high, and will consist of a frontage of 206 feet and side walls measuring 209 feet. Between 350 and 400 car loads of granite will be required, and nearly all of it is to be fine hammered. The contract is valued at about a quarter of a million dollars. Changes in the bill of prices with the cutters are to be made March 1, but no serious conflict is expected.

Reports from Milford, N. H., say that business is good, but that a shortage of rough stock is prevalent. More men are at work than ever before at this time of year.

The granite interests of St. Cloud, Minn., have organized and appointed a committee for the purpose of securing a modification of freight rates from the roads of the Middle West. The committee consists of Walter Arnold, W. J. Holes and H. C. Eroid, who have recently visited St. Paul, and are reported to have received assurances that the concessions asked for will be granted. Some of the instances of discrimination quoted are as follows: Eastern granite can be delivered in Illinois at 30 cents per hundred pounds, while the rate from St. Cloud to the same point, one-fourth of the distance, is 56 cents. Granite from Maine can be shipped to Hastings, twenty miles south of St. Paul, for 80 cents per hundred pounds, a distance of more than 1,600 miles, while it costs 30 cents from St. Cloud to Hastings, a distance of less than 100 miles. Eastern granite can be laid down in Lincoln, Neb., for 70 cents per hundred pounds, while the rate from St. Paul, which is but one-third the distance, is 56 cents.

Anderson Bros. & Johnson, Granite Heights, Wis., report that the demand for that granite is growing rapidly. They have just added three polishing machines to their equipment, and report plenty of contracts on hand to keep them busy.

Brisk business is reported from Morrisville, Vt., and only the difficulty of getting rough stock prevents an increase in the force of men. Good weather is expected to improve these conditions.

The New England Granite Co. has been awarded the contract for the granite work on the new Blackstone Library to be erected in Chicago.

Henry Smith & Sons, of Baltimore, have been awarded the contract for the construction of the new custom house to be erected in that city. It is to be built of Maryland granite furnished by the Maryland Granite Co. The Mount Waldo Granite Co., of Frankfort Me., is said to have been the lowest bidder, but an arrangement was made by which the contract could be filled with Maryland granite.

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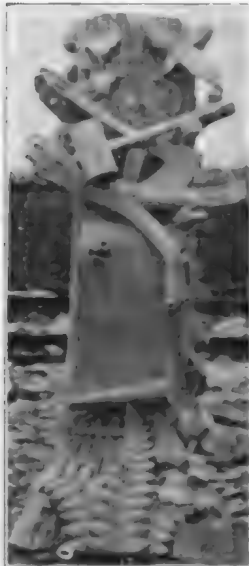
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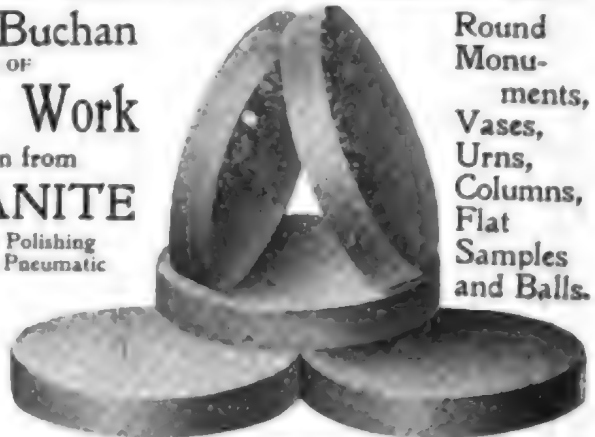
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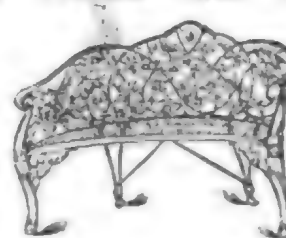
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1881. **THE QUINCY CO-OPERATIVE GRANITE CO., 1902.**
QUINCY, - MASS.

AT THE QUARRIES (Continued)

appropriately marked. The monument resting on a ten foot square base will mark this spot and will be dedicated with suitable ceremonies a few weeks hence.

A Barre, Vt., dispatch to Boston papers told of a vote taken refusing Quincy's withdrawal from the New England Manufacturers Association. Prominent manufacturers when interviewed on the subject, denied the fact that Quincy was a member of such association and had little to say complimentary to Barre's action in the late labor troubles. Quincy, to their way of thinking, is determined "to go it alone," the vote to the contrary notwithstanding.

Luther S. Anderson, Patrick W. Driscoll, John Q. A. Field, John Cushman and Timothy Galvin comprised a committee of the Manufacturers' Association, who met a like committee from the Quarrymen's Union February 17th, and sought a solution of the promised labor difficulty with the quarry workers. This meeting may be said to be but the preliminary round of the struggle which is to follow. The quarrymen made known their claim of an 8 hour day with 9 hours pay, wages to be paid weekly. March 1st is the date set for the strike, unless their demand is complied with. The affair was discussed informally, with no definite action taken. The quarrymen will report to their Union and await its action. Quarry owners of the Manufacturer's Association, meanwhile, will give the matter more thought and another and more important meeting of the committees is looked for, before the date set for a suspension of work. A conservative quarry owner and manufacturer when seen, was of the opinion that a strike was inevitable. How long or far reaching the struggle will be remains only to be seen.

Manager Morgan of the Quincy Granite Quarries Company, is alive to the situation in this city and is using every endeavor to clear up a bulk of orders at the syndicate's various quarries. Already their O. T. Rogers property is bearing the fruits of much labor, and a 20 foot vein of extra dark stock is available.

B. J. Langhorn, late of Cook & Watkins, has entered the employ of the Quincy Granite Quarries Co.

Following is a partial list of the granite dealers to visit the trade during February: C. Rogers Smith, Middleton, N. Y.; J. A. Warren, Painesville, Ohio; E. D. Temple, Greenfield, Mass.; T. W. Nickerson Hyannis, Mass.; F. G. Cummings, Haverhill, Mass.; A. L. Walker, Boston, Mass.; F. D. Fuller, Nashua, N. H.; L. B. Greeley, Exeter, N. H.; M. Chapman, Shelburne Falls, Mass., and Mr. Blake, of the Blake Granite Co., Athol, Mass.

John Wolf, granite dealer at West Quincy, has filed a petition in bankruptcy. Liabilities, \$2,701.70; assets, \$300.

The granite shipments in pounds from the various depots for January follow:

Quincy Adams.....	2,067,113
West Quincy.....	2,439,130
Quincy Granite Quarries Co., via. Quarry Railroad.....	1,378,010
Total.....	5,884,253

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EACH AD you publish should be one installment of a serial story. Get people to believe that you are in business to stay, that the article advertised in your space to-day is but one of many.

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EAST MILTON, MASS.

THE NORTHERN NEW YORK MARBLE CO., GOUVERNEUR, N. Y.

Producers and
Finishers of...

Dark Blue Northern New York Marble

Also operating in connection the quarry and plant of the EMPIRE MARBLE CO.,
with unexcelled quarrying facilities and well equipped manufacturing plants,
we are prepared to furnish promptly the best

DARK BLUE MARBLE

Sawed and finished in a most satisfactory manner for

MONUMENTAL AND BUILDING PURPOSES.

SEND FOR PRICE LIST OF FINISHED MONUMENTS.

ROMAN BRONZE WORKS.



Statuary
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Bronze
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SO. QUINCY, MASS.

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GUMB BROS..

Mfrs and Dealers in

Granite and Marble Work

of all kinds. Don't fail to get our prices.

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ESTABLISHED 1851.

Bronze Statuary

Tablets, Medallions, Doors, Gates.

and everything in the line of

ARTISTIC AND MONUMENTAL WORK.



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Model
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Proprietor of the famous A. REINHALTER

Extra Dark Quincy Granite Quarry

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Columns, Balls, Vases, Urns, Round Monuments, Samples, Etc.

Polished Balls mounted to hang on your watch chain.

Dies, Bases, Caps, Etc., Squared and Polished for the Trade.

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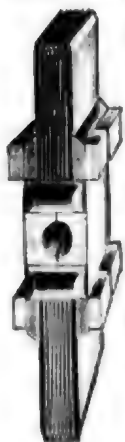


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AIR COMPRESSORS

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Manufacturer of All Kinds of

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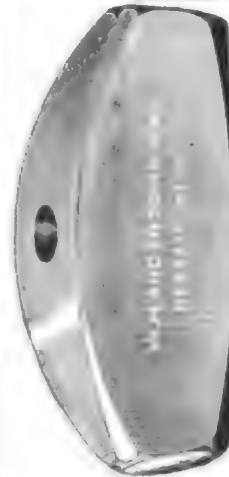
My aim is to give the best stock and workmanship that can be obtained. Write for prices.

4 Nelson St., W. Quincy, Mass.

Your Tools

(Good Tools are necessary to good work and profitable results.)

For 31 years we have been making Tools for Stone, Marble and Granite workers.



Correct design and reliable quality are embodied in our tools.

PRICES ALWAYS FAIR.

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Mfrs. Tools & Contractors' Supplies,
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J. G. SPEIDEL,

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Sole Manufacturer of

**SPEIDEL'S
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ECONOMIC SAFETY
HOISTS.**

Columbia Safety
Dumb Waiters
and Elevators.

Traveling Cranes,
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Send for Catalogue
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EASTON, PA.

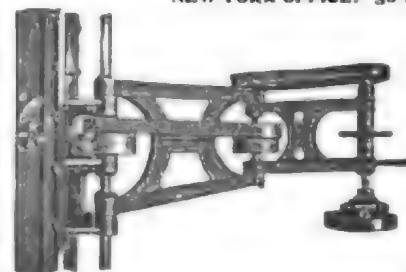
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**The Eagle Polishing
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The most economical
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Write for price list and
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**GENERAL FOUNDERS AND MACHINISTS.**

For Quick Working TRAVELING CRANES

Up to Forty Tons Capacity, Suitable

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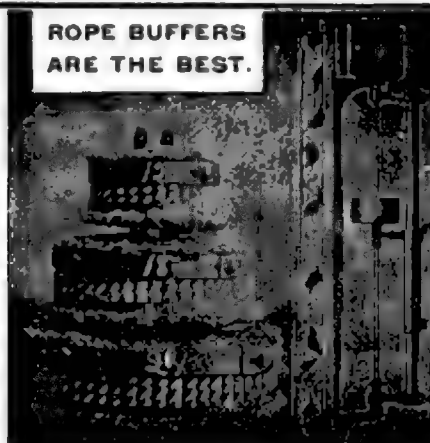


BUY YOUR CUT
BASES AND
MONUMENTS
OF

Correll & Groh

Bloomington, Ind.
OUR BLUE STONE
makes fine bases and
cut work for build-
ings. Our fine Oolitic
Stone for Monu-
ments. Either
is the best in the
country.

ROPE BUFFERS
ARE THE BEST.



W. A. LANE,

...Manufacturer of...

Granite City Polishing Machines

Rope Buffers, Scroll Rubbing Wheels, Etc.

Manufacturer of
**Monumental
Work**

IN ALL ITS BRANCHES
Pneumatic Tools Used
BARRE, VT.

ORIGINAL DESIGNS.
DETAILS.

PERSPECTIVES IN
WATER-COLOR.



ARCHITECTURAL
SCULPTURAL
MONUMENTAL
ORNAMENTAL

DESIGNS

Mausoleums, Vaults, Chapels, Columbariums.
Tombs, Statuary, Bas Relief, Medallions.
Memorials, Sarcophagus, Spires.
Tablets, Bronze, Mosaic, Glass, Etc.

Full size, detailed working drawings. Perspectives, plans, sections, sketch models in Water Color. Send order with all information which will be a guarantee that I will not make designs against you in that particular case. No one can enter my Study and inspect designs not their own or so intended.

What Our Advertisers Are Doing.

We want to hear from all wholesale dealers who sell soldiers monuments and have designs for them. V. N. & R. A. Pearsall, Retail Dealers, Gaud Ledge, Mich.

The W. A. Lindsey Company has been incorporated at Pittsburg, Pa., to take over the wholesale marble, granite, and stone business of W. A. Lindsey, in connection with the patent polishing machine, for which letters patent were granted July 9. The company is capitalized at \$125,000, and will have the following directors and officers: J. K. Stewart, Dayton, Ohio; H. A. Flexer, Philadelphia, Pa.; H. C. Raiber, Pittsburg, Pa.; W. A. Lindsey, Pittsburg, Pa.; with Mr. Lindsey, as President and General Manager, and L. C. Koehler, temporary Secretary and Treasurer.

The main office will be in the new House office building corner Water and Smithfield Sts., Pittsburg and the Philadelphia offices will be in the Stephen Girard Building, 21 South 12th St.

An article having appeared in one of the trade papers conveying an erroneous impression concerning the Clayton Air Compressor Works, of New York, Mr. T. J. Jones writes that they are doing business the same as heretofore and will continue doing so.

Frederick P. Bagley & Co., Chicago, merchants and workers in exterior and interior marble construction have recently completed some very elaborate marble work in large Chicago churches and are now engaged on similar contracts. They are prepared to furnish marble work of every description in all American and imported marbles and solicit an opportunity to submit estimates. They also represent the Georgia Marble Co. in this city and adjacent territory for sawed and finished Georgia Marble. When in the market for work of this nature write for prices.

Monument dealers who are investigating the subject of gasoline engines will do well to look into the merits of the Olds' Gasoline Engine manufactured by the Olds Motor Works Lansing, Mich. Quite a number of these engines are now in use by monument dealers. They are recommended for their simplicity, strength, reliability and economy all of which are features of great importance. A complete catalogue will be sent on application.

Eureka Polishing powder for use on all kinds of marble is supplied to the trade by the Eureka Polishing Powder Co., Taylorville, Ill. This powder has been in use for the past twelve years by many of the largest firms in the United States, which fact is sufficient recommendation to our readers who are not familiar with it. Eureka Powder does away with the use of acid and putty and its manufacturers claim that even inexperienced polishers get good results with little labor.

Architects and contractors for mausoleums, receiving vaults, chapels and similar work requiring attractive interior will find the enamelled and glazed bricks furnished by the Hydraulic Press Brick Co., of St. Louis, Mo., admirably adapted to such uses. These beautifully moulded and finished bricks are made of various colors and shapes in English, Roman and standard sizes, making it possible to carry out color scheme in interior decoration of vault, vestibule and chapel walls with pleasing effect. Full information concerning the bricks may be had by addressing the Hydraulic Press Brick Co., Manufacturers, Union Trust Building, St. Louis, Mo.

Cross Brothers, granite manufacturers, Northfield, Vt., are

western agents for the sale of pink granite, finished and in the rough, from the quarries of Ward & Douglas, of Montpelier. The latter concern is putting in a modern equipment at their quarries and will be prepared to furnish a fine quality of light pink granite early in the spring. They have a solid block, broken out last fall, which measures 50x35x17.

The American Air Compressor Works has been organized in New York City, composed of William S. Fairhurst and Frederick B. Vail, formerly of the Clayton Air Compressor Works, John J. Reilly, formerly of the South Brooklyn Steam Engine Works, Brooklyn, N. Y. They intend putting on the market "a compressor simple in design, durable and economic in power consumption." Their offices are located at 26 Cortlandt street, New York.

The Ryle & McCormick Co., Montpelier, Vt., have just received a large monumental contract from New Jersey. It consists of a shaft mounted on two bases standing 45 feet high, and weighing 85 tons.

The Troy White Granite Co., Worcester, Mass., has the contract for a monument in their well-known white stock for the H. H. Legg Post, G. A. R., of Uxbridge, Mass. It will be in the form of a shelter tent, five feet long, four and one-half feet wide, and four and a half feet high. On one end will be represented a canteen, and on two sides will be inscriptions. It will be similar in design to the soldiers' monument on the field of Gettysburg, and is to be mounted next Memorial Day.

Bureau Bros. have just cast at their bronze foundry in Philadelphia, the last one of the standing figures which are to form a part of the Smith Memorial Arch, now in course of erection in that city. It is a statue of Major General Reynolds, modeled by Sculptor Charles Gaffey.

The Winnsboro Granite Co., Charleston and Rockton, S. C., have received the contract for the Land Title Building to be erected in Philadelphia. The building is to be 23 stories high, and three fronts granite. They are to increase their capacity at Rion, and are anticipating a busy season at their quarries in Fairfield county.

The demand for polishing machines built by the F. R. Patch Mfg. Co., Rutland, Vt., has been so constant that it was a question with the company whether or not to withdraw their advertising. They concluded, however, to increase their manufacturing capacity and are now making up the machines in lots of twelve at a time so as to insure the prompt filling of all orders. Intending buyers of polishing machines should write for particulars.

Dealers and contractors who have mausoleums and large monumental work to set should get estimates from J. E. Roche, Westerly, R. I. Mr. Roche is an expert setter and travels all over the country.

Charles D. Wilcox, proprietor of the Rhode Island Granite Tool Works, Westerly, R. I., calls the attention of dealers and workmen in need of granite tools to his advertisement. Price list will be sent on application.

Nathan C. Harrison, general agent for the Harrison Supply Co., Boston, Mass., recently returned from England and Scotland, where he went to buy goods for this year. They have just received 92½ tons of shot in one shipment from England and Scotland, said to be the largest single shipment of shot ever brought into the United States. Business is very good with the company and future prospects are extremely bright.

FOR MAUSOLEUMS, VAULTS, BUILDINGS, &c. ENAMELED AND GLAZED BRICKS

OF VARIOUS COLORS AND SHAPES IN ENGLISH, ROMAN AND STANDARD SIZES.

THE HYDRAULIC PRESS BRICK COMPANY, MANUFACTURERS,
UNION TRUST BUILDING, ST. LOUIS, MO.

Millstone Granite Quarries

Henry Gardiner, Sole Prop. P. O. MILLSTONE, CONN.
Quarries opened in 1830.

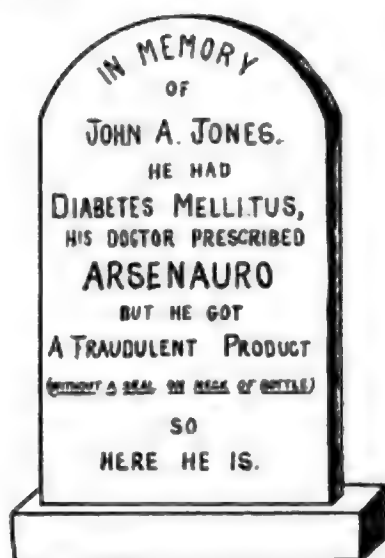
THE ONLY GENUINE MILLSTONE, CONN., GRANITE.

Finished Monumental work and Rough Stock wholesale. Certificate of award at the Centennial Exhibition of 1876 on Millstone Granite, for the good color of the stone, its fine close grain, and good polish, and the marked contrast between the polished and dressed surfaces; a character which gives unusual distinctness in ornamentation and makes it especially adapted to fine cemetery work.

Telegraph and Telephone, NEW LONDON, CONN.

EPITAPHS.

A patent medicine company uses this factitious headstone as an advertisement:



John Klar, Westfield, Mass., sends this one, which was taken from a Southern Massachusetts cemetery:

In memory of Julius Lee, who was exploded in a Powder Factory July 14, 1821; aged 21.

Geo. E. Woodruff, Decatur, Ind., sends the two following:

Farewell father, thou hast left us not a darn cent, so here goes; just a thirty-five cent footstone will do to mark your toes.

This one was on a six inch die in a cemetery near New Corydon, Ind:

Blackhawk Lucretia Julia Lydia Rosa Mabala Catharine, dau. of I. and L. A. Macklin, died May 18, 1892, aged 1 yr. 12 days.

"Old Miller Carey," of Bridgewater, Mass., in ancient time, was the cause of the following distich once current there:

Experience and Mary, Susanna and Saries.
These were the wives of old John Carey.

THE STONE TRADES JOURNAL ILLUSTRATED.

Established 1882.

A trade journal read by merchants and workers of Stone, Marble, Granite and Slate. Architects Builders, Sculptors, Monumental Masons, Quarry Owners, Manufacturers and users of Stoneware, Tiles, Bricks, Cement, Surveyors, Sanitary and Municipal Engineers. **MONTHLY FOURPENCE.** By subscription for Countries in the Postal Union 5s. 6d. postfree per annum payable in advance.

Offices: 111 Fleet Street, London, England.

Subscriptions and advertisements received at "The Monumental News" Office.



GROOVED AND BOLTED SLATE GRAVE VAULTS

CLEAN, STRONG, DURABLE

Can Ship at Short Notice.....

All Sizes Kept Constantly in Stock

Special Attention

Given to.....

CATACOMBS AND STRUCTURAL WORK

Write for prices and particulars to the Manufacturers

THE BANGOR SLATE CO.

BANGOR, PENN.

A Good Word for the "Sales Records"

FORNESS SONS,

Manufacturers and Dealers in

Granite, Marble, Statuary,

And all kinds of Marble Work.

SALAMANCA, N. Y., January 3d, 1902.

THE MONUMENTAL NEWS,

CHICAGO, ILL.

Gentlemen:

We used one of your trial size Sales Records and find it the most practical, useful and convenient method we ever tried to keep a record of sales, and here is a check for two books containing 250 pages each. Cannot do without it.

Yours truly,

FORNESS SONS.



THE MONUMENTAL NEWS.

A MONTHLY JOURNAL OF MONUMENTAL ART.

VOL. XIV. Chicago, April, 1902.

NO. 4.

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*Illustrated.

Quarrymen Strike. Just at the opening of what promised to be an unusually prosperous year at Quincy, Mass., differences between the quarry owners and their employees has brought about a disastrous strike. The action of the quarry owners in refusing to grant the demands of the workmen for decreased hours and increase in pay has not only tied up the quarries, but has forced manufacturers to discontinue work because of a lack of rough stock. The State Board of Arbitration has taken the matter in hand and hopes are entertained for an early settlement of the troubles. The Quarry Owners' Association at Barre has declined to grant a similar request made upon it by the local quarry workers' association and it is feared a strike will be the result on April 10. Without going into a discussion of the merits of the case it behooves the quarry owners at both Quincy and Barre to make an early settlement of their differences or be content to sacrifice a very large amount of business that will be diverted to other places.

Freight Rates. The latest ruling of the Western Classification Committee to increase the freight rate 20 per cent. on all material that exceeds in value the restricted valuation under which it is shipped, will, if enforced affect every shipment of marble and granite into western territory. This action was to have taken effect this month, but will be deferred until after the July meeting of the Classification Committee if the efforts now being made are successful in securing a suspension of the ruling until that time. The number of favorable assurances already received by Mr. H. D. Pierce, who is in communication with the principal roads on the subject, indicate that the request for a suspension will be granted. In view of the repeated appeals to restore the former classification of marble and granite shipments, and the evidence the Classification Committee must have had before it, as to the justice of such a demand, their recent action adds insult to injury and increases rates that have already proven a menace. It is the opinion of many that no modification of the present rates need be expected from the railroads represented in the eastern and western trunk lines until the proposed amendments to the Interstate Commerce laws now before Congress are adopted and enforced by the Commission. Resolutions adopted by the Granite Manufacturers' Association of New England relative to these amendments have been presented in Congress, and it is confidently expected that manufacturers will soon have an opportunity to present their claims for the consideration of the Committee. The resolutions referred to will be found on the following page. Dealers and manufacturers in sympathy with the proposed action, and all ought to be, should communicate at once with their representatives in Congress urging the passage of the bills referred to in the resolution.

* * *

The Committee appointed by the New England Granite Manufacturers' Association to take in hand the matter of freight rates is accumulating an array of facts that will make an impressive showing before Congressional or Traffic Association Committees. In order to have all such information that will be of service in correcting present abuses,

dealers and manufacturers throughout the Union who have any grievances should make a plain statement of facts and forward to the Association in Boston without delay.

Through the efforts of the granite manufacturers of St. Cloud, Minn., material reductions in freight rates have been secured from the two lines of railroads running through that city. This reduction will be of great benefit to the monumental industry of St. Cloud.

Memorial to Congress. At the annual meeting of the Granite Manufacturers' Association of New England, the following resolution was unanimously adopted:

WHEREAS, The Interstate Commerce Law declares that railway rates shall be just and reasonable and shall not discriminate between persons, localities or communities, and creates a Commission for the purpose of according to the public the benefit of these provisions; and

WHEREAS, That Commission, in view of the interpretation which the courts have put upon the original Act, has not at the present time the necessary power to secure shippers and the public just, reasonable and non-discriminatory rates, and cannot even exercise the authority which it did in this respect during the early years of its existence;

Resolved, That the Act to Regulate Commerce should be so amended as to give the Interstate Commerce Commission the means to enforce the provisions of that Act and especially in the following particulars:

1. To give the Commission power, after it has upon formal complaint and hearing determined that a rate or a practice is in violation of law, to prescribe the thing which the carrier shall do to bring itself into conformity with the law. There is no way in our opinion in which the public can be secured in the enjoyment of a just rate except by compelling the carrier to make that rate.

2. To make the orders of the Interstate Commerce Commission effective of themselves, subject to the right of the carriers to review the lawfulness and reasonableness of these orders in the courts. Under the present system it has required on the average more than three years to compel a railroad to obey an order of the commission. After a shipper has tried his case before the Commission and obtained an order for relief he must still spend three years in litigation before that relief is available. No such system can in most cases be of any benefit to the public.

3. To require a uniform classification. The present power of the railways to change classifications at will puts the shipper completely at their mercy. This is illustrated by the action of the railways in putting in effect their new classification January 1st, 1900.

4. To compel the railways to keep their accounts in a specified manner and to make those accounts open to government inspection. This is no more than is now required in case of National Banks and would be the most effective means of preventing the payment of rebates and similar unlawful practices.

We believe those amendments are embodied in Senate Bill No. 3575, introduced Feb. 5, 1902, and House Bill No. 8337, introduced Jan. 9, 1902, and we urge upon our Senators and Representatives in Congress to give these bills their careful consideration and support.

Leaders, Not Followers. There is urgent need for a more progressive spirit among monument dealers. The comparatively few that are at present acting as missionaries in the good cause of bringing memorial work up to date, only serve to prove the necessity for higher aims for the trade generally. As a matter of fact monument dealers should be leaders and not followers, and the much discussed arbitrary rulings and refutations of the modern cemetery officials are quite as much a necessity for the control of the dealer as for the lot owner. Such laws have been adopted because experience has demonstrated that to improve and conduct a cemetery on lines demanded by modern thought and culture, rigid rules are absolutely required to maintain some sort of harmony between the monumental features and the landscape art which is now the dominating characteristic of cemetery development. In the modern cemetery such abominations as dilapidated copings, discolored sandstone bases under marble and granite monuments, defective foundations, and unnecessary stones for whatever purpose, are a positive detriment to the place, and in such matters the monument dealer has been, and still is, closely associated, and, moreover, largely to blame. In cemetery memorial work we have arrived at the time when quality and not quantity must be the argument to seal a contract, and this of course implies beauty of design—and there is more money in it, too. Another principle is originality; there should be no duplicates in any one cemetery. In material, in proportion and in harmony there are wide opportunities for both the display of taste and skill, and every monument dealer should constitute himself an instructor in his community, looking to a higher appreciation of what art means in the condition of such community. He should by example and precept endeavor to induce the selection of the best designs for the cemetery memorial irrespective of immediate personal benefit, and the near future will amply demonstrate the wisdom of this improved conception of a business venture. It is certain that in every community over the country the monument dealer should be the recognized arbiter on memorial art in his district, and were this the case, and the dealer, as he should, be properly qualified for his business, the cemetery in every case would present far more attractive conditions. In these years of prosperity is the best opportunity to promote and encourage reform, and the monument dealer will find it to his advantage in every way to advance himself by the necessary steps to become a leader in monumental art and not a servile follower of the stock pattern and trade.



MONUMENT TO VICTOR HUGO, RECENTLY UNVEILED IN PARIS.

LOUIS BARRIAS, SC.

Monument to Victor Hugo.

On the twenty-sixth of February, was dedicated in Paris, the monument in memory of Victor Hugo, located close to the house where he died, and in the plaza named after him. The design is by Sculptor Louis Barrias, and is of colossal size. The figure of the poet is in a thoughtful attitude, surmounting a block of granite, an attitude which photographers have familiarized as a favorite one, during his residence as an exile in the Island of Guernsey. Enveloped in an ample cloak, he

seems to be in revery. Somewhat below him, and on either side of the pedestal, are two allegorical female figures, also in bronze, representing Poetry and Tragedy. At the base of the block of granite is the legendary devil-fish, with all its tentacles spread out amid the foam of breaking waves, making another souvenir of the time of exile. Below all, is a step of granite, supporting a slight cut-stone panel, showing the poet surrounded by some of the characters he created.

ABORIGINAL SCULPTURE
IN MEXICO ·
BY RUTH HARLOW LANDOR ·



AMONG the prehistoric remains found in Mexico, not the least interesting to the stonemason, the sculptor, the architect and the student of art history, are the elaborately sculptured stones, some of them in the possession of the National Museum, others remaining in

or near their original place in the famous ruined "cities" in Yucatan and Southern Mexico. The present papers are intended to be of the nature of a preliminary survey of the field of aboriginal sculpture in Mexico, and to suggest certain lines upon which more exhaustive researches may be made at the demands of the various classes of readers above named.

Those sculptures which may be examined in the National Museum at the capital, are for the most part of Nahuatl origin, and were found either in the city of Mexico or within a limited radius thereof. The others are Maya remains and are related to some very interesting sculptures found in Central America which are not within the scope of these papers. In saying that the former are of Nahuatl origin, however, it is with no attempt to give them a definite place in the history of aboriginal art in America. The time for writing such art history and for giving certain styles a distinct place in certain periods or among certain peoples, has not yet arrived. The term Nahuatl is made to include all the dwellers in the Central region of Mexico. The Aztecs who settled and built the pueblo of Tenochtitlan in the center of the lake basin and who attained to a military supremacy in a limited territory in the heart of what we call Mexico, were of the Nahuatl stock. The characteristics of the sculptures of the Nahuatl tribes may be distinguished from those of the Mayas in this respect, however: the latter were chiefly intended

for architectural embellishment. The sculptures of the Nahuatl were intended to serve a variety of purposes, religious, military and domestic, and included masks, collars, historical monuments, idols, sacrificial stones, disks having part in the Aztec games, cinerary urns and many other things.

Widely prevalent ideas to the contrary notwithstanding, the Aztecs were in the middle status of barbarism only, that is to say, they had become sedentary, practiced the art of pottery and built of adobe and stone; but they were ignorant of the use of iron and were still in the "New Stone Age." They accomplished their sculptural work with stone implements by breaking, flaking, chipping, pecking, hammering, grinding, sawing, drilling and polishing. All of which required skill of a certain kind and great patience. Their advance in the arts has been greatly exaggerated by writers of the "Romantic School."

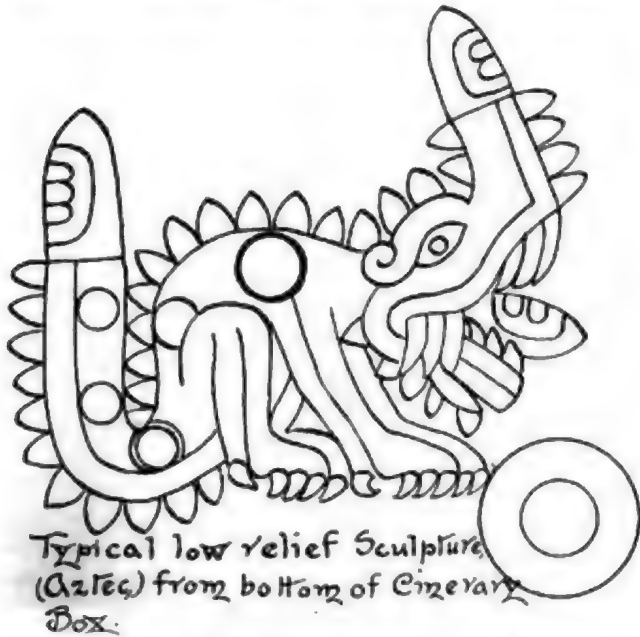
The sculptures under consideration do not ex-



(FIG. I.) THE CALENDAR STONE.

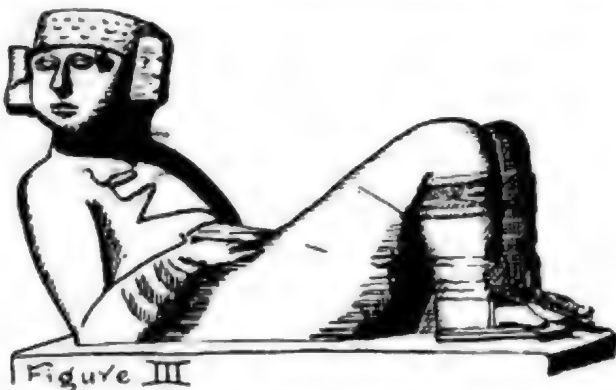
hibit a high degree of art culture. The most important and most widely known of them are the so-called "Calendar Stone," and the "Sacrificial Stone." These were discovered in 1790 and 1791 by excavating in the main plaza or Zocalo of the City of Mexico. Undoubtedly they are relics of the great teocalli which in Tenochtitlan stood upon that site and they were among the accessories of heathen worship which the Spanish conquerors made haste to bury out of sight. Upon the discovery of the former, the Commissioners of the Cathedral begged for it and the Viceroy gave verbal orders that it be delivered to them on condition that it be preserved and displayed in some public

place. It was accordingly built into the base of the southwestern tower of the Cathedral and remained there until the summer of 1885. The present writer then witnessed its removal to the National Museum. The illustration (Figure 1)



represents it as it appeared while in the walls of the Cathedral tower.

This huge stone is more properly known as the "Stone of the Sun." It is twelve feet in diameter and weighs by estimation twenty-four tons. Upon the authority of an early historian it was quarried and carved in the year 1512 at Tentantitlan, in the mountains beyond Lake Chalco, and was transported several leagues to Tenochtitlan, by means of ropes and rollers. Its evident use was in gladiatorial sacrifices, serving as a base for small perforated stones, (called temalacatl, some of which are



THE "CHAC-MOOL STATUE" FROM YUCATAN.

preserved in the Museum), to which the combatants were secured, each by the ankle. To reduce all the elaborate interpretations of the sculptures upon its face to the few points upon which the scientists are agreed, the central figure represents the sun and

perhaps also the year; the twenty figures in the circle around the sun represent the twenty days of the Mexican month. The sign above the head on the rim or border is "13th acatl," which in the Aztec chronology corresponds to our year 1479. Thus the stone would seem to commemorate some historic event in that year.

The carved surface is irregularly convex and the rim above which it rises is irregularly broken. The circles in the carving are reasonably true, but that does not compensate for the defects in the execution of the work.



(FIG. IV.) THE INDIO TRISTE.

The Sacrificial Stone is of the same material as the Stone of the Sun—porphyritic basalt of close grain. It is about three feet high and eight feet in diameter. Whether this relic should not be named "Cuauhxicalli the Tizoo," and was not intended as a monument commemorative of the victories of Tizoo, we may leave to the archaeologists to discuss. The sides of the cylinder are not vertical and at the base the workmen have carved a part of their design over a defect in the original block, which they had apparently no means of correcting. Hence this stone with others that could be named, show that the aboriginal artists were accustomed to work by "rule of thumb" without the aid of such simple appliances as square and compasses.

Included in the carvings of the Sacrificial Stone is found the hideous figure known as the god Fuitzilopochtli or the goddess Teoyoamiqui—an agglomeration of human hands, serpents' heads, skulls, the feet of beasts and other things. Some of them when taken separately are well executed, but when combined they are found to be utterly without symmetry. The material is jasper.

Of statues in the round the specimens are not abundant. The so-called "Chac-mool" is a specimen of this style of sculpture. (Figure III). It is from Chichen-itza, Yucatan; but similar figures have been found in other parts of Mexico. The dispute among archaeologists is as to whether it is an idol or a portrait statue. This and the so-called "Indio Triste," (a merry looking figure, in all probability a torch-bearer and a mere ornament, having no relation whatever to worship, Figure IV., are the best of the Aztec sculptures, if they are Aztec, and they illustrate the fact that while many faces and hands were well done by the aboriginal sculptors, the other parts of the human body were rarely if ever well executed. Proportion, symmetry and harmony were not the strong suit of these artists. Chac-mool, like the others, shows strange defects in the proportions of its lower limbs.

A huge monolithic statue of trachyte, called Chalchiuhtlicue, "the Goddess of Water," found in San Juan de Teotihuacan, (Figure V.) has a curious history since its first mention in archaeological works. In 1836 a "fainting stone" was mentioned as lying at the base of the pyramids of San Juan

de Teotihuacan. It 1846 it was more particularly described, its dimensions given as ten feet long by five or six broad and as many high, and its estimated weight as not less than twenty-five tons. It is said to be handsomely hewn and with a well-cut cornice, but having no human or other figures in relief. In 1847 a drawing of it was made and published in a work on Mexican prehistoric relics. (Figure VI.) Later it was described as an overturned column and as an altar. Meanwhile in 1864 the scientific commission sent out by the ill-fated Emperor Maximilian to explore the pyramids reported finding a monolith weighing eighteen tons which was pictured as in Figure V., and was called the Goddess of Water. Not a word was said about a "fainting stone," a column or an altar. It was finally suggested that the latter was the same monolith, but was standing on its head when examined and had been sketched from its back.

Some huge monoliths from Tula, preserved in the Museum were probably placed one upon another and formed pillars or caryatids for the support of the roof of some building. Each has a mortise at one end and a tenon at the other, making close fitting joints. This is remarkable in stone work antedating the Aztecs in Tenochtitlan by several centuries. Various large circular stones, having sides sculptured in low relief, having a circular hole in the center of each and resembling so many millstones, were used in the Aztec ball games. (Figure VII.)

(To be Continued).

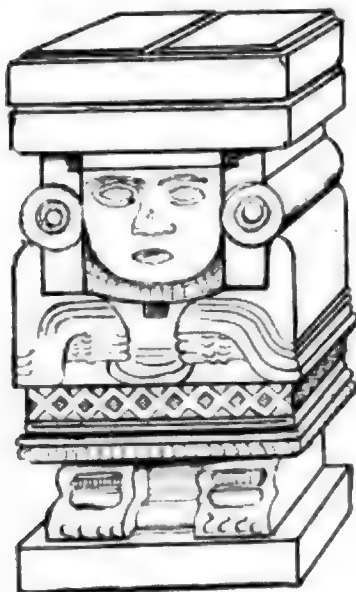


Figure V.

THE GODDESS OF WATER.

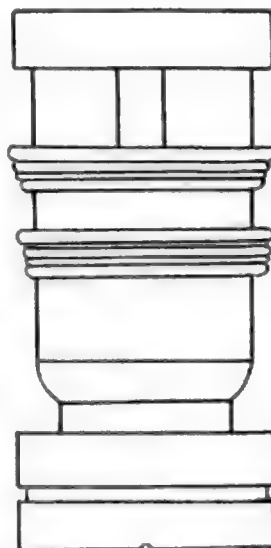


Figure VI.

CONVENTIONALIZED
DRAWING OF FIG. V.



Figure VII.

STONE USED IN AZTEC
BALL GAMES.

Among the European Sculptors.

Barthel Thorwaldsen, the genius who resurrected the plastic ideas of the Greek, was not a lone star on the Scandinavian firmament. In fact so prolific in sculptural talent has the Island of the Holy Danebrog been that one frequently en-



GUSTAV EBERLEIN AT WORK ON HIS GORILLA GROUP

counters the theory that the Danes descended from the ancient Greeks, some of whom had ventured too far away from home and had subsequently become shipwrecked on the Island of Thule. However that may be, the fact remains that, in spite of the prevailing theory that only in a warm climate can artistic temperament be developed, the sons of the nebulous north are possessed of an extremely acute sense of harmony and artistic fitness.

Preeminent among the present day sculptors of Denmark is Professor Stephan Sinding, who embodies in his personality and work the best characteristics of Scandinavian monumental art. Sinding's latest works, which have just been placed on exhibition, show that the sculptor is free from the bondage of academic punctiliousness, but for all that a profound student of the works of the

famous sculptors of the days gone by. He depicts form in that graceful, harmonious manner which gives life to stone and fame to the sculptor. Sinding is perhaps most successful because of his thorough appreciation of the value of light and shadow, a point which the sculptor, as well as the painter, too often fails to do justice to.

In his group, "A Barbarian Mother," Sinding leans slightly toward Constantin Mennier, the Belgian sculptor, who is perhaps the greatest living exponent of the school of realism in sculpture. Mennier holds that truth is stranger than fiction, even in stone, and, at times, grows so steadfast in his adherence to this principle that his figures repel rather than attract. Up to the neck Sinding is as much of a realist as Mennier, but in chiseling the face, the Danish artist returns to the precept of the classic sculptors, who held that only an idealized face was worthy of being perpetuated by a great sculptor. Thus we see the "Barbarian Mother," who is carrying her wounded son from the battle-field, in a garb which is picturesque by reason of its raggedness, with arms that are much too fleshy



MARBLE BUST OF LEONARDO DA VINCI. HARROM MAGNUSSEN, SC.

for beauty, but with features that are absolutely harmonious and aesthetic. The body of the youth who is being borne away by the strong

arms of his mother, is a marvel of sculptural and plastic execution.

The other works of the Copenhagen master denote a thorough appreciation of beauty and technique such as is rarely found in a sculptor who has the boldness of Sinding. Sinding's works have met with more than ordinary approbation, both in Denmark as well as in Sweden, Norway and even the German critics have only praise for the Danish sculptor.

Professor Gustav Eberlein is at work on a master group showing a gorilla bending over a woman whom the monster has lured into his lair. The photograph shows the Berlinesc sculptor, who bids fair to outrival Begas, in his studio garb. The Gorilla Group is exciting the most widespread attention among the critics who have seen it. The work is said to be the event of the year, proving that Eberlein is at home when it comes to depicting wild animals, one of the most difficult fields for the sculptor to venture into. Zoologists and African explorers pronounce Eberlein's Gorilla the acme of reality. Professor Eberlein's versatility

is indeed surprising. Compare with the ferocious "Gorilla Group" the Wagner Monument which was illustrated in our February issue, and we must, indeed, be astonished.

Harro Magnussen, a promising German sculptor, has just executed a bust of Leonardo da Vinci, the famous mediaeval painter. The young sculptor used as model the only authentic portrait of the painter extant, an autosketch which is in the Royal Library at Turin. The accuracy of the reproduction is evident when compared with the old sketch.

At Schiastein on the Rhine a monument to Christian De Wet, the Boer fighter, has been unveiled. Professor Neubert Pfretzschner of Berlin is the sculptor. The funds were subscribed by 500 Germans, who share the christian name "Christian" with the famous Boer leader.

The excavations at Carthage brought to light colossal statues of Jupiter, Emperor Hadrian and an unidentified Empress as well as numerous well preserved busts.

William Crawford Hirsch.



OFFICE BUILDING AND SHELTER HOUSE, FOREST HOME CEMETERY, CHICAGO.

Cemetery Office Buildings, Chicago.

The office building and rest cottage shown in the illustration were recently erected at Forest Home Cemetery, Chicago. They combine office buildings, waiting rooms and lavatories, and are well arranged and fitted with modern equipments.

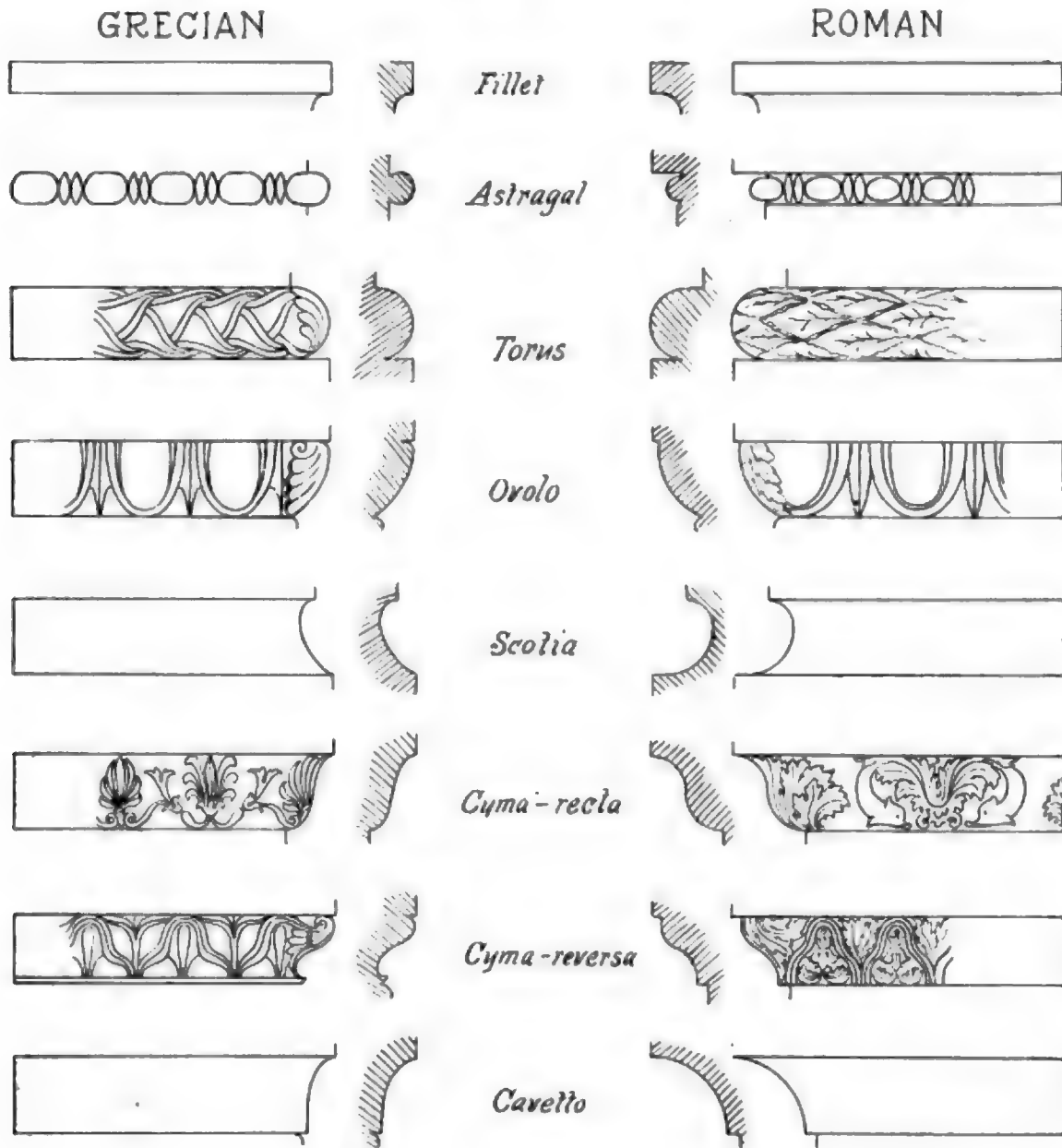
The exterior construction is of Bedford buff stone, with tile roofs, and the interiors are trimmed in oak, the lavatories being fitted with marble. Mosaic floors and plate glass windows constitute the other interior construction. Conservatories adjoin the office, and a steam heating plant is provided. The cost of the structures was about \$25,000.

Forest Home embraces about 200 acres of territory on both sides of the Desplaines river on the outskirts of Chicago, and is conducted entirely on the lawn plan. The cemetery has a well equipped pumping plant, consisting of a gasoline engine and a 1,000-barrel tank mounted on a 50-foot tower. Considerable concrete and brick work is used. The main drive one and a half miles long, is paved with brick and supplied with a cement gutter and curb. In the conservatories the benches are built of galvanized iron and cement slabs, no wood being used except in the sash bars. Ten thousand cement grave and lot markers are in use in the cemetery.

Theory of the Classic Mouldings.

In architecture there are certain elementary forms, which though simple in their nature, and few in number, are the principal constituents of every composition, however complicated or exten-

representing the beams and joists; the mutules, modillions, and dentils, either representing the rafters or some other pieces of timber employed to support the covering; and the corona, representing



(FIG. 1.)

THE RIGHT PRIMARY FORMS OF MOULDINGS.

sive it may be. Of these there are in this Art and Science, two distinct kinds; the first consisting of such parts as represent those that were essentially necessary in the construction of the primitive huts, as the shaft of the column, with the plinth of its base, and the abacus of its capital, representing upright trees, with the stones used to raise and to cover them; likewise the architrave and triglyph,

the beds of materials which composed the covering itself. All these are properly distinguished by the appellation of essential parts, and form the first class. The subservient members, contrived for the use and ornament of these, and intended either to support, to shelter, or to unite them gracefully together, which are called mouldings, constitute the second class.

The essential parts were, most probably, the only ones employed, even in the first stone buildings; as may be collected from some ancient specimens yet remaining; for the architects of those early times, had certainly very imperfect ideas of beauty in the productions of art, and therefore contented themselves with barely imitating the rude model before them. But at length comparing the works of their own hands with animal and vegetable productions, each species of which is composed of a diversity of forms, affording an inexhaustible fund of amusement to the mind, they could not but conceive a disgust at the frequent repetition of square figures in their buildings, and therefore thought of introducing certain intermediate parts, which might seem to be of some use and at the same time be so formed as to give a more varied and pleasing appearance to the whole composition. And this, in all probability, was the origin of mouldings; and they being the simplest decorative details and those most universally used are distinguished in eight different forms known as Fillet, Astragal, Torus, Ovolo, Scotia, Cyma-recta, Cyma-Reversa and Cavetto. (Figure 1).

The names of these are allusive to their forms; and their forms are adapted to the uses which they are intended to serve. The Ovolo and Cyma-reversa being strong at their extremities, are employed as supporters to the essential members of the composition. The Cyma-recta and Cavetto, though improper for that purpose as they are weak in the extreme parts and terminate in a point, are well contrived for coverings to shelter other mem-

bers. The tendency of their outline is exactly opposite to the direction of falling water which for that reason, cannot glide along their surface, but must necessarily drop from it. The torus and astragal, shaped semi-circular, are intended to bind and strengthen the parts on which they are employed; such as tops and bottoms of columns, and sometimes of pedestals, when they are frequently cut in the form of ropes, as in the Trajan column, in the Temple of Concord, and in other ancient edifices, at places where architecture has been most encouraged. The use of the fillet and scotia is only to separate, contrast and strengthen the effect of other mouldings; to give a graceful turn to the profile, and to prevent that confusion which would be occasioned by joining several convex members together. That the inventors of these forms meant to express something by these different figures will scarcely be denied; and that the above mentioned were their destinations, may be deduced not only from their figures, but from the practice of the Ancients in their most esteemed works; for, if we examine the Pantheon, the Temple of Jupiter Tonans, the Basilica of Antonius, the Forum of Nerva, the Arches of Titus and Septimus Severus, the Theatre of Marcellus, and almost every ancient building, either at Rome, or elsewhere it will be found, that, in all their profiles, the Cyma-recta and the Cavetto are constantly used as finishings, and never used where strength is required; and the Ovolo and Cyma-reversa are always employed as supporting members.

Franklin L. Naylor.

(To be Continued.)

An Aged Stonecutter.

Robert Bailey, of La Crosse, Wis., whose picture is shown on this page, has the distinction of being the oldest living stonecutter. He is now one hundred years old, and has worked at his trade for more than seventy years. He was born in Ireland, and when three years of age came to Canada. At the age of twenty he was working for a Montreal firm who had the contract for building the old French Cathedral in that city, and has also cut stone on the Welland Canal in 1829, and afterward on the old suspension bridge over Niagara Falls. In 1847 he came to the United States, traveling from Detroit to St. Louis on horseback. From there he took passage up the Mississippi, but before reaching the headwaters, his boat was frozen up near the present site of La Crosse, and he decided to remain there. Trading with the Indians, and cutting pine logs for the government formed his occupation until 1850 when he again took up his trade of stonecutting. Mr. Bailey is still hale and hearty and handles the mallet and chisel with the skill and vigor of a young man. The Stonecutters' National Union is raising a fund to enable him to retire from active work, and contributions for that purpose can be sent to the



ROBERT BAILEY.

Stone Cutters' Journal, Washington, D. C., or to the secretaries of any of the Union's branches.



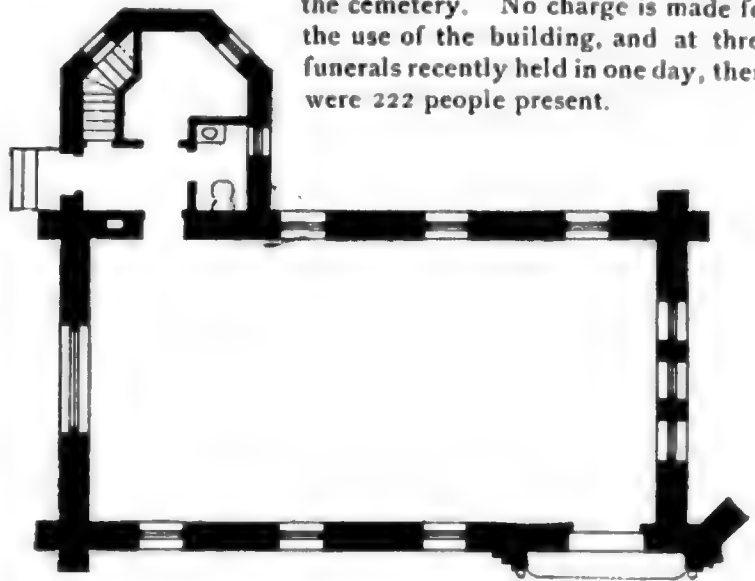
MEMORIAL CEMETERY CHAPEL, PITTSFIELD, MASS.

PITTSFIELD CEMETERY CHAPEL.

The Mortuary Chapel illustrated is a gift to the Pittsfield Cemetery Corporation, Pittsfield, Mass., from the late Mrs. Edwin Clapp. The ground dimensions are 45 by 25 feet, and the entrance is through a porte cochere in a square tower of Norman architecture 34 feet high. The exterior is of Barrington bluestone to match the cemetery gate, and the interior is finished in cypress with floors of North Carolina pine. Buff colored brick forms the interior walls above the polished cypress which is ceiled to a height of three feet, and the cathedral glass windows are so arranged as to give plenty of light. At the west end of the building is a colored glass window depicting the incident in the life of Christ where Mary and Martha come to the tomb and are told by the angels: "He is risen; He is risen." At one corner is an ell containing a room for the clergy, a lavatory, store-room and entrance to the basement.

The building is lighted by electricity, heated by a furnace, and has a seating capacity of from 75 to 125 people. Every effort has been made to give a cheerful tone to both interior and exterior, and eliminate all suggestion of gloom. The light

color of the wood-work, well arranged windows, the decorative character of the crenellated tower and red tile roof, all contribute to this effect, and have made the chapel popular with the patrons of the cemetery. No charge is made for the use of the building, and at three funerals recently held in one day, there were 222 people present.



GROUND PLAN.

The plans are by Architect George Harding, and the work of construction was done by Clark & Baggs, of Pittsfield.



Sculpture.

AUGUSTUS ST. GAUDENS' heroic equestrian statue of General Sherman has just been delivered in New York.

The statue is to be erected by the Chamber of Commerce at one of the entrances to Central Park. The work cost \$53,000, and the raising of the funds was begun eleven years ago, a number of the members of the original committee being now dead.

THE National Sculpture Society will hold a spring exhibition in Madison Square Garden, New York City, during the month of April. It is to be a forerunner of a more extensive exhibit planned for next October in conjunction with that of the New York Florists' Club. The April exhibit will be devoted to the smaller works of sculpture, such as medals, statuettes, busts and plaques, and it is expected to make the October exhibit an annual affair, to be perhaps combined with the annual picture shows.

FREDWIN ELWELL'S statue "Death of Strength," in the cathedral garden at Edam, Holland, is said to be the first work of an American sculptor erected in Europe. Mr. Elwell is a pupil of Daniel C. French in this country, of Falguiere and the Ecole des Beaux Arts in Paris, and among other honors, holds medals from the King of Belgium, the Chicago Columbian Exposition, and the Philadelphia Art Club.

LAMATEIS, Washington, D. C., is modeling a statue of Mr. Rosenberg, the philanthropist who bequeathed the city of Galveston, Tex., \$1,000,000 for its relief fund after the recent disaster which devastated that city. It is to be cast in bronze and placed in the Galveston Library, and represents the philanthropist seated in a chair in an attitude of deep thought over his will which he is in the act of writing.

PAUL TROUBETZKOY is a young Russian sculptor who has recently come into prominence by winning the Grand Prix in the Russian exhibit at Paris, and by securing the commission for the equestrian statue of Alexander III. soon to be erected in St. Petersburg. In the current number of *Scribner's Magazine* is an account of him by William Jarvis, United States Consul at Milan.

THE Liberal Arts building of the Louisiana Purchase Exposition to be held at St. Louis in 1903, will be a severe treatment of the French Renaissance style of architecture, and will depend largely on sculptural adornment for its decorative effect. It will be constructed of staff and is to cost \$500,000. The main facade will be 750 feet long and is to be pierced by five doorways, the main entrance being in the form of a hemicycle with circular colonnades. The interior court is to be Roman in treatment, diversified with sculptural fountains, statues, vases, and gardens presenting landscape pictures. No interior columns are to be used, the exhibit space being spanned in one huge truss. Barnett, Haynes & Barnett, St. Louis, are the architects.

THE eighth annual exhibition of the Art Students' League of Chicago, and the sixth annual exhibition of the Society of Western Artists were on view from March 4 to March 20, at the Art Institute, Chicago. The Art Students' League, composed of the advanced students and younger workers in art, showed nine small pieces of sculpture, consist-

ing of heads, busts, and reliefs in plaster by the following members of the League: Elizabeth Bandle, Ada Enander, Jessica Farnham, Louise Guernsey, Mary Riddle, and Nellie V. Walker. The Society of Western Artists showed 143 works, which are to go in turn to Cincinnati, Detroit, Toledo, St. Louis and Indianapolis. The chief productions in sculpture are those mentioned and illustrated last month as a part of the exhibition of Chicago artists, and one new one, a portrait bust in plaster by Anna M. Valentien, of Cincinnati.

ON his recent visit to this country, Prince Henry presented to President Eliot, of Harvard, a portfolio of photographs of twenty-five casts of works of sculpture which Emperor William is to present to the Germanic Museum of Harvard. Many of them are important architectural monuments, and the collection ranges in point of time from the great bronze doors of the cathedral of Hildesheim, which date from the beginning of the eleventh century, down to Gottfried Schadow's statue of Frederick the Great, at Stettin, erected in 1793. The casts include ten statues of heroic size from the cathedral at Naumberg, and famous bronzes from the tomb of St. Sebaldus at Nuremberg, Schluetter's colossal equestrian statue of the Great Elector at Berlin, the Bishop's seat and altar of the Ulm cathedral, the golden gate of the cathedral at Freiberg, and the warriors' death masks over the door of the arsenal at Berlin. The casts are expected to arrive this summer.

SENATOR PENROSE has introduced into the Senate a bill providing for the establishment of a national art gallery, and for an appropriation of \$200,000 for the purchase of a site in the District of Columbia. The work of construction is to be in charge of a commission composed of the Secretary of the Interior, the architect of the capitol extension, and the Librarian of Congress, who are empowered to institute condemnation proceedings if the land cannot be purchased privately. The gallery is to be supported by Congress, and is to be for the works of American artists to be selected by a commission composed of twenty connoisseurs to be appointed by the President, and to hold office for five years without compensation.

EDWIN A. ABBEY, the well-known English painter, speaks as follows concerning a proposed national American school of art in the March issue of *Brush and Pencil*: "A school should have, first of all, the great artists of the country as overseers. That is the method pursued in Munich where the great artists are given studios in the school, and the students are allowed, several days in the week, to consult them about ideas. In addition to the influence of American artists of first rank, the American school might also make arrangements to receive the benefit and advice of foreign artists who are visiting the country from time to time. As to the instructors, there should be many of them, and there is no reason why they should not be drawn from the ranks of American artists. The curriculum of the school should embrace sculpture, painting, and architecture, and every student should be made to learn something about all three branches of art. There are many Americans who are quite competent to act as instructors under the supervision of artists of the first rank. And the great thing is that the school should have one inspiring head. The advantage of having great artists on the staff to whom students can have access, lies in the fact that one can learn much more by working with a man than by simply being told what to do and what not to do. The establishment of the school would mean, primarily, the sifting out of the incapable. It would push forward those who had real talent, and would discourage those without talent."

Memorial Tablet to Three Martyr Presidents.

The bronze medallion shown was modeled by Miss E. St. John Matthews, of New York, and is commemorative of the three martyred presidents—McKinley, Garfield and Lincoln. The design is treated in simple, strong, and classic lines, the effective background being particularly suggestive. The inscription at the base, is taken from the eloquent tribute of Bishop Potter and reads as follows:

"Serene, clear-eyed and strong, the image of noble souls.

In great plan modest and unspoiled;
In service loyal and unwearied;
At home, spotless, unselfish and most tender;
Men's homage and their love
Shall never cease to follow them."

The work has been much praised, and was selected by the New York Postal Union as the most appropriate gift they could present to Prince Henry in recognition of his reverence for the memory of the three presidents. It was cast by Tiffany and has recently been exhibited in New York. Replicas have already been placed in several pub-



MEDALLION TO THREE MARTYR PRESIDENTS,
ELIZABETH ST. JOHNS MATTHEWS, SC.

lic libraries, and are to be placed in public parks in at least two cities.



PATTON MONUMENT CHATTANOOGA, TENN.

PATTON MONUMENT, CHATTANOOGA, TENN.

The monument illustrated here was erected in the Court House Square in Chattanooga, Tenn., in memory of Architect S. M. Patton, who lost his life in the fire in the Richardson building in that city in 1897.

The monument is sixteen feet high, and consists of a shaft of Vermont granite, surmounted by a bronze bust of Mr. Patton. The pedestal is of symmetrical proportions, is fine hammered, and bears the following inscription in raised letters on the die: "Samuel M. Patton, Architect. Born in Rankin County, Mississippi, July 17, 1857. Perished by fire in this city April 3, 1897." The design is in Grecian style, and the bust is recognized as an excellent likeness of the deceased. Although erected by the relatives of Mr. Patton, the monument has all the character of a public memorial, and is well in keeping with Chattanooga's reputation as a "monumental city." Mr. Patton was a young man, prominent in his profession, and the county officials readily granted permission to his relatives to erect a memorial in the public square. The unveiling exercises, held last January, were in the nature of a public ceremony, and the city Park Commission will this spring beautify the site at the city's expense by planting flowers and otherwise improving it.

The work was designed and erected by the Jno. S. Clark Monument Co., of Louisville, Ky., to whom we are indebted for the photograph.

The Muhs Monument, Paterson, N. J.

The Muhs monument, illustrated on this and the next page, stands in Cedar Lawn Cemetery, Paterson, N. J.

It is designed in French Renaissance style, and



THE MUHS MONUMENT, PATERSON, N. J.

embodies a base, plinth, canopy, and symbolic statue, and is remarkable for its symmetrical proportions, skillful carving and artistic use of the acanthus and laurel, with which it is richly ornamented.

The plinth is of elaborate workmanship, rises from a plain base, and is ornamented with corner designs of acanthus leaves, and a bead moulding. Above the moulding is a carved border of intertwined laurel and ribbon. Fluted columns with Corinthian capitals support the canopy, beneath which stands an altar supporting a vase. The bases of these columns and the base of the altar are cut from a single piece.

The base of the altar has richly carved leaf designs and the die bears polished and moulded panels on each of its four sides. The cap which

receives the base of the urn is adorned with beads and egg and dart mouldings. The bowl of the vase is covered with acanthus leaves, and delicately carved roses cover the top, hanging over the edges with gracefully drooping heads. The petals and leaves have been executed from nature with great care, and are typical of the best work in granite carving.

The support of the canopy is in the form of trefoil arches which merge into ornamental buttons at their meeting points. The spandrels formed by these arches are filled with designs of laurel on one side and oak on the other. Adaptions of the acanthus, terminating in scrolls and combining in



VASE AND DETAILS OF CANOPY.

a finial, form the other decorative features of the canopy. The crowning figure is symbolical of Hope and Memory.

The monument stands 20 feet high, and was cut from Milford granite by the Milford Granite Co., Milford, N. H. Hoffman & Prochazka, New York City, designed and modeled it and have copyrighted the design, ornaments and statue,



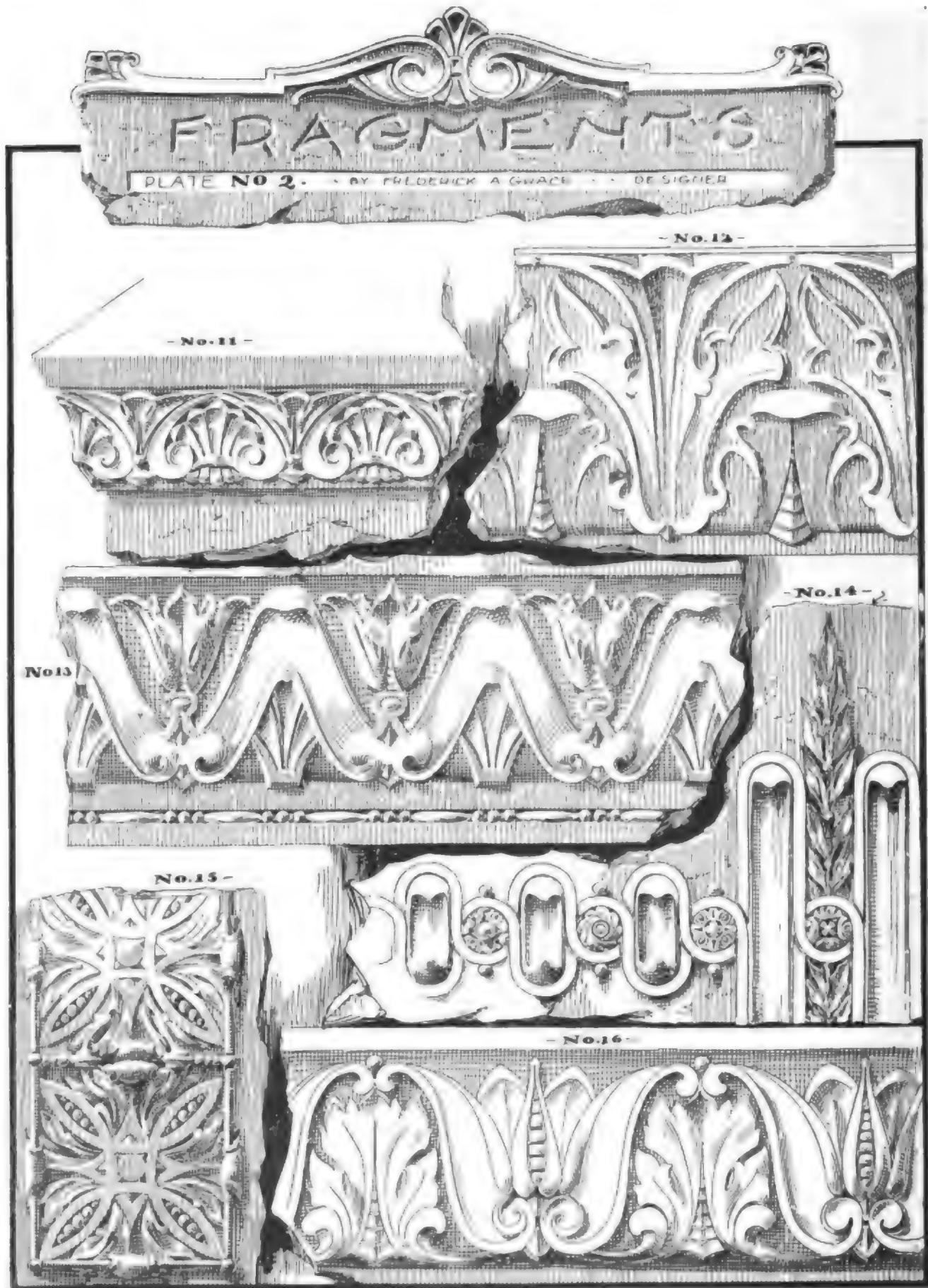
DETAILS OF VASE AND BEAD MOLDING.



ORNAMENTS OF PLINTH AND BASE OF COLUMNS.

Details of Ornaments on Muhs Monument, Paterson, N. J.

(SEE OPPOSITE PAGE.)





BARABOO WISCONSIN SOLDIERS' MONUMENT.

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MONUMENTAL NOTES

The Exempt Firemen's Association, of Hackensack, N. J., has selected a design for the monument to be erected on their lot in the Hackensack Cemetery. It will be of granite, fourteen feet high, and will be surmounted by the figure of a fireman. It is to cost \$1,500.

The Ephrata Monument Association, Ephrata, Pa., will unveil on May 1, a monument now in course of erection to the memory of 200 Revolutionary soldiers buried near that city. The ceremonies will include exercises by many military, civic, and fraternal organizations, and addresses by Governor Stone and Ex-Governor Pattison. The monument is 31 feet high, and an appropriation of \$5,000 was made for it by the Legislature.

The plans for the monument to Roy V. Cashion of Hennessey, Oklahoma, who was killed with the Rough Riders in Cuba, have been presented to the Governor for approval and adoption by the Legislative committee. The memorial will be surmounted by the figure of a rough rider, and is to cost \$2,000, \$1,200 of which was appropriated by the Legislature.

Forty plans and seven models have been submitted to the Councils' committee in the competition for the soldiers' monument to be erected at Philadelphia. The jury of awards is composed of Architects C. Howard Walker, of Boston, John M. Carrere, of New York, and a third member to be selected by these two. Five prizes for designs, aggregating \$3,000 are offered, and the monument is to cost \$500,000.

A Carrara marble statue of Saint De La Salle, founder of the Christian Brothers, has recently been erected on their plot in St. Agnes' Cemetery, Albany, N. Y., in memory of Brothers Lucian, Emelian, Abdas, Hospicus, Goodwin, and Celsus. The statue is cut from Blanc chain marble, and the cross of Bardiglio colored marble. It represents the Saint in the garb of his order, standing with one hand raised to his heart, and holding a pamphlet in the other.

A number of models for the Grant memorial to be erected in Washington at a cost of \$250,000, have been received at the Corcoran Art Gallery. The time for submitting models expires April 1, when designs from the thirty-six contestants will be viewed by the commission for the selection of the first six. They will then be placed on public view before the final award is made. The commission is composed of Gen. G. M. Dodge, president of the Army of the Tennessee; Senator George P. Wetmore, chairman of the joint committee on library, and Mr. Elihu Root, Secretary of War. Mr. Merritt O. Chance is secretary and Col. Theodore Bingham superintendent of public buildings and grounds, has charge of the reception and care of the models.

The Philadelphia German Kriegerbund, an organization of former soldiers of the German army is to erect on its lot in Hillside Cemetery a bronze statue now being cast in Berlin from the bronze in a cannon captured during the Franco-Prussian war, which was presented to the society by Emperor William. The figure is of heroic size, showing a German

soldier holding aloft a flag in one hand and shouldering a musket with the other, and was modeled by Professor Wolf, a German sculptor.

At a recent meeting of the trustees of the National McKinley Memorial Association in Washington, it was decided to collect the sum of \$650,000 for the erection of the monument at Canton. Of this amount, \$450,000 will be devoted to the erection of the memorial, and \$200,000 invested as an endowment fund to yield about \$8,000 a year for the care and guardianship of the monument. A souvenir certificate of contribution embodying an artistic symbolic design is to be presented to contributors. A number of prominent artists have submitted designs for it, and the following committee has been appointed to report on the selection of design at the next meeting of the trustees to be held in Canton during the spring: Alexander H. Revell, of Chicago; F. W. Bloomington, of New York; Governor Crane of Massachusetts; Governor Murphy, of New Jersey, and General Duffield, of Michigan.



The accompanying illustration shows the design for the twenty-one regimental monuments to be erected by the State of Indiana on the battlefield of Shiloh. They are to be of uniform design, except that crossed cannons will appear on the two artillery monuments instead of the insigna of infantry, and will be made of Bedford stone. They will be sixteen and one-half feet high, and eight feet two inches square at the base, and will cost \$1,000 each. The design is by John R. Lowe, of Indianapolis, and the contract for the erection of the work has been given to the Muldoon Monument Co., of Louisville, Ky.

Work has been suspended on the elaborate memorial structure being erected by the Italian government in honor of King Victor Emmanuel, owing to the exhaustion of the quarry from which the marble was obtained, and the inability to find any other to match it. The work was begun twenty years ago and 6,000,000 francs have already been spent on it. The design, which is the work of Count Sacconi, an Italian architect, shows a magnificent colonnade decorated with many groups of statuary and approached by a flight of marble steps 240 feet long, leading up to an equestrian statue of King Victor. Under and behind these steps are to be several memorial halls containing trophies of the king and modern Italy. The edifice rises from the base to the top of the Capitoline Hill, on which the temple of Jupiter Capitolinus stood during the days of the old Roman Empire.



Miss Clara Pfeiffer. S. St. Louis.

THE WINSLOW BROS. COMPANY
CHICAGO.

Ornamental Iron and Bronze

BRONZE STATUARY DEPARTMENT

UNDER SUPERVISION OF
MR. JULIUS BERCHEM.....

Monumental Bronze Statuary

BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.



THE GENUINE
Pink Westerly Granite

can be had in any quantity from
our quarries in the rough or finished
state at the lowest possible rates.

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BLUE GRANITE

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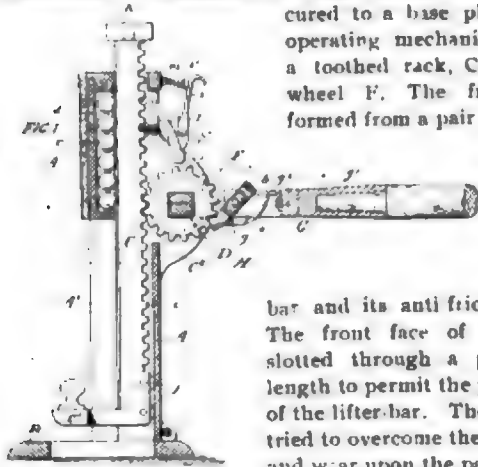
SMITH GRANITE CO.

WESTERLY, RHODE ISLAND.

Some Recent Inventions.

A LIFTING JACK.

The object of this invention is to provide a simple and improved mechanism for operating the vertical lifter-bar of a lifting jack, as shown in the central vertical section in the illustration. It consists of a main frame, or casing, A, secured to a base plate B, and an operating mechanism comprising a toothed rack, C, and a gear-wheel F. The frame may be formed from a pair of parallel vertical standards, grooved and hollowed out to form guides for the lifter-



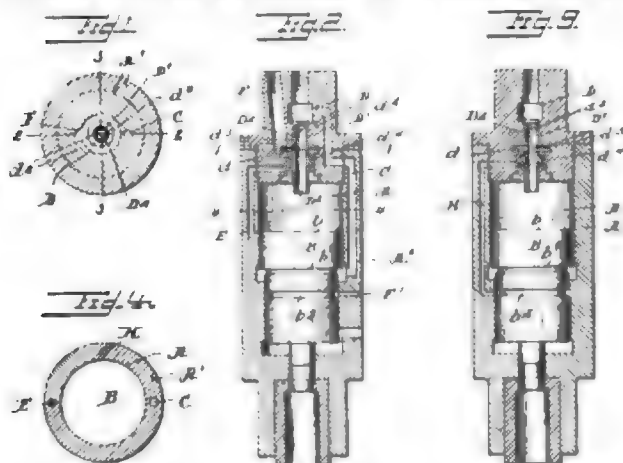
LIFTING JACK.

bar and its anti friction bearings. The front face of the casing is slotted through a portion of its length to permit the play of the foot of the lifter-bar. The inventor has tried to overcome the great friction and wear upon the parts of the jack, due to the fact that the power is applied to the rear and the load to the front of the bar, by means of a vertical race, D, filled with a series of hardened steel balls, and a number of hardened-steel rollers, E, journaled in the lifter-bar, and engaging the rear lower wall of the casing.

(Patent No. 692,535, by Hugh M. Dermid, Chicago, Ill.)

A PNEUMATIC TOOL.

The pneumatic tool illustrated is designed to be simpler in construction and more effective in operation than the ordinary tool used for cutting and chipping. In the drawing Fig. 1 is a



IMPROVED PNEUMATIC TOOL.

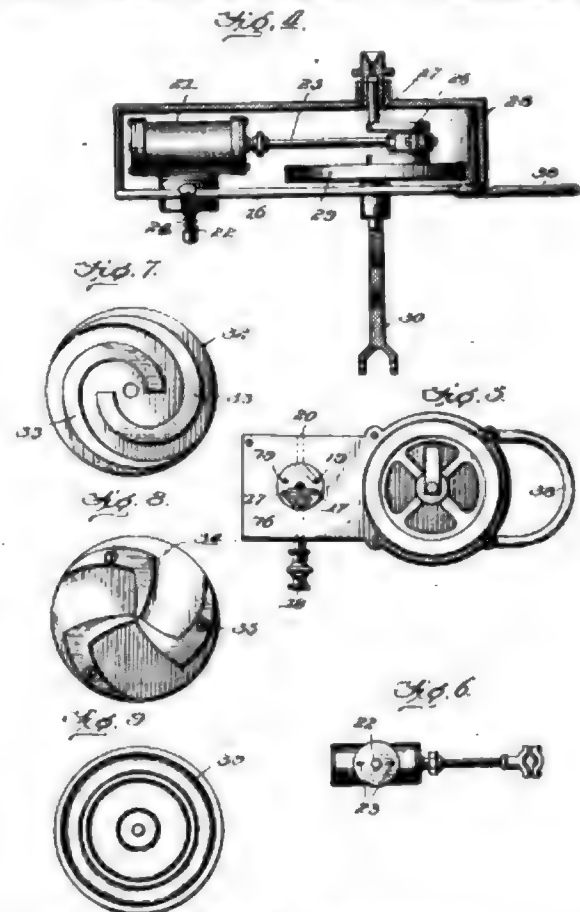
section through the tool on the line 1-1 of Fig. 2; Figs. 2 and 3 are sections on the line 2-2 and 3-3 of Fig. 1; Fig. 4 is a section on the line 4-4 of Fig. 2. The mechanism consists of a casing enclosing a chamber A, in which a piston B of differential area moves. From the source of pressure supply, air is constantly supplied to the air chamber beneath the piston-head to the surface of lesser area. In the upper portion of the casing is a valve-chamber D, containing a valve which is bored out to form an annular chamber D2, opening to the top of the piston-chamber A. The passage E connects the piston-chamber and the valve-chamber. Fiber is forced into the annular chamber to cushion the blow of the valve in each direction of movement. In operation, the constant supply of air-pressure below the piston-head, elevates the piston until the annular

groove beneath the shoulder of piston B registers with the passage E, when air will be admitted to the valve-chamber beneath the piston-head, forcing the valve up until the inlet-part is open; then air will enter above the piston-head and the valve will descend.

(Patent No. 692,799, by W. H. Soley, Philadelphia.)

GRINDING OR POLISHING APPARATUS.

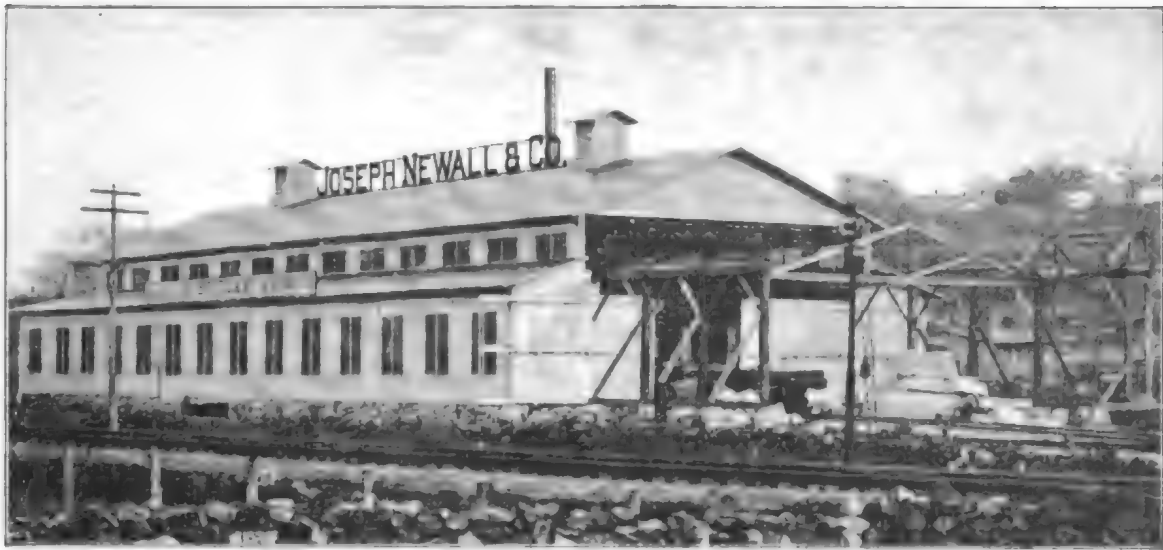
This invention relates to improvements in machines for grinding or polishing blocks of stone, and has for its essential features, a motor arranged adjacent to a grinding disk with



GRINDING OR POLISHING APPARATUS.

which it is moved back and forth. It is intended to provide an apparatus that may be readily secured to a block, and a grinding disk that may be easily moved about on the block. A clamp of peculiar construction is to be secured to the block which has a rod or standard extending up from it. A sleeve is locked upon this rod and supports a bracket, revolving on the rod and provided with rollers between which is mounted a strip, secured at its forward end to a casing. Within this casing is mounted the motor, which comprises a rocking cylinder containing a piston connected to the crank of a shaft journaled within the casing. A fly or balance wheel, and a grinding disk are secured to this shaft. Referring to the illustration, Fig. 4 is an enlarged vertical longitudinal section through the casing; Fig. 5 is a plain view of the casing with the top, the cylinder and its piston-rod removed; Fig. 6 shows a detail view of the cylinder and its piston-rod; Fig. 7 is a bottom plan view of one form of grinding disk, and Figs. 8 and 9 present similar views of modified forms. Steam, gas, compressed air or other motive power may be used to operate the machine.

(Patent No. 692,425, by Hercules Cavicchi, Barre, Vt.)



Mausoleums, Statuary, Monuments

IN BLUE, PINK
AND RED ***

WESTERLY GRANITE

FROM OUR OWN QUARRIES.

JOSEPH NEWALL & CO., *Dalbeattie Granite Works*
WESTERLY, R. I.

Correspondence Solicited from Dealers Desiring First-Class Work.

THE QUINCY GRANITE QUARRIES CO.

=====QUINCY, MASS.=====

Largest Producers

OF MONUMENT GRANITE

IN THE WORLD

**We produce more high grade stock than all
other quarries in Quincy combined.**

=====

ESTIMATES CHEERFULLY FURNISHED.

PROPOSED MONUMENTS

Chicago, Ill. An association of business men and property owners living near Garfield Park, in this city, has been formed for the purpose of erecting in that park a statue of Garfield to cost \$15,000.

Nashville, Tenn. The Woman's Association of the University of Nashville is to erect on the campus of the Peabody Normal College in this city, a bronze statue of George W. Peabody.

St. Louis, Mo. The Progressive Order of the West, an organization of Hebrew Americans, took the initial steps in its recent annual convention in this city, toward the raising of a fund for a statue to Emile Zola in recognition of the great author's efforts on behalf of persecuted Jews as evidenced in the Dreyfus trial. A committee has been placed in charge of the matter and it is hoped to obtain a site on the World's Fair grounds.

Albany, N. Y. State Senator Brown has introduced into the Legislature a bill providing an appropriation of \$30,000 for the erection of a statue to Alexander Hamilton in Capital Park in this city.

Assemblyman Bradbury has introduced a bill appropriating \$50,000 for the erection of a statue to the late President McKinley in Niagara Square, Buffalo.

Des Moines, Ia. The Vicksburg monument commission has filed its report asking for an appropriation of \$150,000 for the erection of thirty-two monuments to Iowa army organizations who participated in the siege, a state monument, suitable tablets, monuments and markers of a historical character, and for the expenses of the commission. J. K. P. Thompson, of Rock Rapids, is chairman of the commission appointed to locate the positions of Iowa troops on the Vicksburg field.

Representative Langdon has introduced into the Legislature a bill providing for an appropriation of \$35,000 for the erection of three Iowa State monuments, one on Lookout Mountain, and one at each end of Missionary Ridge.

Frankfort, Ky. Representative McDonald, of Louisville, has introduced a substitute for the bill appropriating \$10,000 for a monument to former Governor Goebel, raising the amount to \$25,000, which is to be used together with \$15,000 already contributed by popular subscription to erect a memorial to cost \$40,000.

Harrisburg, Pa. The Keystone Chapter of the Daughters of 1812 has raised a fund for the erection of a monument to Frederick Durang, the composer of the "Star Spangled Banner," who enlisted in the war of 1812 in a company from Harrisburg that was the first to sing the Star Spangled Banner. The City Council has been asked for permission to erect the monument at Front and Chestnut streets.

Media, Pa. Wilde Post No. 25, G. A. R., of Chester, and Bradbury Post No. 149, of Media, are to jointly erect a monument in the court house square in Media in honor of soldier and sailor dead. It is to cost \$15,000, part of which the county is expected to appropriate.

Hamilton, O. The permanent Soldiers' Sailors' and Pioneers' Monument Association has advertised for bids for the erection of a memorial building according to plans in the hands of Architect Frederick Noonan, of that city. Proposals will be received up to May 1. Aaron Wesco is secretary of the association.

Columbus, O. State Senator Roger is drafting a bill providing for the erection of monuments to mark the positions occupied by Ohio troops in the battle of Antietam. The measure carries an appropriation of \$22,000.

Representative Foster has introduced a bill into the Legislature appropriating \$58,500 for the use of the Ohio commission in erecting monuments to Ohio regiments at Vicksburg.

Annapolis, Md. The Ways and Means Committee of the House of Delegates, has favorably reported a bill introduced by Dr. W. F. Pentz, appropriating \$10,000 for the erection of a monument to Maryland heroes of the war of 1812 on the battlefield at North Point, reducing the appropriation to \$3,000. The bill has been promoted by the Society of the War of 1812, and the proposed site is an acre of ground now owned by the State.

Washington, D. C. The following bills have been introduced in Congress:

By Representative Hughes: A bill to authorize the erection of a monument at Point Pleasant, W. Va., to commemorate the battle of the Revolution fought at that point between the colonial troops and Indians October 10, 1774, and appropriating \$50,000 for this purpose.

By Representative Bellamy: A joint resolution granting permission to the Shipp Monumental Committee to erect a monument in honor of the late Wm. E. Shipp on government property in Charlotte, N. C.

By Representative Cummings: A joint resolution granting permission to the Grand Army of the Republic to erect a statue to the memory of the late Benjamin F. Stephenson, founder of the order, on one of the public reservations in Washington, D. C. The provision is made that the statue, with pedestal, shall cost not less than \$15,000.

By Senator Pratt: A joint resolution appropriating \$100,000 as a part contribution to the erection of a monument to the prison-ship martyrs at Fort Greene, Brooklyn, N. Y. The provision is made that the appropriation shall not become available until there has been raised, by private subscription sums aggregating an additional \$100,000.

By Representative Currier: Appropriating the sum of \$50,000 for the erection of a monumental statue in bronze of Paul Jones, founder of the American Navy. The statue is to be erected in Washington.

By Representative Hay: A bill appropriating \$3,500 for a monument to Richard Kidder Meade, a Revolutionary hero, to be placed on his grave, at Meade Memorial Church, Clark County, Va.

By Representative Mondell: A bill providing for a monument of rough masonry and an historical tablet to mark the site of the Fort Phil Kearney massacre, appropriating \$800 for that purpose.

By Representative Sheldon: A joint resolution providing for the commemoration of the semi-centennial anniversary of the commencement of the construction of the ship canal between Lake Huron and Lake Superior, at the falls of the Saint Marys River, in Michigan, by placing a bronze tablet in the masonry of the locks, or on a monument to be placed nearby.

By Senator Vest: A bill providing for the purchase of a bronze portrait statue of George Washington, to be placed in the Capitol building or in the Congressional Library building.

By Representative Jones: A bill appropriating \$50,000 for the erection, at Fredericksburg, Va., of a monument to the memory of General Hugh Mercer.

By Senator Clapp: A bill appropriating \$50,000 for the erection in Washington, D. C., of a monument to General Frederick W. A. Steuben.

INFRINGEMENT NOTICE.

Having recently been informed that several concerns, engaged in the manufacture of Bronze work, were making hinges for Mausoleum doors which are an infringement of my Patent Safety Stop Hinge, and in one particular case an absolute copy of the Safety Stop principle involved in my hinge, I hereby give notice that I shall take prompt legal action for damages against any one using or manufacturing any hinge that infringes upon my patent, after this date, reserving the right to enforce claims for damages for infringements previous to this date.

I have now in my possession ample proof of the above statement.

I do not care to enter particularly upon the moral aspect of such a proceeding, or to qualify in any way the method of manufacturers who, apparently unable to evolve improvements of any kind prefer, as the easiest way, to take and make use of what does not belong to them.

My hinge is the only patented safety stop hinge for Vault doors and the only hinge that affords absolute protection to interior marble work of Mausoleums, and its value is abundantly shown by the infringements mentioned above. I desire to caution all vault builders, for their own protection and that of their customers, not to allow any safety stop hinges on their vault doors other than those manufactured by us.

PAUL E. CABARET,
BRONZE AND BRASS WORKER
NEWTON BUILDING, 342 WEST 14TH STREET,
NEW YORK CITY, N. Y.

Sole Manufacturer of Paul E. Cabaret's Patent Safety Stop Hinge. Patented
June 30, 1896. Patent No. 563,133.
New York, April 1, 1902,



Our Camera Club is conducted in the interests of the amateur photographers among our subscribers. An interchange of experience of special interest is invited, and, as far as possible, questions will be answered pertinent to the subject.

We illustrate this month another example of good work with the camera by Mr. A. S. Neal of Belfast, Me. The prints sent in by Mr. Neal cover a wide range of subjects and always evince painstaking on his part. He is a thorough believer in "whatever is worth doing at all is worth doing well."

Mr. Bly Campbell of Burlington, Wis., informs THE NEWS that he finds it profitable to use the camera in his business. He makes a negative of every monu-

apparent as black specks in the print.

The almost invariable cause of pinholes, however, is dust specks permitted to settle upon the film in the holders, during exposure, or in development. These are so-called pinholes, being simply transparent spots of gelatine where the light was prevented from acting on the film, or the developer could not perform its work because of particles of dust.

Remedies: See that the interior of the camera is kept absolutely free from dust by frequent careful cleansing. This is especially necessary if the camera is laid aside unused for any length of time, as during the winter months. In opening the back to insert the holder also, dust is liable to enter the camera and cause trouble.

Plate holders, or dark slides, need careful and frequent cleansing, the wear and tear to which they are subjected causing them to harbor dust and particles of all sorts. Always dust them thoroughly before filling with plates.

Plates, before being put into the holders, and just



SCENE IN PARK, BATH, ME. PHOTO BY A. S. NEAL, BELFAST, ME.

ment he puts up and uses the photographs to sell from.

For sometime past the *Chicago Record-Herald* has been devoting considerable attention to amateur photography. The department is in charge of one of the best known writers on photography in the West, Mr. F. Dundas Todd whose articles every Sunday will be found interesting and instructive to all users of the camera.

The following interesting extracts are from that excellent photographic journal the *Photo-Miniature*.

Removing Defects in Negatives.

The small transparent spots in negatives, commonly known as pinholes, are a source of great annoyance in photography. Careful workers are rarely troubled with them, but they abound in negatives made by inexperienced amateurs and careless professionals. This gives us a clue to their usual cause. They generally occur in great numbers, clustered together like the stars in the Milky Way, barely visible to the naked eye, but plainly

before development, should be carefully dusted. Usually this is done with a broad camel's-hair brush kept solely for that purpose. But this, in itself, is often a source of dust on the slightly tacky film in damp weather. A better duster is a piece of soft velvet fitted to form a straight edge or kind of squeegee. If this is kept perfectly clean and drawn quietly over the film before development, or before inserting the plate in the holder, dust specks will rarely give trouble.

For a valuable negative burdened with a crop of pin-holes there is no remedy except patient and careful "spotting" of the holes, using a hand magnifier to make the work as easy as possible.

SCRATCHES.

Remedy: Take particular pains not to permit the finger nails to come in contact with the film, wet or dry. Plates and negatives should always be grasped by the edges; holding between the thumb and finger.

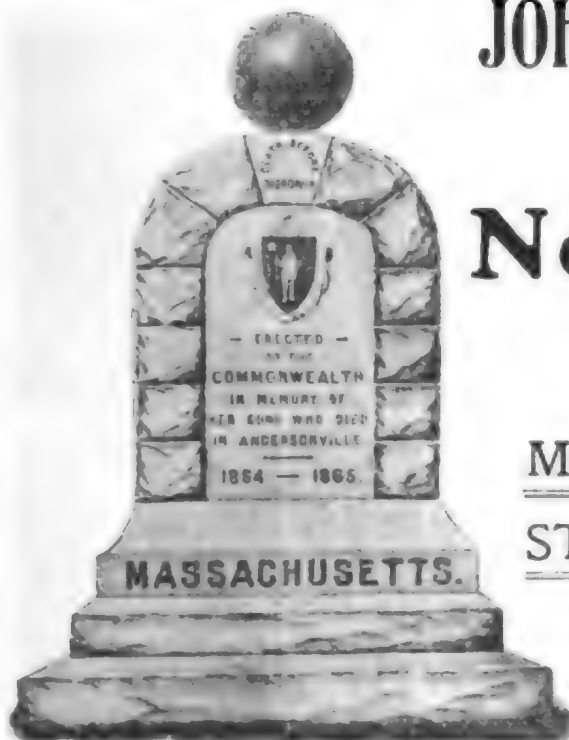


Have you had
Our Price on this
Monument
in Our

**Dark Blue
Northern
New York
Marble?**

We are working three quarries, have fourteen gangs of saws running, and have increased the force in our finishing shops. Doesn't this show that the dealers appreciate our stock and work?

THE NORTHERN NEW YORK MARBLE CO. PRODUCERS AND FINISHERS OF
DARK BLUE NORTHERN NEW YORK AND EMPIRE **MARBLES.**
Save Money by buying your Dies and Bases polished. **GOVERNEUR, N. Y.**



MASSACHUSETTS MONUMENT AT ANDERSONVILLE.
CUT BY JOHN THOMPSON & SONS.

JOHN THOMPSON & SONS

Manufacturers and Wholesale
Dealers in all Kinds of

**New England
Granite**

MONUMENTS, TOMBS,
STATUARY, BUILDINGS, Etc.

The Finest Grades of Quincy Granite
A SPECIALTY.

Quarry Street, QUINCY, MASS.

Notes of Retail Dealers.

ALABAMA.

W. J. Kemp, formerly of South Haven, Mich., is now located at Cullman, having purchased a half interest in the business of C. J. Moore of Cullman.

J. D. Coates, formerly of Attalla, has moved to Fort Payne.

CALIFORNIA.

James Greig, proprietor of the Mad River Granite Works, has opened a yard in Eureka.

CONNECTICUT.

The Fox-Becker Granite Co., has been organized at Middletown by J. C. Fox, F. C. Becker and R. L. Buell; capital stock, \$25,000.

Thomas Phillips & Son, 143 High street, New Haven, recently erected in Evergreen Cemetery in that city, a monument to John Addison Porter, the well-known journalist and Secretary to President McKinley during the war with Spain. It is an exact copy of the Egyptian obelisk in the Boston Museum of Fine Arts, closely following the original in design and finish. It is of pink Westerly granite, twelve feet high and occupies an imposing site on the Porter family lot near the sloping land leading to the West River meadows.

GEORGIA.

A petition for the incorporation of the Savannah Monument and Tile Co., has been filed at Savannah by William Roche, H. S. Turner and Geo. C. Little. The capital stock is given as \$7,000.

ILLINOIS.

The firm of Nicholas Vogt and Chas. Rigoni, doing business at Lockport as the Enterprise Stone Co., has been dissolved, and the business will be continued by Nicholas Vogt.

James B. Clow & Son, of Chicago, have let contracts for the refection of a new marble mill on South Western avenue. It will be 54 by 210 feet and is to cost \$50,000.

W. J. Moore of Sterling, writes that orders are coming in very good this season. He expects to move into a new building June 1st, with a show room 100 feet deep, in addition to workshop space.

Charles E. White succeeds Chas. E. White & Co. as proprietor of the Vandali's Marble & Granite Works at Vandalia.

Geo. Timm, of Arcola, formerly with the T. N. Smith Marble Co., will open a shop of his own in that city.

The following dealers were in Chicago during the past month: Joseph Westoupal, West Point, Neb.; W. M. Cline, Lansing, Mich.; S. Penniston, Stillwater, Minn.; O. N. Webster, of the Iowa Monument Co., Des Moines, Ia.; J. A. Powell, Perry, Ia.; J. P. Shiefen, Lake Geneva, Wis.

INDIANA.

J. W. Fieldhouse has purchased a site in Allendale and will shortly put up a plant for monumental work. He expects to employ about ten men.

Bach, Russell & Gelts, succeed Busch & Russell in the cut stone and monumental business at Muncie. The firm is prosperous and has recently contracted for a new building to be erected opposite Birch Grove Cemetery. It will have a frontage of 100 feet, will be built of pressed brick with trimmings of Olitic stone, and equipped with the latest machinery, including an overhead traveling crane, and pneumatic tool plant. The lower floor will be divided into a sales and ware room, cutting room, drafting room, and two offices, and the present office and shops will also be continued.

E. E. Bachelor has bought a half interest in the Angola Granite Works at Angola, taking the place of Frederick Emerson, who has retired from the firm.

William Dye and John W. Montgomery will succeed to the business of the Kelsay Marble Works at Fairmount.

IOWA.

I. N. Webster, of Des Moines, manager of the Iowa Monument Co., was recently in Chicago securing stock for the mantle, grate, and tile business which he carries on in connection with his monument trade. He reports good business, and has moved into new quarters with increased facilities for work.

Kemper & Elliott, of Sheldon, report the largest sales for this season of the year they have had for 15 years, including two cars of granite and one of marble for May delivery, with more coming.

J. A. Powell has opened a new shop at Perry and has ordered a large stock of granite and marble.

Sheehy & Lane, of Council Bluffs, will soon move into a new and roomy shop which is to have a fine show room.

John W. Miller, for 25 years in the marble and granite business at Iowa City, died at his home in that city March 10. He was 55 years of age and was one of the best known men of the county. He had served in the Common Council, was a member of a number of fraternal orders, and was held in high esteem as an exemplary citizen and successful business man.

The Gould Granite Co., of Cedar Rapids, writes, "We are enjoying a prosperous trade with the best class of buyers and predict a still better future for first-class dealers."

MARYLAND.

H. P. Reiger & Co., of Baltimore, have contracts for two statue monuments to be erected in cemeteries in that city. One is a bronze relief representation of the figure of Truth on the door of the Congressional Library at Washington, to be mounted on a pedestal of polished Quincy granite. The other is a monument to James McColgan, and will consist of a statue of Faith, in bold relief, with a Westerly granite pedestal carved in elaborate Romanesque design.

MASSACHUSETTS.

Geo. H. Carpenter, of Hudson, suffered the loss of his office and plant by fire in March. The loss amounted to over \$1,000 and was only partially insured.

The strike of the quarrymen at Quincy will interfere very seriously with the delivery of late spring orders.

G. F. Ames & Co., of Saugus, are erecting a new shed, 20 by 75 feet, and have recently installed some new machinery, including a twelve horse-power gas engine, an air compressor, and a Jenny Lind polishing machine, the largest one in the county.

Frank F. Cox, formerly of Cox & Keane, of Waltham, has erected a building for a shop at Newton.

Charles E. Curtis & Son, of Salem, are erecting an elaborate monument in Harmony Grove Cemetery, on the Goodwin family lot. It is 45 feet high and consists of three bases, a die, and a spire. The die is six feet by three; and is surmounted by a Gothic arch and cap supported by four columns. Beneath the arch is an Italian marble statue of Faith, and carved and moulded ornaments of elaborate design adorn the cap and spire. The monument is of Barre granite, weighs about 100 tons, and cost \$10,000.

MICHIGAN.

Powers & Peck have removed from Hillsdale to South Camden.

Harvey & Lane, of Ann Arbor, have removed to Traverse City.

McDONNELL & SONS

ESTABLISHED 1857



Quarries and Manufacturing Plants { QUINCY, MASS.
BARRE, VT.

HAVING started to manufacture at Barre, Vt., where we have had a quarry for a number of years, we would be pleased to figure on all Barre work desired. Our facilities at Quincy are unexcelled, and even though we may or have not satisfied you in prices the first time, try again. We handle extra dark, dark and medium stock. We also



cut Westerly Granite at our Quincy plant. Send in your sketches and they will receive our immediate attention.

P. O. Address, Lock Box 105,

QUINCY, MASS.

THE KENNESAW MARBLE

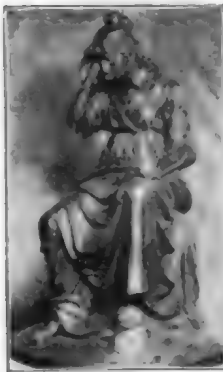
CO.

MARIETTA, GA.

GEORGIA AND ITALIAN MARBLES

SAWED STOCK AND FINISHED
MONUMENTAL
WORK.

CONTRACTORS FOR
INTERIOR DECORATION IN MARBLE
FOR
BUILDINGS AND MAUSOLEUMS.



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ERNEST
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Gold, Silver, Bronze,
D'Art & Statuary.

...Maker of...
FINE CASTINGS
for Silversmiths
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Specialty of Solid Gold
Cast Rings, Charms,
Scarf Pins, Etc.

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Color Bearer
8 ft.

THE AMES FOUNDRIES

CHICOPEE - MASS.

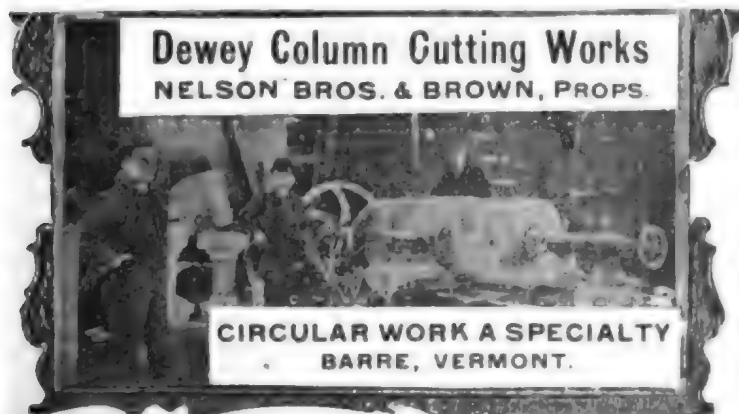
ESTABLISHED 1853.

Bronze Statuary

Tablets, Medallions, Doors, Gates.

and everything in the line of

ARTISTIC AND MONUMENTAL WORK.



Dewey Column Cutting Works
NELSON BROS. & BROWN, PROPS.

CIRCULAR WORK A SPECIALTY
BARRE, VERMONT.

COLUMNS,
ROLLS, BALLS
URNS, ETC.

(Notes of Retail Dealers.—Continued.)

A. Black & Son, of Grand Rapids, have bought a lot in a good location and are to build a new and larger plant to accommodate their expanding business. The building will be a two story brick structure, 50 by 121 feet, and will be equipped with polishing machinery, pneumatic tool plant, and all modern appliances for monumental work. The firm is crowded in its present quarters and expects to largely increase its working force.

W. M. Cline has started in business at Lansing. He was in Chicago the past month buying machinery for his plant, and will deal direct from the quarries in granite, marble and Bedford stone.

The Grand Rapids Monument Co., Grand Rapids, reports more orders on their books than ever before, and are preparing for a busy season. The firm was established in 1852, and is 50 years old this year. Michael Vandercook, the founder, conducted the business for 32 years, and his son, Henry B. Vandercook, the present head of the firm, began with his father 28 years ago. They employ 40 men and have a trade covering a large territory in the Central West.

MINNESOTA.

S. Penniston, of Stillwater, has the contract for the erection of a shaft of Minnesota granite in memory of Chief White Cloud, of the Chippewa Indians. It is to stand on the White Earth Reservation in the northern part of the state, and will be unveiled on Decoration Day in the presence of 4,000 Indians.

MISSISSIPPI.

W. T. Barry has opened a shop at Holly Springs.

MISSOURI.

The Weis & Jennett Marble Co., of St. Louis, has been incorporated by Jas. Weis, Geo. Jennett, Theresa Fausek and John Fausek.

Hank & McConnell, 7051 Florissant avenue, St. Louis, Mo., are out of business.

Miss Lucy J. Daniels of Exeter, has moved to Meade, Kas., where she will open a shop.

Hodges & McCarthy, of St. Louis, have a number of important contracts on hand, among them being one for a mausoleum to be the largest erected in St. Louis.

NEW HAMPSHIRE.

Allen, Chisholm & Co. have organized for business at Manchester.

NEW JERSEY.

B. S. Dormida, of Paterson, suffered a loss of about \$700 by the big fire that recently swept through that city.

Frederick H. Thompson has bought the marble and blue-stone yard of Robert McKeown at Red Bank, and will continue the business there. Mr. McKeown will move to Jackson, Tenn., where he will engage in the same business.

S. P. Miller has opened a shop for general marble and granite work at Locust avenue and Federal street, Burlington.

The O. J. Hammell Co., of Trenton, has been incorporated to deal in marble and granite; capital \$25,000.

NEW YORK.

Budoin & Zahn, of Richmond Hill, have dissolved partnership.

A recent decision of the Circuit Court at Albany gave judgment in favor of William H. Young, of Troy, who brought suit against Dennis Daley, of Cohoes, for copying a patented design for a sarcophagus monument. The design consisted of an arched tablet of rock work, narrow in the middle and widening toward the ends, having the lettering arranged parallel with the arch. The judge decided that the patent had been infringed, assessed \$250 damages and cost against the defendant, and ordered a decree for an injunction restraining him from further use of the design.

N. W. Barber, of Waverly, writes that he was recently sent for by a man 101 years old, who placed an order with him for a monument to mark his own grave. He would like to hear from dealers who have older customers than this.

Edward Wallace, formerly of the firm of Wallace & Earle, will open a shop at Malone.

R. Y. Allen, of Phoenix, will erect a new four-story flat building, the first floor to be used for his marble business.

NORTH CAROLINA.

Wood & Reel will open a marble works at Wilson.

C. A. Goodwin, of Raleigh, formerly with the Raleigh Marble Works, will open a plant of his own for monumental and building work of all kinds.

A recent issue of the *Troy Daily Times* contains several excellent illustrations and a write up of the business of the Flint Granite Co., of Troy. They carry a large and varied stock of finished work at the old Gazely stand.

OHIO.

The Casparis Stone Quarries at Jones' Dam, near Columbus, recently suffered from a disastrous fire caused by the explosion of a lamp. The loss amounted to about \$50,000, and included three engines, a dynamo and other valuable machinery.

Gust & Son, of Fremont, have let the contract for the erection of a new building to be erected this summer. It will be 40 by 120 feet, and equipped with modern machinery.

T. H. Kelley, the veteran Springfield dealer, has installed a pneumatic outfit at his shop.

George A. Douglas is now representing Leland & Hall Co. at Cincinnati, having severed his connection with the New England Granite Works.

The late Wm. C. Townsend, who was familiarly known as the father of the wholesale granite dealers, got his first experience in the monument business selling stone for W. H. Sarvis of Cincinnati. Mr. Sarvis began business thirty-five years ago in that city during which time he has seen many changes in the trade, particularly in regard to marble, which at one time he manufactured extensively for monumental purposes. His reminiscences of by-gone days are interesting, some of these days he may put them on paper for the readers of THE NEWS.

F. M. Stewart & Co. have succeeded Weaver & Stewart at Montpelier.

Mr. Charles Clinton has presented a statue of Abraham Lincoln to the Avondale school at Avondale, a suburb of Cincinnati, to be erected on a plaza and pedestal given by the people of the town. The pedestal is to be of Barre granite, with a bronze figure representing Fame in the act of inscribing the name Lincoln, and his famous sentence "with malice toward none and charity toward all," on the die. The statue of Lincoln is eight feet high, and the pedestal is to be flanked by stone benches 36 feet long, terminating in stone pillars, surmounted by bronze lamps. Legner & Quaing, 211 E. Fourth street, Cincinnati, have the contract for erection. The setting of the monument will be somewhat similar to that of the Lincoln monument in Lincoln Park, Chicago.

ONTARIO.

Robinson & Corbett, formerly of Mt. Forest, have started in business at Durham.

D. T. McIntosh, of the McIntosh Granite and Marble Co., Ltd., Toronto, passed through Chicago recently on his return homeward from a trip to the northwest. He found conditions very favorable for a busy year in Manitoba.

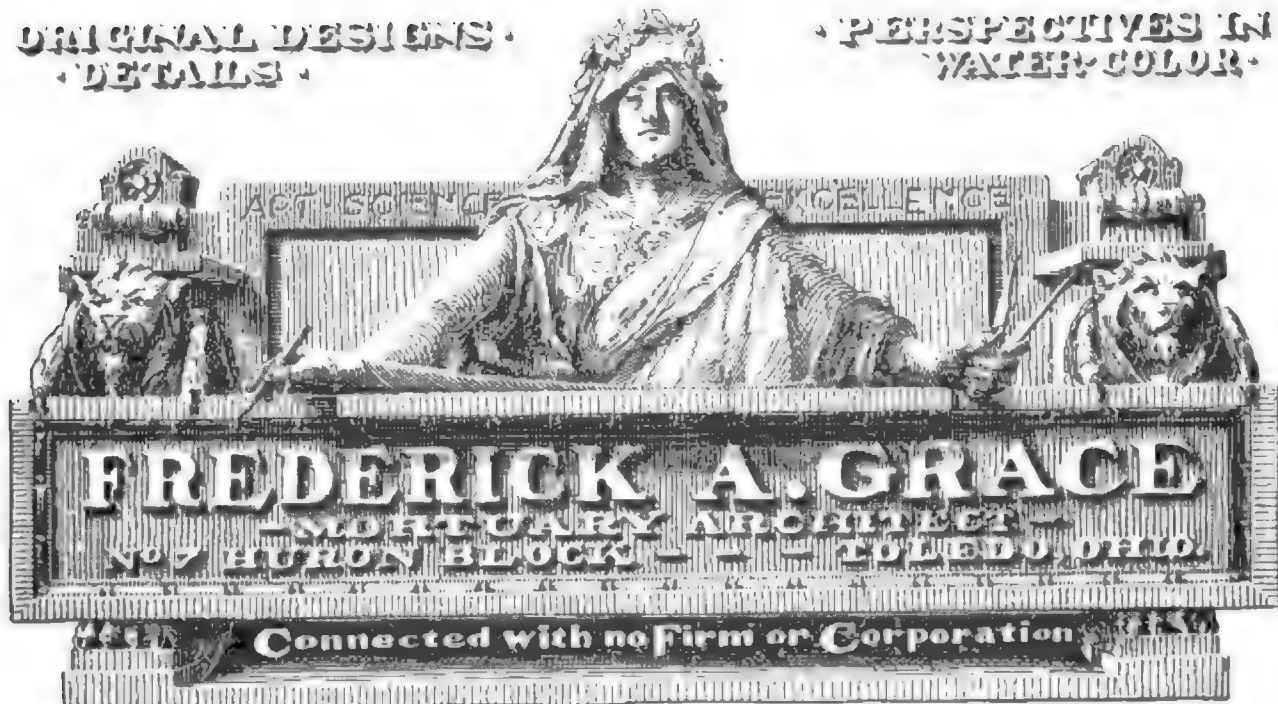
OREGON.

Whipp & Wright have recently commenced business at Ashland.

(Continued on Page 250.)

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WATER-COLOR.



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SCULPTURAL
MONUMENTAL
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ILLUSTRATIONS

Plates in Photogravure Edition.

(Formerly The International Edition).

- NO. 617 DESIGN FOR TABLET, "HULL," BY E. Sargent Sampson, New York City. Sizes: B. Base, 5-0x2-2x1-0; Base, 4-2x1-4x1-2; Die, 3-0x1-2x3-0.
- NO. 618. BURGESS AND FLEMING SAUNDERS VAULTS in Mount Mora Cemetery, St. Joseph, Mo.
- MO. 619. HALL MONUMENT, SLEEPY HOLLOW Cemetery, Tarrytown, N. Y.; embodying sculptured figure of an angel bearing a tablet; Augustus St. Gauden's, Sculptor. Executed by R. C. Fisher & Co., New York City. Photograph by Bliss Bros., Buffalo, N. Y.
- NO. 620 DESIGN FOR MONUMENT, "SANDS," By R. C. Blockson, Boston, Mass. Sizes: Base, 5-2x3-2x1-4; Base, 4-1x2-1x1-0; Die, 5-6x1-6x3-0; Height, 5-4.
- NO. 621. INTERIOR AND EXTERIOR VIEWS OF THE Memorial Arch erected on the campus of Yale University New Haven, Conn., in memory of Gerard Ives and Ward Cheney who lost their lives in the Spanish war.



MONUMENTAL NOTES.

Statues of the four Kvangellists, Matthew, Mark, Luke and John are now being erected in the churchyard of Old Trinity Church, New York City, in four niches which have been left vacant for that purpose for many years. They are gifts to the church and have just arrived from Farmer & Briently, of London. The figures are ten feet high, weigh about three tons each, and are made of Dumfries sandstone.

A bronze head, supposed to be a portrait of the Emperor Tiberius, is reported to have been recently unearthed in Turin, Italy, during excavations for the foundations of a house, and at Treves a magnificent tassellated pavement has been discovered in excavating for the new canal. The latter is said to be in an excellent state of preservation, with designs and colors unimpaired. It is to be removed to the Provincial museum.

The site for the McKinly memorial statue to be erected at Columbus, O., has been selected, and sculptors and artists have been invited to submit designs. The statue is to stand on the capital grounds, and will cost about \$20,000. John G. Desbler is chairman of the committee. Sculptor Hermon A. MacNeil has been assisting the committee in the selection of site, and will submit a design for the memorial.

The Commercial Club, of St. Paul, Minn., has presented to the steamer St. Paul a bronze tablet, recently unveiled in New York harbor in recognition of the service of the vessel in the late war. The panel is three feet long, and was cast from Spanish gun metal taken from vessels and torpedo boats, captured or sunk by the St. Paul in action. The dedicatory ceremonies were elaborate, and included an address by Captain Sigbee, U. S. N.

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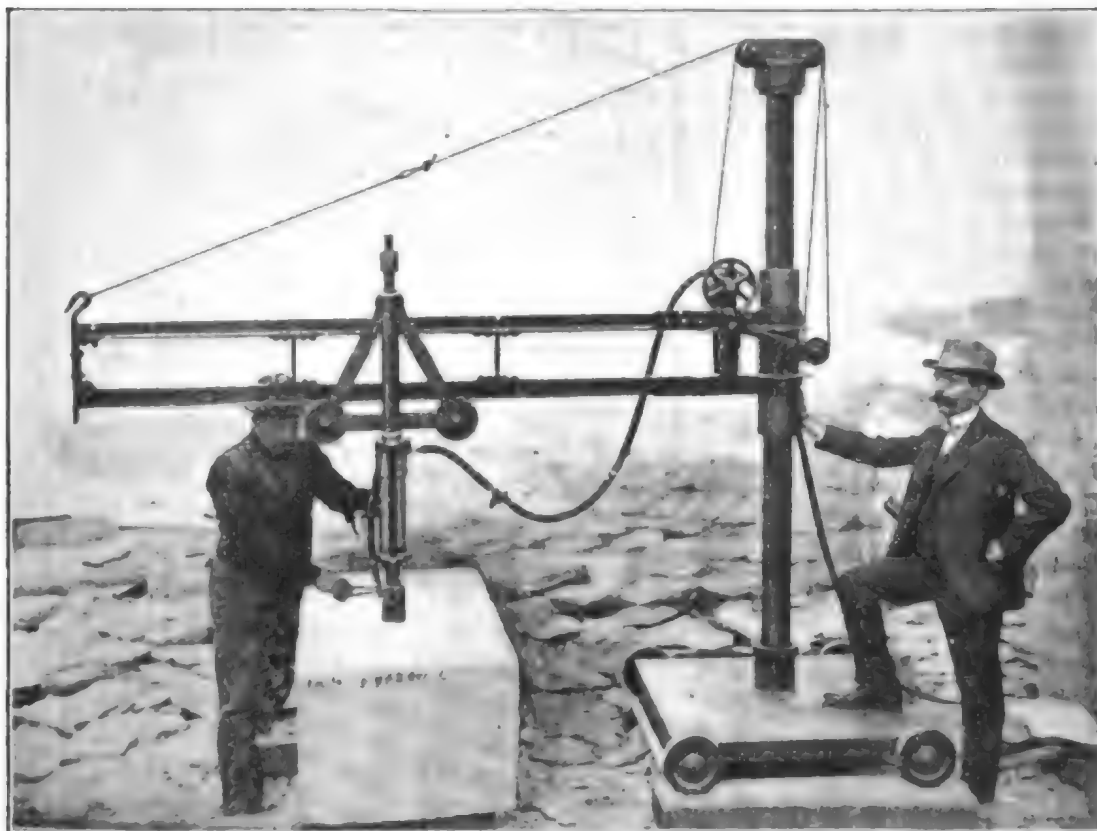
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 Pneumatic
 Stone
 Tools
 and
 Appliances.
 ENOUGH
 SAID.

No. 130 Nassau Street,

NEW YORK CITY.

Medallion
 Bust of

President McKinley.



WE have obtained exclusive control of the sale of this handsome medallion of the late President, and can offer agencies to progressive monument dealers who appreciate the value of an artistic and appropriate side line. Leslie's Weekly says of the bust: "The portrait is a striking one and fully repaid Mr. McKinley for the sittings he was able to give to the young sculptor. The President has seen the bust in its present almost finished state, and has expressed himself as very much gratified with it."

OUR AGENTS

are selling large quantities of them to private individuals, Ladies' Aid Societies, Young People's Organizations, Woman's Relief Corps, and other Societies. Mr. C. W. Stewart, Elmira, N. Y., sold 15 gross in seven days. The following letter shows the genuine character of the work:

Mr. H. P. ALBAUGH: Dear Sir: During the summer of 1899 President McKinley gave a series of sittings to Ferdinand E. Leimer, sculptor, for an heroic bust to be exhibited at the American pavilion at the Paris Exposition, the order for the work being given by Commissioner General Peck. Mr. Leimer is the only sculptor to whom the President gave a sitting. The recent medallion by Mr. Leimer is claimed by the President's friends to be, and undoubtedly is, the finest reproduction of the President of any character extant. Respectfully, Robert J. Thompson, ex-Special Envoy of President McKinley to the French Republic.

WRITE FOR TERMS TO

ALBAUGH BROS., DOVER & CO.,

323-325 DEARBORN ST.,

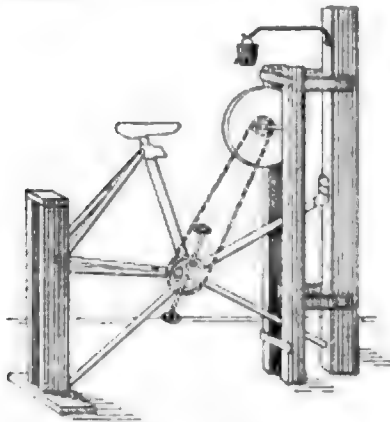
CHICAGO, ILL.

Copyright, 1901, By F. E. LEIMER.

Workshop Hints.

A GRINDSTONE SCORCHER.

A device for utilizing a bicycle to run a grindstone is described in *Popular Mechanics*. It was originated by John Arrowood, who describes it in the *American Blacksmith* as follows:



Courtesy Popular Mechanics.
A GRINDSTONE BICYCLE.

"I had the frame of an old bicycle and used it in connection with the stone. I first cut out the middle brace of the bicycle and with a 2 by 4 timber made the rear support. Next I stapled the front of the bicycle to a stout post and then made the frame of the grindstone. I braced the bicycle frame underneath. By cutting the spokes out of the rear wheels I secured the small sprocket. I then fitted a small piece of wood

into the square hole of the grindstone, bored a hole in the wood the size of the sprocket axle and fitted the axle to the stone. I cut notches in a piece of iron for the axle to rest in and nailed the iron to the frame. As the stone was quite high, it was necessary to obtain two chains and put them together. The machine is now a handy bull-bearing grindstone, which runs at any speed and costs but little to make."

A GOOD RECORD.

Nick Becker, of Dixon, Ill., has sent *THE MONUMENTAL NEWS* proofs of two inscriptions cut by him on Barre granite monuments in a short space of time. The first inscription covers a space of 8 inches, it contains 113 sunk letters, of which 60 are 1 1/4" and the balance 1 1/2" letters and numerals and punctuations. This inscription was laid out and cut in 9 hours and 40 minutes. The second inscription contains 16, 1 1/4", 13 1 1/2", and 9 1 1/4" inch letters, numerals and punctuation points, and was laid out and cut in 3 1/2 hours. Judging from the paper proofs the work has every appearance of having been well done. Mr. Becker says that he can cut 100 1 1/4" inch letters in first-class style in a day of 10 hours without extra exertion, and can do better than 125 letters that will pass inspection in the same space of time when the occasion demands.

We should like to hear from other experts at lettering.

REMOVING POINT MARKS ON GRANITE.

O. Z. Texas writes: "I would be pleased to find out how to remove point marks from rustic work." This is usually accomplished by the application of a hot blast from a naphtha lamp such as painters use for removing paint. After getting the surface very hot throw cold water on it and the granite will scale off removing the point marks.

LIQUID FOR CLEANING MARBLE OR GRANITE.

J. W. Georgia, writes for information concerning "a liquid that will clean marble or granite in the cemetery."

In addition to the material advertised in these columns from time to time for this purpose, H. C. Hicks, an expert workman, recommends the following for use on marble, he

has never tried it on granite. Take a bullocks gall and one gill of soap lees, half a gill of turpentine and make into a paste with pipe clay; apply it to the marble and let it remain a day or two, then rub off. If very dirty repeat the application.

Can any one suggest a simpler method?

LETTERING.

Too much stress cannot be laid upon the importance of exercising the greatest care in the spelling as well as the execution of the lettering on inscriptions. Mistakes frequently occur that are purely the result of carelessness. To make corrections is costly and are likely to result in the disappointment of an otherwise artistic memorial. On the monument recently erected to a naval hero a glaring error occurs in the spelling of a proper name. This might have been avoided by referring to any geography, but because the name was so commonplace the author of the inscription was not doubted and his copy was blindly followed by the letterer.

USING TOOLS.

"A good workman is known by his tools," is an old saying, not however to be taken literally, but simply conveying the truth, that a "good workman makes good use of tools." I have seen stonecutters come to work with splendid outfit, hammers galore, etc., but alas, like the beautiful feathers of a peacock that was all their stock in trade. They did not know the energetic persevering, masterful use of the steel. I have on the other hand seen the thoughtful, earnest man attacking his work with the spirit of the true mechanic, quite careless possibly of his kit, yet seldom or never fault finding, and using the implements of trade with judgment and discretion, always having a few fire-sharp chisels in reserve, his bush hammers worn true and square. Do you employers ever think of the great expense incurred not alone financially, but in the inferior workmanship occasioned by the thoughtless abuse of fire-sharp tools? Tools and tool sharpening in the granite business constitute one of the heaviest expenses, and surely a highly important one to the large shop with the blacksmith close at hand, and to the small shop with its fresh sharpening sent once or twice a week or less to the blacksmith miles away, or most often in inland towns and villages attended to by the village smith. Whichever way it may be, the rule holds equally good, that the apprentice to the trade should be as carefully instructed in the proper economical handling of tools, as he is in the mere cutting.

The story goes that the great merchant A. T. Stewart, once discharged a clerk simply because he used too much string in wrapping a bundle. A small matter, we think, but applying the principle to our business, we could often imitate the example as we see the cutter plunge the fire-sharp chisel and point into the rough, wrecking steel and temper, exclaiming, "that blacksmiths no good," and advancing slowly in his work, using the bush hammer as though he were battering down the rocks of Gibraltar.

True, the blacksmith may be at fault occasionally, the village smith undoubtedly is the more often, yet the truth still remains, that having a schooled apprenticeship in the careful exercise of thought, and the knowledge of stone, can frequently coax even a poorly tempered tool to do its work.

A blacksmith old with experience, once said that he could always size up a cutter's ability by the condition of his tools sent in, and that seems to cover it all.

Harvard C. Wood

HIGHER PRICES

Now prevail in BARRE AND QUINCY GRANITES. The former will be raised by the Exchange about 20 per cent. I have in stock about 100 small Monuments of popular designs, which I will sell at the old prices. Cannot duplicate these. Send for stock sheet.

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ALBANY JACK.



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CHEAPEST
STONE JACKS
in the market,
and the price
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Use Nash's Expeditious Measurer.

A book containing 200 pages of indexed tables, which show at a glance the cubic contents of any stone, according to its length, breadth and depth. Used by stone workers all over the world. Order your book seller or address of the publisher. 100th Edition Printed Entirely from New Plates.

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SAVE LABOR.

SAVE TIME.



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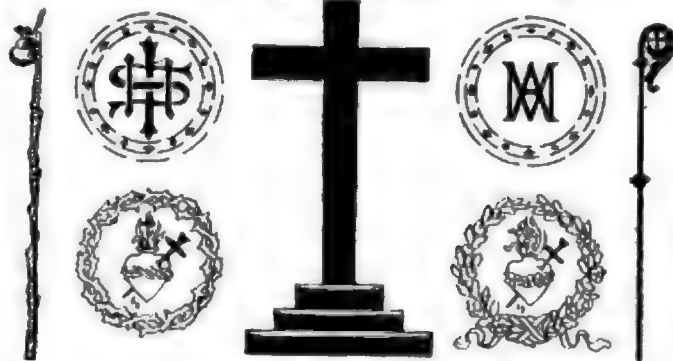
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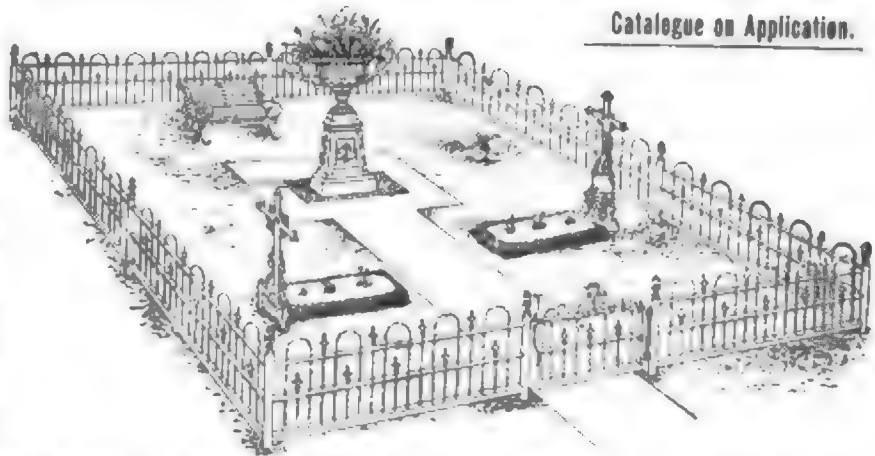
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The book contains some errors, if purchasers will send their addresses to the undersigned, they will receive correction slips. Criticism solicited.

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BADGER IRON & WIRE WORKS

MILWAUKEE, WIS.

Manufacturers of FENCES, VASES, CHAIRS, SETTEES,

And a general line of Iron and Wire work for all purposes.

Compare our prices with those of other manufacturers.

SWEENEY GRANITE WORKS,

WESTERLY, R. I.

PROMPTLY SUPPLIES FOR THE TRADE BEST QUALITY OF

Pink, White, Blue, Red or Gray

Westerly Granite.

Notes of Retail Dealers—(Continued.)

PENNSYLVANIA.

The firm of Torrence & Palmer at Clearfield, has been dissolved, Mr. Palmer retiring. C. L. Torrence continues.

The accompanying illustration shows an interior view of the shop of R. M. Gee's Sons, at Monongahela City. It is



SHOP OF R. M. GEE'S SONS, MONONGHELA CITY, PA.

well-equipped with Hall Air Compressor, Kotten pneumatic tools, and other modern machinery, and the firm reports a nice business, with encouraging increase since installing their new machinery.

The contract for the soldiers' monument to be erected at Dravosburg has been awarded to R. O. Ruhlin. It is to be 16 feet high and will be surmounted by a sheet copper statue of a soldier at parade rest. The work is expected to be finished for unveiling on Decoration Day.

Joel G. Bartholomew, of Bath, writes that he is in good health and has plenty of work, he has been a dealer for 52 years and has never used tobacco, beer, or whiskey.

SOUTH DAKOTA.

Carl Rettmaier & Co. will open a shop at Grand Forks as the Grand Forks Granite and Marble Works.

C. J. Day, formerly of Watertown, has removed to Brookings, where he has opened a new shop with better facilities for turning out work. He sold his business, lot, and shop in Watertown to Hon. John B. Hanton, instead of to C. J. Dietrich and G. J. Zirngible as was erroneously reported in this department last month.

J. H. Riordan, formerly a dealer of Hot Springs, whom we reported as having moved to Central City, died last September, his family having removed to Central City where they are now living. Mr. Riordan had more than a local reputation as a designer and builder of monumental work, and was widely known and highly respected in the community where he lived.

MINNESOTA.

Mr. P. N. Peterson, of the Peterson Granite Co., St. Paul, passed through Chicago accompanied by his wife, on a return trip from the quarries in the East, where he purchased a large quantity of rough stock. Among his recent contracts, is one for the eleven regimental monuments for the State of Iowa on the battlefield of Shiloh. The monuments are to be of uniform design in medium Barre granite, ornamented with bronze tablets and wreath; and the state seal, and will be of the following dimensions: Base, 10 feet by 6 feet 2 inches; base, 8 feet 2 inches by 4 feet 8 inches by 1 foot 6 inches; die, 7 feet by 3 feet 9 inches by 3 feet; cap, 8 feet 4 inches by 4 feet 8 inches by 3 feet 2 inches. The contract is valued at between \$18,000 and \$19,000.

ILLINOIS.

Charles G. Blake & Co., Chicago, have just completed the erection of a large vault in Calvary Cemetery this city for the Gormully family of bicycle fame. The structure is of Barre granite all fine cut. It is 15' x 27' on the ground and contains eight catacombs. The interior is finished in Italian marble, an art glass window from Munich is an attractive feature.

(Continued on Page 260.)



DESIGNS FOR MONUMENT, BY E. SARGENT SAMPSON, NEW YORK.

Sizes: B, Base, 7'-6" x 4'-6" x 1'-2"; Base, 6'-0" x 3'-0" x 1'-1"; Die, 5'-0" x 2'-0" x 2'-9".

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EAST MILTON, MASS.

Works, One Mile from Quincy Quarries.

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TRAVELING CRANES
 Up to Forty Tons Capacity, Suitable
FOR GRANITE SHEDS
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WRITE FOR QUOTATIONS.



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 BASES AND
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Correll & Groh
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 OUR BLUE STONE
 makes fine bases and
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 which sell the work. These cuts show four of my
 STAR photos. Watch for four more next month.
 Mirror finish, cloth back, 11x14 inches, \$8.50 per doz.,
 singly 75 cents. Thirty or more to select from. Photo-
 gravure series. 15 designs, 12 Plates, 14x22 inches.
 Landscapes: colored, \$6.00; plain, \$5.00. Only a few
 more colored ones left. Two sizes and prices. Send for
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Special Air Brush Designs neatly made
 to order promptly.

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At the QUARRIES

QUINCY, MASS.

(From Our Regular Correspondent.)

There has been something doing here during the past month, which if not attended to within a reasonable time will place this city in the extreme rear among producers of rough and finished granite.

On March 1st, 400 quarrymen quit work because their employers would not grant them an eight hour day without a reduction in the pay they had been receiving for a day of nine hours. Prior to the date in question, two committees representing the Quarrymen's Union, and the quarry owners of the Manufacturers' Association met in conference, but could come to no agreement. The quarry owners were willing to concede the bill for a half year, but the operators could not see it in that light, and rather than accept the proposition voted to suspend work entirely.

Neither side met again until March 14th, when a second conference was held. The quarry owners made a proposition conceding an eight hour day, adding an advance of 10 per cent over the present eight hour pay, if the men will work an extra hour per day, at the regular rate, during the months of March, April, May, June, September, and October, and to concede an eight hour day on the above basis, as soon as Barre Vt. grants it. This proposition was referred to the men in mass meeting the next day, and it was unanimously rejected. Here the matter rests and at this writing, March 21st, no conference has been arranged.

The trouble has had the effect of ruining the present season's business. John L. Miller, one of the most prominent manufacturers is authority for the statement that fully \$100,000 worth of orders have gone from this city to other places.

The writer purposely refrains from expressing an opinion of the regrettable occurrence. Manufacturers who have been interviewed though, and parenthetically speaking (they are not quarry owners) are a unit in declaring for the men.

They hold that the quarry owners have had things pretty much their own way for two years back, and without apparent reason have jumped the price of stock several times in that period. The manufacturers had no redress and their profits on finished work materially decreased. Now that the bulge is on the quarry owner the sympathy of the manufacturer is with the operators. The affair may be justly viewed as a calamity. The trade was experiencing a prosperous period when the trouble commenced. True, there had been a shortage of stock prior to the strike, but this difficulty has been cast entirely in the shade since the greater trouble ensued.

At the last regular meeting of the Manufacturers' Association the members voted not to reconsider the vote taken last September, whereby the local association withdrew from the New England Granite Manufacturers' Association.

The vote taken in September was the subject of some discussion at the annual meeting of the New England association held in Barre Vt., a month ago, and it was voted not to accept the resignation of the Quincy Association. The vote of the latter association is regarded as an answer to the action of the New England association and emphasizes anew the desire of Quincy to withdraw from the larger organization.

The desire on the part of Quincy to withdraw is said to be the result of a disagreement which has existed between the manufacturers of this city and Barre for two years, or since the last stonecutters' strike, when the Barre association settled the wage war without a suspension of work, while the business in this city was tied up for a space of nine weeks. During this time Barre profited by Quincy's loss.

A prominent manufacturer said that the action of the Quincy association in voting to withdraw from the New England organization was a most unwise one, as it left Quincy at the mercy of labor unions. He said if the vote of the Quincy association was accepted by the New England organization, the local manufacturers would not receive any aid from the New England Association in times of labor troubles. Quincy, he concluded would have to make immediate peace with the labor unions, or else go out of the granite manufacturing business for all time.

The adjourned meeting of the New England association was held in Boston, March 28th. The only business of importance transacted was the appointment of a committee of five to draw up a new constitution and bylaws. This is construed as a step toward reorganization, so that a better feeling may exist between the different granite centers.

The granite shipments during the month of February amount to 5,310,400 pounds and were distributed as follows: West Quincy, 1,893,225; Quincy Granite Quarries Co., Via, Quarry Railroad, 1,600,000; Quincy Adams 1,817,175.

In our January issue in this department, a table of the granite shipments from Quincy by months for the year 1901, was given in which the \$ mark was erroneously placed at the top of the column. The figures referred to the weight in pounds, and not to the value of the shipments.

March 22nd. Two members of the State Board of Arbitration visited this city yesterday and conferred both with quarry men and owners with a view of settling the present labor difficulty. After looking carefully over the existing situation they reported conditions favorable for another joint conference between the owners and operators and an ultimate settlement of the differences.

A late dispatch from Quincy reports that at the conference between the Quarrymen's Association and the Union held on March 24, no agreement was reached, and the quarries resumed work March 26, regardless of non-settlement. The proposition of the men to work three months on a nine hour basis was refused, and at a mass meeting the next day the Union again rejected the proposition made by the employers March 15.

(Continued on Page 254.)

WELLS, LAMSON & CO,
BARRE, VT.

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OUR SPECIALTIES:

MAUSOLEUMS.

MONUMENTS.

GRANITE STATUARY



ROUGH GRANITE.

Squared and Polished Blocks.

Large Boulder Monuments.

Any Size to the Limits of Transportation Furnished Promptly.

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DILLON & HALEY,

MANUFACTURERS OF

High-Grade Monumental Work

DIES, CAPS AND
BASES POLISHED
FOR the TRADE.

FROM SELECTED

BARRE GRANITE.

MONTPELIER, VT.

OUR WORK IS
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AT THE QUARRIES.—(Continued.)

BARRE, VERMONT.

During the past month the Granite Exchange has been instituting its offices and their necessary furniture and supplies, and getting ready to do business. The



C. W. MELCHER, MAYOR OF BARRE.

offices are in the second and third stories of a large business block in the center of the city, on North Main street, a very convenient location for all parties. The fact that all the space needed could not be obtained until after the 15th, delayed matters somewhat but all possible preparations had been made so that the rooms could be fitted up and occupied in a short time. Manager Mackay will have a competent staff of clerks, estimators and bookkeepers, and will make every effort to keep the large volume of business squarely up to date, and avoid delays as much as possible. Thus far 109 firms have paid their assessments, and so signified their adherence to the new system. Possibly a number of others will be added before this is printed.

March was in the main a good month for business, though high water and floating ice did considerable damage to some of the plants here, and more in Montpelier. George Staiton with some of his employees was imprisoned in his new plant by sudden rise of ice filled waters, and kept there several hours. Just as a rescue party was setting out, the ice jam below gave way, and the flood fell as quickly as it had risen. Beyond filling some of the sheds with water, and surrounding them with huge cakes of ice piled up in all sorts of shapes, no serious damage was done here. In Montpelier two large bridges were carried away, and many of the plants flooded. There has been a good deal of good quarrying weather, and the roads have been fine.

The quarrymen have formed a union 800 or 900 strong and have made a demand upon the Quarrymen's Association for an 8 hour day with 9 hours pay, and a time and a half for all overtime work. The Association met March 27, 1902, and voted: "We find it impossible to comply with the request of the Quarrymen's Union." New officers were installed as follows: President, Geo. Lamson; Vice President, J. M. Boutwell; Secretary, Alex. Clarihew; Treasurer, John E. Smith. After installation a banquet was served. It is believed that the quarrymen will strike on April 10.

As predicted last month Mr. C. W. Melcher, of Melcher & Hadley, was elected mayor of the city by a large majority, and he has entered upon the duties and honors of the office under very auspicious circumstances.

MAINE.

Extensive preparations are being made for a busy season at Stonington. M. G. Ryan & Co., purchased 23 acres of granite land at the "Settlement," and have recently been equipping their plant for quarrying. They have completed a crib dock 150 feet in length and built an approach to it from the shore, 175 feet away. They have the contract for furnishing granite for the approaches to the new East River bridge in New York, and are to start 150 or 200 men to work April 1. Parker, Ryan & Co., who some months ago purchased the Goss & Small quarry on Crotch Island, are to replace their entire steam power equipment with a compressed air plant, which will operate their railway drills, and derricks. This will be the first granite plant in Maine to be equipped in this manner. John L. Goss is also busy shipping Crotch Island granite to New York and Boston. One of his recent contracts is the furnishing of pilasters and foundation stone for the new dormitory to be erected at Harvard University. Booth Bros., and Hurricane Isle Granite Co., have the contract for furnishing granite for the new Federal building at Annapolis, Md. The contract is valued at \$750,000 and will require between two and three years for completion.

QUARRY NOTES.

The Mount Pleasant Quarry Co., has been incorporated under the laws of Maine by James W. Connor and W. L. Pushor of Pittsfield, Mass., and Albert Brackett of Milton, Mass. The company is capitalized at \$60,000, all of which is paid in. They control 22 acres of granite land between Milton and Milton Lower Mills on the line of the electric railway from Boston. The granite is said to be well adapted to monumental purposes and the shipping facilities are good.

The Blue Mountain Granite Co., has been formed at Waynesboro, Pa., by local capital to develop and operate extensive quarries near Maria Furnace in Adams county. Reports say that the granite is of good quality and a number of contracts for supplies of it are already on hand.

H. P. Hixon, of La Crosse, Wisconsin, is reported to have acquired an extensive tract of granite land at Merrill, and to have expended \$20,000 in machinery and equipment. It is said that he is to compete with the so called "granite trust" in Wisconsin.

Reports of efforts toward the formation of a granite trust uniting several of the largest granite companies in New England, come from New York. It is said that options on a number of plants have already been secured by New York capitalists.

The Brandywine Granite Co. Wilmington, Del., has suspended operations, and will, it is said, abandon their quarries there. The quarries employ from 75 to 150 men and have an annual output of about 100,000 tons.

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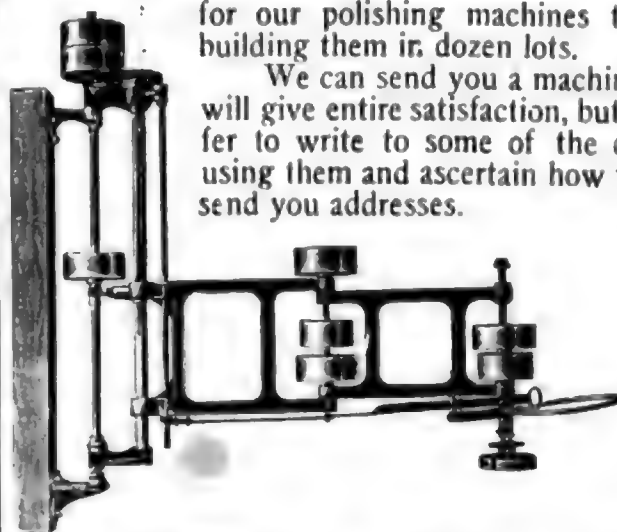


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This is a question easily answered, but is practiced by only a small proportion of the craft. Why this is the case, we attribute to the class of men who come into the business without any knowledge of the trade, and but little capital.

These are the brokers of the trade and through agents, force or make unnatural sales, which result in long winded notes and promises to pay as a recompense.

The country is full of monuments and duplicates as though they grew on bushes all ready to set. We cannot see why this business should not rank with any profession of a mechanical nature in the world. It comes nearer encompassing all the arts of design and sculpture, both in execution and expression, and when rightly placed, will lead them all. It will also hand down to posterity our records as we are making them for future historians and scientists to discover from the dust of ages.

When that day comes, as it surely will, what do you suppose the diggers will say when they strike the Vermont Marble Co's age, varied, within the rustic and concord crystal period. Suppose ten thousand years hence a commission is appointed to look for lost relics of the past—one in Florida, one in Michigan, one in California, one in Vermont or Massachusetts—report: 'Explorers of the four points, have examined monuments of the past, all consisting of stone base, marble base and die, or inscription block; same size and style.' What a coincidence? Won't they be puzzled to find such a quarry. We all know if they dig they will find them. But enough; why extend this business further? Why not begin a new era? One up to date. First of all let us harmonize our ideas through the NEWS. We only ask a consideration. If our way is good or part good, apply it. If someone has a better one use that. But get together. There is only one business and thousands of dealers. The business is the same in all localities, and this being the fact, how shall we present it to our patrons in the most pleasing light?

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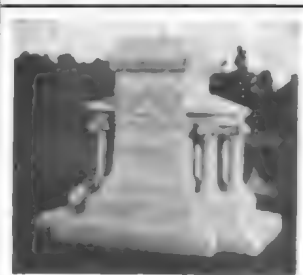
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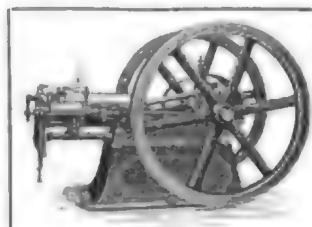
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The McIntosh Granite and Marble Co., Ltd., Toronto, Ont., have a neat calendar illustrating the Burns monument to be erected in that city, the pedestal of which is to be furnished by them.

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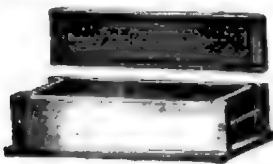
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THE MONUMENTAL NEWS.

A MONTHLY JOURNAL OF MONUMENTAL ART.

VOL. XIV. Chicago, May, 1902. NO. 5.

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A Busy Month. May is probably the busiest month in the Calendar for the average monument dealer. All orders taken for early spring delivery are supposed to be completed before the end of the month so as to be in readiness for Decoration Day, May 30. As usual there will be many disappointed ones owing to the labor troubles, floods etc., but as a whole the volume of spring delivery work will, it is thought, compare very favorably with that of last year.

The New Quarry Agreements. New agreements have been entered into between the granite quarry-owners and their workmen at the Barre and Quincy quarries covering a term of years, the details of which are given by our special correspondents elsewhere in this issue. These settlements like those existing between the manufacturers and the granite cutters insure an extended period of freedom from labor troubles which is hailed with delight by all concerned. Concessions were made by both sides not the least important being that relating to the retention of the nonunion workmen.

Freight Rates Not Raised. Western monument dealers are indebted to Mr. H. D. Pierce, of Chicago, for having secured a suspension of the rates on marble and granite until after the

next regular meeting of the Western Classification Committee. The petition, signed by ten members of the committee, was sent to all of the western roads, some eighty-five in number, and favorably voted on, thus leaving marble and granite ratings the same as they have been for the past year. If the new rule had been enforced, finished marble and granite, either in car-loads, or less, would have taken first-class rates, and the concession, though partial and temporary, is one of the encouraging results of the activity of Mr. Pierce. The next meeting of the committee will be held July 15 at Charlevoix, Mich., and every member of the trade should see the importance of using the intervening time to bring to bear in the right direction whatever influence he may possess.

The Grant Monument Competition. It was to have been hoped that past experience in the awarding of commissions for important public memorials had by this time evolved some system that should preclude the possibility of post-decision controversies concerning the justice of the awards, yet the recent decision in the competition for the Grant monument in Washington, seems in a fair way to bring forth another war of words. The first prize for designs has gone to Sculptor Henry M. Shrady, of New York, the second to Charles H. Niehaus, and these two men have been requested to submit new models for a final decision, which, it is said, Mr. Niehaus refuses to do. The fact that Mr. Shrady, a young and talented sculptor, with but little experience in large monumental work in comparison with some of his competitors, has been given first place, has already aroused vague murmurs of discontent which seem to emanate from nobody in particular, and to take the form of journalistic rumors concerning "politics" and a "sculptors' trust." The personnel of the Committee of Awards, including two such sculptors as Messrs. Saint Gaudens and French, and the unwillingness of any of the unsuccessful contestants to voice definite protests, would seem to discount any charges of favoritism in the absence of further evidence than has yet appeared. Even if further investigation and the final decision reveal nothing more, there still remains the necessity of devising some iron-clad method of competition that shall place future contests of this character beyond any possibility of suspicion.

Woodmen of the World Monuments. One of the practical features connected with the regular business of the organization known as the "Woodmen of the World" is that of erecting a monument at the grave of a deceased member, at, as we understand it, a cost of one hundred dollars; and this is in charge of a certain committee. As may be inferred quite a number of memorials are required by an order having so large a membership, and the committee has quite a business on its hands. This has led to more particular attention being paid to the matter, both of design and cost of monuments, and has apparently resulted in the determination to employ expert advice on the design and cost of memorials and to limit the profits of the dealers to a certain fixed rate. From one point of view at least this would mean that the order is going into the monument business and becomes a competitor in the trade, under more arbitrary conditions than the much discussed "trust." There would be no objection from any source to the wise resolution to employ expert advice on the design and material of their memorials, and a splendid field is open to the order to promote a better class of moderate priced monuments as well as educate the people in relation to appropriate monuments for the modern cemetery; but to attempt to regulate the profits of the trade from an impracticable position, appears to us to be a radical departure from the spirit of "live and let live," which is supposed to be a dominating influence in all fraternal organizations. The unscrupulous dealer is said to be at the bottom of this change of heart, and to guard against such, the expert should be all that is required to judge of fair play all around, and the business should be conducted on honorable business lines. Another point is worthy of note, as given in a recent issue of the official organ of the order, which is a suggestion that monument material should only be purchased in such states as admit the order. This is a narrow policy, unworthy of consideration, and would undoubtedly prove detrimental to the best interests of the memorial itself in many, many cases.

Successful Association. The need of association in the majority of lines of industry and trade has been amply justified by the success that has attended such association in most cases. Occasionally it has been found necessary to reorganize in order to secure more desirable conditions, but generally speaking, it may be stated without fear of controversy, that the various trade associations have resulted in great good both to the membership and the varied interests sub-

served. At time of writing we have in mind the retail hardware trade, and the funeral directors associations, recent reports from which are most gratifying, showing not only a marked improvement in the business relations between the members, but a decided advance in mutual confidence between dealer and consumer. And this can be said in many other lines of trade where association has been the medium of exchange of experience, and the adoption of well considered business methods with uniform and conservative application. This, in a nutshell, is the secret of successful business, and why the granite and marble dealers cannot be equally successful in association work is undoubtedly because of lack of general harmony as to desirable ends and the methods to secure them, and perhaps the desire to accomplish too much in too short a period of time. That association would be a powerful means to correct many of the abuses from which the trade is suffering, goes without saying; and it is equally urgent in order to meet the modifications and changes which the remarkable energy of the nation is continually bringing about. "In union there is strength," not only in strength of members, but that strength of improved individual intelligence which the broader education of mutual exchange of knowledge and experience imparts. Prosperity is about us with apparently healthy conditions and it is a very opportune time to reorganize the weaklings and organize new associations wherever opportunities and conditions of trade demand cooperative thought and action. One of the recent monument dealers associations with headquarters at Detroit, Michigan, appears to be meeting with success. The object is the general improvement and elevation of the trade, promotion of friendly relations and intercourse; protection of purchasers from the impositions of illegitimate and irresponsible dealers and the adjustment of differences between employer and employed. It is, perhaps, timely to suggest that the work of regulating prices, controlling the doings of wholesalers and manufacturers, and other matters might safely be left for a time, or at least until friendlier relations are established between the retail dealers and the question of education in sounder principles of business are better established. With the latter points fairly under control the other difficulties may be assailed with more chance of success, for harmony in effort is an essential factor in all community endeavor. In fostering and encouraging the associations idea all friends of the industry will be promoting a work sure to secure an ample reward if launched under up to date conditions.

The Philadelphia Soldiers' Monument.

The walls of the entire gallery "E," at the Philadelphia Academy of Fine Arts are at present covered with designs submitted for the Soldiers' Monument, which it has been decided to erect in Logan Square in this city at a cost of half a million dollars.

The designs cover all the latitudes of municipal monumental work, columns of five orders, obelisks, vaults, arches, terraces and shafts, but with not one single exception, could you find one that would prove absolutely objectionable.

The competitive designs, when submitted, were each accompanied by a sealed letter bearing the name and address of the sender and bearing upon the outside a number corresponding with that on the outside of the plan. After a careful inspection by the jury, consisting of C. Howard Walker, of Boston; John M. Carrere, of New York, and Charles C. Grafty, of this city, the following report was handed in:

Your jury of award for the competition for the Soldiers' and Sailors' Monument, to be erected in Logan Square, this city, beg leave to report that after consideration of all the plans and models submitted in competition, and after a visit to the proposed site of the monument, they have decided upon the following awards: 1, No. 3; 2, No. 20; 3, No. 35; 4, No. 37; 5 No. 16.

After voting to accept the report, the Councilmanic committee, with Common Councilman Gilpin as Chairman, opened the envelopes and made the following awards:

First prize, \$1,000, Lord and Hewlett, New York, with a recommendation that they be employed as architects to supervise the erection of the monument.

Second prize, \$600, C. T. Rosberg, New York.

Third prize, \$400, W. L. Cottrell, New York.

Fourth prize, \$300, Ackerman & Ross, New York.

Fifth prize, \$200, Carey & Lyle, Buffalo, N. Y.

The prize-winning design, as will be seen from our illustration, shows a tapering shaft of stone, or obelisk similar to the Washington Monument, at Washington, the base being decorated with heroic bronze figures, flanked on all sides with a broad terrace and steps. The north and south approaches are relieved with Winged Angels of Peace, bestowing the allegorical laurel wreath of Victory. On the western and eastern sides, are bronze figures of Roman soldiers, armed with spears and shields, while around the base are statues of soldiers and sailors of by-gone days, alternating with the muzzles of cannon which peep from the massive base.

The interior of the shaft provides for an elevator or steps to the top.

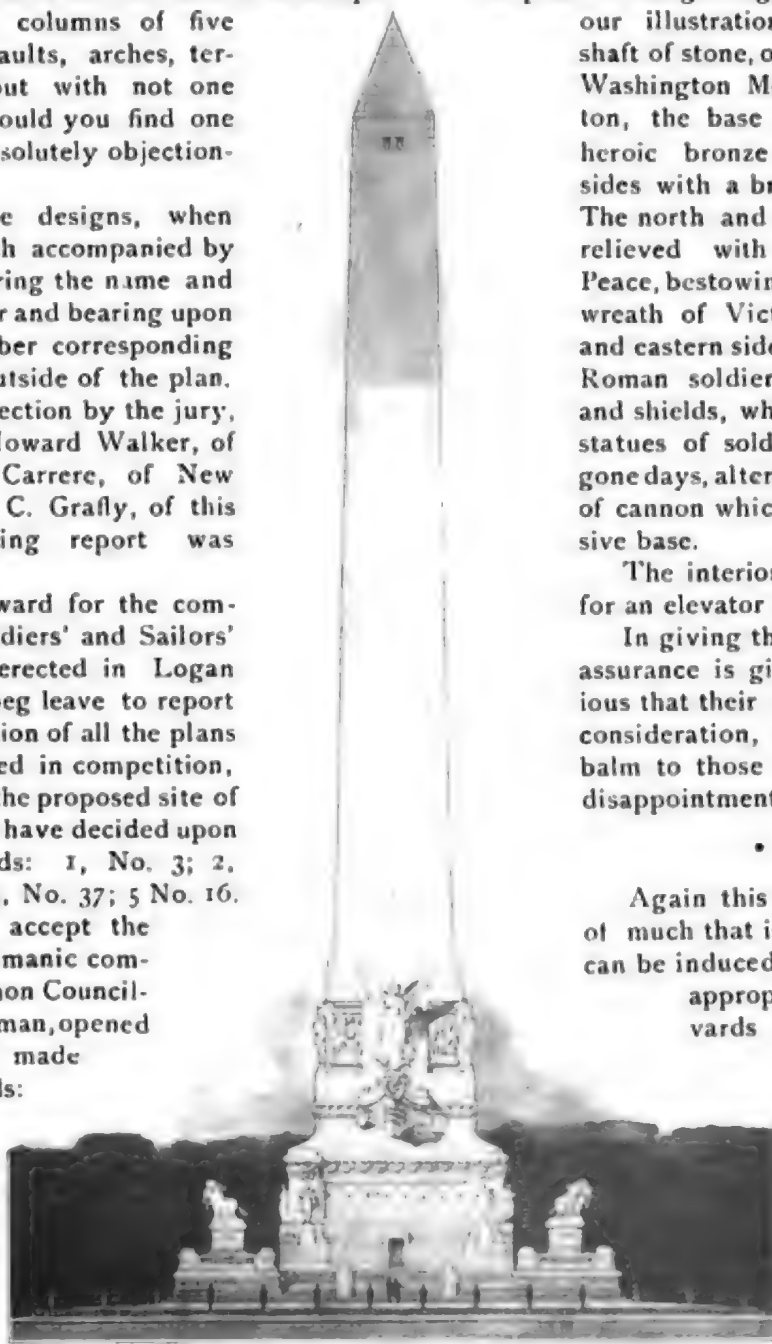
In giving this report in full, every assurance is given to the non-victorious that their designs received every consideration, and this may act as a balm to those whose reward is only disappointment.

. . .

Again this is only the forerunner of much that is to come, if Council can be induced to make the necessary appropriations for the boulevards already designed and

submitted for their consideration. The lines extending from City Hall to Fairmount Park will thus make Logan Square the main intersection and a big victory has been gained in its attainment by making the imposing shaft shown on this

W. P. Lockington.



ACCEPTED DESIGN FOR SOLDIERS' AND SAILORS' MONUMENT AT PHILADELPHIA, BY LORD & HEWLETT, ARCHITECTS, NEW YORK.

page the axis of Philadelphia's boulevard system.

Recent Work of Foreign Sculptors.

In the sarcophagus for the tomb of Empress Frederick of Germany, Reinhold Begas, the Nestor of Teutonic sculptors, has wrought a work which can be called the master work of the master's works. It was Reinhold Begas who once chiseled the beautiful traits of Queen Victoria's eldest daughter, when she was in her prime. It was in view of this service, that Emperor William requested Herr Begas to undertake the design for the sarcophagus of his mother. Moreover the sarcophagus of Emperor Frederick, Emperor William's father, was also the work of Begas, who executed it along the lines approved by Empress

Imperial master.

Deep devotion which, it seems was the key of the artist's conception of the imperial figure that slumbers the eternal sleep, is based on fact. The motto of the late Empress was: *Leiden und nicht klagen* (suffer and not complain). The delicate marble which has been selected for the sarcophagus, will enhance the impressiveness of the work and those who will be privileged to see it in the Church of Peace at Potsdam, will surely be impressed with the solemnity of the chamber of the dead. The artist has succeeded especially in depicting peaceful sleep which is sooner or later,



SARCOPHAGUS OF EMPRESS FREDERICK, AT POTSDAM.

PROF. REINHOLD BEGAS, SC.

Frederick whose sarcophagus the sculptor has just finished. The work of Begas and that of the Hohenzollern has been intimately connected. They worked for and achieved the rehabilitation of a united Germany and Begas, within the same period, accomplished the renaissance of German sculpture, a school of sculpture that would be worthy of a country in which art and science are nursed and honored.

In the studio of the sculptor the model of the Empress Frederick sarcophagus has just been exhibited to a select few, the first one of whom was, as might have been expected, the Emperor.

The execution of the work will be carried to completion by Albert Geritz, one of Begas's most trusted and worthiest disciples, but Begas will supervise the execution by special request of his

bound to come to all of us. The Greek tunic which leaves arms and neck exposed, adds by its simplicity to the impressiveness. The lips are half opened, as in life, in fact, the portrait is an excellent likeness. The hair droops down on the bosom, and is surmounted by the imperial diadem from which is suspended the widow's veil. The left hand rests over the heart every beat of which was admiration for the artistic.

The lifework of the dead Empress is illustrated by reliefs on the left side of the sarcophagus. She is pictured as sitting on a throne and listening to the words of a true counsellor, then again we see her as the protectress of art, drawing an antique temple, while behind her stands the Genius of Art. Between the two reliefs is a medallion, showing the Empress in the garb of a nurse who with tender

hands bandages the head of a suffering child. This symbolizes the work of the Empress in the service of aiding humanity.

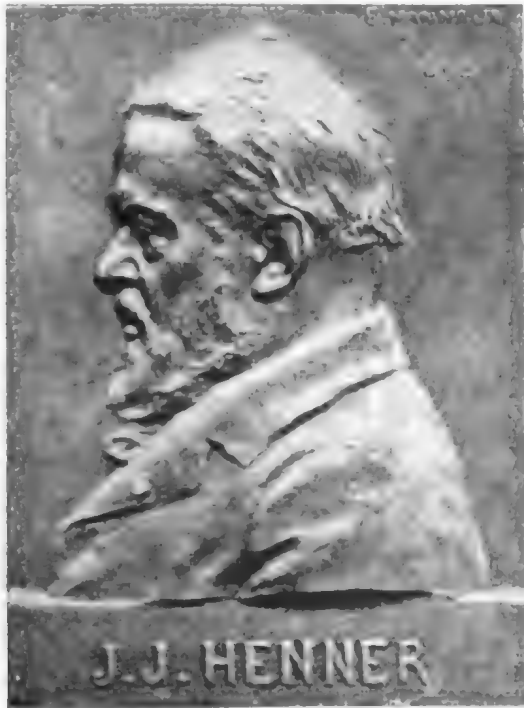
On the right of the sarcophagus are symbols of the hereafter. We see the Angel of Death conducting the departed Empress toward eternity, pointing to the palmetto island of the pious. The other relief pictures the meeting between the Empress and her husband who preceded her in death. The Empress is seen embracing her husband who holds on his hand the eldest son of the Imperial couple, who died at a very early age. Above the mountains is seen a rainbow. The centre medallion shows Christ with the Crown of Thorns.

The astonishing feature of this work is the

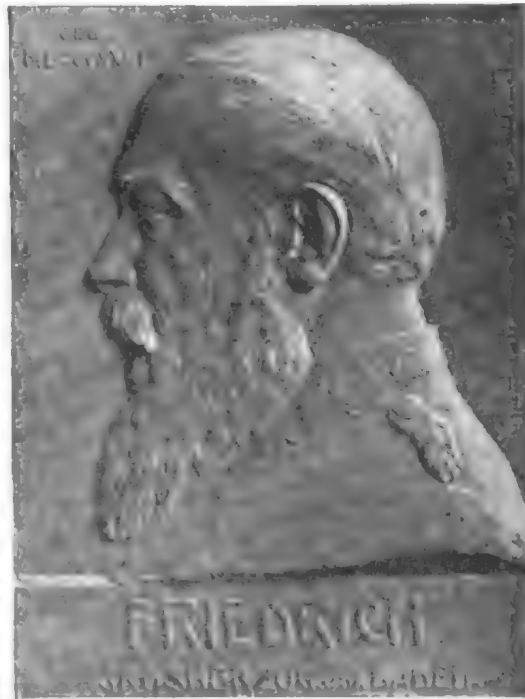
a special honor for the sculptor. Begas has been offered and refused time and time again titles and orders. He is a democratic old gentleman who considers it his highest bliss that his health permits him to do good work at his advanced age, and his only wish is that he may be permitted to die, chisel in hand.

A veritable memorial tablet craze has struck the Continent. In France the memorial tablet has long ago taken the place of the loving cup and the Germans are now outdoing the French.

Professor R. Mayer, of Carlsruhe, has just finished a memorial tablet of Grand Duke Frederick of Baden, an uncle of the German Emperor and one



FRENCH PORTRAIT RELIEF E. HANNAUX, PARIS, SC.



GERMAN MEMORIAL TO GRAND DUKE FREDRICK. R. MAYER, CARLSRUHE, SC.

minuteness with which these reliefs have been executed. Idealism everywhere, but lifelike, not abstract idealism. In its architectural shape, the sarcophagus is an exact duplicate of that of Emperor Frederick. Its lower part is covered with a silk cloth, artistically draped about the body and richly embroidered with imperial and royal crowns. The only inscription is over the head, namely, the name and 1840-1901. The corners consist of laurel wreaths, in the midst of which are seen the German and English coat of arms.

The finest Carrara marble has been selected for the sarcophagus.

It is reported that the Emperor was so highly pleased with Begas's work that he is contemplating

of Europe's oldest sovereigns.

Among the French masters E. Hannaux, of Paris, is taking the lead in supplying the large demand for memorial tablets.

In the Ecole des Beaux Arts at Paris the works of the late sculptor Falguiere are at present being exhibited. There are over 360 statuettes in the collection, surely good proof that Falguiere was a worker. The critics of Paris unite in paying tribute to the works of this master, who was a universal favorite in French art circles.

President Loubet opened the exhibition in person.

William Crawford Hirsch.

(To be Continued.)

ABORIGINAL SCULPTURE
IN MEXICO ·
BY RUTH HARLOW LANDOR ·



ALL that has been said of the sculptures of the human figures in the round applies likewise to the more numerous flat reliefs, incised designs, and to the quadrupeds. The latter are rude in shape. The birds are always monsters, the plumage apparently presenting insurmountable difficulties to the sculptor. Fishes were poorly represented. Plants were sparingly introduced into their designs and were rendered as leaves and single flowers of stiff conventional type. The Aztec sculptors did their best in simple forms like snakes, turtles, frogs and reptiles generally. The famous coiled serpents which are exhibited in the museum have scales either of feathers or of maize leaves. (Figure VIII a coiled serpent uncoiled or extended.)

In 1881 excavations in the atrium of the Cathedral in the city of Mexico revealed two blocks of stone representing serpents' heads. In 1885 a third was exhumed, (in the presence of the present writer,) and subsequently other portions of what was indubitably the Coatapantli or serpent wall



Figure VIII.

COILED SERPENT FIGURE.

surrounding the Aztec temple, were recovered from the soil in that locality. (Figure IX) It has been estimated that there were over two hundred of these

heads used as a coping for the adobe wall surrounding the teocalli, and that although they may have had some symbolic meaning they belong in the class of architectural embellishments. They signify at least the industry of the Aztec artisans if they



Figure IX.

HEADS ON THE SERPENT WALL.

do not imply a very great advance in the art of sculpture.

Turning now to Southern Mexico we find the sculptures more ornamental and architectural and showing a far higher regard for symmetry, repetition, alternation and other principles of art practiced by cultured peoples. We find also that greater skill was exercised in the stone cutting, as witness the shape in which a stone had to be cut (Figure X) in order that it might fit into a certain corner of a stone wall and exposes a certain face and so become a part of a scheme of ornament. The term mosaic has been rather loosely applied to the schemes of

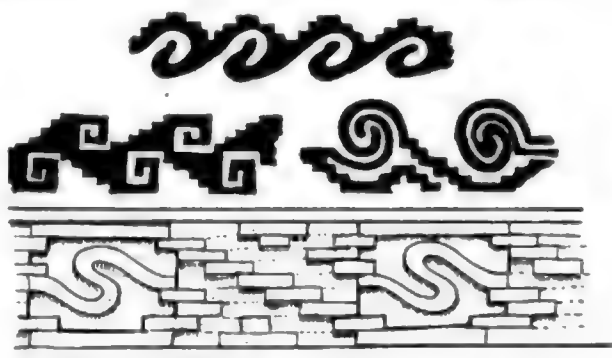


Figure X.

MOSAIC STYLE OF ORNAMENT ON FACADES

architectural ornament employed in the facades of the buildings whose ruins at Mitla and elsewhere are now attracting so much attention from the archaeologists. The designs are made by certain stones protruding from the face of the wall. Some of these designs (Figure XI) are exceedingly interesting and might suggest decorative motives worthy of the attention of the modern designer. The modern Mexican artists and architects have made sometimes use of them to give historic meaning to their work.

It must be remembered that the Mayas antedated the Aztecs, by, we know not how many ages. And though we may find among their decorative motives many that are quite similar to those of

historic nations, yet we must consider their art as having been independently developed. It is not always possible to distinguish between their inventional and their imitational styles of ornament. For their imitational soon becomes conventional. In (Fig. XII) we have an ornament which appears

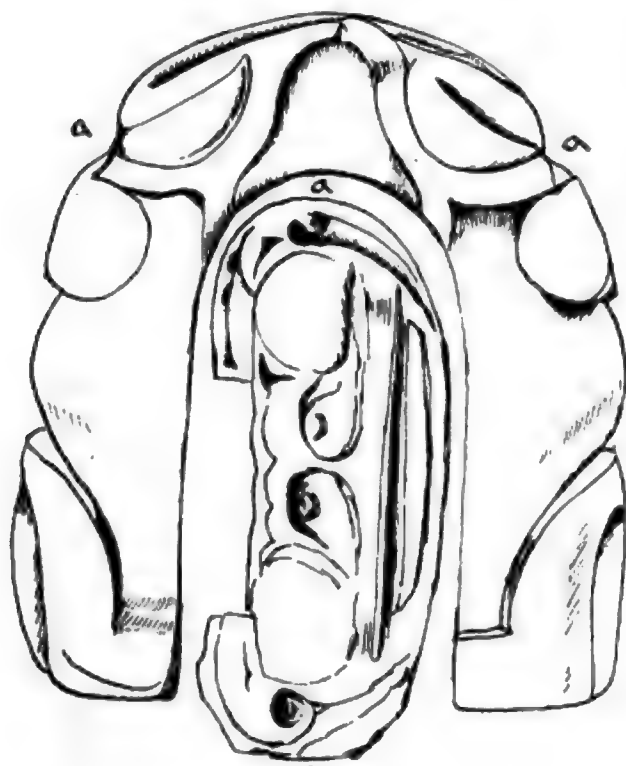


Figure XII

CONVENTIONALIZED FROG FIGURE.

to be inventional. But upon close inspection it proves to be a conventionalized frog. (Figure XIII) may be purely inventional. At all events it has been thus far impossible to discover any analogy for it in nature. Both these are taken from stone yokes used to confine or hobble a prisoner either when taken in war or when being sacrificed.

The subject of the decorative motives used in aboriginal sculpture would be greatly illuminated by suggestions from the pottery of the Mexicans. These motives are purely ornamental. It is doubtful if there is a symbolic meaning in much of it, and although it often suggests an imitational prototype from which it has departed, yet far more of it appears to be the result of an aimless effort after pleasing effects.

The problem of the removal and transportation of the huge monoliths seen among the remains of prehistoric Mexico, and their elevation to great

heights and their setting up on end, by a people who had but scanty knowledge of the principles of engineering, is not so difficult of solution as might at first appear. Ropes, rollers and the combined strength of a large number of willing workmen, all fired with a common religious or military enthusiasm, have worked wonders in every age of the world and among many peoples. The Indians today are men of superior strength. They carry and drag immense loads. They are patient also and not easily discouraged by what the more cultured races would regard as slow progress. The most plausible solution that can be offered as to the elevation or erection of tall monoliths, is that it was done by means of artificially constructed inclined planes, as illustrated by figure XIV. As the Mexican workmen at the present day resort to the same contrivance in their building on some occasions, we are strengthened in the conclusion that some of their practices are survivals of primitive methods. It is even asserted that some of their churches during the Spanish period were built with mounds of earth about the walls to aid in carrying the stones and other building materials to the

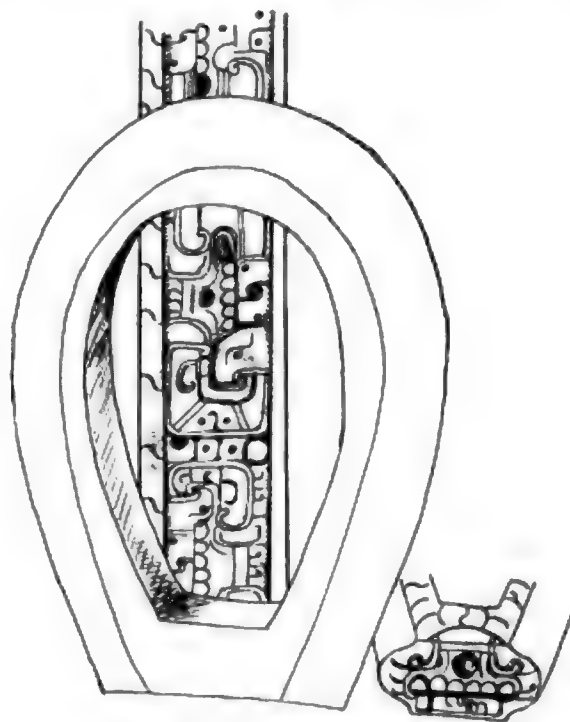


Figure XIII

INVENTIONAL STYLE OF ORNAMENT.

higher positions, and that after the building was completed, it had to be excavated from the small mountain which had grown up around it.

An important discovery in the neighborhood of

Mitla throws a great deal of light upon the methods employed for the quarrying of stone and working it up for building purposes. This dis-

shaped stones, which were unquestionably used in the work. They are of the harder kinds of volcanic lava. It must be remembered also that the drill,

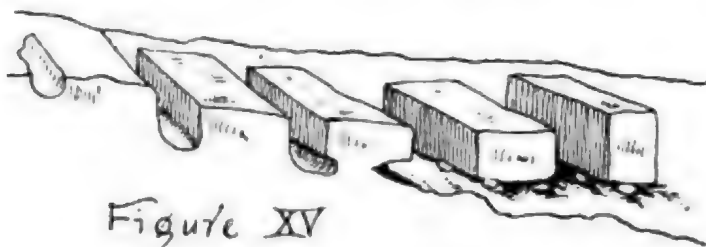


Figure XV

STONES FROM AN ANCIENT QUARRY.

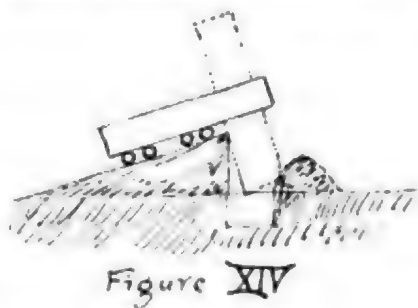


Figure XIV

DEVICE FOR ERECTING MONOLITHS.

covery includes an abandoned quarry, and an abandoned stone yard, with the tools left as though but recently fallen from the hands of the workmen. Figure XV. fully illustrates the manner in which the blocks of stone, twelve or more feet in length by five or six wide and two or three feet thick, weighing probably fifteen tons each, would be gotten out of some mountain side quarry. A partially hewn block of trachyte in the same vicinity illustrates the manner in which it was worked. Scattered around it were hammer-stones and pick-

which the primitive races used with great skill, was of great assistance to them in their lapidary work. At first glance it might seem impossible that such sculptures as remain in Mexico could have been wrought by such crude tools. But a part of the wonder is dispelled when one has the opportunity to see modern Indians work in stone with obsidian tools and with what skill and facility they accomplish what might be considered remarkable feats for the improved appliances of the cultured races of the present day.



ENTRANCE TO JOHN D. ROCKEFELLER'S GROUNDS, CLEVELAND, OHIO.
ERECTED BY THE VAN DORN IRON WORKS CO., CLEVELAND.



WEST ENTRANCE TO CROWN HILL CEMETERY

Crown Hill Cemetery Entrance, Indianapolis.

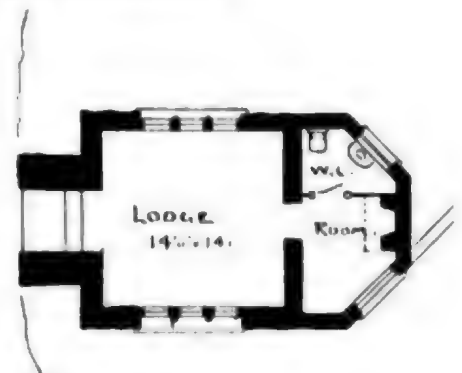
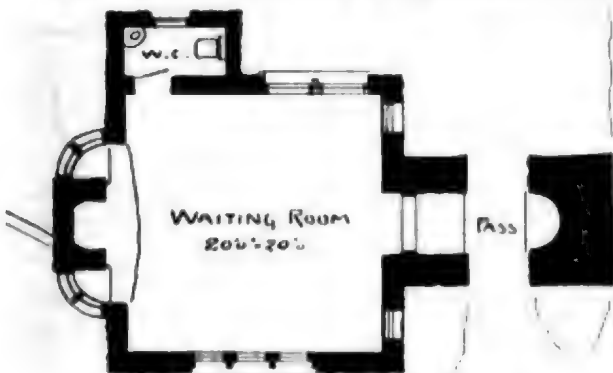
The accompanying illustrations show the west or rear entrance to Crown Hill Cemetery, Indianapolis, Ind., erected last year.

It is built of Indiana oolitic dimension stone, rock-faced, and is well equipped with all modern furnishings for the convenience of the cemetery's patrons. The tower side contains a men's waiting room, and a lodge keeper's room on the first floor, and on the second floor is a dressing room where the men put on their uniforms and store them when off duty.

The opposite side has a large ladies' waiting

room, with frescoed walls, panelled Flemish oak finish, decorative tile floors, and stained glass windows. Both buildings are finished in this style and equipped throughout with electric lights, lavatories, and a drinking fountain. The gates are of wrought iron from an original design. No provision is made for office buildings as these are located at the main entrance on the opposite, or eastern side of the cemetery.

The plans were by Architect Herbert W. Foltz, and the work of erection was done by the W. P. Jungelaus Co., of Indianapolis.



GROUND PLAN, CROWN HILL ENTRANCE BUILDINGS.

Theory of The Classic Mouldings.

(Continued)

As there is something positive and natural in the primary forms of Architecture; and consequently in the subordinate parts, then Palladio erred in employing the cavetto under the corona in three of his orders and in making such frequent use, through all of his profiles, of the cyma-recta as a

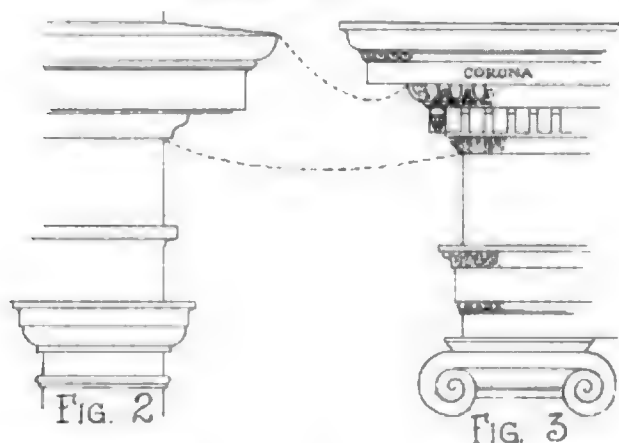


FIG. 2.

TUSCAN CORNICE.

FIG. 3.

IONIC CORNICE.

supporting member. Nor has Vignola been more judicious in finishing his Tuscan cornice with an ovolo, Fig. 2., a moulding extremely improper for that purpose, and productive of a very disagreeable effect; for it gives a mutilated air to the entire profile, so much the more striking as it resembles exactly that half of the Ionic cornice, which is under the corona, Fig. 3.

The Greek mouldings are chiefly distinguished from the Roman, by being composed of ellipses, and other conic sections, while the Roman are formed of segments of circles. The Roman ovolo and cavetto are never found in Grecian architecture nor the Greek echinus in the Roman; where in some early specimens of Doric order, a straight line is used instead of a moulding, as in the capital of the portico of Philip at Delos, Fig. 4.

The quirk, or bending inwards of the uppermost edge of the Grecian ovolo or echinus, produces, when the sun shines on its surface the most beautiful variety of light and shade; this relieves it considerably from the plain adjoining surface; and if entirely obscured in shadow, it will borrow a reflected light, and quirking or turning inward at the top will also occasion a large portion of shade, which, produces a most pleasing effect.

In the Roman ovolo, there is no quirk at the top; and consequently, when the sun shines on its surface, it does not appear so interesting on its upper edge as the Grecian echinus. Another difference in effect between a Grecian and Roman example will be noticed in the cyma-reversa of both; the

Grecian cyma-reversa with the quirk, or turning in of its upper edge, and the turning out of the under edge will be most advantageously seen when the sun shines remarkably bright on those edges; which will relieve it in a great measure from the surrounding perpendicular surfaces or other mouldings, while the superior and inferior edges of the Roman cyma-reversa being perpendicular to the horizon, the place lightest on the surface will not be a single degree lighter, nor will it be, in the remotest manner, better relieved under shadow than perpendicular surfaces exhibited under the same circumstances. Therefore, by a comparative view of the most scientific principle of composing mouldings, it is manifest that the Grecian Architects were better skilled in designing the minutiae and detail of architecture than those of the Roman school. Still the Romans in designing their foliage, as by reference to the best examples may be seen, exceeded the former in luxuriance of fancy and richness of style; but, in purity and correctness of taste, they were inferior in the composition of ornaments

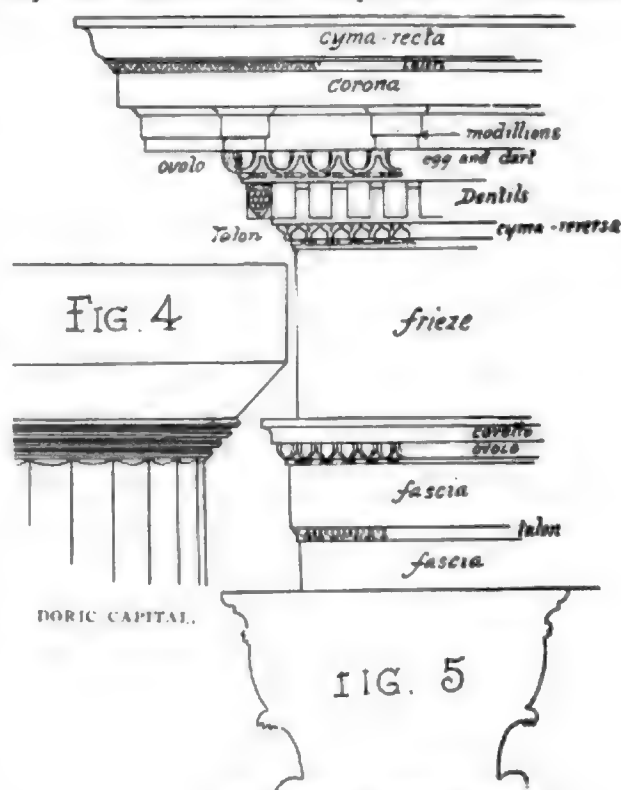


FIG. 4.

DORIC CAPITAL.

FIG. 5.

CORNICE WITH CORONA DOMINANT.

suited to the various mouldings which constitute the component parts of the most ancient orders.

In every profile there should be a predominant member to which all the others ought to appear subservient, and made either to support or to

fortify it, or to shelter it from injuries of the weather; thus, in the cornice Fig. 5., the corona predominates; the modillions and dentils are principals in the composition; the cyma covers them; the ovolo and talon support them; the corona and modillion-band should never be ornamented, nor the other different fascias of the architraves;

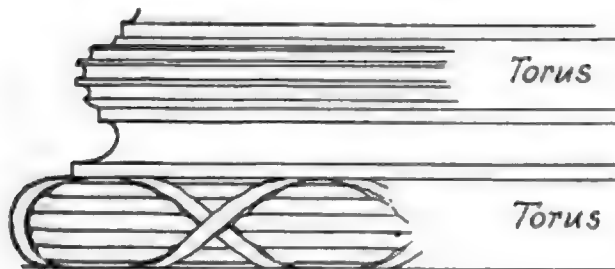


FIG. 6

MOULDING ENRICHED BY INCISION.

neither should the plinths of columns, fillets, scarcely any square member be carved. For generally speaking, they are either principal in composition, or applied as boundaries to other parts; in each of which instances their figures should be simple, distinct and unembarrassed.

The dentil-bands should remain uncut where the ovolo and talon immediately above and below it are enriched; as in the Corinthian cornice of the Pantheon of Rome. When ornaments are employed to decorate profiles, some of the mouldings should always be left plain, for when all are enriched, the figure of the profile is lost in confusion. The ancients, in the application of their ornaments, were very choice in the selection of such as required considerable relief. On mouldings that are clumsy

such as the ovolo they made deep incisions to produce their enrichment, by which they acquired an extraordinary lightness as in Fig. 6., likewise the berries and beads on the astragal as in Fig. 1., but, on more elegant parts, such as the cymas, they employed the representation of very thin bodies, such as leaves, shells and flowers which could be represented without entering too far into the surface.

Mouldings are, without a doubt, the most necessary detail of architecture; being the prime ornamental feature which appears at the origin of art, it has grown from the simple chamfer, fillet or bead, into more definite and refined forms with the development of the many styles.

As an element of style a moulding possesses a prime importance and nothing can take its place with advantage, not even the most refined and architectural carving. A structure all covered with carving without any other element, cannot easily be conceived, while many monuments, exclusively ornamented with mouldings are quite satisfactory, and easily suffer the lack of carving; in fact, the style and age of a monument can be more easily detected solely by the aspect of any of its mouldings than by any other detail.

Whether mouldings were employed as a useful accessory or as purely ornamental details, cannot be satisfactorily answered. However, it is certain that they admirably fulfill both functions in all known styles of architecture.

The study of good profiles and mouldings, outside of any other details of architecture, will well repay the designer, assisting him to acquire a power of analysis, which is much required in modern architecture. *Franklin L. Naylor.*

CARRARA MARBLE EXPORTERS' ASSOCIATION.

In a recent consular report, U. S. Consul Jas. A. Smith at Leghorn, writes as follows concerning an association of marble exporters:

There has recently been organized at Carrara an association of marble exporters, known as the "Unione fragli Esportatori di Marmo." The objects of this association, as set forth in a circular issued by the president, Bernardo Fabbricotti, are:

(1) To unite in one association the individual energies of the members for the purpose of regulating and developing the marble trade and for the protection of exporters and purchasers of marble.

(2) To formulate and adopt from time to time a tariff fixing minimum prices under which no member of the association will be allowed to sell.

(3) To fix rules and conditions of sale.

This association is composed of about forty different firms and individuals formerly acting independently, and comprises the leading producers and exporters of marble at Carrara. Its formation is the natural result of a long period of active and severe competition between the various concerns who are its members. It will be, I believe, of

material benefit alike to the exporters and to the importers of Carrara marble throughout the world.

The trade between Carrara and the United States has during the past year (1901) shown a decided increase. From an average annual exportation of about \$575,000 during the ten previous years, it has suddenly jumped to \$761,812.50 for 1901. This advance of about 30 per cent has brought the exportations to the highest point of which I have any record, and from present indications there will be no falling off in the amount during this year.

The organization of such an association as the one mentioned and the consequent control by it of this large volume of business must necessarily be of importance to our producers and manufacturers of marble, with whose product the output of Carrara enters into direct competition; and if its objects as to the regulation of prices, rules, and conditions of sale, etc., can be realized, the result will doubtless be advantageous to them, in so far at least as it tends to prevent in future unsettled conditions and at times ruinously low prices.

Harleigh Cemetery, Camden, N. J.

The accompanying views of scenes in Harleigh Cemetery, Camden, N. J., give some idea of the undulating character of the grounds, its winding drives, broad lawns and native trees. Harleigh is conducted strictly on the landscape lawn plan and is so absolutely different from the old-time cemeteries of that section that it has very naturally grown in public favor.

A portion of the price of each lot is set aside by the trustees for the permanent fund, the income from which is used to keep the lots properly seeded and mowed, and for the general improvement and beautifying of the grounds. This fund, however, does not provide for the special care of flowers, or the cleaning or resetting of headstones or monuments.

Years ago Walt Whitman, the poet, selected a secluded spot in a dense grove of trees in Harleigh for his last resting place, where he had the rugged vault seen in the illustration erected. It is built out of massive blocks of quarry-faced Quincy granite.

The mausoleum of Henry D. Moore occupies a commanding site and a most appropriate one for a memorial of this nature. It is modeled after a Grecian temple and is constructed of Barre granite, all hammered. The Harrison Granite Co., of New York were the designers and contractors. The view showing the Chew, Hayt and other

monuments, gives some idea of the diversity in designs of the memorials, which is a very important consideration in the management of a cemetery too often overlooked. The Chew memorial seen in the foreground is a finely carved monument of



TOMB OF WALT WHITMAN, HARLEIGH CEMETERY.

Barre granite. It also was executed by the Harrison Granite Co.

The following are some of the rules of the Harleigh Cemetery Association that are of interest to our readers:



MAUSOLEUM OF HENRY D. MOORE, HARLEIGH CEMETERY.

Foundations for all monuments, headstones and vaults, and all underground vaults, shall be built by the Association at the expense of the lot owner. Fifteen days' notice must be given for the building of the foundations. The cost of the same must be paid in advance, but no foundations shall be put in or markers set between the 15th of November and the 15th of March of each year. Contractors must not carve their names or place any detrimental obstacles to mar the beauty of the monuments. Every foundation ordered must be the size of the base of the monument.

Material for stone work will not be allowed to

remain in the cemetery longer than shall be strictly necessary, and refuse or unused material must be removed as soon as the work is completed. In case of neglect, such removal will be made by the Association at the expense of the lot owner and contractor, who shall be severally responsible for any damage or neglect. No material of any kind will be received on Saturday. The trustees earnestly request lot owners and designers not to duplicate any monuments or vaults in Harleigh.

We are indebted to Mr. George E. Rhedemayer, the superintendent, for courtesies extended in connection with this article.



VIEW IN HARLEIGH CEMETERY, CAMDEN, N. J.

Marble, or Breccia.

The case of the United States vs. C. D. Jackson & Co. has been decided in the United States Circuit court for the southern district of New York adversely to the government. The merchandise in suit consisted of certain marble or "breccia," which was assessed for duty at 65 cents per cubic foot, as marble in blocks, rough or squared, under paragraph 114 of the existing tariff act. The importers protested, claiming the merchandise to be free of duty as "breccia" under paragraph 508 of the same act.

The Board of General Appraisers in passing upon the case sustained the claim put forth in the

importers' protest, notwithstanding that in a former decision it had been held by the Board that identical merchandise was marble, and not "breccia." There being two conflicting decisions of the Board on this class of merchandise, an appeal was directed on behalf of the Treasury Department to the United States Circuit Court. This court affirmed the decision holding the merchandise to be "breccia" in slabs or blocks, entitled to free entry under paragraph 508 of the present tariff. The Attorney General has advised the department that no further proceedings will be directed in the case, and the duties exacted will be refunded.

Sculpture.

GEO. E. BISSELL has modeled a statue of Abraham Lincoln to be erected at Clermont, Ia. The figure will be of bronze, nine feet high, and the pedestal will bear four panels in bold relief, depicting military scenes. Ex-Gov. Larrabee, of Iowa, has charge of the erection. The statue will be cast by the Henry-Bonnard Bronze Co., of New York City, and is to cost \$5,000.

CHARLES H. NIEHAUS has completed the plaster model of his statue of President McKinley and delivered it to the Gorham Company to be cast in bronze. The statue is a gift of Charles Hackley to Muskegon, Mich., and is to be unveiled on Memorial Day.

A REPLICA of Hamar's statue of Rochambeau, near the Vendome in Paris is to be unveiled in Lafayette Square, Washington, D. C., May 24. The statue is to be placed at the southwest corner of the square in a position to balance the one of Lafayette at the southeast corner. Elaborate ceremonies in which the two great grandsons of General Rochambeau are to participate, are planned.

RUDOLF SCHWARZ, Indianapolis, has been commissioned to model the statue of the late Governor Pingree, to be erected in Detroit, Mich. The model shows the Governor seated in a heavy office chair, in a characteristic attitude, listening intently to some one addressing him.

C TRENTANOVICH is to model a bronze bust and pedestal to be erected as a memorial to the late Senator Cushman K. Davis in Arlington Cemetery, Washington, D. C. The pedestal will be of red Italian marble, and the bust of bronze, a copy of a marble bust of the Senator made from life sittings by the same sculptor.

CHARLES GRAFFLY'S heroic size statue of General Rey, holds, 14 feet high, for the Smith Memorial Arch in course of construction in Philadelphia is now being cast at the foundry of Bureau Bros. in that city. A large bas-relief by H. K. Bush-Brown, is also under way at the same foundry.

KAZIWIERSZ CHODZINSKI, a Warsaw sculptor, has been commissioned by the Polish societies of Chicago to model an equestrian statue of Kosciusko to be erected in Humboldt Park in that city. It is to be cast in bronze this summer and unveiled in October.

ROBERT BRINGHURST has designed five groups of statuary for the Textile building at the St. Louis Exposition of next year. They are treated from the classical point of view, but are intended to suggest different stages in the manufacture of textiles. The largest of the groups is the Quadriga to surmount the building, 80 feet from the ground. A few feet below these at either side of the great central doorway, will be two groups entitled "The Flight of Time," and "The Thread of Fate." The first of these embodies figures of Father Time, with scythe and hour-glass, and Morning and Night, represented respectively by a youth and a maiden. In the companion group, the winged figure of one of the Fates, corresponds

to that of Father Time, and the wheel of fortune takes the place of the hour-glass. The other two groups represent respectively, "Spinning" and "Weaving." Spinning is symbolized by three figures, the central one holding in her hand the cocoon, suggesting the manufacture of silk. In the other group, the central figure holds the laurel of victory, and at her feet are two youths, pointing out the marvelous pattern in the finished fabric.

MISS EDITH OGDEN, of the Corcoran Art School at Washington, has modeled a bronze tablet for the steamer St. Paul, presented to the vessel by the Commercial Club of St. Paul, in commemoration of her record as a cruiser in the Spanish war. The panel is three feet long and was cast from Spanish gun metal taken from vessels sunk by the St. Paul in action. The design portrays a battle scene in which the American cruiser is shown in conflict with the Restormel and the Terror in the harbor of San Juan. The scene is authentic, and follows a sketch made by Captain Sigsbee, the commander of the St. Paul. Trophies suggesting the war and its tropical setting form the border of the panel, and the inscription gives the cruiser's record while in commission. The unveiling was attended with military ceremonies, including an address by Captain Sigsbee.

EMMANUEL FREMIET, the French sculptor, who devotes himself to ethnological studies of different types of men has won unusual popularity for his representations of prehistoric man. He departs from the common belief of ethnologists, and portrays prehistoric man as very little different from his modern prototype. In his "Man of the Stone Age," the modern lineaments are followed closely with the exception of the hair, which is long, wavy and unkempt.

THE Philadelphia Academy of Fine Arts has recently received a bequest of \$100,000 from Mrs. Emlen Cresson, the income of which is to be used to pay the expenses of students of the Academy during art study in Europe. It is estimated that the interest will be sufficient to pay the expenses of twenty students abroad.

HENRY M. SHRADY'S design for the Grant memorial to be erected at Washington, has been awarded first place by the commission in charge of the selection of a model, and that of Charles H. Niehaus, second. Mr. Shrad's model takes the form of a vast reviewing stand, with monumental stairways and balustrades, an equestrian statue of Grant in the center, flanked below by lions, and groups of cavalry and artillery at the wings. It is 262 feet wide, with a maximum height of sixty-nine feet, and is to stand in front of the White House, the ultimate intention being to make it the center of a group of imposing memorials. General Grant is represented as seated in repose on his horse, without a sword, as was his custom when reviewing troops. On the sides of the pedestal are bas-relief groups representing infantry in action. One side shows a marching column, and the other a body of troops being hurried into action. The terrace and pedestals will be of white marble and the figures in bronze. The committee has asked for the submission of detailed designs by the two sculptors to be placed in final competition. The six best designs, each of which drew a prize of \$1,000, were submitted by the following sculptors and architects: Mr. Shrad; Mr. Niehaus, with Mr. Bacon; Mr. J. Massey Rhind, with Bright & Bacon, architects; Messrs. Charles A. Lopez and F. G. R. Roth, with Mr. Henry Hornbostel, architect; Mr. Waldo Story; and Mr. Burr C. Miller.

American Academy at Rome.

Senator McMillan, of Michigan, has introduced a bill in Congress to incorporate the American Academy in Rome. A large number of men prominent in letters and arts, including Daniel Chester French, Charles F. McKim, Frederic MacMonnies, W. R. Mead, Frederick Law Olmsted, Jr., Waldo Story, Augustus Saint Gaudens, James Knox Taylor, John Q. A. Ward, their associates and successors, are, by the terms of the bill, created a body corporate and politic by the name of the American Academy in Rome, for the purpose of establishing an institution to promote the study and practice of the fine arts and to aid the education and training of sculptors, painters, architects, and other artists, by enabling such citizens of the United States as shall be selected by competition from among those who have passed with honor through leading technical schools or have been equally well qualified by private instruction or study to develop their powers and complete their training under the most favorable conditions of direction and surroundings.

The bill further provides that the corporation may adopt a constitution and make rules and regulations necessary to accomplish the purposes of its creation; and may hold real estate in the United States and Italy to an amount not to exceed \$500,000. The principal office of the corporation shall be in Washington, D. C., and annual meetings shall be held at such places as the incorporators may determine. The corporation may send annually a report to the Secretary of State, who shall communicate to Congress such part of it as he may deem of national interest and importance. It may also send each year to the Library of Congress such works of the scholars of the institution as may be agreed upon as suitable for preservation and exhibition in the library.

The bill was referred to the Committee on the Library for action. The measure is regarded as a timely one and it is expected that Congress will enact it into law without unnecessary delay.

"ROLAND" IN GRANITE.

The sculptured adornment of the "Avenue of Victory," in Berlin, which has so actively enlisted the energy of the emperor, awaits for its completion, according to present plans, only the installation of the monumental fountain designed by the sculptor Lessing. For its crowning figure, a statue of colossal size, representing the mediaeval hero, Roland, has been modelled, and is now in process of execution in grey Norwegian granite.

The entire height of the figure is about $12\frac{1}{2}$ feet; the finish will be hammered, except the surface of the armor, which will be polished. The work is being done in Christiana, by the German carver Bardeleben.

The "Avenue of Victory," is a series of statues of similar design, commemorating the ruling monarch of the Hohenzollern house, ancestors of the present Emperor. The statues were the works of the foremost sculptors of Germany, under the general supervision of Reinhold von Begas, and their completion was recently the occasion of a celebration by the Kaiser.



ROLAND STATUE, IN THE KAISER'S "AVENUE OF VICTORY."

MONUMENTAL NOTES

The monument to H. H. Houston, shown in the illustration, stands at the junction of Harvey's Lane and Lincoln Drive, Germantown, Philadelphia, Pa., in a picturesque section of Fairmount Park. It takes the form of a Greek exedra, in the center of which is a pedestal of classic design, sur-



HOUSTON MONUMENT, PHILADELPHIA.

mounted by a bronze statue of Mr. Houston, standing with his hand on the head of his favorite dog, a Scotch staghound. The pedestal is ornamented with skulls of oxen and wreaths, and is simple and severe in treatment. The statue is nine feet high, and is said to be the only one in the country showing the subject wearing spectacles. It is the work of Sculptor J. Massey Rhind, of New York.

The memorial stands in front of a sloping hillside, covered with natural forest, facing a beautiful ravine through which runs the Wissahickon river, and is near Mr. Houston's former home. Brite & Bacon, of New York, were the architects, and the bronze was cast by the foundry of Jno. Williams, New York.

Mr. Houston was one of the builders of the Pennsylvania railroad, and was for many years the head of its freight department. He withdrew from that road in 1865 to engage in other enterprises, and has since held large interests in lake and ocean steamship lines and in the mining and oil industries.

The following monuments are completed, or nearing completion, and are to be unveiled on Memorial Day, May 30: The statue to be erected in Paterson, N. J., in memory of the late Vice President Hobart, modeled by Philip Martiny, and to be erected in front of the City Hall. The bronze bust and pedestal in memory of President McKinley to be erected in the Postoffice at Philadelphia, as a gift of the Postoffice employees; modeled by Edward Pausch and erected by the Craig Granite Co. The various G. A. R. posts of New York City are planning to dedicate on Memorial Day the Soldiers' and Sailors' monument at Riverside Drive and Eighty-ninth street. A parade and elaborate ceremonies, to be participated in by Governor Odell, Mayor Low, General Miles and Admiral Dewey, are planned. The Red Cross Society will unveil at North Yakima, Wash., a combination monument and drinking fountain in memory of Company E, the Yakima company that served in the Philippines. It will include a statue of the late

Major Weisenberger in Khaki uniform, and is to stand in the central part of the city.

The chairman of the Illinois Auxiliary of the McKinley National Memorial Association reports contributions to the monument fund from that state amounting to \$33,063.12. The report of the chairman expresses particular gratification at the liberal returns from business and manufacturing houses in Chicago, and from towns and cities all over the state.

The monument to mark the spot in Mount Zion Cemetery, Ephrata, Pa., where over 200 Revolutionary soldiers are buried, has been completed by means of a recent appropriation of \$5,000 from the Legislature. It is of dark granite, weighing about fifty tons, and the foundation was laid more than fifty years ago.

A memorial quaintly symbolic of the life and character of the person to whom it was erected, can be seen in the monument to Laurence W. Pike at Knowle, Dorsetshire, England. Mr. Pike was an earnest student and lover of animal life, and had become so well acquainted with the creatures of the forest that the squirrels would come down from the trees and climb up his legs to be petted. One of these scenes is carved in relief on his monument, covering the whole front of the marble tablet. He is shown walking among the trees, with a squirrel on his arm, another on the ground, near his feet, and a dove hovering at the top of the stone. It was modeled and erected by Hems & Sons, of Exeter, Eng., and is illustrated below.



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PROPOSED MONUMENTS

Washington, D. C. The following monument bills have been introduced in Congress in addition to those previously reported:

By Senator Hawley. A bill appropriating \$1,000 for the erection of a monument over the grave of Joseph Anthony Mower in Arlington National Cemetery.

By Representative Emerson. A bill appropriating the sum of \$12,000 to commemorate the battle of Plattsburg, and to provide a monument in honor of American sailors and soldiers killed in defense of Plattsburg.

By Senator Elkins. A bill to authorize the erection of a monument at Point Pleasant, W. Va., to commemorate the battle of the Revolution fought there between the colonial troops and Indians October 10, 1774; appropriating \$50,000.

The joint resolution granting permission to the Grand Army of the Republic to erect a monument or statue in Washington, D. C., in honor of the late B. F. Stephenson, founder of the order, has passed the House of Representatives.

The Senate Committee on Military Affairs, to which was referred the joint resolution authorizing the Secretary of War to furnish condemned cannon for a statue of the late Maj. Gen. Alexander Macomb, has reported favorably on the resolution. The resolution had its origin in the desire on the part of a number of patriotic citizens of Detroit, Mich., to erect in that city a substantial memorial to General Macomb.

The bill appropriating \$5,000 to inclose and beautify the monument on the Moores Creek battlefield in North Carolina, has passed the Senate.

Similar action has been taken on the bill appropriating the sum of \$500 for a rough masonry monument to mark the site of the Fort Kearney massacre.

By Senator Perkins. Appropriating \$10,000 for the erection of a statue of Commodore John D. Sloat in the city of Monterey, Cal.

By Senator Pritchard. A bill to provide for the erection of a monument to General Nathaniel Greene on the battle field of Guilford Court House, North Carolina. The bill carries with it an appropriation of \$25,000.

By Senator Blackburn. A joint resolution appropriating the sum of \$1,500 for the purchase of a marble bust of the late Justin S. Merrill, and a like sum of \$1,500 for the purchase of a marble bust of the late Senator D. W. Voorhees, said busts to be placed in the Congressional Library. The Senate Committee on the Library is empowered to contract for and select the busts.

The Senate Committee on the Library has reported favorably on the joint resolution granting permission for the erection of a monument in Charlotte, N. C., for the ornamentation of the public grounds in that city.

By Representative McLachlan. A bill appropriating \$10,000 for the erection of a statue of Commodore John B. Sloat, in Monterey, Cal.

By Representative Acheson. A bill appropriating \$50,000 for the purpose of marking by memorial tablets the position of each regiment and battery of regular United States troops engaged in the battle of Gettysburg.

By Representative Marshall. A bill to reserve 640 acres of land in North Dakota, embracing the White Stone Hills battlefield as a memorial park, and authorizing the Secretary of War

to provide a suitable monument to mark the graves on that battlefield. The bill carries with it an appropriation of \$10,000.

Annapolis, Md. A bill appropriating \$7,000 for the erection of monuments and markers in memory of the Third Maryland Infantry of the Federal army, and Latrobe's Maryland Battery, of the Confederate army, in the Chickamauga and Chattanooga National Parks, has been passed by the Legislature.

A bill appropriating \$5,000 for a monument on the battlefield of North Point, has passed the House and is now under consideration in the Senate.

Albany, N. Y. Senator Hill's bill appropriating \$100,000 for a monument to President McKinley at Buffalo, has been passed by the Legislature and signed by Governor Odell.

Provincetown, Mass. The Ways and Means Committee of the Massachusetts Legislature has favorably reported a bill providing for an appropriation of \$25,000 for the erection of a memorial to the Pilgrims at Provincetown, on condition that the Cape Cod Pilgrim Memorial Association raise a like amount. The Association is to have until 1905 to raise its share of the funds.

New Haven, Conn. The James Reynolds Monument Association, which has been engaged for the last four years in raising funds for a monument to James Reynolds, to be placed in St. Laurence Cemetery in this city, is making preparations to erect the monument this summer. It is to cost \$10,000, most of which has been raised through branch associations throughout the State. David E. Fitzgerald, New Haven, is Secretary of the Association.

South Bend, Ind. The County Council of St. Joseph County has appropriated \$25,000 for the erection of a soldiers' and sailors' monument. The G. A. R. was instrumental in bringing about the appropriation, and the work is to be under the direction of the County Commissioners.

Des Moines, Ia. Bills for the erection of the following monuments have been introduced into the State Legislature: In memory of Charles Shephard, a Revolutionary soldier who is buried at Millsbaugh Mills, Henry county; Union soldiers of Grundy county are urging an appropriation for a monument to the memory of soldiers who died in Andersonville prison; the Pioneer Law Makers of Iowa have asked for an appropriation for memorials to mark the graves of Gen. Joseph Straight and of Chief Wapello, near Ottumwa; in addition to these, appropriations have been asked for the preservation of historic sites and buildings at the Indian Agency near Ottumwa, on the site of the Spirit Lake massacre, and at Old Fort Atkinson, where it is proposed to convert the grounds into a State park, and the buildings into a museum. Appropriations previously mentioned in these columns are: \$50,000 for monuments on the battlefield of Shiloh; \$150,000 for Vicksburg, already granted, and \$35,000 for monuments to Iowa regiments at Lookout Mountain and Missionary Ridge.

Philadelphia, Pa. The Fairmount Park Art Association is at the head of a movement to erect a monument to Matthias Baldwin, founder of the Baldwin Locomotive Works. The funds which will amount to between \$10,000 and \$15,000, are to be furnished by the firm of Burnham, Williams & Co. The monument is to bear bronze tablets, showing different stages of progress in the manufacture of locomotives.

Lattimer, Pa. The Lithuanian Polish Club, of Luzerne county, is engaged in raising funds for a monument to the miners who were shot during the strike in 1899. It is proposed to raise \$5,000.



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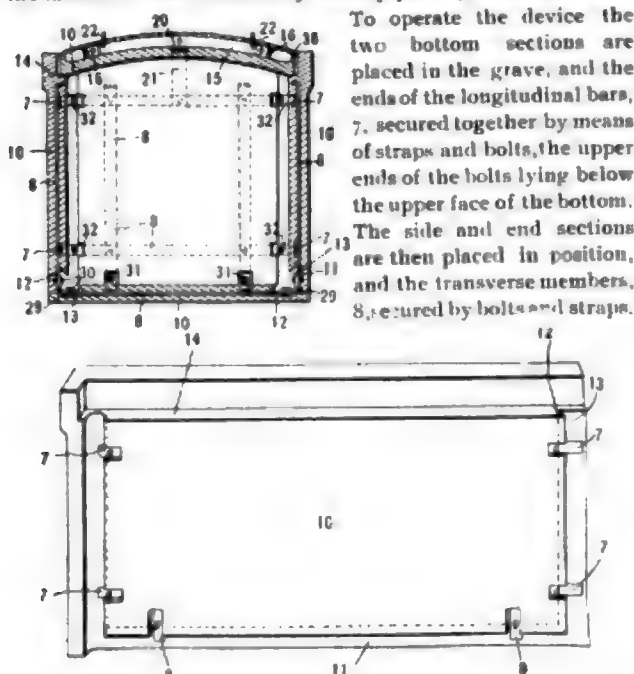
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AN IMPROVED BURIAL VAULT.

The burial vault illustrated was designed to furnish a water-proof, burglar-proof, and air-tight vault, consisting of a number of mating sections, each having a rigid frame, and so joined as to give a continuous rigid frame on all sides. The fastenings are entirely concealed so as to guard against unwarranted opening, and it is easily adapted to transportation. The upper illustration shows a transverse section, and the lower one, a perspective of one of the side sections. Each section is composed of longitudinal and transverse bars, 7 and 8, embedded in a covering, 10, of cement or other plastic material, which may be made of one or more sections, each section consisting of a pair of arched transverse members, 15, connected near their ends by longitudinal members, 16. A longitudinal member passes over the arches and is connected with them in the middle of the sections by a strap passing under the arch.



PATENT BURIAL VAULT.

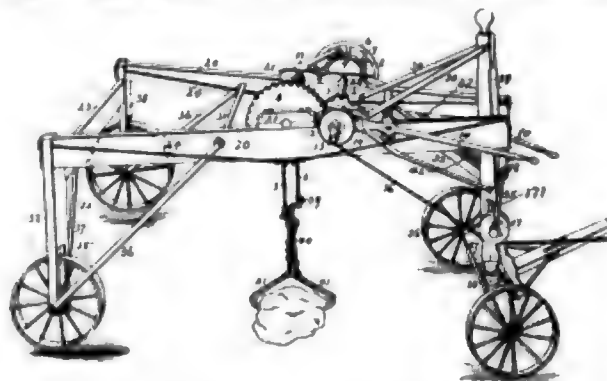
Up to this point the fastenings are introduced from the inside of the vault. The operators then introduce a filling, preferably plastic, into the grooves 13, entirely covering the exposed portions of the rigid frame. After the cover has been connected with the framework of the other portions of the vault, an impervious filling is placed in grooves, one of which is shown at 36, thus sealing and covering all the exposed portions of the rigid frames including the hooks at 22.

(Patent No. 693,364 by Geo. B. Okey, Indianapolis, Ind.)

A STONE-LIFTING MACHINE.

This invention relates to a stone-lifting machine composed of a triangular frame formed of three timbers, 20, 20, and 23, attached to corner posts 19, 38 and 38 the latter two being bifurcated to fit over the two rear wheels. The manner of operating the machine is as follows: The clutch-hooks 41, 41 are gripped to the object to be raised. The hand-lever 14 is moved inward on its pivot, thus shifting the pulley 12 outward until the clutch member 13, engages. The draft is applied to

the cable 16, which by means of the pulleys and gearing 4, 5 winds up the cables 3, 3 and raises the load to the proper height. The draft ceasing, the pawl-and-ratchet mechanism, holds the load in place. The improvements the inventor claims



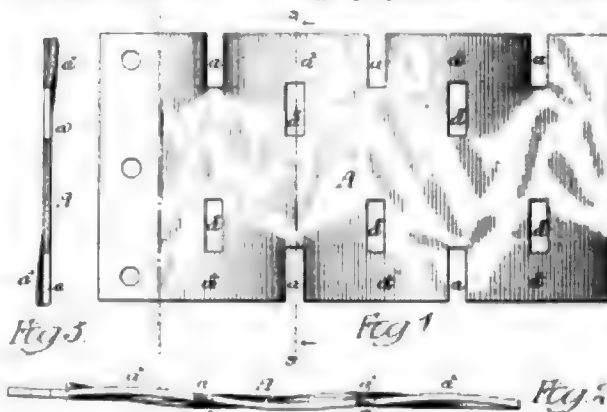
A STONE-LIFTING MACHINE.

are calculated to provide: First, facilities for shifting off and on the power to the gearing; second, a combined ratchet and friction-brake; third, sufficient space between the frame-posts to allow the handling of large objects and the clearing of cavities in the ground; fourth, the even distribution of the load on both ends of the axes of the rear wheels; fifth, an improved bearing in front axle for the lower end of the front post, and, sixth, a braced frame capable of sustaining the greatest strain likely to be applied to it.

(Patent No. 693,002, by Frederick A. Fulghum, Waterloo, Ia.)

A STONE-SAW.

As previously manufactured stone-saws have been constructed of a sheet or band of metal, one plane cutting a slot or kerf in the stone very little wider than the saw was thick, thus causing considerable friction between the saw and the wall of the slot, and giving so little clearance for the saw-blade that it was exceedingly difficult to retain the abrading material in the kerf. The inventor of this device claims to have devised a saw that will retain a very large proportion of the abrading



A STONE-SAW.

substance and very materially reduce the friction between the saw and the walls of the slot in which it operates. Figure 1 is a side view, Figure 2 a plan view and Figure 3 is a vertical sectional view on the line 3, 3, Figure 1. In the drawing, A is

(Continued on page 308.)



MASSACHUSETTS MONUMENT AT ANDERSONVILLE.
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RECORDS IN LETTERING.

Mr. Joseph J. Little, of Attica, Ind., writes that it is a common day's work for him to start at 7 o'clock in the morning, drive eight or nine miles to the cemetery, cut a full inscription on a granite monument in a manner that will stand inspection, and get back home by 6:30 p. m.

The Grand Rapids Marble Co., Grand Rapids, Mich., send a rub of a Barre granite marker, lettered and traced by Walter J. Bash, of their lettering department. It is 13 by 13½ inches in size, contains 31 letters 1½ inches high, a border, and a flower design in one corner, and was finished in 5 hours and 24 minutes. The work shows care and skill in execution and was in every way satisfactory to the firm.

Apropos of fast lettering we have received the following communication from a correspondent who disapproves of trying for records in lettering. That there is danger of over exertion in testing one's powers in any direction, no one will deny, and we are glad to give space to both sides of the question in the hope of hearing from more of our readers who have records or opinions on record-making:

The first thing that caught my eye in the last number of THE MONUMENTAL NEWS was, (oh, my!) a journeyman posing as a man of extraordinary ability as a letterer, doing a wonderful amount of work in a certain time. Well, I suppose the poor fellow has caught his bosses' give-away fever, given to them by the people who go about from shop to shop with a hundred dollars getting designs, sizes and prices, and the boss who gives the largest job and the most work for the hundred dollars, gets the per immon. If there is not enough profit in the transaction to buy a loaf of bread and a red herring, or to let live, what does the customer care for the journeymen, who is knocking the life out of his body doing an extraordinary lot of work. I have helped to bury more than one marble cutter who died from consumption brought on by over-exertion. They were buried and the wants of their families attended to, not by the men they had helped to make rich, but by the chums that they had often surpassed in the strife of work in the shop. I know you condemn the strife of competition among the bosses. It is hateful and ruinous, but in the name of humanity, why do you encourage a competition of this kind which will hurt and destroy the fools undertaking it. A sick journeyman came to our shop once to beg money to carry him home. I will never forget the words of my chum and the expression on his face as he exclaimed: "No sir, I have no money for the man that gave me many a backache as I would try to keep up with him, and who when he went home at 6 o'clock would lie on the floor for two hours, too tired to eat his supper. Now he has consumption. Good enough for the rumping dog. Let him die; it is his own fault. I have no pity for him." One of my chums down this way died some years since from bleeding of the lungs. He was always in such a hurry with his work he would not take time to sweep the dust off his stone, but used his lungs for a bellows to blow it away. When told he was hurting himself, he thought we were trying to get a chance to get even with him in work. One day his lungs began to bleed and the doctor ordered him to b-d, and in three weeks he was in his grave. Ah, poor fellow, why did you kill yourself? Ah, yes, why are others doing the same thing to-day in order to become famous as fast workmen and to beat some one else. Years ago when we finished 2 feet by 10 inch—2 inch headstones, two of them was a day's work, but a man came to the shop one day and offered to do them for 75 cents each. He got the job, and did four of them in a day. But how were they done? Alongside of our work they were just roughed out, and our granger boss could not see the difference till some of his sharp-eyed

customers pointed it out to him. If he had kept it up a while his trade would have gone by the board, as he had no mechanical eye or taste and was in the gravestone business for the almighty dollar. But he got his eyes opened at last to see that hurried chopped out work would have been his ruin. One of the good things of organized labor is that no journeyman is allowed to bulldoze and terrorize the rest of the men by going outside of the bounds of sense and reason to make a name for himself, or to held his job and be the pet of the firm. "Dum Vivimus Vivamus."

Geo. Betham

Ipava, Ill.

THE OLD AND THE NEW.

The evolution of the monumental business in this country, from the two inch Italian marble slab of a century ago, with its quaint "weeping willow, sheaf of wheat" and other symbolic carvings, to the present time of wondrous and (sometimes beautiful) conception of Obelisk, Tomb and Mausoleum is extremely interesting, and a subject that could be treated at great length, but just here let us say briefly, that the marble and granite trade has finally developed, and is rapidly assuming the condition of two distinct classes.

First: The quarryman and manufacturer, with large and in some cases, almost unlimited capital, erecting close to quarry immense shops, equipped with all the latest appliances for handling and finishing stone, marvelous machinery that takes the hard gray rock called granite (which scientists tell us is the foundation stone of the earth) and batter, hammer and mould in graceful lines and cover its surface with glistening glass, and the merry buzz of the pneumatic tool burying itself deep under and around lily, leaf or whatsoever emblem of peace or war, giving to the world such relief in carving that must make those ancient Greek sculptors turn in their mummy cloths with envy.

This remarkable advance in the working of stone, brought on by the introduction of machinery, has benefitted the dealer, large or small, in the increased demand by the public, and the great possibilities of artistic accomplishment in this higher class of work must surely elevate the trade to almost a profession. So much for the firstclass, and secondly, the other class, and of the greatest majority by far, the multitude of retail dealers of every size, mostly small shops to be found in almost every town and village in this broad land, men who are to the manner born, who by diligent serving, a loyal pride in their work, have long before these present days of modern scientific methods built up a reputation for good work, and beautified our cemeteries, parks and squares, and to these great numbers, the members of the firstclass, do, and will in the future, owe their existence, for do they not distribute the finished products of the great quarries?

Therefore, it is this changed condition of things that the small dealer must sooner or later realize and conform too, and eventually occupy the field simply as a go-between, jobbers of marble and granite monuments and tombs, having a large or small stock of finished work constantly on show, needing only the foundation and lettering to set in the cemetery immediately.

In this revolution of the trade, shattering all the methods in vogue these years past, the greater loss will be in local pride, the admiration of one's own handiwork. Since the great advance in use of granite, which had virtually supplanted marble altogether for outdoor use, the many annoyances which the working of granite has subjected the small dealer to, namely, the cutting, polishing, lettering and tool dressing, have so much the more hastened a consummation of these changed conditions, that the great majority gladly welcome the new order of things, and really delight in the transfer of responsibility, and let the members of the firstclass assume entire charge of getting out their jobs, providing, of course, that they can get a fair margin of profit, and that the closer relations between the old and new, will improve with age, each one doing his part honorably, and in justice one to the other.

Harvard C. Wood.

THE MONUMENTAL NEWS.

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 Die 1-2 x 1-2 x 3-6
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 Best of Stock and Work
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BRONZE STATUARY DEPARTMENT

UNDER SUPERVISION OF
 MR. JULIUS BERCHEM.....

Monumental Bronze Statuary

BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.

Notes of Retail Dealers.

ALABAMA.

E. P. Triplett has recently started in business at Avondale.

George Kerrey, Opelika, has the only shop in that town. It is opposite the entrance to the city cemetery, where Mr. Kerrey has been located a number of years. His business is almost entirely in white marble.

CONNECTICUT.

The Fox-Becker Granite Co., of Middletown, has just completed a monument to Thomas Kelly, to be placed in St. John's Cemetery in that city. It is of light granite, in the form of a cross set upon three bases, with a figure in white Italian marble seated at the foot of the cross.

GEORGIA.

Ellledge & Norman operate a well equipped plant at Columbus. They have a compressed air outfit for working four tools and intend to put in granite polishing machinery in the near future. They employ twenty men and ship finished work into several of the southern states. H. V. Pillingim, general superintendent of sales, keeps in touch with the local agents who are located in the adjoining states, and closes the contracts that they work up. Among important orders now under way is a \$10,000 shaft of Barre granite for West Point, Ala., a \$2,000 white marble shaft for the grave of Ex-Governor Sanford at Opelika, Ala., and the Confederate soldiers' monument to be erected in Columbus next fall at a cost of \$1,000. White marble has the preference in this section although the sales of Quincy and Barre granites are constantly increasing.

Cherokee Marble & Granite Works, J. W. Stokes & Co., proprietors, have a well stocked yard and shop opposite the Georgia capitol at Atlanta. Their show room and stock of finished work on the lawn is attractively arranged. Business is good with them and the outlook promising.

ILLINOIS.

Downey & Son have opened a shop at 344 N. Water street, Decatur.

Hamer J. Higgins, a veteran monument dealer of Bloomington, died April 15, of paralysis of the brain following the rupture of a blood vessel. He had been in the marble business in that city for over 30 years, having started at his shop on East Front street in 1876. In 1878 he formed a partnership with J. P. Jung, and in 1890, Mr. Charles A. Kleinan was added to the firm. Mr. Higgins was 52 years old, a veteran of the civil war and was prominent as a business man and highly esteemed as a citizen.

IOWA.

The Hampton Granite and Marble Works, conducted by C. G. Dayton, of Mason City, and Wm. L. Beringer, of Chaplin, has recently started in business at Hampton.

KANSAS.

J. F. Powell, of Albany, N. Y., and C. F. Rinear, have formed a partnership to engage in business at Abilene.

MAINE.

Curtis R. Foster has purchased the granite and marble works of the late N. H. Higgins at Ellsworth.

The firm of Harrison, Wood & Co., of Belfast, has been dissolved by mutual consent, Mr. C. R. Harrison retiring. The business will be continued by the other two partners, A. S. Heal and Llewellyn Wood under the firm name of Heal & Wood.

MASSACHUSETTS.

The office and salesroom of George H. Carpenter, a dealer at Berlin, was totally destroyed by a recent fire. The loss amounted to about \$1,000, partially covered by insurance.

C. B. Rathbun, of Stockbridge, has rented his monument business to John L. Snyder, for several years his foreman.

MICHIGAN.

John Thatcher & Son have opened a shop at La Peere.

Euders & Kniebes, of Coloma, have dissolved partnership. The business will be continued by Edwin F. Kniebes.

The Grand Rapids Marble Co., Grand Rapids, write that they have on their books more orders, and orders for a better class of work than at any time in their history. They have recently increased their plant by the addition of a new cutting and store room, 20 by 40 feet, have increased their force of men and are working overtime to get out Decoration Day orders promptly.

MINNESOTA.

Mutchler Bros., of Perham, have enlarged their business, and organized as The Northwestern Monumental Works, taking Mr. U. S. G. Henry into the firm. They will erect a new plant, put in new machinery and increase their force of men.

George Nelson, of Hutchinson, has sold his business to Zierke Bros., who will consolidate it with their own plant.

MONTANA.

Theodore M. Waller, proprietor Butte, Mont., Steam Marble and Granite works, died in January. George Walker, administrator, will continue the business until the estate is settled.

NEBRASKA.

The shop of E. F. Rutherford, of Omaha, was struck by a cyclone on March 11, and completely destroyed. The storm struck at intervals of a mile or so, and wrecked several other buildings. Mr. Rutherford will rebuild at once and continue business.

Joseph Westoupal, of West Point, was in Chicago during the month securing stock for spring trade. He reports good business with excellent prospects for the future.

NEW HAMPSHIRE.

John H. Enerson has bought the marble and granite business at Colebrook.

NEW YORK.

George C. Frost, of Hoare & Frost, at Watkins, recently committed suicide in a temporary fit of insanity.

Joseph Cone, of Geneseo, has sold his marble works to a company composed of Patrick Reagan, jr., James Toole, jr., and Martin Ryan, jr., all of Geneseo. Mr. Cone has conducted the business for 45 years.

Thomas S. Smith, of Cobleskill, will establish a branch business at Fultonville.

Peter C. Foley, of Foley Bros., Olean, was elected mayor of that town on the Democratic ticket. The election was held April 11, and Mr. Foley went in on a comfortable majority.

OHIO.

W. O. Weaver has sold his granite and marble works at Montpelier and will move to Defiance, where he will engage in the manufacture of brick.

A. Cochran has opened a monument business at Coshoc-ton.

E. M. Wolff & Co., of Mansfield, have the contract for the monument to the late Secretary John Sherman to be erected in

(Continued on page 306.)

Marietta, Ga., May 1, 1902.

To the Trade:

We have just purchased for
cash the largest bill of

GEORGIA
MARBLE BLOCKS

that has ever been sold at one time
by any of the Georgia Marb'
quarries.

We have recently arranged for the
shipment of

1600 Tons of
Italian Marble

DIRECT FROM ITALY.

Send us your orders for sawed or finished marble
and take advantage of the opportunity of having a se-
lection made from this large stock.

THE KENNESAW MARBLE CO.

GEO. F. NEWELL, Pres.

NOTES OF RETAIL DEALERS—Continued.

that city. It is to be of sarcophagus design, eight by twelve feet at the base, and will weigh 30 tons. The material will be Westerly granite, with moulded base and die, ornamented with Romanesque carving.

The National Marble Co's plant at Columbus has been sold to Harry M. Low and others.

The firm of Merkle & McColly, of Dayton, has been dissolved, and has been succeeded by F. C. Merkle & Co.

Patterson's Monumental Works, at Bellefontaine, are warning dealers against one E. S. Crowl, who is described as: weight about 150 pounds, light brown hair, blue eyes, long slim jaw, scar on cheek, index finger gone; great talker and gambler; carried dress suit case of designs marked Patterson's Monumental Works. He is wanted for forging that firm's name to a check for \$335, and for similar offenses in Western Pennsylvania. Dealers are requested to notify the Patterson Co. by telegraph at their expense.

PENNSYLVANIA.

Charles Coble has purchased the Keystone Marble Works at Elizabethtown from his father, Jacob A. Coble, and will continue the business at the old location.

Joseph B. Reinhalter & Co., Philadelphia, contemplate starting a manufacturing plant at Barre, Vt., and Mr. Reinhalter is now looking over the ground for a suitable location.

John S. Moore, of Brookville, has sold his business in that city to Charles G. McLain. Mr. Moore will continue his branch at New Bethlehem, but will be addressed at Brookville for the present. He reports a nice business at his new Bethlehem shop which he started a few months ago.

SOUTH DAKOTA.

Williams Bros. have succeeded to the business of L. W. Tenney at Sioux Falls.

The Aberdeen Marble and Granite Works, of Aberdeen, have purchased the Light Granite Co's polishing plant and quarry at Ortonville. Koon Bros., of Aberdeen, who are conducting the business, will have their main office in that city.

TENNESSEE.

Jno. Troutt & Co., the leading manufacturers and dealers of Knoxville, are in the midst of a busy season of work, one

ford stone erected at Summerville, Ga., for the Cleghorn family. It has ground dimensions 13-10 by 12-1X14-2, and the roof is in three pieces. The columns, caps, and interior finishings are all of marble, and a door of Italian marble with bronze hinges forms the entrance. It contains eight catacombs fitted with bronze handles.

Morriss Bros., Memphis, recently erected an elaborate memorial in Forest Hill Cemetery for the Hon. William Robert Moore, who designed it himself, though he is still living. The memorial consists of a shaft of rock-faced Vermont granite, seven feet square at the base, and 15 feet high, surmounted by a bronze statue of Mr. Moore, and a sarcophagus, standing beside it bearing an allegorical statue of Faith, representing his wife. The cost of the memorial was about \$15,000.

TEXAS.

J. G. Walker, formerly of San Angelo, has opened for business at Colorado.

The contract for the monument to be erected by the employees of the Texas Central Railroad in memory of G. A. Quinlan, late Vice President of the road, has been awarded to R. T. Jaeggli, of Brenham. A fund of \$2,500 has been subscribed for the memorial, which will be twenty feet high, surmounted by a statue of Mr. Quinlan.

VERMONT.

Joseph E. Walter has purchased the plant of the St. Johnsbury Granite Co., at St. Johnsbury, formerly operated by E. J. Goss. The property consists of some land and three buildings, used principally as cutting and polishing sheds. The price paid for the plant was \$3,000 and for the stock and equipment, \$1,000. The shop is equipped with an Ingersoll-Sergeant air compressor, and six polishing wheels, and has a good supply of orders on hand. The firm of Conley & Nutt occupy one-half of the cutting shed.

WASHINGTON.

The Seattle Monument Co., Seattle, are successors to Sherman & Beckman.

WEST VIRGINIA.

Sullivan & Martin have bought the stock and business of T. A. Sullivan at Piedmont and will continue under the new firm name.

F. A. Lang, formerly editor of the Clarksburg *County Mail* will engage in the marble business at Parkersburg with his father, Frederick Lang.

James G. Smith, formerly of Glen Elk, has moved to Parkersburg, where he will continue in the marble and granite business, in partnership with his brother.

R. W. Fleming & Co., of Wellsburg, write: "We have built a new shop this winter and as we have many good contracts on hand we are in better spirits than any spring in our 30 years of business."

The West Virginia Monumental Co., New Martinsville, has received its new charter with an authorized capital of \$50,000. The incorporators are: T. H. Hawkins, J. L. Harne, A. C. Ruby, Foster Leap, L. V. McIntire, John Scally and C. W. Beck.

WISCONSIN.

W. H. Ceagelske has re-purchased the Merrill Marble Works at Merrill, which he recently sold to Buhler & Hankwitz.

Weeks & Weeks have succeeded Tyler & Weeks as proprietors of the Waushara County Marble and Granite Works at Plainfield.

"Expenses paid if you come to this city and buy directly of us," appears on the business cards of D. C. Ryan, of Monroe, on the back of which is a half tone cut of his shop, showing a fine display of finished monuments.



CLEGHORN MAUSOLEUM, SUMMERVILLE, GA.

piece of which is illustrated here. It is a family vault of Bed-

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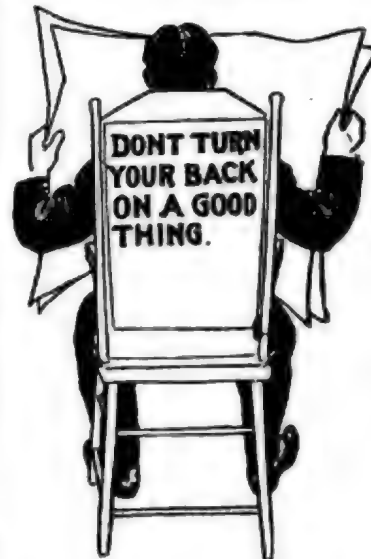
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give perfect
satisfaction.

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What is a
Good
Thing?

We suppose many
who read the above
expect to find in
these succeeding
lines a receipt for
making something

Good to Eat
NOT SO

This
Good
Thing

Refers to

Brandon Italian

as a

Monumental Marble

Place your orders with us and see if it is not the
BEST you have ever used.

Brandon Italian Marble Co.
MIDDLEBURY, VT.

RECENT INVENTIONS. — (Continued).

the body of a stone-saw, consisting of a plate of iron or steel having slots or recesses *a a*, preferably rectangular in outline, cut in its edges, thereby forming teeth *a' a'*. Opposite the center of each tooth and with its front end projecting slightly near the edge of the saw and the bottom of the slot's *a* are other slots extending through the plates *A*, preferably of the same shape and dimensions as the recesses *a*. The other edge of the saw-blade is similarly provided the saw being thus reversible in its frame when one edge has been worn down as far as allowable. From Figure 2 it will be seen that the saw-teeth are bent into a series of reverse curves, the teeth being made alternately convex and concave when viewed from the side. When the first set of teeth have worn away, the next set are similarly bent, using for this purpose any convenient clamp or bending device. Holes are provided in each end of the saw for its attachment to the saw-frame. In operation there is but very slight friction between the saw and the walls of the slot, since it contacts with them only tangentially on one vertical line on each tooth. Further, owing to the curved form of the teeth and to the fact that the saw itself is much thinner in section than the width of the kerf by far the greater proportion of the abrading material is retained within said kerf, the saw ejecting but very little of it at each stroke.

(Patent No. 603,382, by James Pickner, Philadelphia, Pa.)

ILLUSTRATIONS

Plates in Photogravure Edition.

(Formerly The International Edition).

- NO. 622. NAVE AND WYETH FAMILY MAUSOLEUMS in Mount Moriah Cemetery, St. Joseph, Mo.
- NO. 623. DESIGN FOR SARCOPHAGUS MONUMENT, "Kline," by James F. Price. Sizes: Base, 5'9" x 2'7" x 1'-0"; Base, 4'9" x 1'7" x 0'-8"; Die, 4'-5" x 1'3" x 2'-2"; Height, 3'-10".
- NO. 624. DESIGN FOR MONUMENT, "Mouson," BY E. Sargent Simpson. Sizes: B. Base, 7'2" x 4'6" x 1'-2"; Base, 5'-8" x 3'-0" x 1'-0"; Die, 4'-8" x 2'-0" x 2'-5".
- NO. 625. DESIGN FOR MONUMENT "GREEK," by B. F. Allen, Indianapolis. Sizes: Base, 5'-6" x 4'-0" x 1'-4"; Base, 4'-0" x 2'-6" x 1'-2"; Die, 3'-0" x 1'-6" x 3'-4"; Cap, 3'-9" x 2'-3" x 1'-10".
- NO. 626. DESIGN FOR MONUMENT BY R. C. BLOCKSON, Boston, Mass. Sizes: Base, 3'-8" x 3'-8" x 1'-4"; Base, 2'-8" x 2'-8" x 1'-2"; Die, 2'-0" x 2'-0" x 3'-4"; Finial, 2'-0" x 2'-0" x 1'-9".

Sculpture Notes.

PLASTER casts of representative Swiss sculptors are to be presented by the Swiss government to Harvard University as a contribution to the Gammie Museum of that institution. The selection will be made from plaster casts now in preparation at the National Museum at Zurich.

IN a collection of Rodin's recent works at a recent Paris exhibition was a plaster group entitled, "The Soul and the Body." It represents the figure of a horse, complete to the neck, from which issues the upper part of a woman's form. With hands joined above her head, she seems to be drawing herself forth from the back of the animal expressing the eternal effort to free the soul from the body.

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Mausoleums, Vaults, Chapels, Columbarians.
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Memorials, Sarcophagus, Spires.
Tablets, Bronze, Mosaic, Glass, Etc.

Full size, detailed working drawings. Perspectives, plans, sections, sketch models in Water Color. Send order with all information which will be a guarantee that I will not make designs against you in that particular case. No one can enter my Study and inspect designs not their own or so intended.

At the QUARRIES

QUINCY, MASS.

From Our Regular Correspondent.

Labor troubles in the granite industry here have vanished and trade is fast reaching the normal. The quarrymen's strike, which has been on since March 1st, and which would have paralyzed the entire industry had it continued longer, was settled Sunday, March 30th, at a conference of committees representing the quarry owners of the local Manufacturers' Association and the Quarrymen's Union. The men returned to work on the morning of April 1st.

The propositions accepted by both sides are as follows:

SECTION 1. The committee of the granite manufacturers' association and the quarrymen's union do establish that eight hours shall constitute a day's work, beginning April 1, 1902, with the present nine hours pay.

SECTION 2. And they agree that should the business demand it at the request of the manufacturers, the quarrymen will work one hour overtime during the months of April, May, June, September and October, in 1902; that they will work the same overtime during the months of April, May, June and September, in 1903; that they will work the same overtime during April and May, 1904; said overtime to be paid for at the regular rate per hour.

SECTION 3. It is further agreed that an eight hour day throughout the year, with the present nine hours' pay, shall be established as soon as Barre, Vt. grants it.

SECTION 4. It is further agreed that weekly payments of wages shall be made.

SECTION 5. It is further agreed that there shall be no discrimination on account of participation in the late strike.

SECTION 6. Any difference which shall arise under this bill shall be referred to arbitration, the union to choose one man, the quarry owners to choose another, the two so appointed to choose a third. If any change is desired by either parties, three months notice shall be given and no cessation of work shall take place while the above board is considering the case under arbitration."

The first two sections of the agreement were submitted before by the quarrymen's union and were accepted without any opposition. The other sections were added Sunday, March 30, and, as they had not been considered before by the quarrymen in mass meeting, the proposition, in its entirety, was voted on by the men at a meeting held Monday morning in Farnum's hall, West Quincy, where it was voted upon to accept the the proposition as agreed upon by the two committees on Sunday. A joint meeting of the two committees was held Monday afternoon at which time the bill was signed.

Section 5, which refers to the fact that there will be no discrimination on account of participation in the strike, refers equally to the nonunion men who were brought to this city on Wednesday as well as to the union men who went out on March 1. The quarry owners said that all the men who went out on strike can have their old places again, and, as it was intended to open up new quarries in the West Quincy district, it was probable that the nonunion men as well as others would have a chance to get work.

Section 3, since the Barre settlement, has set at naught the second section of the above agreement and it is understood that on and after July 1st. work will continue on the Barre basis, or rather that part of the same which relates to the hours of labor and its recompense.

Since the resumption of work April 1st. the quarries have been run to their utmost capacity and their product has been speedily deposited in the yards of the manufacturer. The strike was not without its advantages to the quarry owner. During the suspension of work extensive repairs were completed on many quarry plants and the banks, in more instances, were entirely cleared of stock, all of which, now give the owners ample leeway for a speedier delivery.

In the yards business is rushing and every available man is on hand to accelerate the shipment of Memorial Day orders.

Thomas & Miller have shipped their Ephrata, Pa. memorial to soldiers who died in the war of the revolution. The monument will be fittingly unveiled May 1st in the presence of State and National dignitaries.

Burns & Co., at South Quincy are alert to the interest of their customers and have under way memorials of massive proportions. Their business which has been constantly increasing is now above the average.

McDonnell & Sons have been constantly improving their plant here during the past two years and the recent additions to their derrick enables them to handle stones of any size. They have under way some of the heaviest work ever turned out at the local shops. An all-polished twelve foot base sarcophagus, a nine foot square all-polished monument surmounted by a seven foot figure, an eight foot square monument twenty-five feet high elaborately carved, with a dome top, and another eight foot square base monument are among the notable pieces. Several handsome Westerly jobs are under the hammer also.

Another move on their part worthy of comment is the opening of a manufacturing plant at Barre, Vt., where they have for years owned a large interest in a Barre quarry. They were elected members of the manufacturing association at Barre during April. They now claim the distinction of being the only firm owning quarries and manufacturing plants at both Quincy and Barre.

Not a few out of town dealers have made Quincy their objective point during the past month as is evidenced by the following partial list of those to visit the trade here: Michael Sexton, Bridgeport, Ct. Frank A. Rendall, Auburn, Me. H. Adler, New York. City. Joseph Havender, Woodlawn, N. Y. Mr. Hayward of Hayward & Baldwin, Owego, N. Y. John J. Gallagher, representing the Geo. H. Hitchcock Granite Co., Boston, Mass. Gumb Bros, Lowell, Mass. Wenz Bros. Kutztown, Pa. Mr. Sandring, N. Y. City. M. Herb, Philadelphia, Pa. F. D. Fuller, Nashua, N. H. Henry A. Eaton, Claremont, N. H. A. L. Walker, Boston, Mass. T. W. Nickerson, Hyannis, Mass. and a representative of the Barnhart Granite Co. Chillicothe, Ohio.

The total shipment of granite during the month of March was 8,777,056 pounds and was distributed from the following depots: Quincy Adams, 4,196,466; West Quincy, 3,203,910. Quincy Granite Quarries, Co., via Quincy Railroad 1,376,680.

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BARRE, VT.

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THE extensive Granite Works of

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are on the same spot they have been for the past 25 years, but have been reconstructed to meet the advance of trade.

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I claim to furnish Large Work, Building or Monumental, Mausoleums and Rock-faced Bottom Bases at the lowest price possible.

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SHIPPING FACILITIES UNSURPASSED.

BARRE, VT.

(From Our Regular Correspondent.)

The most important event during the past month was the peaceful settlement of all differences between the Quarrymen's Association and the Quarrymen's Union, by which a strike was averted, and both sides



COURTESY BARRE TELEGRAM.

THE LATE G. C. MACKIE, OF BARRE.

showed themselves men of good business sense. At first the Union appeared to act rather hastily, and make extraordinary demands, which the Association seemed inclined to resent by refusing recognition to either Union or demands; but better counsels prevailed. Committees of both organizations met and talked over the matters at issue, and very soon an amicable arrangement was reached, very satisfactory to

both the principal parties, and all related to them. Fully 800 members attended the meeting which unanimously ratified the agreement, and after the vote there was much rejoicing. The agreement is as follows:

1. No change to be made in hours or wages until July 1, 1902.
2. On and after July 1, 1902, eight hours to constitute a day's work.
3. The hours of labor to be as follows: For the months of December, January, February and March, from 7.20 a. m. to 11.30 a. m. and from 12.30 p. m. to 4.30 p. m.; for all other months in the year, from 7 a. m. to 11.30 a. m. and 12.30 p. m. to 4 p. m., standard time to govern.
4. On and after July 1, 1902, wages to be advanced 10 per cent per hour. Overtime to be paid at same rate as regular time.
5. No discrimination to be made between union and non-union men by either party to this agreement.

It is also agreed that any contention that may arise during the period of this agreement, as to the performance in good faith of said agreement by either party, shall be referred to a committee consisting of six members, three to be selected from the Association and three to be selected from the Union, which shall act as a board of arbitration; and failing to agree by a two-thirds vote, said board by a five-sixths vote shall agree upon and select a disinterested person to act with them, and the board thus constituted shall hear the parties and make an award within 30 days by a majority vote—such award to be final. Pending such arbitration in reference to the foregoing agreement, it is mutually agreed there shall be no strike, lockout or suspension of work.

This agreement to remain in force until July 1, 1905. If either party desire a change at that time, notice shall be given in writing, specifying the changes desired, at least three months previous to that date. If no notice is given then this agreement shall hold good for another year and from year to year thereafter with notice of change as provided above.

This settlement is considered a good one, fair to both sides; and being gained without a contest, and without feeling prevailing, it is doubly valuable.

The Granite Exchange has been in full running order for nearly a month, and is more and more commending itself to its members. Of course there has been some criticism and even fault finding with acts and methods. Some radical changes have been suggested, and nearly determined upon; but it has been wisely determined to give the present arrangement a full and fair trial, and then make such changes as experience proves necessary. The large force of clerks, estimators, book keepers, etc., is now getting used to the work, and friction and delay are being more and more eliminated, or reduced to the lowest terms.

E. L. Smith & Co., have the contract for cutting eleven monuments to be erected by the state of Iowa on the battlefield of Shiloh in commemoration of the services of the Iowa regiments in that famous battle. Each monument will have the following parts and dimensions:—Bottom base 10 ft. 6 in. by 6 ft. 2 in. by 1 ft. 0 in.; 2nd base 8 ft. 2 in. by 4 ft. 8 in. by 1 ft. 0 in.; die 7 ft. 3 in. sq. 6 ft. by 3 in.; Cap 8 ft. by 4 in. sq. and 4 ft. 8 in.; all of the same design. The work is being done for the P. N. Peterson Granite Co. of St. Paul Minn.

After a long illness Mr. George C. Mackie, of the late firm of Mackie, Hussey & Co., passed away April 19th. Mr. Mackie was a native of Aberdeenshire, Scotland, and emigrated to America in 1871, and worked at stone cutting in several places, before coming to Barre in 1880, where he was accompanied by his half brother, James C. Simpson. They were the first Scotch stone cutters to arrive in this place, and they were employed by the old firm of Wetmore and Morse. Four years later the firm of Mackie and Simpson was formed, and met with great success, at the end of three years owning a valuable plant and employing 60 men. They then sold their business to Jones Bros., of Boston, for whom Mr. Mackie acted as superintendent for five years. He then purchased the Sortwell and Moore plant, one of the largest and best equipped at that time. After a short time he sold this also to Jones Bros., and then erected the largest and most complete plant in the city, which failing health led him to sell to Barclay Bros., two or three years ago. For many years he was one of the foremost business men of the city and acquired a large property. His funeral April 22nd was largely attended, all the granite plants, and stores being closed.

The anticipation of a possible strike led to great activity at the quarries, every firm being anxious to have as large a stock on hand as possible, if the trouble were to come. The weather and roads were favorable, and the output was large.

Business continues good for the season, and the men are all at work.

CONCORD, N. H.

Concord firms are all reporting large contracts on hand and in prospect, and there is a promising outlook for one of the busiest seasons this town has ever seen both in building and monumental work. Improved machinery for turning out cut work, has been added to a number of plants and electric power has been installed at the works of John Swenson, Ola Anderson, Oliver

(Continued on page 314.)

THE QUINCY GRANITE QUARRIES CO.

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which produces the finest Blue-White stock. Rough stock a
specialty.

FOR PRICE APPLY TO

**Gourlay Granite Works,
WESTERLY, R. I.**

CONCORD, N. H.—Continued.

Racine, and McAlpine & Co. The work of cutting the granite for the Blackstone library in Chicago is under way at the New England Granite Works.

Thomas Fox has among his recent contracts one for a soldiers' monument at Warner, N. H. The contract was first awarded to William H. Perry, but on his assignment was transferred to Mr. Fox.

QUARRY NOTES.

The Peoria Stone and Marble Works, Peoria, Ill., has been awarded the contract for the interior marble work on the new state capital at Topeka, Kas., valued at \$29,000. Tennessee marble will be used. This company has secured contracts amounting to \$500,000 since the opening of the year.

The United States Marble Co., Spokane, Wash., has brought suit against the Colonial Marble Co., of the same city for \$100,000 damages. The bill alleges fraud in using samples from the United States company's quarries as their own, and in reproducing photographs of the former company's quarries in their advertising matter.

The Medina Quarry Company, a syndicate of New York capitalists, which has acquired control of all of the quarries of Medina sandstone at Medina, Orleans county, N. Y., has been incorporated with a capital stock of \$2,000,000. The new company will make many improvements in machinery and equipment and extend the market for Medina stone. The officers of the company are: President, Bird S. Coler, of New York; Vice-President, Hon. J. A. Roberts, of Buffalo; Treasurer, W. E. Scarritt, of New York; Assistant Treasurer, Michael Slack, of Medina; Secretary, J. C. Rogerson, of New York; General Manager L. A. De Graff, of Albion. The Medina sandstone quarries have been operated for more than 50 years, and their product has long been known as one of the most durable of materials for paving and building work.

Venable Brothers, of Atlanta, Ga., whose quarries are at Stone Mountain and Lithonia, control several hundred acres of quarry lands, including the remarkable deposit of granite known as Stone Mountain. Four hundred car loads of paving and other street work have been shipped to Chicago since last fall. Mr. W. H. Venable has been appointed by the governor chairman of the State Board of Commissioners to the Louisiana Purchase Exposition. State Geologist Yeates is also a member of the Commission. It is the intention to make a fine exhibit of Georgia mineral resources.

Robert P. Beecher, secretary and treasurer of the Southern Marble Company, Atlanta and Marble Hill, Ga., died March 13, after a brief illness. His remains were taken to Danville, N. Y., for interment. Mr. Beecher had resided in Atlanta for twelve years, where he had a wide circle of friends and acquaintances.

All of the granite firms at Milford, Mass., have agreed to the wage schedule proposed by the Union on January 1. The agreement calls for a minimum wage of 37½ cents an hour for an eight-hour day, with time and a half for overtime and holidays and double time for

Sundays. The bill of the derrickmen's union, calling for a wage of \$2.50 a day, was also signed.

The Marble Manufacturers' National Association was recently organized at a meeting of marble men held in Cincinnati, O. It is composed of manufacturers of interior work, and has for its object the regulating of prices in plumbers' marbles, which have hitherto been badly demoralized. All the principal marble firms in the country were represented, and the following officers were elected: President, W. E. Higbee, Rutland, Vt.; Vice-President, John M. Mueller, of Cincinnati; Secretary and Treasurer, J. R. Hugg, of Baltimore.

The Western Consolidated Granite Company, the so-called granite "trust," said to control the granite output in the Northwest, has completed negotiations for absorbing the six granite companies of Wisconsin with quarries at Berlin, Utley, Waupaca, Montello, Ableman, and Devil's Lake. Last summer the company secured options on quarries at St. Cloud, Minn., Sioux City, Ia., and on several beds in Georgia. The quarries in the combine are all producers of crushed granite and other street work, and do not include the monumental granite. The headquarters of the company will be in Chicago, and the following officers have been elected: President, W. P. Baker, of Waupaca; Secretary, Albert N. Eastman, of Chicago; Treasurer, John J. P. Odell, of Chicago.

Philadelphia capitalists are reported to have purchased through A. H. Fegely, of Reading, Pa., 49 acres of quarry property near Birdsboro, Pa., containing a valuable deposit of blue granite. The price paid is said to have been \$30,000, and a stock company with a capital of \$100,000 is to be organized to open up the quarry, which has not been worked for some years.

The Orville Marble Quarries near Clarendon Springs, Vt., have been leased for twenty years by J. E. Burke and Jewett P. Cain, of Rutland, and W. B. Butler and T. L. Willis, of Pittsfield. They are to begin operations in May under the name of the Orville Marble Quarrying Company. The Orville deposit was discovered in 1845, and suspended operations during the panic of 1893. The property includes about 90 acres, and contains deposits of some 15 varieties of marble suitable for interior and decorative work.

An important real estate transaction took place at St. Albans, Vermont, last month, when E. Fletcher, of Hardwick, by purchase obtained the entire interest of the Fletcher Granite Company, located at Woodbury, says *The St. Alban's Messenger*. "The property consists of 150 acres of quarry land, an unlimited supply of strictly first-class gray granite, two large cutting plants, one-third interest in the Hardwick & Woodbury railroad, boarding house, dwelling houses, water power, pumping plant, every department being equipped with new modern machinery. This property represents an original investment of over \$100,000 in money. The natural resources of the quarries are not excelled by any in this country. The equipment is new and without any question the Fletcher Company's property ranks among the very best."

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There is a disposition among some retail dealers to disregard the true motives that have led to the formation of an exchange or clearing house at Barre, and to look upon the action of the manufacturers in the light of a trust formed for the sole purpose of raising prices. Considering the fact that all of the manufacturers at Barre have not seen their way clear to endorse the exchange idea, it is not surprising that retail dealers should also differ in their opinions, but the contention of the retailers differs widely from that of the manufacturers, who are withholding their co-operation, and is in reality unjust to the promoters of the plan. The purpose of the exchange was very definitely stated in the announcement made by the granite manufacturers, and those who are familiar with conditions as they have existed at Barre for years have long since realized that the methods pursued there were radically wrong, and would sooner or later have to be remedied. It were better to withhold unkindly comment at least until there are better reasons for it than as yet exist.

DESIGNS

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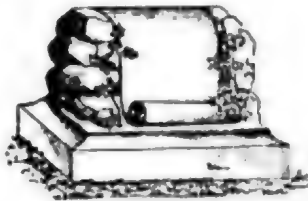
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The monument illustrated above was recently unveiled by the Georgia Society of the Colonial Dames, at Augusta, Ga., to mark the site of old Fort Augusta, erected by order of General Oglethorpe more than 200 years ago. It was a stronghold of the colonial troops during the Revolution, when it was known as Fort Cornwallis, and stands near St. Paul's Church, Augusta.

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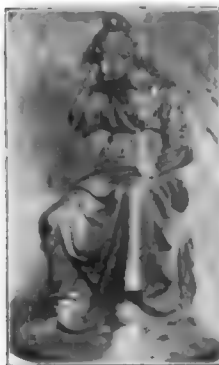
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BARRE, VT.

What Our Advertisers Are Doing.

AIR COMPRESSORS.

For a number of years stone workers have been interested in pneumatic machinery to be used in connection with stone dressing and carving, and in many large establishments, where considerable power is required, stone carving has been extensively carried on by the use of pneumatic chipping hammers. As these hammers are operated by compressed air some power plant is required to operate the compressor which supplies the air to the tools. There has been very little difficulty in supplying the larger establishments with a combined engine and air compressor, but generally these combinations were not made in sizes smaller than 12 H-P, and a plant of this size would operate from fifteen to twenty hammers, which is very much larger than would be required in the majority of monumental works. As the majority of the smaller yards would only require two or three hammers a very desirable combination would be a smaller gasoline engine and air com-



FAIRBANKS-MORSE VERTICAL ENGINE AND AIR COMPRESSOR. For a number of years stone workers have been interested in pneumatic machinery to be used in connection with stone dressing and carving, and in many large establishments, where considerable power is required, stone carving has been extensively carried on by the use of pneumatic chipping hammers. As these hammers are operated by compressed air some power plant is required to operate the compressor which supplies the air to the tools. There has been very little difficulty in supplying the larger establishments with a combined engine and air compressor, but generally these combinations were not made in sizes smaller than 12 H-P, and a plant of this size would operate from fifteen to twenty hammers, which is very much larger than would be required in the majority of monumental works. As the majority of the smaller yards would only require two or three hammers a very desirable combination would be a smaller gasoline engine and air com-

pressor, averaging from 1½ to 5 H-P. To meet this demand Fairbanks, Morse & Co. have manufactured the small vertical engine and compressor as shown in the illustration. The capacity of this combination is from nine to thirty cubic feet of air and it is suitable to operate from one to five hammers. It will be seen that the combination is very simple and compact, and by the absence of gears it is practically free from noise and vibration, and so designed as to be easily portable. Many contractors and finishers on structural work have been anxiously seeking for a portable combination in connection with a gasoline engine that would be suitable to use for stone carving on buildings. Several of Fairbanks, Morse & Co.'s large combinations are at work doing stone carving and a great saving is shown by the use of pneumatic tools over hand

work. Not long since the building of the Appellate Division of the Supreme Court in New York City was all carved by the use of pneumatic hammers, and the air for operating these was furnished by a 12 H-P combined gasoline engine and air compressor, and many comments were made as to the great saving over handwork. It was demonstrated that a man using one of these pneumatic tools could accomplish as much work in a day as was possible with five men working in the usual manner by hand. Recently several small plants have been in daily operation using combinations formed by the vertical gasoline engine and compressor as shown in the cut, which supplied air for operating pneumatic tools, which were being used for carving stone work on buildings. The results are more than satisfactory, as they afford a large saving to the contractor and facilitate the rapid completion of the building. It is claimed that the work is more tastily executed, since the man who operates the tool does not have to strike the chisel, is therefore less fatigued and can concentrate his whole attention upon the work and the results attained.

Of course, there are many uses to which these small plants can be put, such as painting by the use of compressed air, in which case the paint is sprayed on the work. Recently they have been furnished for supplying air to operate sand-blast cleaning apparatus, and stone buildings are being re-surfaced by the air driven sand blast process. Riveting tools, used in the construction of steel buildings and bridges, can also be operated from similar combinations, which can be supplied by the makers in sizes ranging from 1½ to 54 H-P. It would be advantageous for any one interested in the use of compressed air to correspond with Fairbanks, Morse & Co., Chicago, as they have had a wide range of experience and can supply literature on the subject.

In justice to Messrs. E. L. Smith & Co., granite quarriers and manufacturers at Barre, Vt., the trade is informed that they have no representatives on the road and sell only direct to retail dealers. Reference was made in these pages last month to W. T. Cripp of Buffalo, N. Y., who represents Emery L. Smith & Co., but who are in no way connected with the firm of E. L. Smith & Co. above mentioned.

W. A. Lindsey Co., Inc., Pittsburg, Pa., wholesalers of granite, marble, bluestone, etc., have moved into commodious offices in the House Building, Water and Smithfield streets, opposite the Baltimore & Ohio railroad station, where they will be pleased to see or hear from their friends in the trade.

The Stewart Iron Works, Cincinnati, O., want agents to handle their iron fencing for cemeteries, parks, public and private grounds. See their advertisement on another page and write for particulars.

Are you using a Sure Grip steel tackle block? The Fulton Iron & Engine Works, Detroit, Mich., will send you an illustrated price list with some interesting information concerning their popular blocks for setting monuments.

McDonnell & Sons, the well-known granite quarriers and manufacturers, of Quincy, Mass., have recently started a cutting plant at Barre in charge of Mr. Robert Q. McDonnell. They have operated quarries at Barre for years and will now be in a position to furnish the trade with finished work from their new quarries. At their well equipped plant in Quincy they manufacture Westerly granite as well as extra dark, dark and medium Quincy, and offer retail dealers every assurance of the faithful fulfillment of all contracts placed with them.

Your spring outfit will not be complete without a set of John A. Rowe's designs for rustic work in Bedford Stone.

(Continued on p. 324)

Maguire & O'Heron, QUINCY GRANITE

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Finished Monumental work and Rough Stock wholesale. Certificate of award at the Centennial Exhibition of 1876 on Millstone Granite, for the good color of the stone, its fine close grain, and good polish, and the marked contrast between the polished and dressed surfaces, a character which gives unusual distinctness in ornamentation and makes it especially adapted to fine cemetery work.

Telegraph and Telephone, NEW LONDON, CONN.

WHAT OUR ADVERTISERS ARE DOING—Continued.

Monumental work in pink Westerly granite is furnished the trade by Frank M. Ladd, New London, Conn. Mr. Ladd's plant is equipped with a pneumatic surfer and tools for executing fine work.

The Buckley-Hart Manufacturing Co., of Detroit, successors to the Crescent Brass and Iron Co., and the Hart Co., report among their recent contracts, one for a set of bronze doors and grilles for a new mausoleum now under construction by Chapaton & Ayres, of Detroit.

The Vulcan Company, Detroit, Mich., manufacturers of Entrance Gates, Arches, Iron, Wire and Tubular Fencing, etc., invite the attention of monument dealers to their new and artistic designs in work of this character. The members of this company have had years of experience in manufacturing this class of cemetery and park work and solicit an opportunity of demonstrating their ability to submit designs and execute work that will give entire satisfaction.

E. Sargent Sampson monumental, designer, 315 Madison Av. New York, is getting out a set of twelve photographic designs that are well liked by those who have seen them. Mr. Sampson has done considerable work this spring in the way of vault designs and would like to hear from dealers in need of designs of this kind.

The Marathon Granite Co., have completed their works at Wausau, Wis., and are finishing a large stock of squared and polished red Wisconsin granite for early spring delivery. Their increased facilities will enable them to take care of an unusually large amount of Decoration Day orders. Marathon granite is a beautiful red; dealers who are not familiar with it should send for a sample.

The Kennesaw Marble Co., Marietta, Ga., have recently purchased a large bill of Georgia marble blocks, and a shipment of 1600 tons of Italian marble to come direct from Italy. Dealers who wish to take advantage of a selection from this large stock should see their advertisement on page 305 and communicate with them.

D. J. Whitney, of Gouverneur, N. Y., is calling the attention of the trade to a well equipped and desirably-located plant in the East, which is for sale, and which he believes to be a good opportunity for the investment of capital. For particulars see his announcement in "Business Chances" on page 328.

John McLean, manufacturer of bronze work and cemetery supplies of all kinds, 298 Monroe street, New York, reports that notwithstanding keen competition, he has never seen a busier season. He has an appreciative list of customers, and says trade in doors and other bronze work is especially active.

The Harrison Supply Co., Boston Mass., have recently been appointed exclusive agents for the United States and Canada for the Aberdeen Iron Grit Co., Aberdeen, Scotland, as the result of a recent European trip of Mr. Nathan C. Harrison. They also have exclusive control of the Harrison Brothers' well-known shot, in which they have built up a large trade within the past year. A shipment of 78 tons of shot has just arrived in Boston, and another large one is en route to San Francisco.

Jas. Newall & Co., of Westerly, R. I., are cutting the sarcophagus monument for the late Senator John Sherman to be erected on the Sherman lot in the cemetery at Mansfield, O. It will be 8 by 18 feet at the base, and will weigh 30 tons.

Bureau Brothers, bronze founders, Philadelphia, Pa., were the founders of the figure of the Attending Angel modeled by Sculptor William Couper, and erected on a clock tower in Methuen, Mass. The figure was recently illustrated in our Photogravure Edition. Among the other work which they are now casting is the fourteen foot statue of General Reynolds, modeled by Charles Gaffey for the Smith Memorial Arch, now in process of erection in Philadelphia, and a large bas-relief by H. K. Bush-Brown.

Trade Literature, Etc.

J. S. Clark & Co., 239-247 W. Green street, Louisville, Ky., send "The Louisville Year Book for 1901-2," an attractive, illustrated souvenir book of the city, issued by the Commercial Club; also several illustrated booklets used by them for advertising purposes, entitled respectively: A Few Illustrations showing different styles of Memorials, Reference, A Few Facts to be Considered in Purchasing a Monument, and Appropriate Memorials.

Core Drilling Without Diamonds; two illustrated catalogues showing machinery and methods of using it, from the Davis, Calyx Drill Co., 128 Broadway, N. Y.

Catalogue of flower vases, from Kramer Bros., Dayton, O., illustrating the different styles of lawn vases handled by them.

Searles & Baxter, Cedar Rapids, Ia., send a neatly printed folder, giving a history of the firm and a list of patrons.

D. J. Whitney, Gouverneur, N. Y., wholesale price list of marble for 1902, Giving prices of rough stock and finished work in his Unfading Blue and New York marbles.

D. J. Howell's Sons, Easton, Pa., illustrated folder, showing specimens of work erected, and giving testimonials and references.

THE SALES RECORD

A simple, practical and convenient means of keeping a systematic record of the purchase and sale of every monument. Tells at a glance when and where the monument was bought, to whom sold, when and where erected, shows first cost and all the incidental expenses. It saves money by avoiding future mistakes concerning the actual cost of work. Highly endorsed by many successful dealers. The pages are 8x10 1/4 inches, substantially bound.

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PRICES, ESTIMATES AND RULES FOR FIGURING THE COST OF GRANITE WORK. BY JAMES F. BRENNAN.

A guide to assist in arriving at the cost of Cutting, Polishing and Lettering Plain Surfaces, Mouldings, Drapery, Statues, Urns, etc., in the different kinds of granite, and prices of rough granite at the different granite centers, to which are added the bills of prices of workmen recently adopted at Quincy, Barre and Concord; also complete bills of prices for polishing, recently adopted at Quincy and Barre. Illustrated, \$1.00.

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The Photogravure plates of public and private monuments, issued every month with *The Monumental News Photogravure Edition*, are the most valuable collection of monumental designs ever published. The designs include reproductions from air brush drawings made expressly for this purpose, or photographs of finished monuments of every description. The leading monument dealers, contractors and manufacturers are subscribers to this edition of *The Monumental News*. Price, \$2.50 a year, including 60 photogravures.



THE PHOTOGRAVURE EDITION OF THE MONUMENTAL NEWS comprises the Regular Edition and five Photogravure plates, illustrating Mausoleums and every description of modern Cemetery Monuments, Public Monuments, Statuary, Fountains, Etc.

The plates are 9 x 12 inches, on bond paper. The illustrations are from original drawings made expressly for this Journal by practical monumental architects and draughtsmen, and from photographs of completed work in Cemeteries or Parks.

These are the only Photogravure illustrations of monumental work issued by any Journal devoted to Monumental Art. The collection is invaluable for reference, embracing as it does not only original designs but a variety of suggestive features.

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George A. Douglas, Cincinnati, Ohio.—Inclosed find payment for MONUMENTAL NEWS, Photogravure Edition, a magazine which should be in the hands of every dealer who believes in securing a fair business profit.

Stewart Granite Works, Mannington, W. Va.—We regard THE MONUMENTAL NEWS, Photogravure Edition very highly. Do not leave us without it.

James L. Brown & Son, Abington, Va.—Please change our subscription from the Regular to the Photogravure Edition. We like the journal very much.

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THE MONUMENTAL NEWS.

A MONTHLY JOURNAL OF MONUMENTAL ART.

VOL. XIV. Chicago, June, 1902. NO. 6.

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Trade Conditions.

Cold and unsettled weather throughout the North and East in April and May has interfered with spring sales of cemetery monuments. Intending purchasers have delayed visiting the cemeteries as is quite generally the custom before placing orders and as a result much of the spring business from these sections will not find its way to the manufacturers until early summer. In other parts of the country business has been good and the opinion prevails that there is a large amount of work in the market which warrants the belief that despite the increase in the cost of certain granites a busy summer and fall will be experienced at manufacturing centers. This is assuredly true in regard to marble, granite and stone for building purposes, the demand for such material being very active this spring.

Memorial Day.

In thousands of cemeteries throughout the Union Memorial Day was fittingly observed, Friday, May 30, and impressive object lessons in practical patriotism given to young and old. Each year the ranks of the veterans are fewer in number and the day is not far distant when they will live only in memory. It will remain for the rising generation to perpetuate this annual observance, not only as a fitting memorial to the departed heroes of the great struggle of 1861--5, but as a means of inculcating lessons in loyalty to country in the youth of the land. While the day has come to be one of

recreation with many, especially in the larger cities and towns, it is nevertheless true and deeply significant that in these same places its proper observance enlists the earnest attention of large numbers of people who gather to pay tribute to their honored dead wherever Union soldiers are buried. In the South other days are observed for the decoration of Confederate graves, and always with impressive ceremonies. Probably the most noteworthy of the memorials dedicated on Memorial Day was the bronze statue of the late President McKinley at Muskegon, Mich., a gift to the school children of that city by its most public spirited citizen, Mr. Charles H. Hackley.

Protest Against the Western States should file a most vigorous protest at once with the freight agents of all the railroads

in his territory against the present unjust classification of finished marble and granite, and also earnestly protest against the recent action of the Western Classification Committee by which they propose to increase the freight rates 20 per ct. on all material that exceeds in value the restricted valuation under which it is shipped.

This ruling, although manifestly unjust to all marble and granite shippers, will go into effect after the July meeting of the Western Classification Committee, unless it is rescinded at that time. The most emphatic protests of dealers and shippers should be made with all of the railroads, eighty-five in number, that are represented by the Western Classification Committee. The fact of already having filed such remonstrance should not deter any one from doing so again. The agitation of this matter, especially with the smaller roads, is important at this time. The larger roads have, through some of their representatives, expressed a willingness to accede to the appeals already made to them. Mr. Pierce, and possibly others, will appear before the Committee at its July meeting, but as the marble and granite interest is but one of many that will have to be heard, the time allowed each will be very limited. It therefore behooves all who are interested to lose no time in communicating with the freight agents of the roads setting forth briefly a comparison of the old and new rates, and their effect on business.

Washington the Beautiful.

The commission of experts appointed by the government to prepare plans for the improvement and embellishment of Washington has presented its report and the plans, including models and some 200 drawings were displayed for public inspection in the

Corcoran Gallery on January 15. They contemplate a project of improvement on a magnificent scale, which if carried out in its entirety, the prospects for which are good, the result will be that Washington will unquestionably be the most wonderful capital in the world. Landscape art, architecture, and sculpture are given a large share in the general scheme, and the harmony which has prevailed between the congressional committee and the experts, and the general good will which has been evinced towards the project, have combined to produce results of far reaching public benefit. Never has the wisdom of selecting competent advice been more fully evidenced than in this work, and that in itself is a consummation most desirable in view of the several failures in the past. The report of the experts emphasizes the genius of L'Enfant, the man who under Washington and his Secretary of State first planned a comprehensive scheme for the development of the capital and its surroundings, and although the improvements which have been made have not in many respects coincided with the original intentions, the report declares that the harmonies can be restored with comparatively little work and expense. The plans now contemplate the restoration of the principles of harmony between the Capitol and the Public Buildings, the creation of beautiful vistas, the improvement of the sites of monuments, museums, etc., the laying out of parks and pleasure grounds, and the liberal provision of fountains, canals and water facilities so essential to a city situated as Washington is in respect to climate. There is to be a large increase in the number of parks in the outlying part of the city, and the river front and the adjacent islands are also considered in relation to the whole project. With the Capitol and its surrounding grounds as a base, the plans contemplate a design of harmonious details taking in the White House and Washington Monument, magnificent in extent and treatment, and this is to be extended to include a grand and artistic memorial to Lincoln worthy of the man and the country.

MONUMENTS AND MANTELS IN NEW YORK.

The returns of the twelfth census covering the state of New York, show that in the industry of manufacturing monuments and tombstones there are 408 establishments, under the firm management of 517 persons. The total capital engaged is \$2,773,945, of which \$481,555 is in land, \$331,851 in buildings, and \$287,739 in machinery and tools. There are, on the pay rolls 104 salaried employees to whom is paid \$88,436. The total average number of wage-earners is placed at

1,523 to whom wages are paid amounting to \$988,962. The miscellaneous expense of all these establishments is placed at \$201,279, and of the sum \$49,114 is for rent of works, \$10,635 for rent and taxes, and \$77,875 for rent of offices, interest, etc. The total cost of material used is \$1,865,997 of which \$20,790 is for rent of power and heat, and for fuel. The total value of the output is placed at \$4,018,349.

There are seven establishments where mantels, both slate, marble and marbleized are manufactured. The combined capital of these establishments is placed at \$603,042. Of this sum \$55,000 is in land; \$20,500 in Buildings, \$34,300 in machinery and tools and the remainder is in cash and sundries. On the payrolls of these establishments are 55 salaried employees to whom is paid \$56,361. In addition to these employment is given to 287 wage-earners to whom is paid \$204,251. The miscellaneous expense was placed at \$92,390, and the cost of material at \$250,832, while the total value of the output was placed at \$702,871.

A DECISION ON IMPORTS.

A decision of interest to importers has been rendered by the Board of General Appraisers in the case of G. C. Cochlan and A. S. Begg against the Collector of Customs at Port Huron, Mich. The merchandise covered by the protests consisted of painted cement figures, and was assessed for duty at the rate of 60 per cent ad valorem, as "earthen * * * statuettes, painted, tinted, * * * gilded, or otherwise decorated or ornamented in any manner." The importers claimed that the articles should have been classified as manufactures of plaster of paris, dutiable at 35 per cent ad valorem. Two or three months later the importers filed with the Collector a further notice in each case, stating that upon going further into the matter the protest should have classed the shipment as cement statuary, at the rate of 35 per cent ad valorem and not at 60 per cent, as charged by the Collector.

In the opinion of the Board this was an attempt on the part of the importers to amend their several protests so as to introduce a new and distinct claim which was not made in the original protests. The Board accordingly held that protests against decisions of Collectors of Customs, made in accordance with the customs administrative act of June 10, 1890, can not properly be amended more than ten days after liquidation of the entries to which they relate. The applications were denied and it was ordered that the original protests be placed on the suspended files to await the final determination by the courts of the question at issue.

Rochambeau Monument, Washington, D. C.

The monument illustrated on this page, erected in memory of Count Rochambeau, commander-in-chief of the French forces that assisted America during the Revolution, was unveiled on Lafayette Square, Washington, D. C., May 24, amid ceremonies of international significance. An official embassy from the French government, composed of distinguished civil and military representatives, and descendants of Count Rochambeau, was sent over on the French man-of-war *Gaulois* to participate in the dedication. The statue was unveiled by the Countess Rochambeau, and addresses delivered by President Roosevelt, Ambassador Cambon, Cardinal Gibbons, and General Horace Porter, United States Ambassador to France.

The statue stands at the southwest corner of Lafayette Square, and is a companion-piece to the monument to Lafayette, at the southeast corner. It is a replica in bronze of the one modeled by Sculptor Ferdinand Hamar, now standing at Vendome, France, and was purchased by an appropriation of Congress. The pedestal, which is made of Poitou French Granite, was also designed by Hamar, and made by F. Gaussen.

The monument consists of a finely proportioned pedestal, in the general form of a truncated pyramid, fronted by a symbolic group, and surmounted by the heroic-sized figure of Rochambeau. The great Field Marshal is shown in the full uniform of his rank, standing in a commanding position, directing the attack on the British lines. His right hand is outstretched, and in his left he holds a map.

The symbolic figure in front of the pedestal represents France and the Spirit of Liberty, holding aloft the crossed flags of France and America. Beneath her feet is the prow of a ship, suggestive of the force which France sent to the aid of this country. Below are linked together the arms of France and of the United States, including the eagle, and on the sides of the base are the coats-of-arms of the French nation and the Rochambeau family. The design throughout is admirably conceived and executed, and is everywhere suggestive of the ties of friendship between the two republics.

The cost of the statue was \$22,500, and Congress appropriated \$15,000 for the preparation of the site and the erection of the pedestal, and \$20,000 for the entertainment of the French visitors, who were the guests of the nation until June 1. They were given official entertainment, and visited West Point, Annapolis, New York and Boston during their stay.

The monument is 22 feet square at the base, and about 37 feet high. The material of the base and pedestal was all quarried in France, the base being of red granite, and the rest of the pedestal of Caen stone. The work of erection was done by J. F. Manning & Co., Washington, D. C.

The sculptor, Ferdinand Hamar, who was present at the unveiling, is a pupil of Barrias, and is a deaf mute. He is a native of Vendome, the birthplace of Rochambeau, and is about 30 years old. The statue of Rochambeau was first shown at the Paris Exposition of 1900, and won for the young sculptor an international reputation.



HAMAR'S STATUE OF ROCHAMBEAU, WASHINGTON, D. C.

Recent Work of Foreign Sculptors.

(Continued)

Rudolph Bosselt, of Darmstadt, is among the tablet specialists. He designed the tablet which was presented to the sculptors who exhibited successfully at the Darmstadt Art Show (No. 1).



TABLET FOR THE DARMSTADT EXHIBITION.
RUDOLPH BOSSELT, SC.

That Bosselt is a master in this field, is shown by his tablet of a girl playing the violin which has been much admired while it was on exhibition.

While the excavations for the new Opera Pia di San Paolo were being made at Turin, a well preserved bronze head of the Roman Emperor Tiberius was unearthed. While there is a slight greenish oxidation noticeable, the eyes, ears and head show that the Romans at that time were in the habit of gold-plating their bronze busts. The features of the head show a high perfection of art in those days. The head was found six metres below the surface. The fact that the neck is ragged, is taken as an indication that it was part of an entire statue. In 1559 a right bronze leg and a bronze horseshoe,

evidently from a pedestrian statue of Roman times, were unearthed in Turin. These objects are now in the Turin Museum of Antiquities. Some archaeologists are inclined to the view that the head just found, is part of that equestrian statue. Next to the head was found an Amor of white marble which when found had as pure white a color as the clearest of Carrara marble. The Amor was minus head, left arm, right forearm, left leg and right foot. Both finds will become the property of the Turin Museum of Antiquities.

The city of Berlin has just purchased for the sum of 40,000 marks Professor Ernst Moritz Geyger's statue of a "Bull." This work is perhaps the most successful specimen of animal sculpture of modern times. The artist modeled from life, a Tuscan bull, a fine standing model. That the



BRONZE TABLET BY RUDOLPH BOSSELT, DARMSTADT.

beast is absolutely lifelike, is proved by the following: A photograph of the bull was made from

life, another from Professor Geyger's statue; only the best connoisseurs can tell the two apart. Another of Professor Geyger's works, "The Archer," was purchased by the German Emperor for the Park of Sans Souci. The artist worked two years on the model of the bull which he finished at his Tuscan country seat.

Very few sculptors attain fame during their lifetime, but it is seldom that a truly great work of sculpture has to wait a century for proper recognition. Yet this is exactly what happened to Jose Gines, the Valencian sculptor, who just about a hundred years ago executed his "Child Murder at Bethlehem," which is now for the first time being made the subject of many favorable reviews in

Continental publications. Jose Gines was a favorite of Carlos IV. and one of that monarch's art pensioners. In the Prado Museum at Madrid is a Venus from his hands, and in the Royal Chapel where King Alfonso XIII. is to be crowned within a few days, is a group of Evangelists which Gines created for Carlos IV. A group above the Toledo Gate is also from this Spanish master. The group "Child Murder at Bethlehem" is owned by the San Fernando Academy of which Gines was a member. There is something bold, strong, about this group which brings out the realism of the scene depicted and which shows that Gines was a realist at a time when idealism was in full bloom.

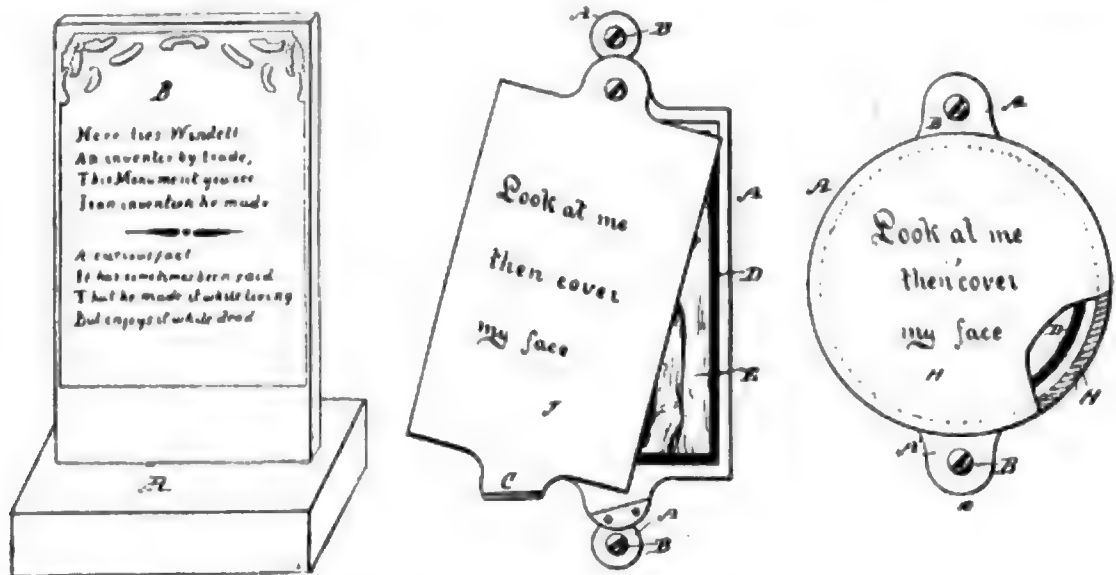
William Crawford Hirsch.

Some Curious Patented Devices.

In an article describing some of the curious inventions that have been patented, Joanna Kyle makes mention of the following in a recent number of the *Overland Monthly*:

One of the strangest was a "torpedo coffin," so arranged as to explode when disturbed and scare away the resurrection men from their unlawful work in the graveyards. Another invention provides for the possible revival of a corpse after in-

stone, in which may be preserved a photograph of the departed. The author of this appliance suggests that its cover bear some such inscription as, "Look at me, then cover my face," so that the picture may not remain exposed for any length of time. This is one of the many devices that have been introduced for the purpose of imbedding photographs in monuments. None of them have ever been used to any great extent, and the custom is



SOME PATENTED MONUMENTAL DEVICES.

terment by so arranging a simple cord passed over the hands of the deceased that the least movement will start the ringing of a little bell fastened in the top of the tombstone overhead. Devices for monuments to be used in cemeteries abound. One of these, shown in the illustration, consists of a small air-tight, water-proof compartment, fitted into the

gradually dying out.

An inscription presented by an inventor with his drawing of an appropriate tombstone which he wished to be erected above his own resting place that future generations might know that he was the one who originated the design, is shown at the left of the illustration.

A New Colorado Granite Quarry.

What promises to become the most important granite quarry in the western states has just been opened up on the line of the Colorado Midland railway within a few miles of the great mining camp at Leadville. Since 1886 the quarry has been operated in a modest way by a stone contractor who, limited in capital, knew no way of bringing his material into general use, and who allowed many quarries of lesser significance to take the lead in the state. A small sale was found through the state for monument work, the blocks being of the greatest value on account of their peculiar formation. Lynn S. Atkinson of Colorado Springs began the active development of the quarry and the

layers of from 6 to 36 inches and cut by nature into blocks as true as if by modern sawing machinery, ran back into the mountain fully a half-mile from its face where stratification was discovered. The wear of the weather had exposed the upper part of the deposit, allowing the easy location of the stratified formation thousands of feet in a straight line, and the blasting and examination proved that there was neither change in stratification, color, or quality of the granite as far back as the investigations progressed. The close resemblance of the stone to Barre granite resulted in the change of the name of the railroad station to Barre and the naming of the quarry, "Colorado Barre."



FACE OF THE QUARRY AT "BARRE, COL." SHOWING ALMOST PERPENDICULAR STRATA.

first building of any importance to be erected of the granite will be the new city hall of Colorado Springs, contracts for which are now under way.

Fourteen years ago the first block of stone was removed through a discovery of Mr. Fisher of the Colorado Midland, who was struck with the peculiar stratified appearance of a mountain past which the road was being built. The place was named Fisher. After that the quarry was allowed to go, almost unheard of until Mr. Atkinson recently began an investigation with the assistance of skilled granite men from the East. It was found that a pure gray granite of the most even quality, stratified into

Before considering the granite for construction of the new city hall, the Colorado Springs aldermen accompanied by the writer, photographers and expert granite men, made a visit to the quarry to examine into the amount and quality of the deposit. Wherever tests were made the stone was found to be an unusually fine grained bluish grey granite weighing 180 pounds to the cubic foot and retaining its color and quality in every stratum. The stratification extends with perfect regularity for 1500 feet to the east and west and the supply is only limited by the ability of the quarrymen to remove.

The process of quarrying the granite was pecu-

liar and interesting. An "alley" had been blasted back into the mountain a short distance and, working in this, the quarrymen drilled lines of holes in the natural bed of the perpendicular strata. Feathers and wedges completed the cutting, and then bars were adjusted and the blocks, perfect and ready for placing in the walls, were pried off in big layers. No blasting was found necessary, once the "alley" had been opened. The released blocks were hoisted by derricks and placed in the small cars ready for loading upon flat cars on the railroad below.

Tests and measurements showed that the natural beds of the released blocks were as true as if cut with saw or tooled off by hand. The variation in the thickness of stratified formations supported the claim that to follow building specifications, it would but be necessary to follow one or two of the layers of the required thickness, only using saw and tools

where necessary for special pieces.

A large block was brought into Colorado Springs for a polishing test and the polished surfaces showed the granite capable of taking a polish as high as that of French glass of the finest quality. Mr. Atkinson has already ordered heavy quarry machinery of the most approved kind, including saws for truing the quarried edges of the granite and for cutting special pieces. The railroad company has begun a system of tracks leading into the quarry and Mr. Atkinson is erecting buildings for his men and has applied for postal privileges for the station.

The Colorado Barre quarry lies almost at the head of the Arkansas valley in the most picturesque of scenic surroundings and as the formation is the only one of the kind yet found in the Rockies, the place will undoubtedly attract considerable attention.

John T. Burns.

Entasis and Diminutions of Classic Columns.

To the cultured eye many of the columns used from the classic orders in modern cemetery memorials are unshapely and unbecoming on account of not having a perfect and gradual diminution. Columns used by the ancients in imitation of trees, from which they derive their origin, were tapered in straight lines, so that the shaft was the frustum of a cone, but, finding this form abrupt and disagreeable, they made use of some curve, which springing from the extremities of the superior and

of these methods was most in use among the ancients and being the most natural, seems to claim the preference, though the latter has been almost universally practised by modern architects, from a supposition, perhaps, of its being more graceful, as it is more marked and strikingly perceptible. Vitruvius in the second chapter of his third book mentions this practice; but in so obscure and cursory a manner, that his meaning has not been clearly understood; and several of the modern architects intending to conform themselves to his doctrine, have made the diameters of their columns greater in the middle than at the foot of the shaft, as shown in Fig. 1.



FIG. 1.



FIG. 2.

Leon Baptista Alberti with several of the Florentine and Roman architects, carried this practice to a very absurd excess for which they have been justly blamed, it being neither natural, reasonable, nor beautiful. Alberti divides the height of the column into seven parts, and places the greatest swelling at the height of the third

inferior diameters of the column swelled beyond the sides of the cone, and this gave the most pleasing figure to the outline. In the specimens of antiquity the diminution is variously performed; sometimes beginning from the foot of the shaft, at others from one-quarter, or one third, of its height; the lower part being left perfectly cylindrical. The former

division of these parts from the base; so that he assumes the doctrine of Vitruvius by the strict letter, conceiving his meaning to be that the swelling is very near the middle of the height of the column.

Sir Henry Wotton, in his *Elements of Architecture*, says, in his usual quaint style, "And here

I must take leave to blame a practice growne (I know now how) in certain places too familiar of making pillars swell in the middle, as if they were sicke of some tympany or dropsie, without any authentique pattern or rule to my knowledge, and unseemingly to the very judgment, and sight," and indeed his saying is extremely just and founded on what is observable in the works of antiquity, where there is not a single instance of a column thicker in the middle than at the bottom, though all, or most of them have the swelling hinted at by Vitruvius, all of them being terminated by curves.

The following method of obtaining the true entasis of a column, is a discovery of Vignolas and, although it is less known than any other it will be easily comprehended by the illustration herein. Having therefore determined the dimensions of your column Fig. 2., (that is to say the height of the shaft, and its inferior and superior diameters) C and A, draw a line, indefinitely from C through D, at right angles to the axis of the column; this done, set off the distance C D, which is the inferior

semi-diameter and from A the extreme point of the superior semi-diameter to B a point in the axis, the interval C D. Then from A, through B, draw the line A B E which will cut the indefinite line C D at E; and from this point of intersection E, draw through the axis of the column any number of rays as E ba, on each of which, from the axis towards the circumference, setting off the interval C D, you may make any number of points a, a, a, through which, if a curve be drawn, it will describe the swelling and diminution of the column, and produce a most graceful contour.

The columns in the Pantheon, at Rome, accounted the most beautiful among the antiques are traced in this manner, as appears by the exact measures of one of them to be found in Desgotez's Antiquities of Rome.

In the remains of antiquity the quantity of diminution at the upper diameter of columns is various; but seldom less than one-eighth of the inferior diameter of the column, nor more than one-sixth of it.

Franklin L. Naylor.

Sculpture of Judith Gautier.

Mme. Judith Gautier, daughter of Theophile Gautier, the well-known French author, is one of the talented sculptors of France, and also shares honors as a writer with her distinguished father. She was characterized by Victor Hugo as a "marble statue inhabited by a star," works for the love of modeling, and is said to exhibit the utmost indifference as to what becomes of her creations.

She has been particularly successful in portraying female figures, and her women have been everywhere admired for their grace and beauty. The well-rounded, delicate modeling of these figures can be well seen in the accompanying illustration, which she has characterized as Dawn, or "The Birth of Day."

The other illustration shows a bust of her father, Theophile Gautier, which was recently unveiled at Tarbes, his birthplace. The strength and vigor of

other figure, and show the versatility of the sculptor's talent.

Some of her other works, which have attracted attention are as follows:

A dying Roland, busts of Wagner and Lohengrin, Victor Hugo on his deathbed, and an elaborately modeled design for a clock, which was exhibited at the Paris Exposition of 1900, and purchased by the French government.



DAWN, JUDITH GAUTIER, SC.



BUST OF THEOPHILE GAUTIER;
JUDITH GAUTIER, SC.

its rugged lines contrast strongly with those of the

Bronze Memorials at Philadelphia.

The Union League Club of Philadelphia has always closely identified itself with art and sculpture and more particularly so in relation to good work bearing upon matters of historical and patriotic interest. Next month its walls will be enriched by the addition of a handsome bas-relief memorial, the work of Sculptor H. K. Bush-Brown. This has been successfully cast at the Bureau Bros. foundry, at 21st and Allegheny Avenue where it was my privilege to inspect it before shipment.

This handsome memorial which is eight feet six inches by twelve feet six inches, is to record the brilliant services of the ten regiments raised by

ous and majestic with all the poetry and movement of war. The passing regiment, with colors flying and drums beating, is a conscientious piece of modelling, but the key-note of the sculptor's success is best seen in the vigorous appeal of the youth in citizens dress appealing for Arms. In all the lines and curves there is nothing obtrusive; it is like a finely painted picture wherein one views the nice proportions, and well grouped figures. Bureau Bros. deserve credit for the casting of the piece, which was entirely successful.

In one department of their foundry I watched the core being prepared for the heroic bust of our late President McKinley. This is cast for J. F. Manning & Co., of Washington, D. C., and is the work of C. W. Buhler, also of Washington. The bust will be erected at the Post Office in Baltimore, being a memorial subscribed to by the Post Office employees.

Carl Bitter's "Hubbard Memorial" is a life size figure of a woman sitting, bowed in grief, this is to be shipped to Montpelier, Vermont. Another figure claiming my attention, for its excellent proportions, and draperies, was the well-poised figure of an angel, the work of William Couper, of New York, a memorial to his mother.

In the finishing shop, the last few touches were being given to the bust of Thomas J. Powell, the work of Alexander Sterling Calder; this will be set within a bronze medallion, three feet in diameter, upon a black marble base, bearing the inscription.

In the chasing room the many parts of the heroic figure of Charles Grafly's General Reynolds, showed how successful had been the casting of the different parts of the huge anatomy.

A. G. Bureau, was at work upon a figure representing "Resurrection" a commission lately received by him as a memorial to Eleanor D. Witt, of Philadelphia. The theme is a simple one, representing a young and beautiful woman rising tip-toe upon the orb of life. This will be placed in Westminster Cemetery.

The latest competition, under the auspices of the Fairmount Park Art Association, is for a statue to be erected in the memory of Matthew Baldwin, the founder of the well known Baldwin Locomotive Works to be erected at Broad and Spring Garden Streets. Sculptors French, Herbert Adams, Grafly, Calder, and Murray have been invited to compete. The statue is to cost \$15,000. Under the terms of the competition the competitors will each receive \$500 as a reward for their models.

W. P. Lockington.



UNION LEAGUE MEMORIAL TABLET, PHILADELPHIA.

the efforts of the Union League. On the right and left entablature between the pilasters and columns, the members of the regiments are recorded together with the names of the officers commanding; while in the base panel is set forth the legend.

"In commemoration of the Regiments recruited, and the patriotic services rendered. During the War of the of the Rebellion by the Union League."

As will be seen from our illustration Sculptor Bush-Brown has happily rendered a theme vigor-



THE MASURY MONUMENT, MORICHES, LONG ISLAND.

The memorial seen in the above illustration was recently erected on the estate of the late John W. Masury, of New York, at Moriches, Long Island, overlooking Moriches Bay and the Ocean. The inclosure and monument are constructed of Barre granite. The former is 36 feet square, with

bronze entrance gates on each side, and seats cut into the inner side of the granite walls. The monument rises from a base 9-0 x 6-0 and bears on the face of the die the family name. The memorial was designed and executed by the Harrison Granite Company, of New York.

PORTLAND CEMENT.

The following facts concerning Portland cement and its manufacture in Michigan are taken from the Annual Report of the United States Geological Survey now in press:

The total consumption of Portland cement in the United States during the year 1900 was between 10,000,000 and 11,000,000 barrels, and the amount manufactured was nearly 8,500,000 barrels. It would seem, then, that Michigan is preparing to supply a demand which does not appear to exist as yet, and as there is a similar activity in this same direction in several other States, it would appear to be evident that the Portland cement industry is in a speculative stage.

Portland cement is an artificially prepared substance which has the property of hardening in the air or water when mixed with the suitable proportion of water, and of remaining hard when immersed in water. In its manufacture, a mechanical mixture of finely pulverized limestone or marl and clay or ground shale is calcined, or burned, as the common expression is, and the resulting clinker is ground to a fine powder. This is the Portland cement of commerce. In addition to the raw materials, which enter directly into the composition of Portland cement, fuel is necessary for burning them. For this purpose, in upright kilns crushed coke is generally used; and in the rotating kilns a jet of gas, of petroleum, or of finely pulverized coal is forced in by means of an air blast. The type of kiln now almost universally used in America consists of a steel cylinder about 60 feet long and 6 or 7 feet in diameter, lined with refractory material. These furnaces are rotated rapidly in a nearly horizontal position. The cement is manufactured by what are known respectively as the "wet" and the "dry" processes. In the wet process the finely ground limestone and clay

are mixed with about 60 per cent of water, and this "slurry" is caused to flow into the higher end of the rotary kiln in a small stream. In the dry process the "slurry" is only sufficiently moistened to prevent it from being blown away as dust. As the "slurry" travels down the cylinder, it is raised to a white heat; and the resulting clinker runs from the rotary in a continuous stream of white-hot pellets, which, after cooling, are ground to a fine powder. The cement as it comes from the grinding machines, is of such fineness that from 90 per cent to 98 per cent of it should pass through a sieve having 100 meshes to the inch. It is then ready for use, but usually improves with age.

Portland cement is used in making the foundations for lighthouses, piers, abutments of bridges, for linings of cisterns, and for many other purposes, and a growing use is in the construction of buildings, and especially of dwellings.

The Portland cement industry has had a favorable development in Michigan in the last few years. The Bronson and Peerless Portland cement companies began operations in 1897, and by May, 1901, 10 factories were producing cement, and 6 others were in process of construction. The capacity of the 10 plants now built is about 2,400,000 barrels of cement per annum. The capital stock of all the Michigan Portland cement companies now organized is about \$25,000,000, and their estimated capacity is, approximately, 8,600,000 barrels of cement per year.

The raw materials which enter into the composition of Portland cement thus far used in Michigan are limestone, marl, shale, clay, gypsum and fuel. One of the limestones used is the Dundee limestone, extending in a belt from about 2 to 9 miles wide northeast and southwest across Wayne, Monroe and Lenawee counties in the southeastern corner of the State.

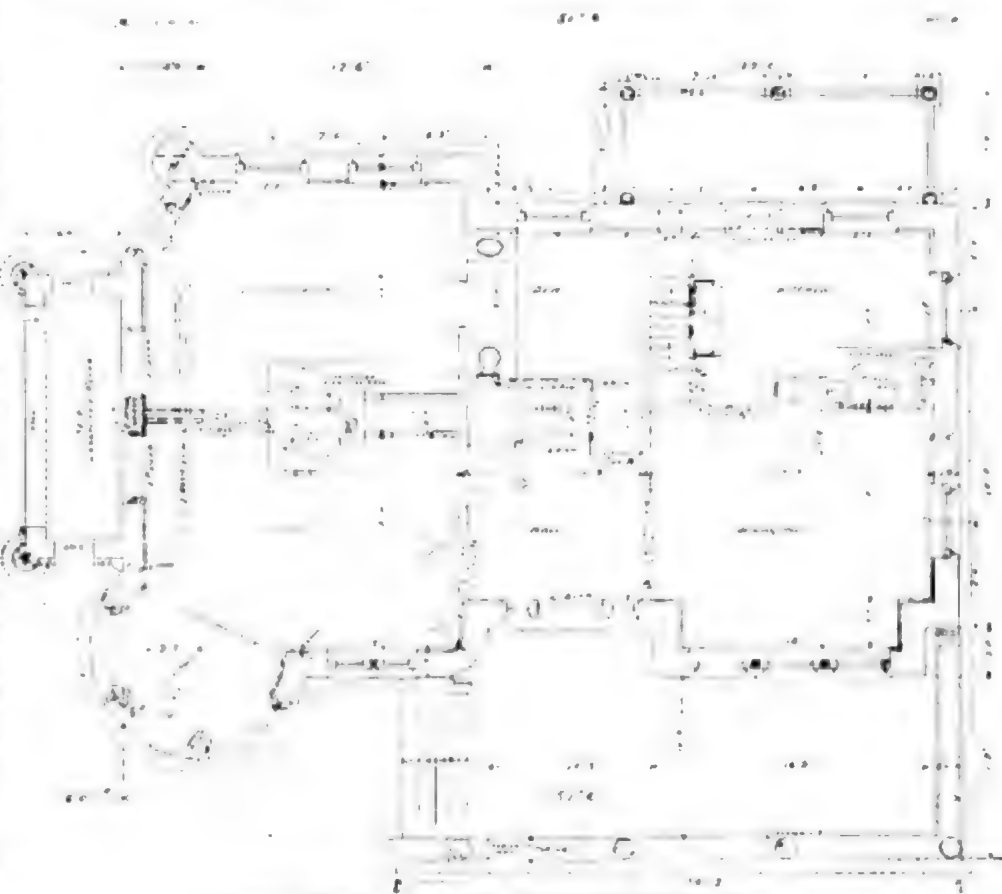


OFFICE AND SUPERINTENDENT'S RESIDENCE, EASTON CEMETERY, EASTON, PA.

A NEW CEMETERY BUILDING.

The illustrations on this page show exterior view and ground plan of the handsome building used as office, waiting room and dwelling for the superintendent of Easton Cemetery, Easton, Pa. It is built of brown stone, with gray stone trimmings and stands on an elevation, affording a clear view of the city and of the cemetery. The interior finishings are of hardwood, and the building is furnished with every convenience for its patrons and the superintendent. The arched entrance leads to the waiting room and office, and the tower corner is also connected with the office.

W. M. Michler was the architect.



GROUND PLAN OF EASTON CEMETERY BUILDING.

Mines and Metallurgy Building, St. Louis Exposition.

The Mines and Metallurgy Building forms part of the east wing of the fan like general ground plan of the St. Louis Exposition of 1904 and is the last building on the south side of the avenue leading to the Government Building, which stands on a higher level. It will have a rich back-ground of hillside foliage toward the south.

Considered in the general scheme, it plays an important part in the spectacular display of the Fair and for this reason no attempt has been made to force attention to it by such means as towers, domes, or similar architectural devices.

The outside dimensions are 525 by 750 feet, and at the intersection of the two principal arcades through the main axis a colonnaded rotunda is

operations in symbolical representations, the background to the sculptured figures being of a rough golden colored glass which will be illuminated at night and show the figures in silhouette. The figures are more than life size. As a building for housing Exposition exhibits it was argued that it should express externally as much friendly dignity as would be compatible with its ephemeral character; that it would be incongruous however, to disguise its ephemeral character by the garb of severe classic forms which we associate with the most lasting architectural monuments of antiquity; and that, furthermore—being a part of the greatest exposition ever attempted— It undoubtedly should be novel, striking and full of life.



MINES AND METALLURGY BUILDING, ST. LOUIS EXPOSITION.

shown with an appropriate monument. The ground floor will furnish an exhibition space of about 265,000 square feet and about 150,000 square feet may be gained by the introduction of galleries. A subdivision of the exhibit space into numerous alcoves for each classification is suggested. The walls of the building are set back from the facade 18 or 20 feet, forming a covered loggia which surrounds the entire building.

The facade of the Mines and Metallurgy Building may be likened to a screen bearing the same relation to this structure as do the colonnades of the adjoining buildings to their structures. The base of the screen consists of sculptured panels illustrating in bold relief mining and metallurgical

The style of architecture which it represents has been a source of much speculation. "Some have attempted to classify it as an example of the 'nouveau,'" says Mr. Theo. C. Link, the architect of the building, "but when I recently noticed an English art critic say, in protesting against its invasion of Great Britain; that this 'Nouveau art' is 'a malady' the pernicious virus of which becomes more acute the farther it travels, I feel a strong personal solicitude for a properly conducted baptismal ceremony. Let us, therefore, name it Secession Architecture, which means architectural liberty and emancipation with a strong plea for individuality. It is a breaking away from conventionality in design; it is more an architecture of feeling than of formula.

♥ ♥ Memorial Tablet to Eli Whitney. ♥ ♥

A bronze tablet in memory of Eli Whitney, the inventor of the American Cotton-Gin is to be placed on the home of the Eli Whitney Country Club, at Rocky Creek, near Augusta, Ga. The tablet is the work of Cyrus E. Dallin of Boston, and bears an alto-relievo portrait of Whitney, surrounded by a wreath of cotton-bolls.

At the lower left hand corner of the tablet is the seal of the New England Cotton Manufacturers' Association, which body erected the tablet, and has appointed a Board of Trustees for the perpetual care of the memorial. In the right hand corner, corresponding to the seal on the left is a disc, bearing a representation of the original model of the cotton-gin made by Mr. Whitney.

The illustration is furnished by courtesy of Mr. Charles H. Fish, Dover, N. H., President of the New England Cotton Mfr's Association.

A deed of trust for the care of the tablet was drawn up by the Cotton Manufacturers' Association at their meeting at the Pan-American Exposition to keep the tablet on the grounds of the Eli Whitney Country Club, an organization devoted to perpetuating his memory, as long as the club shall continue to be devoted to this purpose. The Board of Trustees appointed for this purpose are empowered to remove the tablet to some public building in the city of Augusta in event of the dissolution of the Country Club. The funds were provided from individual subscriptions by the members of the Association.



Canada's Mineral Production.

The United States consular reports show that the total mineral production of Canada for 1901, according to the preliminary statement of the geological survey, was valued at \$69,407,031, of which \$42,834,000 were metallic, and \$26,282,000 non-metallic. Gold, as a result of the Yukon discovery, occupies the first place with \$24,462,222, or more than a third of the whole, and coal with a value of \$14,721,122 comes next.

⌋ The total value of structural materials and clay

products amounted to \$6,461,261, divided as follows: Building material, including bricks, building stone, lime, tiles, etc., \$4,820,000; cement, natural rock, \$94,415; cement, Portland, \$535,615; granite, \$155,000; pottery, \$200,000; slate, \$9,980; sands and gravels, \$117,465; sewer pipe, \$250,115. The figures of production for cement represent the sales and shipments only. About 70,000 barrels remained in stock at the close of the year.

Sculpture.

MR. VINNIE REAM HONIE is modeling a portrait bust of Governor Ramsey of Minnesota, for the new capitol at St. Paul.

THE Paris salon opened on May 1. There are this year 4,263 exhibits, of which 1,680 are oil paintings by 1,207 painters. Of these seventy-two are Americans—forty-eight men and twenty-four women. There are about 500 less exhibits this year than last.

GEORGE WADE, the English sculptor has recently completed a statue of King Edward, the first portrait in stone to be made of the King since his accession. The marble figure was made from many sittings given by the King and is said to be an excellent likeness. It shows him standing erect dressed in his crown and robes of state and holding his scepter in his hand.

F. WELLINGTON RUCKSTUHL, has just completed a bronze group "Spirit of the Confederacy" for the Confederate Soldiers' Home and Cemetery at Higginsville, Mo. The group is 13 feet high, and represents a dying soldier, reclining in the arms of Fame, who holds aloft the crown she is to place on his head. It is also suggestive of the devotion and service of the southern women.

JULES DALOU, the well-known French sculptor, died April 15 of heart disease, immediately after completing a monument to Gambetta to be erected at Bordeaux. He was born in 1838, and first exhibited in the Salon in 1867, obtaining a medal in 1870. During the Commune he was in exile for political reasons, but after the amnesty of 1879 returned to Paris, and in 1883 won his greatest triumph by the exhibition of his two masterpieces, the statue of Mirabeau for the Palais Bourbon, and "The Triumph of the Republic."

GUSTAV EBBERLEIN has recently completed a marble statue of Goethe, which the German emperor has presented to the City of Rome. He represents Goethe as a youth during his visit to Italy, wearing knee breeches and the costume of the end of the eighteenth century. The statue and pedestal will stand about twenty feet high. Around the pedestal will be three groups of Mignon and the Old Harper, Orestes with the Furies and Faust with Mephistopheles, representing lyric poetry, tragedy and philosophy respectively.

CHARLES A. LOPEZ, of New York, is to conduct a summer school of sculpture at Montpelier, Vt., during the months of July, August, and September, designed especially for granite and marble cutters. The work is to be under the auspices of the Wood School of Art, and is the result of the efforts of the Art Association of Montpelier, which has been maturing the plans for the past year. About 125 people have already joined the association, and there is every prospect of a successful season. Detailed information can be found in the announcement of the school in our advertising columns.

WILLIAM ORDWAY PARTRIDGE, whose statue of Nathan Hale is soon to be unveiled on New Haven Green, New Haven, Conn., has been led to write an appreciation of the Revolutionary hero, which has recently appeared as "Nathan Hale," published by the Funk and Wagnalls Company, New York. The book is illustrated with a number of different views

of the statue, and drawings by W. R. Leigh. One of the most interesting of these is a mask of a typical Yale student, used by Mr. Partridge in modeling the statue which is an ideal conception, no portraits of Nathan Hale being extant.

THE competition for the McLellan statue to be erected in Washington, D. C., at a cost of \$60,000 closed May 1, and the advisory commission for the selection of a model, composed of Messrs. McKim, St. Gaudens, and French, has selected as the four models of greatest merit, those presented by the following sculptors: Charles H. Niehaus, Waldo Story, Austin Hays, and Ferdinand Piccirilli. By the terms of the award, each of these sculptors will receive \$500 for his design, and the commission has advised a further competition between the successful four, each of them to receive \$1,000 for the new models presented.

ANTONIN SKODIK is to be the instructor in sculpture at the summer school conducted by the Art Students' League of New York during June, July, August, and September. The annual exhibition of the work of the members and instructors of the League was held May 9th to 11th, and the scholarships and prizes given to its students, and to the pupils of art academies throughout the country, were awarded. Pupils of fifteen art academies competed for the free scholarships offered by the League, which are now open to all art schools and art departments of colleges, instead of being confined to certain selected ones as heretofore.

DANIEL CHESTER FRENCH has been commissioned to model the monument to Col. James Andrews, to be erected in Allegheny, Pa., as the gift of Andrew Carnegie. Mr. Andrews was the founder of free libraries in Allegheny, and is said to have inspired Mr. Carnegie to his gifts in that direction. The memorial is to stand in front of the Carnegie Library, and will consist of a bronze bust of Mr. Andrews, mounted on a pedestal flanked by wings extending to a width of twenty feet. In front of the pedestal will be a bronze figure of a workman, reading. The monument will cost about \$50,000. Mr. French also has the commission for the memorial to the late Governor Roger Walcott, to be erected near the State House in Boston.

THE accompanying illustration shows a design for a clock, modeled by Judith Gautier, the well-known French sculptor and writer. It was exhibited at the Paris Exposition in 1900 and later purchased by the French government. The female figures, well grouped in graceful attitudes about a sphere, symbolize the twelve hours of the day, and each one is engaged in some occupation appropriate to the hour. Some are represented as eating and drinking; some are reading, meditating or applying themselves to some form of occupation, and some are sleeping or thinking of love.



Bronze Tablet for the Steamer St. Paul.

The bronze tablet shown in the illustration was recently presented by the Commercial Club, of St. Paul, Minn., to the American liner St. Paul in commemoration of the vessel's service as scout and cruiser during the Spanish War. The panel is three feet long by two feet wide, and was modeled by Miss Edith Ogden, of the Corcoran Art School, Washington, D. C.

The design portrays a battle scene in which the American cruiser is shown in conflict with the Restormel and the Terror in the harbor of San Juan. The scene is authentic, and follows a sketch made by Captain Sigsbee, the commander of the St. Paul. Trophies suggesting the war and its tropical setting form a border of the panel, and the inscription gives the cruiser's record while in commission. The unveiling was attended with military ceremonies, including an address by Captain Sigsbee.

On the bronze plate accompanying the tablet is this inscription:

"This tablet commemorates the services of the American Liner 'St. Paul' while commanded by Capt. Chas. B. Sigsbee, U. S. N., formerly Captain of the United States Battleship Maine. It was designed by Edith H. Ogden of St. Paul, Minn., and cast by students of the St. Paul Mechanics Art School. The metal used was taken from Spanish guns and from the sunken U. S. Merrimac and Spanish vessels, namely: Restormel, the Terror and the Maria Theresa. It was recast by the Roman Bronze Company of New York.

Presented by the Commercial Club of St. Paul, Minn., and here installed March 11, 1902.

The winds and the waters conspire
To spread her invincible name."

The St. Paul was commissioned April 20, 1898, under the command of Captain Sigsbee, and bore an important part in a number of the decisive bat-



BRONZE TABLET FOR THE ST. PAUL, MISS EDITH OGDEN, SC.

tles of the Spanish war. It was the first vessel to reach Santiago, for the battle with Cervera's fleet, and captured the Spanish collier Restormel. In the blockade of San Juan the St. Paul was attacked by the cruiser Isabel II, and the torpedo destroyer Terror, and vanquished them both. The Terror lost five killed and wounded, and sunk on arrival in the harbor.

MONUMENTAL NOTES

The great soldiers' and sailors' monument at Indianapolis, which has been in process of erection for the past 13 years, was unveiled with elaborate ceremonies during the month of May. It rises from a broad, spreading base 263 feet high, and embodies many sculptured groups and figures. The memorial cost \$600,000, and has been illustrated and described in previous issues of the MONUMENTAL NEWS.

The naval monument in memory of soldiers and sailors who participated in the Battle of Manila, is now in course of erection in Union Square, San Francisco, after designs by Architect Newton J. Tharp. The monument consists of a tall column, surmounted by a pure Corinthian cap, on the top of which stands a bronze statue of Victory. The base is quadrangular in form, and at each projection is the figure of a California bear. The surmounting figure of Victory is to be of colossal size, and is now being cast by the Jno. Williams Bronze Foundry, New York.

A bronze statue, heroic size, of General Fowler, who commanded the "Fighting Fourteenth" Regiment, of New York, during the Civil War, was recently unveiled in Fort Greene Park, Brooklyn, which was a part of the battlefield of Long Island in the Revolutionary War. The statue represents General Fowler standing, cap in hand, looking out as if in survey of the field of battle. The statue was unveiled by General Fowler's grand-daughter, Mrs. Ethel Moody. Mayor Low delivered the oration of dedication in the presence of a large crowd.

A resolution appropriating \$25,000 to assist in the erection of the memorial to President McKinley in Columbus, Ohio, has been passed by the Ohio Legislature. The sum of \$20,000 has already been subscribed by citizens of Columbus, and the appropriation from the Legislature is to be available on condition that \$25,000 is contributed by them. The memorial is to stand on Capitol Square, and the plans are to be approved by the Governor, Auditor of State, Secretary of State, and a Committee of citizens. The state appropriation is to be payable February 15, 1903.

A monument has just been erected to the memory of the gypsy queen and other gypsies who are buried in Oak Hill Cemetery, Evansville, Ind. The gypsies of the United States regard Evansville as their headquarters, and a few years ago when their queen died at Dayton, O., her remains were brought here for burial, and over 5,000 gypsies from various parts of the country came here to attend the services. Since the death of the queen several others of the tribe have died and been brought here for burial. When the queen died, her wagon, in which she traveled, as well as all of its belongings, was burned, according to the gypsy custom, and the ashes scattered on her grave.

An elaborate mausoleum is to be erected in Budapest to the Hungarian patriot Kossuth who died in 1894. The sum of \$475,000 has been collected for the purpose, of which \$150,000 is to be used for the mausoleum proper, and the remainder for a statue to be placed in one of the public squares. A prize of \$3,000 was recently awarded for the best design for the mausoleum to architect Gerster and sculptor Alois Strobl. The design shows a double terrace erected upon stone foundations.

The sarcophagus, containing the remains of Kossuth, rests on the pediment of a structure surrounded by pillars in the doric style, which give the upper part of the structure the aspect of a temple. A sculptured presentment of Kossuth is seen in half lying, half sitting posture on the sarcophagus. The roof of the temple carries the figure of a gigantic lion.

The monument shown in the illustration was unveiled May 21 in Arlington Cemetery, Washington, D. C., by the National



Society of Colonial Dames in memory of soldiers who fell in the Spanish-American war. The shaft is one of the most attractive in the National Cemetery. It is forty feet high, and is surmounted by a cannon-ball, encircled by an inscription bearing the words "In God We Trust." On top of the ball is a bronze American eagle with outstretched wings. The unveiling ceremonies took place in the presence of 500 veterans of the Spanish war, and a large gathering of citizens. They were of a military character, under the direction of Major General Brooks, and included addresses by representatives of the Colonial Dames, General Schofield, and President Roosevelt. The monument is a plain, imposing shaft, and has been viewed by thousands since its unveiling. The only decorative features are an elaborately carved Corinthian capital, surmounting the shaft, forming the support for the surmounting cannon-ball, the bronze tablet bearing the inscription, and four cannon-balls placed one at each corner of the base.

The Kimberly Siege Memorial to be erected in Kimberly, South Africa, as a memorial of the siege of Kimberly was founded by the late Cecil Rhodes. The design shows an elaborate structure, consisting of a tomb surmounted by an open-columned temple of Grecian design, somewhat resembling the Nereid Monument built on the shores of Asia Minor by the Greeks. The bodies of the soldiers who fell in the battle are to be exhumed from the cemetery, and buried in large domed vaults in the base of the tomb. Standing on the steps leading up to the monument will be the gun "Long Cecil" made during the siege. Behind it will be a bronze tablet to the designer and maker, Mr. Labram, who was killed. Around the gun will be a railing composed of shells and a bronze chain. One of the other three sides will be occupied by a solid bronze door leading to the staircase, another with a bronze tablet containing the names of those who are buried within, and along the four sides there will be cut in the stone the following verse, written by Rudyard Kipling.

This for a charge to our children in sign of
the price we paid.

The price that we paid for freedom, that
comes unsoiled to your hand.

Read, revere, and uncover, here are the
victors laid.

They that died for the city, being sons of
the land.

The site is on the crown of the hill on which Kimberley stands. The ground round it used to be waste land, but during the siege Mr. Rhodes occupied himself in laying it out in roads and planting avenues. The monument will stand in the centre where four roads meet.



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PROPOSED MONUMENTS

Washington, D. C. By Senator Foraker. A bill appropriating \$30,000 for the erection of a memorial building or monument at Fort Recovery, Ohio, where lie the remains of General Richard Butler, 630 American soldiers and 61 officers who were killed by the Indians on November 4, 1791.

The bill appropriating money for the erection at Fredericksburg, Va., of a monument to the memory of General Hugh Mercer, which it was ordered by Congress on April 8, 1777 should be erected, has been reported by the House Committee on the Library, with an amendment. The amendment changes the appropriation from \$50,000 to \$25,000.

President Roosevelt has approved the joint resolution of Congress granting permission to the G. A. R. to erect a statue in Washington to the memory of the late B. F. Stephenson, founder of the G. A. R.

The Senate Committee on the Library has reported the bill for the erection of a statue of Commodore John D. Sloat in Monterey, Cal. The bill carries with it an appropriation of \$10,000.

The Committee has also reported favorably the Senate resolution authorizing the appointment of a commission to select a site upon Government property in Washington, D. C., for the erection of a statue in bronze of the late Henry W. Longfellow, to be provided by the Longfellow Memorial Association, and appropriating \$4,000 for the preparation of the site and the erection of a pedestal on which to place the statue.

The Senate Committee on Military Affairs have submitted an adverse report on the bill to establish a national park and to erect a peace monument at Appomattox, Va.

The President has approved the bill appropriating \$500 for the purpose of marking the site of the Phil Kearny massacre.

By Senator Foraker. A bill appropriating \$50,000 for the erection of a monument in Washington, D. C., in memory of those who lost their lives in the explosion of the steamer Sultana on April 27, 1865, near Memphis, Tenn.

By Senator McMillan. A bill appropriating \$20,000 for the purchase of a replica of the bronze equestrian statue of General George Washington designed by Daniel Chester French and Edward C. Potter, erected in Paris, France, by the women of the United States. The statue will be located in Washington, D. C.

The Senate has passed the bill appropriating \$25,000 to provide a commission to secure plans and designs for a monument or memorial to the memory of Abraham Lincoln. The bill is now pending in the House of Representatives.

President Roosevelt has signed the joint resolution granting permission for the erection of a monument in Charlotte, N. C., for the ornamentation of the public grounds in that city. The Shipp Monumental Committee will erect a monument in Charlotte in honor of the late Wm. E. Shipp and present it to the people of the United States.

The Committee on Ways and Means has recommended the passage of the joint resolution to admit free of duty the replica of the bronze statue of Rochambeau, to be erected in Washington, D. C.

Boston, Mass. The Legislative committee on the State House has favorably reported a resolution appropriating \$10,000 for a marble statue of John Hancock to be placed in Doric Hall.

Richmond, Va. A bill has been introduced in the Legislature appropriating \$50,000 for the erection of a monument to General Hugh Mercer at Frederickburg.

Lincoln, Neb. There is a movement on foot to erect a bronze statue to the late J. Sterling Morton. The plan is to place the memorial in Morton Park, which was named after the late Secretary.

Cambridge, O. A soldiers' monument is planned for erection in the Court House square in this town during the coming summer. The expenses are to be defrayed by taxation and the proposition is soon to be submitted to popular vote.

Elizabeth, N. J. A soldiers' and sailors' monument is to be erected at Elizabeth at a cost of \$10,000, \$3,000 of which has already been subscribed. A committee of 100 is at work raising the funds, and the work of erection is expected to begin this summer.

Caldwell, N. Y. This town has provided the site for a bronze and granite memorial to the heroes of the Colonial Wars. It is to consist of a granite shaft thirty feet high, surmounted by bronze statues of Sir William Johnson and his Indian ally, King Hendrick, who was instrumental in the defeat of the French by the American forces in 1754.

Wallington, Conn. A committee has been appointed to select a design and site for the soldiers' monument to be erected in this town. Arthur H. Dutton Post, G. A. R. has charge of the work and now has funds amounting to \$1,200. It is intended to raise \$2,800 more, and to erect a monument of Westerly granite, 18 feet high, surmounted by the statue of a soldier at parade rest.

Princeton, N. J. The Legislature has passed the bill appropriating \$15,000 toward the erection of the monument to mark the site of the battle of Princeton. A like sum is to be raised by popular subscription, and it is expected that congress will appropriate an additional \$30,000 making the total cost \$60,000. The site selected is at the corner of Nassau and Mercer streets, opposite the Princeton Inn.

Spencer, Ind. The Daughters of the American Revolution are to erect a monument to the Revolutionary soldiers buried in Owen county, in Riverside Cemetery in this town. The design will embody a cannon which has been promised by the Government. This is to be mounted on a substantial stone base, either in a perpendicular position, with a ball on the muzzle, or placed on an imitation carriage.

Buzzards Bay, Mass. A movement is well under way for the erection of a memorial to Bartholomew Gosnold, one of the early settlers of Massachusetts. It is to consist of a shaft 60 feet high, made of the rough field boulders found on Gosnold's Island, the site selected for the memorial. The shaft is to be 18 feet in diameter at the base and will contain an interior chamber, nine feet in diameter. False windows are to be built into the walls at intervals along its entire height. The plans are by Nat C. Smith, of Boston.

Middleburg, Pa. A soldiers' and sailors' monument is to be erected at Middleburg at a cost to the county of \$10,000. The plans provide for a monument 18 feet square at the base, 48 feet high and containing a room 12 by 12 by 12½ feet. The terrace upon which it is to stand will be fifty feet square. On each corner will be planted a cannon. Life sized statues of President Lincoln and Governor Curtin will be placed on the right and left sides. The State coat-of-arms and Angel of Peace will adorn the rear of the monument. In the centre of the room will be a large glass case with apartments corresponding with the number of each Grand Army post in the county, in which will be lodged the records and relics of each post. The plans are by architect J. F. Stetler, of Middleburg.



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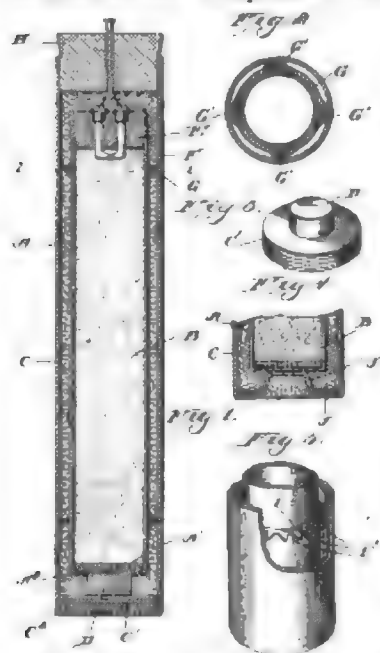
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A SAFETY BLASTING CARTRIDGE.

This cartridge has the blasting charge in an inner receptacle which is inserted within an outer receptacle filled with a fire extinguishing agent, so that the blasting charge is entirely surrounded by a liquid or gas adapted to smother the flame arising from the explosive. Figure 1 is a longitudinal section, Fig. 2 is a section on the line 2-2 of Fig. 1. Fig. 3 is a perspective of the plug for closing the lower end of the outer receptacle. Fig. 4 is a vertical section of the lower portion of the outer receptacle, showing a modified form of the plug. Fig. 5 is a perspective view of a portion of the outer and inner receptacle, the outer receptacle being broken away to show the modified form of the separating-band made of card board and designed to hold the inner and outer receptacle at a distance from one another.



SAFETY BLASTING CARTRIDGE.

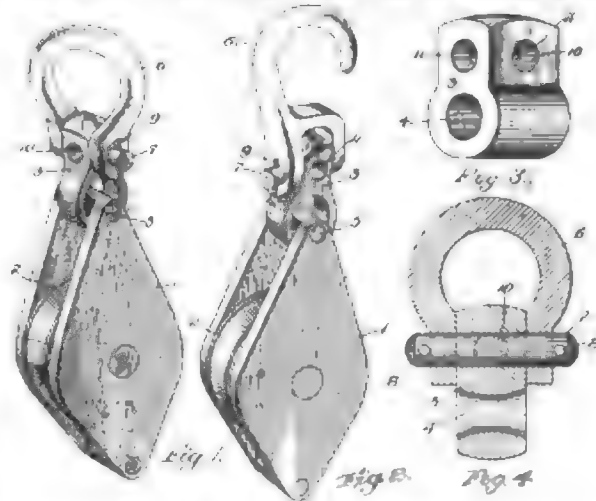
In the illustration A represents the inner tube or receptacle, which is adapted to contain the explosive B and this constitutes the cartridge. C is the outer receptacle, in which the cartridge is inserted. The upper end of the tube A of the cartridge is closed by a cork B or plug of other suitable material after the explosive has been inserted, and through this cork projects the igniting device F, which may be of any construction, but being preferably an electric sparker, or a fuse. Both the inner receptacle A and outer receptacle C are immersed in a paraffin or waterproofing solution after the plugs A' and C' and the block D are secured in place. This makes the tubes or receptacles absolutely impervious to dampness. The advantages claimed for the invention are the construction of the cardboard receptacles, which are waterproof and cheaply made, and the bands which provide an effective device for holding the two receptacles apart.

(Patent No. 691,367, by Thos. F. Durham, Philadelphia, Pa.)

AN IMPROVED PULLEY-BLOCK.

This invention has for its special object the production of a pulley block which can be utilized as either a straight block or cross block, as desired, be readily converted from either condition to the other without removal of the shackle from any connection with which it may be in engagement. In the drawings, Fig. 1 is a perspective view of the block when provided with a shackle. Fig. 2 is a similar view of the block arranged as a cross-block and provided with a hook instead of a shackle. Fig. 3 is a perspective view and Fig. 4 a cross-sectional view of the hanger, together with the shackle and connecting-pin, when connected to form a straight block. The principal parts of the invention are a shell, 1, of either metal or wood; a sheave, 2; and a shackle, 6, which may be replaced by a hook as at 61 in Fig. 2. The hanger is provided with means for receiving

the shackle or hook in different positions through openings in the hanger, usually at right angles to each other to receive the pin, 7. In order to transform the block from either condition to the other it may be effected by removing one of the keys 9 from the pin 7, withdrawing the pin from the opening in the



AN IMPROVED PULLEY-BLOCK.

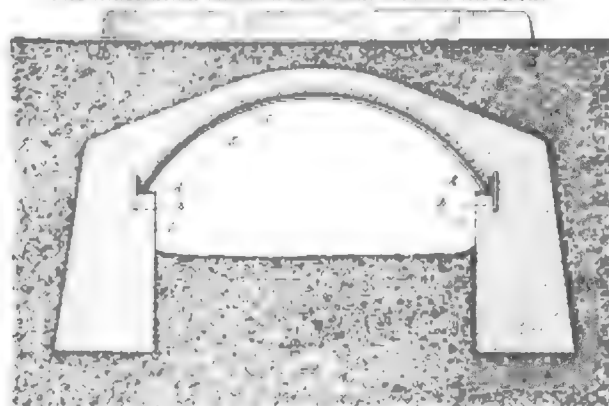
hanger in which it is located and removing the shackle or hook from the hanger. Then the shackle or hook will be applied to the hanger at right angles to its first position, the pin 7 being inserted so as to pass through the second opening in the hanger and the key 9 being replaced in the proper hole 8.

(Patent No. 691,402, by James B. Roney, Essex, Mass.)

CONSTRUCTING AN ARCH.

This invention relates to improvements in the construction of small arch bridges, culverts, and the like, the object being to provide an arch for such structures of simple construction, durable, and cheap.

The illustration shows a sectional view of the arch.



CONSTRUCTION OF AN ARCH.

Referring to the drawing, 1 designates the abutments, on the upper portions of which are placed the angle-irons or skew-back bearings 2 to receive the ends of the arch-plates 3. In the construction of the arch dowels 4 may be placed in the material rearward of the angle-irons, so as to prevent any possible displacement of angle-irons during the construction. The plates 3 are of any suitable thickness, and to provide for a considerable strength with comparative lightness the plates are corrugated

(Continued on page 372.)

Blue-White Westerly Granite.

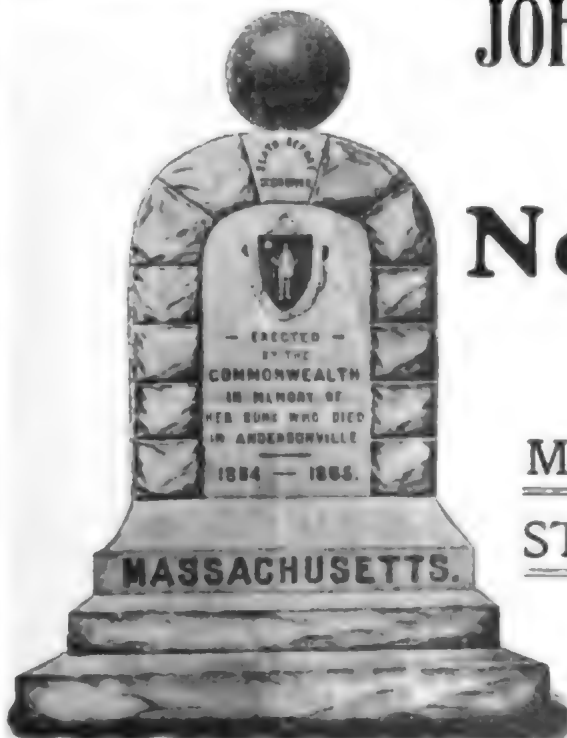
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FAST LETTERING.

We have received from Robert E. MacKellar, with E. L. Goodwin, Portland, Mich., a fac-simile of an inscription of twelve letters, $3\frac{1}{2}$ inches high, and raised $\frac{1}{4}$ of an inch, which was cut in Hardwick granite in ten hours without the aid of the pneumatic tool. He writes that he easily cuts eight letters of this size in ten hours, and seldom does less than seven. Of the average run of inscription letters he can cut 105 in a day. The ten-hour inscription referred to consisted of cutting the name BRAMAN on both sides of a base. The first name was done in four hours and twenty minutes, and the second one in five hours and thirty-five minutes, and both were laid out and band set up in ten hours.

Mr. Nick Becker of Dixon, Ill., whose record of 113 letters on Barregranite in nine hours and forty minutes, called forth from another correspondent last month a deprecation of the practice of trying for records on the grounds of overexertion and injury to health, writes to continue the discussion as follows:

"I am sorry to cause the gentleman any annoyance, but I must further shock him by declaring that I cut those 113 letters on a Sunday, and did it to accommodate the boss. Business reasons demanded that I should do it. I did it, and can do better if the occasion should require, though I do not make a practice of cutting 113 letters every day for the regular day's pay. A man who does not try to excel in his profession, and is satisfied with cutting twenty or thirty letters a day on Barregranite, is not progressive, and has the same effect on a business that a barnacle does on the bottom of a ship. The overworked marble cutter, whom your correspondent says he helped to bury, probably made the extra exertion to carry through some inferior workman who was in the habit of doing two little markers in a day. A man who works with system, and knows his business, need never fear an occasional test of his powers. I am not posing as an expert, but I have been at the trade for 18 years and in that time I have learned that most marble dealers are gentlemen and do not require more than a fair day's work for a fair day's pay. I have a family of eight, and they will not need anybody's assistance after my demise. Sorry I haven't any Latin to help out the argument."

CLEANING MARBLE.

Jerry Hess of McGaheysville, Va., writes concerning the cleaning of old monuments: I notice bullock's gall recommended for cleaning old tombstones. I have never tried this receipt, but I should think it would require a good many bullocks if there were many stones to clean. Below I give one of the best and cheapest liquids for cleaning old, tarnished marble I have ever tried:

Take 2 pounds rock lime, 2 pounds common baking soda, $1\frac{1}{2}$ pounds potash lye. Dissolve lye in 1 gallon soft water, and add lime and soda. Stir well, apply with corn broom and let it remain from fifteen to twenty hours. When cleaning rub stone well with pumice stone on the smooth surface and clean out the letters with a stubby broom. Be sure to rinse off well. I have cleaned old headstones that were almost as black as a hat and they are now almost as bright as new. If stone is much tarnished apply oftener. This is cheap and can be used freely. Keep it off the naked skin.

The Vermont Marble Company uses a solution of chloride of soda, and find that it does the work well. This solution is carried in stock by druggists.

COMPOSITION OF CEMENT.

A combination of matter for cement has been patented by James J. MacDonnell of Little River, Fla. It is purely hydraulic, and is adapted to use for building purposes, houses, furnaces, bridges, bulkheading, concreting, and paving. The following ingredients, combined in the proportions stated, will make five barrels of four hundred pounds each of hydraulic cement—viz., three barrels of crushed calcareous rock, one barrel of sulphate of calcium, one barrel of cement (any manufacture), four ounces of nitric acid, four ounces nitro muriatic acid, one quart of crude carbolic acid, and ten gallons of pure water. These ingredients are to be thoroughly mixed by proper methods by machinery used for mixing purposes, then spread on drying floors and thoroughly dried, and then screened through very fine sieves commonly used in the manufacture of cement. Then it is ready for use and barreling. The inventor claims that this combination will produce a heavy, smooth and regular cement, strong, durable and quick setting.

ARTIFICIAL MARBLE.

In the United States Consular reports J. C. Freeman, consul at Copenhagen, makes the following report concerning the manufacture of artificial marble in Denmark:

The lack of marble in this country has led to many attempts to produce a substitute which would equal in decorative effects the natural product, and would not exceed it in cost. Some success has been achieved in the manufacture of this article in Sweden, but the thin slabs would not keep their shape, inclining to bend and warp. The veins were stiff and angular, and the soft transitions of color which make variegated marble a thing of beauty were wanting. A significant advance has been made in this industry by a Danish master builder, who is producing a stone of such delicate transition of tints and play of color that it is impossible to distinguish it from the natural product; while as to cost of manufacture, it can compete with all other artificial marbles. The imitation of the more expensive species does not exceed in cost that of the cheaper ones. The inconvenience hitherto met with, that the mass had to be greased to prevent adhesion (thereby destroying the crystalline surface characteristic of the genuine article), has been overcome. The process of manufacture is simple and easily learned, and the cost of the outfit does not exceed \$175. The article can be produced in any form desired—columns, plain or fluted, and capitals—as readily as flat slabs. It is claimed that even pictures may be made of this material. It seems to have the durability of genuine marble, but its cost is only one-tenth as much. At the present stage of the development of the industry, the maker is able to produce a slab about half an inch thick at a cost of 14 cents per square foot. The inventor's name is Soren Schongard, and his address is Copenhagen.

PATENT FOR ARTIFICIAL GRANITE.

A patent has been issued to McKenzie Arun, of Glade Spring, Virginia, for a compound known as artificial granite, which the inventor claims possesses all the characteristics of natural granite, and in addition, the property of being freely molded to form bricks, paving stones, window-sills, insulators and other useful articles. The basic element of the compound is "slag," the by-product in the reduction of iron ore. The slag is mixed with a concrete powder, formed, in order to produce a hundred tons of artificial granite, from the following substances:—five pounds borax, twenty-five pounds pulverized charcoal, ten pounds lead, (plumbago,) one hundred pounds salt, (chloride of sodium,) two hundred pounds cleaned or washed sand, (silica or silica,) five pounds rosin, and one hundred pounds pulverized baryta.



Miss Clara Pfeiffer, St. St. Louis.

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BRONZE STATUARY DEPARTMENT

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WESTERLY, RHODE ISLAND.

Notes of Retail Dealers.

ALABAMA.

Archer & Clapp, of Birmingham, have the contract for the erection of a monument to Policeman W. B. Walton, who was killed in the discharge of his duty. It is to be a shaft of Vermont granite twelve feet high, in a bare four feet square. A wreath similar to that worn on policemen's helmets and a fac-simile of his badge will be carved on the die.

William Stewart, of Middle Tennessee, will open a shop at Alexander.

George Kenney, of Opelika, Ala., and not Kerrey, as stated last month, is the only resident dealer in that city.

ARKANSAS.

The Monumental and Cut Stone Co. has been organized at Fort Smith and reports a good trade. The following are the officers: N. E. Bolle, president; Claude Hoffman, secretary; J. A. Hoffman, manager; L. S. O'Neal, treasurer.

CONNECTICUT.

David Mattoon, of Plymouth, has the contract for the soldiers' monument to be erected at Thomaston.

GEORGIA.

Miller & Clarke, of Americus, have been awarded the contract for the monument to be erected by the State of Pennsylvania at the Andersonville National Cemetery, in memory of Pennsylvania soldiers who are buried there. The memorial will cost between \$12,000 and \$15,000.

E. K. Graham, formerly at Rome, has located at La Grange.

Elledge & Norman, of Columbus, will make extensive improvements in their plant in the near future. They are doing a large business in monumental, building and street work.

IOWA.

The Johnson monument, shown in the illustration, was erected by the Des Moines Marble and Mantle Co., in Woodland Cemetery, in that city, and is an example of good work in Montello granite. It has been admired for its simple, symmetrical lines, artistic carving, and more particularly for the high polish which, as can be seen in the illustration, reflects the other monuments and the trees standing near it. The outlines of the other monuments can be distinguished quite plain-



JOHNSON MONUMENT, DES MOINES, IA.

ly on its face, although the photographer tried to obscure them in order to get what he thought would be a better photograph. The sizes are as follows: B. Base, 7-2x4-0x1 4; base, 6-0x2-10x10; die, 5-2x2-0x3 6. The monument was made by the Montello Granite Co.

The Gardiner monument, illustrated on this page, was erected by D. P. J. McDonnell, of Clinton, for Stimson



GARDINER MONUMENT, CLINTON, IA.

B. Gardiner, a wealthy lumberman of that city. Mr. McDonnell is known in the trade as one of the old-timers and has sold some very fine work, of which the Gardiner is an example. Our informant writes that this is one of the best finished monuments he has seen anywhere and does credit to all concerned. The material is Barre granite and the elaborate carving on the die and cap has been executed in the most satisfactory manner. The sizes are as follows: Base 10-0x7 0x1-6; 2d base, 8-0x5-0x1-11; die, 7-0x4 0x2-2; plinth, 7-2x4-2x0 9; cap, 8-0x5-0x2-2. The monument was cut by Clarihew & Gray, of Barre, Vt., and furnished through their western representative, J. M. Batchelder, Dixon, Ill.

J. H. Schroeder, senior member of the firm of Schroeder & Co., at Carroll, died suddenly, May 7. Mr. Schroeder was for many years in the marble business at Carroll and was well known as a citizen and business man. He was a member of the G. A. R. and other organizations, and was prominent in the community in which he lived.

Homer Stratemeyer has bought the Carroll Marble Works and will conduct the business alone.

The Moore Monument Co., of Glenwood, capitalized at \$10,000, with \$7,000 fully paid up, succeeded Moore & Co. on the 22nd inst., with A. Z. Moore as manager.

Godden & Ballard, of Emmetsburg, have started a branch at Estabrook.

ILLINOIS.

C. E. Milligan, of Lawrenceville, has sold his business to his brother, A. M. Milligan, who will continue at the old location.

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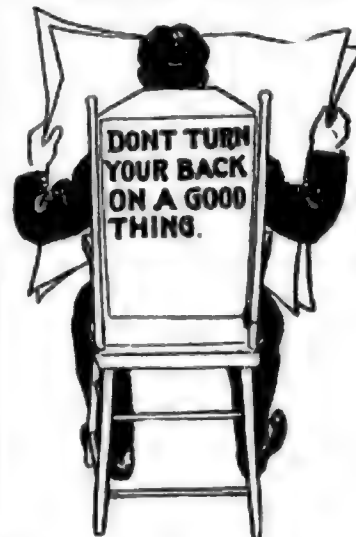
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Brandon Italian Marble Co.

MIDDLEBURY, VT.

NOTES OF RETAIL DEALERS—Continued.

The Higgins-Jung-Kleinau Company has been incorporated at Bloomington, to deal in manufactures of stone, granite and marble; capital stock, \$35,000. The incorporators are: F. B. Higgins, J. P. Jung and C. A. Kleinau.

INDIANA.

Frank A. Wey, of Terre Haute, will soon let the contract for a new building to comprise office, wareroom and shop for his marble works.

John Spencer has removed from Fowler to Spencer and has opened a shop at the latter place.

W. D. Griswold, formerly located at St. Joseph, Mich., has removed to Terre Haute.

Joe R. Meyers, of Kokomo, recently arranged an opening day for the people of the town to visit his place and look around. A monument was auctioned off, and each of the visitors was presented with a carnation or a rose. The people crowded the shop all day, and 1,500 people are reported to have visited the grand opening.

After a long, painful illness Henry Mackey, of the firm or Mackey & Barcus, of Rensselaer, passed away May 16th, in the 65th year of his age. Mr. Mackey was born in Addlethorpe, Lincolnshire, England; left home at the age of 18, and was a sailor for several years before locating permanently in this country. He entered the marble and granite business at Rensselaer in 1885, and in 1890 formed a partnership with George N. Barcus. Mr. Mackey was a veteran of the Civil War and was an active business man and highly esteemed as a citizen. His son, Wm. H. Mackey, has succeeded him in business; the firm name remains unchanged.

KANSAS.

J. C. Penniwell, of Wichita, will remove to Wellington, where he was formerly in business.

J. W. Tinney, of Kirwin, writes that he is securing some good orders this spring, largely through the efforts of C. J. Wood, formerly of Albany, N. Y., who is now representing Mr. Tinney. Among his recent sales is a large fall job in Quincy granite, to cost \$1,000, for Mrs. J. R. Woods, whose husband drew the great claim at Lawton, Oklahoma, last year.

W. H. Green, of Burlington, writes that granite is beginning to cut a figure in the monument business out his way, but as the railroads are also doing some cutting of another kind he doesn't see much profit in it. Trade is quiet just now, but prospects are good for a big fall trade.

KENTUCKY.

The Peter-Burghard Stone Co., of Louisville, has issued a neatly printed booklet in which they illustrate views of their monument and building stone departments, and a number of fine monuments designed and erected by them for prominent citizens of Louisville. They aim to do a fine class of work and are very busy this spring.

Among the recent contracts of J. S. Clark & Co., of Louisville, are: A massive sarcophagus design, severely classic in style, with an elaborately carved moulding, erected on the J. B. Speed lot in Cave Hill Cemetery, Louisville; and a well-executed memorial in renaissance style, erected in Vicksburg, Miss. Illustrations of these two monuments, together with the Patton monument, illustrated in our April issue, recently appeared in a local paper, arranged in attractive form on one half-tone plate.

MAINE.

John H. Gilkey will engage in the marble business with J. M. Soule at Farmington.

TENNESSEE.

In referring to John Trout & Co. last month we unintentionally located them at Knoxville. They are the leading dealers at Chattanooga and have no office at the former place.

William Stewart will open a marble and stoneyard at Decatur.

MINNESOTA.

Eugene Osborne, of Le Sueur county, has succeeded Boylan Bros. at Bird Island.

The monument to be erected at Sleepy Eye in the memory of the Sioux Indian Chief, after whom the town was named, is to be erected by the Sullivan Monument Co., of Minneapolis. The memorial will consist of a shaft of Ortonville granite, 43 feet high, on a base 10½ ft. sq., and will cost \$2,500. On the die will be the inscription: "Sleepy Eye; died 1860; always a friend of the whites." And above this a medallion of the chief is to be cut in marble. The bones of the chief will be entombed in the foundation of the monument, which is to stand in a small park near the railway station.

NEW JERSEY.

A roof stone, 34 feet long, and weighing 43 tons, for the Garret A. Hobart mausoleum at Paterson, N. J., recently caused some damage to the streets while being hauled from the railway to Cedar Lawn Cemetery. The weight of the stone sank the wheels of the truck into the pavement up to the hubs, and the dray had to be jacked up several times during the journey. Several manhole covers were crushed in, crosswalks torn up and macadam pavement crushed. Twenty-two teams of horses were used to haul the stone. It was from the quarries of Wells, Lamson & Co., Barre, Vt.

The Monahan Stone Company has been incorporated at Newark, to deal and work in stone, by John F. Monahan, Harry Compton, and Michael T. Barret. The authorized capital stock is \$120,000 all paid in, and divided into 120 shares of \$100 each.

NEW YORK.

Babcock & Fey, of Hornellsville, have the contract for the erection of a large monument in the cemetery at Onondaga, Pa., on the family lot of J. W. Hammond.

A temporary receiver has been appointed for the Keystone Marble and Slate Co., 635 West 47th Street, New York City. The Company was incorporated in 1899 with a capital stock of \$15,000.

Among the contracts of W. & J. Littlejohn, of Seneca Falls, are several for work to go to the Hawaiian Islands. They also have the contract for a duplicate of the monument to Ex-president Harrison at Indianapolis to be erected at Syracuse.

OHIO.

The Great Western Marble Works, of Cincinnati has assigned to Whittington Underhill. The assets are \$35,000, and the liabilities \$30,000.

The contract for the erection of the shaft of the soldiers' monument at Middletown, on the foundation already in position has been awarded to C. L. Thiele, of Dayton. The shaft is to be 40 feet high, and will be surmounted by a bronze figure of a soldier, donated by the Hon. P. J. Sorg. The work will cost \$3,397, and is to be completed August 1.

M. J. Curren has removed from 55 York Street, Wheeling, W. Va., to 2435 Belmont Street, Bellaire.

The Talamini Mosaic & Marble Co., has been formed at Cleveland, with works at 121 Chestnut Street. The firm will engage in the importation, sale, and manufacture of mosaics, marble, onyx, tile, etc. George B. Merrell is Secretary and Treasurer, and Ernest Talamini, Manager.

(Continued on page 38.)

SERIES No. 7.

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house? This is our forty-fifth anniversary; we have
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Estimates cheerfully given on application.

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RECENT INVENTIONS—Continued.

from side to side—that is, in the direction of the curve. After placing the plate or plates 3 the arch ring 5 is placed in position, this arch ring consisting of concrete, and between the concrete and the plate a rich mortar is used, the metal and concrete being structurally united by reason of the well-known property of adhesion of cement to iron, and forms a compounded structure of great strength and efficiency. The metals also being on the under exposed side form a shell to protect the concrete from the elements or from other injury. The metal arch should have a rise of approximately one fourth its span and is one that may be of so called "lineal-arch" form. By thus proportioning and employing the metal arch-plates, trouble and expense of temporary centering is obviated, which has rendered the use of such arches impractical in many localities, owing to the great diversity of size and proportions.

(Patent No. 693,280, by Louis Lane, Toledo, Ohio)



SOLDIERS' MONUMENT, SHARON, PA.

ILLUSTRATIONS.

Plates in Photogravure Edition.
(Formerly The International Edition).

- NO. 627. MARBLE STATUE OF GEORGE WASHINGTON, Druid Hill Park, Baltimore, Md. Pedestal forms an arched background for statue; a good example of a departure from the conventional method of arranging pedestal and accessories.
- NO. 628. McCAFFREY MONUMENT erected in Baltimore, Md., by William A. Gault & Son, 8 East Lexington street, Baltimore; material, Vermont statuary marble. Sizes: Base, 4-6×4 6×1-6; Plinth, 3-6×3-6×1-10; Die, 2-4×2-4×4-2; Cap, 2-6×2-6×2-6.
- NO. 629. DESIGN FOR MONUMENT, "Day," with symbolic figure bearing a wreath, by E. H. Gibson, Boston, Mass. Sizes: B. Base, 11-0×4-9×1-0; Base, 8-6×2-2×1-10; Die, 8-0×1-8×3 6; Pedestal, 1-8×1-2×1-10; Figure, 6-0.
- NO. 630. DESIGN FOR MONUMENT, "Colton," with surmounting cross, by E. Sargent Sampson, 315 Madison avenue, New York. Sizes: B. Base, 4-9×2-11×1-0; Base, 3-0×2-11×1-0; Die, 3-0×1-2×3-4; Cross, with base, 2-3×0-9×2-6; Cross, 1-10×0-7.
- NO. 631. DESIGN FOR SARCOPHAGUS MONUMENT, "Church," by R. C. Blocksom, Boston, Mass. Sizes: Base, 7-0×4-2×1-0; Base, 5-8×2-10×1-0; Die, 5-0×2-2×2-6.

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PROMPT DELIVERY GUARANTEED.



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that terrible disease too slow
killed him. It stood but
it's true that others are true
bled the same way.

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it taken promptly.
First Dose - One of our
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Grinding machines to sharpen
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As to handle Marble from the leading well known quarries of Gouverneur, N. Y.

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For Monuments and Cemetery Work Use

Green River Oolitic Limestone

The Best Limestone on the market for Monumental and Building purposes, as it bleaches white upon exposure and then retains its whiteness, does not become dark and discolored.

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At the QUARRIES

BARRE, VT.

From Our Regular Correspondent.

As usual at this season our plants, large and small, have been busy finishing and shipping Memorial Day work; and, as usual, it has been the dull season for orders, though enough have come in to keep things going for some time yet. Undoubtedly some orders have been held back in the hope that the Granite Exchange prices may be materially lowered in the near future. Very likely some are hoping that the whole scheme may be given up. As matters look here at this present writing both parties are soon to be greatly disappointed. There has been more or less talk about amending the price lists by lowering several items; but so far only what were manifestly mistakes and omissions have been corrected, and the members have been practically unanimous in refusing any reductions. The Exchange is far more popular than at first, and its advantages are being more and more appreciated as they are better understood, and the more they are tested in actual practice. Some of the firms which have been doing work almost exclusively for the wholesaler, have not received many orders, but this fact is leading them to develop a trade of their own among the retailers, which will make them much more independent. The Exchange is considering ways and means for aiding them in this effort.

A very large volume of new business has gone through the Exchange during the past month, the smaller firms furnishing the larger part of it. It cannot depend upon the Postoffice deliveries, but has its own messengers to collect and distribute its work in this city and Montpelier. Its machinery is now working smoothly and easily. As soon as the trade at large awakens to the fact that it is a settled and abiding institution, and that its prices and regulations must govern, the business will go on as usual, only with greater volume, and much more satisfaction to all concerned. Its success will enhance the character and quality of all work done.

Stephen & Gerard have moved into their fine new plant, though it is not entirely completed. It stands beside that of Burke Bros., and is practically a replica of that. They are very busy with old and new orders.

Joseph B. Reinhalter & Co., of Philadelphia, have purchased a site between Mutch & Calder's (formerly C. E. Tayntor's) and Jones Bros. plants, and are now erecting a first class cutting shed. A large force of men are grading a siding from the Montpelier & Wells River Railroad to their property, and the city is to put up a new bridge to accommodate them.

J. M. Boutwell of the Langdon quarries is about to install a new derrick and hoisting plant, which will be the most powerful on the "Hill." Mr. Boutwell has recently been appointed one of the State Railroad Commissioners.

Mutch & Calder, Emslie, McLeod & Co., Robins

Bros., McDonald & Buchan and Young Bros. have purchased a fine tract of quarry land near that of the Capital Granite Co., and are opening it up as fast as possible under the firm name of The Manufacturers' Quarrying Co.

It is rumored that the Barre Railroad, along with the Montpelier & Wells River, is liable to be purchased by the Grand Trunk. Officials of the latter road have recently inspected both properties with this purpose in view. Whether this would help or hinder Barre's desire and purpose to get a main line of some railroad through the city remains to be seen.

QUINCY, MASS.

From Our Regular Correspondent.

A comparison between the condition of trade at the close of the busiest month in the year and a corresponding time last year compels the conclusion that the month just past has been decidedly in advance of May, 1901, both in the matter of developments and the completion and shipment of orders. Every branch of the trade has experienced this salutary business condition. The quarry owners have been pushed to the utmost in the timely delivery of stock, while the cutting plants and polishing mills have been working over time since the middle of April. Memorial Day has been the cause of such an excess in work and the trade, for years past has not experienced the booking of so many orders. Conditions promise well for an excellent Summer and Fall trade.

The quarry owners have again raised the price on rough stock 15 cents per cubic foot. This has been for the reason that the cost of quarrying has been advanced, consequent of the four weeks' strike in that branch of the industry during the month of March.

Mr. Angelo Malnati, the well-known South Quincy manufacturer, is branching out in the quarry business. He has purchased a large quarry and a tract of adjoining quarry land in West Quincy, the product of which, if it can but feebly compare in quality with his excellent Pink Westerly stock, has his success in the undertaking assured. Mr. Malnati proposes to give the same careful attention to his manufacturing plant as heretofore.

The Quincy Quarries Company has installed a large air compressing plant at its Churchill and Hitchcock property on the North Common. Manager Morgan contemplates many like improvements before the advent of the Fall and Winter trade.

Mary E. Wilkins, the authoress, who is now Mrs. Dr. Freeman of Methuen, N. J., placed an order for a monument with McGrath Bros. of this city prior to taking up her abode in New Jersey. The memorial will mark the grave of a dear friend of the authoress and will be erected in Randolph, Mass. where Mrs. Freeman has made her home for years.

McGilvray & Jones have completed a twenty-seven-foot soldiers' monument, to be erected in Plymouth, Conn. It is from light Quincy granite and has this inscription in raised polished letters on the front face of the die: "Erected by C. L. Russell, Post No 60, G. A. R., and citizens, in commemoration of the soldiers who served in the Civil War." The cap of the die shows

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OUR SHIPPING FACILITIES ARE UNSURPASSED.

some elaborate carving—a life-size statue of a soldier cut from Westerly granite will support the die.

Following are a few names of those who visited the trade last month: Frank A. Kendall, Auburn, Me.; Michael Sexton, Bridgeport, Ct.; Thomas W. Nickerson, Hyannis, Mass.; M. V. McHugh, New York, N.Y.; L. Hilgartner, of L. Hilgartner & Sons, Baltimore, Md.; F. D. Fuller, Nashua, N. H.

The shipments during the month of April have been as follows:

Quincy Adams, 5,122,647 pounds, West Quincy, 6,088,050 pounds; Quincy Quarries Co., via Quarry Railroad, 4,077,250 pounds. Total, 15,287,947.

WESTERLY. R. I.

The New England Granite works has a busy season of important work on hand. One of the finest monuments that has lately been cut at Westerly has just been finished at their works. It is to be erected in Yantic Cemetery, Norwich, Conn., in memory of T. B. Blackstone, the late president of the Chicago and Alton railroad. The design is in the form of a sarcophagus with elliptical sides, and is in two pieces. The lower stone, forming a moulded base, is 8-4x4-4, and the upper one comprising the plinth, die, frieze, and cap, is 7-4x3-4x3-6. It is from the Klondike quarry at Niantic.

The Klondike quarry at Niantic, owned by James Gourlay, has had a remarkably rapid development in the past five years. Five years ago the quarry was cultivated land, when a boulder of Westerly blue granite was accidentally discovered by the owner. The present quarry hole is 250x300 feet, and 100 feet deep, and the output of the now well-known Westerly blue and "blue white," amounts to about 35 or 40 tons a day.

The Smith Granite Company has just completed the soldiers' monument to be erected by the State of Rhode Island on the Soldiers' Home lot in North Cemetery at Bristol, R. I. It consists of the figure of a standard bearer, modeled by Edward Pausch, surmounting a shaft on an octagonal base. The total height will be 35 feet.

Joseph Newall & Co. also have a large number of orders for important work on hand and there is every prospect of a busy season for them.



LANE BLOCKS

HOLD load

at any point automatically

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STEEL CASE

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Sheridan, Wyoming.

OFFERS FOR SALE a limited amount of its Capital Stock. The Capital Stock is divided into 1,000,000 shares, at one dollar each, non-assessable, one-half reserved for developing.

The property contains an almost inexhaustible quantity of marble of a variety of colors, suitable for monumental, interior and exterior construction. Government tests and expert opinion show superior quality. The property is on the Big Horn Mountain with good shipping facilities over a branch line of railroad to the quarry.

The lowest mining charges in the West. Prospects and further particulars will be sent on application to

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Photos of this cut, 10x14, mounted on cloth, mirror finish. Price, 75c.



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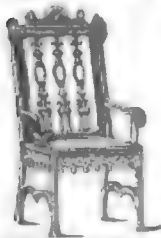
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Bronze, Doors and Grilles
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Bronze Statuary

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Granite
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Quarries opened in 1830.

THE ONLY GENUINE MILLSTONE, CONN., GRANITE.

Finished Monumental work and Rough Stock wholesale. Certificate of award at the Centennial Exhibition of 1876 on Millstone Granite, for the good color of the stone, its fine close grain, and good polish, and the marked contrast between the polished and dressed surfaces, a character which gives unusual distinctness in ornamentation and makes it especially adapted to fine cemetery work.

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MONUMENTAL DESIGNS

Which are called for in large quantities are those which sell the work.



These cuts are from two of my

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They are Mirror Finish

Cloth Mount, Single 75 Cents
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Two Dozen or more, 10 per cent. discount.

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15 Designs on 12 plates, 14x22 in. reduced to \$4
FOR SETS REMAINING.

Send for Illustrated Circular - Fine Art Brush Designs to order.

B. F. ALLEN, 701 Stevenson Building, Indianapolis, Ind.

Quarry Notes.

Col. Fletcher D. Proctor of the Vermont Marble Company is one of the Republican candidates for governor of Vermont.

It is stated that the Norcross Company has orders for building marble aggregating 700,000 cubic feet.

George Craig of Galesburg, Ill., who holds the option on the purchase of a marble quarry in North Georgia, has interested local capitalists in the organization of a stock company to operate the quarry and put up a finishing plant.

Frank T. Lougee of Lynn, Mass., and Herbert E. Carleton of Boston are president and treasurer respectively of the Oxford Granite and Construction Company, recently incorporated at Augusta, Me.

The Granite Construction Company of Nashua, N. H., contractors for general building work, have contracts on hand amounting to \$300,000.

Marble workers at Hunt Brothers, Newark, N. J., are on strike for a uniform wage rate. Some of the men who were obliged to stop work were making from \$3.50 to \$5 per day.

W. E. Dibbell, formerly of the Petersburg Granite Company, Petersburg, Va., is now manager of the Guilford and Walterville Granite Company, Baltimore, Md.

George Mann of Baltimore, Md., has opened a new marble quarry near Lee, Mass. The product will be used for building purposes.

A strike of two weeks' duration at the Continental mill of the Vermont Marble Company, Center Rutland, Vt., was amicably settled the first of last month. The polishers made a demand for an increase of pay on certain classes of piece work, which it is stated was granted. A sympathetic strike was threatened, which would have involved several hundred men.

Zanesville, O., capitalists are said to be interested in developing an onyx quarry recently discovered in Tennessee near Middleboro, Ky.

The White Crystal Marble Company has been organized at Gouverneur, N. Y., to develop the Morrison & Whitney marble quarry near that city. The product is said to be a very fine quality of white marble. The company consists of Charles A. Lux of Clyde, N. Y., Edward Morrison and D. C. Whitney of Gouverneur. Capital stock, \$75,000.

The Union Granite Company, Hardwick, Vt., has purchased the property and business of the Hardwick Polishing Company.

The granite business is unusually brisk along the coast of Maine. At Mount Waldo, Vinalhaven, Deer Isle, Hurricane, Sullivan, Clark's Island, Franklin, Mount Desert and elsewhere the crews are larger than usual, and vessels are in great demand to carry away the rough and finished stone. Freight rates on stone have been slightly increased.

The works of the George H. Cutting Granite Company, Milford, Mass., have been shut down indefinitely because of differences between the firm and their workmen. Seventy-five men were employed and prospects were bright for a busy summer.

The American Siena Marble Company has been incorporated at Portland, Me. H. L. Cram, president; A. J. Desmond, treasurer.

The Howard Granite Company has been incorporated at Baltimore, Md., with a capital stock of \$50,000 to work quarries at Guilford, Md. The quarries produce a fine-grained gray granite, suitable for monumental purposes. The officers are James J. Miller, president and general manager; Rufus W. Ap-

plehaugh, sec.; William A. Gault, treasurer. William A. Marburg, the well known tobacco manufacturer, and H. Matthew Gault and the above mentioned officers compose the company.

The quarries and manufacturing plant of the Maryland Granite Company at Guilford, Md., eighteen miles from Baltimore, Md., will have an equipment second to none in this country when all of the machinery is installed. The company is incorporated for \$200,000 and owns 250 acres of land. The cutting shed is 400 feet long by 60 feet wide, with two travelling cranes. There are two 150 horse power boilers and engines. Thirty-five compressed air hand tools and several surfacing machines are in use and others are to be added. Eighteen hundred cubic feet of free air is generated a minute, compressed air being used to operate the derricks and drills on the quarries as well as the surfacing and hand tools in the shed. There are seven derricks. Two new ones now being put up have Oregon pine masts 100 feet long, 28 inches at the butt and 25 inches at the top. They are being equipped with Whitcomb Brothers' latest improved hoists and turning gear. The booms are 86 feet long. Twenty new cottages and a boarding house are being built and land has been deeded by the company for a school house and church. When fully in operation 400 workmen will be employed, of which about one-half will be stonecutters. The company has the contract for the Baltimore Custom House, which will approximate nearly half a million dollars. The officers of the company are William H. Evans, president; William T. Stillwell, vice president and treasurer; J. P. Tully, secretary, and William M. Fraser, general superintendent.

DR. GEORGE E. HARRISON.

Dr. Geo. E. Harrison, Secretary of the Harrison Granite Company of 42 East 23rd St., New York, and Barre, Vt., died at St. Luke's Hospital, New York, April 24, 1902, of heart trouble, after an illness of several weeks. Dr. Harrison was born in Cleveland, Ohio, forty-four years ago, but at an early age removed to Adrian, Mich., where his boyhood days were spent. In 1873 he was appointed to the Naval Academy from the 2d Michigan District, but resigned at the end of his third year to take up the study of medicine and was graduated from Bennett Medical College, Chicago. He had traveled extensively, having thrice circled the globe, and enjoyed an intimate acquaintance with many prominent men both in this country and Europe.

He was a strong and forcible writer upon current topics and medical subjects, and contributed largely to contemporaneous literature and leading magazines. A keen and enthusiastic sportsman, he was widely known and enjoyed a high reputation as a hunter of big game, especially moose, and for fifteen years had maintained a camp on the Big Fork River, in the wilds of Northwestern Minnesota, which was one hundred miles from the nearest village, and by example and precept he had been largely instrumental in the preservation of big game in that section. His was a strong and interesting personality. Of broad culture, a vigorous mental grasp and a wide knowledge of men and affairs, his friendship was a thing to be desired and sought, as is evidenced by the loving remembrance in which he is held by many in this country and Europe.

Dr. Harrison was a member of the New York Press Club, the Grosvenor Club of London, Eng., and a charter member of the American Society of that city. He was also a 32nd Degree Mason, a Knight Templar and a Mystic Shriner. Two brothers survive him, Mr. W. H. Harrison, President of the Harrison Granite Company, and Dr. J. Charles Harrison, who resides in Rome, Italy. He was buried with Masonic honors by Adrian Commandery, of which he was a member, on Monday, April 28th, his remains resting in the home of his boyhood.

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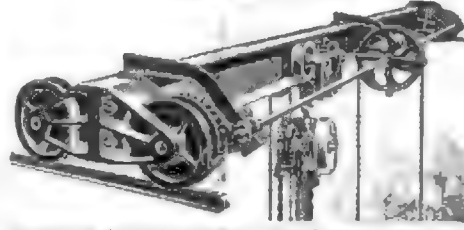
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And all kinds of Marble Work. Write,

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Works, One Mile from Quincy Quarries.

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The now universally adopted standard to determine the cost of working granite. 2d edition recently published: 70 illustrations. Send \$1 bill or P. O. order (no checks) for book, or write for descriptive circular to J. F. Brennan, Peterboro, N. H.



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Brush Hammers, Hand Hammers, Points, Drills, Pneumatic Tools, Handles, Marking. All tools warranted. Fifteen years experience. Write for price list and get your money's worth.

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Instructor, Mr. Chas. Albert Lopez, of New York City.

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For Granite and Marble Cutters.

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Owner of the Celebrated Quarries of

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SAVE TIME.



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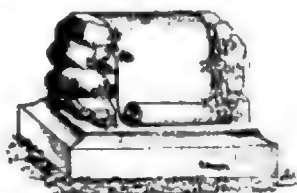
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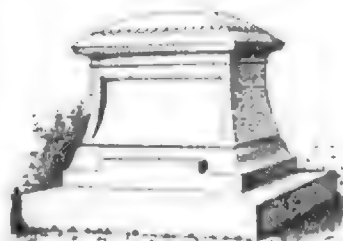
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CHICAGO, ILL.**



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Extra Dark Quincy Granite Quarry

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Polished Balls mounted to hang on your watch chain.

Dies, Bases, Caps, Etc., Squared and Polished for the Trade.

What Our Advertisers Are Doing.

The Barbee Wire and Iron Works, 44 and 46 Dearborn street Chicago, is one of the largest manufacturers in this country of steel fences, arches, gates, iron and wire settees, chairs and lawn furniture, suitable for cemeteries, parks and home grounds. Their catalogues "B" 56 and "B" 61 illustrate a large line of ornamental iron and wire work and should be in the houses of monument dealers generally. Their fence catalogue gives full information concerning every detail of material and construction, which enables dealers to satisfactorily explain every feature of the work to their customers. They carry a line of vases and other lawn furniture in stock ready for immediate shipment and aim to furnish high-grade goods at reasonably low prices.

GEORGIA MARBLE

This is the title of a pamphlet sent out by the Kennesaw Marble Company of Marietta, Ga., contractors and finishers of Georgia marble. The object of the pamphlet is to call attention to some of the scientific tests and experiments that have been made upon Georgia marble, all of which go to show the great strength and durability of the material. The thorough manner in which these tests have been made and the high character of the scientists whose reports are printed in full, commend the most careful consideration of architects, and contractors in cemetery and building work. Prof. J. B. Johnson of the Washington University, St. Louis, Mo., tested the density and solidity of a three-inch cube of marble by soaking it in water twenty-four hours; it was then dried over a steam coil at a temperature of 215 degrees F. for twenty-four hours; the difference in weight after the soaking and drying showed an absorption of but six one-hundredths of one per cent, or almost absolutely non-porous. A severe test that any one can make is to take a small cake of the marble, drill a hole in the center, and fill it with ink and use for an ink stand. It will be found that the ink is not absorbed as it would be if any other marble or stone were used. A test of the crushing strength of Kennesaw marble showed it to be "about equal to that of granite and greater than that of any other building stone."

F. M. Ladd, New London, Conn., has the contract for a classic monument to be erected for a New York millionaire.

Some idea of the monument work executed by Clarihew & Gray of Barre, Vt., may be had from the illustrations of finished monuments that appear from month to month in their advertisement in this journal. An examination of any of these monuments will show what careful attention has been given to every detail, and herein lies the secret of their success. Mr. John M. Batchelder, the western representative of Clarihew & Gray, with headquarters at Dixon, Ill., numbers among his regular patrons a class of dealers who put up the very best of work and have long since learned that their orders will be filled according to specifications when placed through him.

Although it is but little more than a year since the granite surfacing machines manufactured by H. G. Kotten of New York were put on the market in New England, so successful have they proven that about forty of the machines are now in use. After a most thorough examination of granite surfacing machinery and pneumatic tools the Bodwell Granite Company has just placed an order with Mr. Kotten for three surfacing machines and twenty fine hand tools for their plant at Fox Island, Me. The Booth Brothers and Hurricane Isle Granite Company have also placed a similar order with Mr. Kotten, to be installed at Waldoboro, Me., and he is in communication with other large quarrying companies who contemplate introducing his pneumatic tools.

The increasing business of the Blue Ridge Marble Company of Nelson, Ga., has made it necessary to enlarge their manufacturing plant by the addition of an 80-foot extension to the main building. New appliances were added to the plant, which is already well equipped with modern machinery, for handling and manufacturing Georgia marbles. It is the intention of the company to have a thoroughly up-to-date establishment, and no expense will be spared to accomplish this end. The Blue Ridge Marble Company makes a specialty of monumental and vault work, and also does a large business in building work for exterior and interior purposes. An important contract, under way at this time, is the marble for the Century building, a ten-story structure to be erected in Atlanta, Ga. Some of the blocks used in this building are unusually large and richly decorated with artistic carvings in high relief. When completed the building will add another to the many fine examples of the fitness of Georgia marble for work of this character.



The new No. 6 Chapman foot power grinding machine manufactured by H. L. Chapman, Marcellus, Mich., is the result of years of experimenting on the part of the inventor, and is considered to be the strongest, most durable and thoroughly practical device of the kind yet made. Descriptive circulars may be had by addressing the manufacturer, who will also give names and addresses of stone dealers who are using the machines. These machines are specially adapted to the needs of stone cutters.

The Lane Manufacturing Company of Montpelier, Vt., is making castings for a derrick, said to be the largest of the kind ever cast. The socket for the mast alone will weigh 7,000 pounds, is six feet high, and the aperture is large enough to conceal a good-sized man. The derrick will cost about \$4,000, and will have a guaranteed lifting capacity of seventy-five tons, though it will be capable of lifting about double that weight.

This machine is being constructed for J. M. Boutwell of the Langdon quarries at Barre, Vt., and will be the fifth in operation at these quarries.

The Jno. Williams Bronze Foundry, 556 West Twenty-seventh street, New York, have been awarded the contract for casting the colossal bronze statue of "Victory" to surmount the Naval Monument now in course of construction at San Francisco in memory of sailors who participated in the battle of Manila. A brief description will be found in Monumental Notes on another page. This foundry is now also executing three pairs of ornamental cast bronze doors for the Memorial Chapel of the Leland Stanford, Jr., University, San Francisco, after designs by Clinton Day, architect.

R. I. W. Damp Resisting Paint manufactured by Toch Brothers, 468 West Broadway, New York, is a compound paint that will fill a long felt want among monument dealers and contractors who build vaults and mausoleums. It is applied to the inside of walls for the purpose of keeping out dampness, and does its work most effectively. Architects and builders recommend it as the best material of the kind on the market, and are using it on some of the finest buildings in New York. The Harrison Granite Company has been using R. I. W. paint on vault walls for some time and recommend it very highly. It can be readily applied to brick, stone, marble or granite walls, and is guaranteed to be a positive preventive against dampness. Price list and circulars will be sent on application to Toch Brothers at the address given above.

NOTES OF THE RETAIL DEALERS.

Continued from page 376.

E. M. Wolff & Co., of Mansfield, informs us that they have the contract for the erection of the monument in memory of the late Senator John Sherman in Mansfield, which we reported last month as being cut by Joseph Newall & Co., Westerly, R. I. Messrs Wolff & Co., write that they are "building and supervising every line of its construction."

The F. P. Stewart Granite Co., of Hamilton, has been awarded the contract for the soldiers', sailors', and pioneers' monument to be erected in that town on a bid of \$33,490. The memorial is to take the form of a building with elaborate sculptural and monumental decorative features. The doorway will be flanked by Doric columns, 28 feet high. The material used will be Bedford and other Indiana stone.

MARYLAND.

Win. A. Gault & Son, of Baltimore, say their business for this year is in excess of a corresponding period in 1891 and last year was the most successful in their business history. They are doing some vault work, a good class of monuments in both marble and granite and have several important contracts for building and street work. An example of their cemetery work in marble is illustrated in the photogravure edition this month.

MASSACHUSETTS.

In an account of the memorial chapel presented to the city of Pittsfield by Mrs. Edwin Clapp, which appeared in our April issue, credit was given to the firm of Clark & Bagg for the work of erection, which should have been given to Dodge & Devanny, of Pittsfield. Mr. Bagg had general charge of Mrs. Clapp's estate, and arranged for the erection of the chapel, but all the work of construction was done by Dodge & Devanny.

John B. Sullivan & Son, of Taunton, have the contract for the soldiers' monument recently presented to that city by Cyrus H. Lathrop. The monument is 21 feet high, and consists of three bases, die, cap and plinth, surmounted by the figure of a soldier, heroic size, and cut from Westerly granite by the Rhode Island Granite Works, Westerly, Rhode Island. The die is richly carved, with twisted columns at the corners and sunken panels on all four sides, bearing inscriptions. The cap is moulded, bearing a border of sunken stars, and the plinth is carved with festoons of laurel.

MICHIGAN.

Among the recent work of Wright Gregory, the West Bay City Granite and Marble Works of West Bay City, was a memorial to the late Congressman R. O. Crump. It was erected in Elm Lawn Cemetery and is the largest in that cemetery.

A J. Griesemer has removed from 416 Guoen street, Detroit, to Adrian.

MISSOURI.

Dixon & Brown have started a retail marble and granite business at Rich Hill.

PENNSYLVANIA.

The strike in coal region will have a depressing effect on the business of marble and granite dealers in that section of the State. William Thomas of Hazelton has some good contracts on hand, among them being one for an eight-catacomb vault to be built of Hummelstown red stone for Thomas Birkbeck at Freeland. Mr. Thomas has the distinction of having erected the first monument in the new cemetery recently opened at Hazelton. It is a massive sarcophagus of extra dark Quincy granite, all polished, from the quarries of the Granite Railway Company, erected for one of the leading citizens. Mr. Thomas has also erected some very fine work in Westerly granite. He has submitted a design for the proposed monument to the victims of the Latimer strike, and stands a good chance of getting the contract.

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THE MONUMENTAL NEWS.

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The Barre Exchange. After a test of sixty days the granite manufacturers at Barre, Vt., are evidently satisfied with the workings of the Exchange, and have voted in favor of its continuance. To accomplish the purpose for which the Exchange was intended, an advance in prices on certain classes of work was absolutely necessary, and this has undoubtedly resulted in diverting a large amount of orders for medium cost stock work into other granites. As the trade adjusts itself to the new conditions the volume of business passing through the Exchange continues to increase and the manufacturers are sanguine of its ultimate success. Important factors in attaining this end are entire absence of questionable methods in securing orders and harmony of action, or co-operation with the wholesalers and quarry owners, without which there will be more or less dissension that will prove detrimental to the best interest of the organization. The consensus of opinion among retailers, wholesalers and manufacturers is unquestionably in favor of any movement that will tend to elevate the standard of the business and place it on such a basis as to insure honest competition. It is hoped the Exchange may be a means to this end, but whatever the outcome its educational effect will at least have been helpful.

Monument Bills in Congress. There can be no better evidence of the general prosperity of the country than is found in the unusually large amount of appropriations asked for in the present session of Congress to be expended for memorials to Soldiers, Sailors, Statesmen etc. The bills introduced for that purpose aggregate \$2,500,000, of which several have been reported favorably.

Retail Dealers Associations. The time was never more favorable than the present for reorganizing the retail marble and granite dealers' associations that have been allowed to pass out of existence in several of the Western States, and an effort is being made to arrange for meetings with that end in view. The expense incurred in getting together for a discussion of matters of current trade interest will be money well invested.

Vermont Exhibit at World's Fair. Vermont newspapers are discussing the proposed appropriation for a State Building at the Louisiana Purchase exposition, and are wisely urging an appropriation for an exhibit of quarry products. State buildings, whether erected separately or in conjunction, as was done by the New England States at the Pan American, have come to be regarded as a necessity at large Fairs, but they are merely an accommodation to visitors and are not intended to advertise industries. A State that is as rich in building material as Vermont should be represented at St. Louis by a building constructed entirely from the products of its marble, granite and slate quarries. A building could be so constructed as to show the advantages of the several materials for exterior and interior purposes, and thus bring directly to the attention of the masses who will visit the Fair the remarkable resources of the state in this respect. The monumental and decorative marbles from different sections and the product of the great quarries of granite on Millstone Hill and elsewhere in the state have made their way into nearly every city and town of any importance in this country. Yet barring a small appropriation used at the World's Fair in 1893 the state of Vermont has left entirely to private individuals the matter of making known its principal products. Georgia has already taken steps looking to an adequate display of her granite and marble at St. Louis. Let Vermont look to her laurels.

Proposed Lincoln Memorial. A bill has been passed in the House appropriating \$25,000 to secure designs for a Lincoln memorial, to be expended by a committee named in the bill. This legislation is a part of the plans of the Park Commission which visited Europe last year to secure ideas for the improvement of Washington. Under these plans the Mall is to be extended from the capitol on past the Washington monument to the memorial bridge over the Potomac, leading to Arlington Heights. At the approach to this bridge is to be a large open area and in its center is to be placed an appropriate memorial to the memory of Abraham Lincoln. The design contemplated is a portico of Doric columns. This portico, while affording a commanding outlook both upon the river and eastward to the capitol, supports a panel bearing an inscription taken either from the Gettysburg speech or from some of Lincoln's messages.

PRIZE FOR WORLD'S FAIR EMBLEM.

The Directorate of the World's Fair to be held in St. Louis, in 1904, commemorative of the Louisiana Purchase, has offered a prize \$2,000 for an emblem, design or device to be applicable for use as the official seal of the Exposition, or for a medal, or as a letter-head for stationery, for a poster, or any other purpose in connection with the dignified exploitation of the Exposition. If colors be employed symbolically, these colors should be red, blue, yellow and white-- the colors involved in the national flags of the countries in which ownership of this Territory at various times has been vested.

For the best design submitted, a jury to be composed of seven members—two painters, two sculptors, two architects and a historian—will award the prize and the design receiving the award will become the property of the Exposition.

The following are the members of the jury:

Mr. Frederick Dielman, New York, President National Academy of Design; Mr. John La Farge, New York, President of the Society of American Artists; Mr. J. Q. A. Ward, New York, President of the National Sculpture Society; Mr. Lorado Taft, Chicago, President of the Society of Western Artists; Mr. Charles F. McKim, President of the American Institute of Architects; Mr. Wilson Eyre, Philadelphia, President Philadelphia Chapter American Institute of Architects; Professor Alcee Fortier, New Orleans, President of the Louisiana Historical Society.

Detailed information concerning the competition which closes November 5, 1902, can be had from Mr. Walter B. Stevens, Secretary Louisiana Purchase Exposition, St. Louis.

THE AMERICAN ACADEMY AT ROME.

The bill to incorporate the American Academy in Rome, introduced in Congress by Senator McMillan on April 5, has been considered at length by the Senate Committee on the Library, and a favorable report on it has been authorized. The terms of this measure were published in the May issue of the MONUMENTAL NEWS. Some slight amendments to the bill were made by the Committee. The report of the committee on this laudable enterprise is interesting. It sets forth, among other things, that in 1894, the year succeeding the Chicago Fair, the American School of Architecture in Rome was established, the object being to enable American students of architecture to develop their powers under the most favorable conditions as to both instruction and surroundings. So certain was the success of the experiment and so rapid the improvement of the students that three years after the foundation of the school the promoters enlarged its scope to include the allied arts of sculpture and painting. In this way it came about that there was established in Rome an American academy on the general lines of the French academy, which since the days of Louis XIV has trained for France the men who have given direction, unity, and lasting distinction to the art of that nation.

During the years since its opening the academy has been supported by voluntary gifts of its founders, and the money raised has represented in the main the self-sacrifice and devotion of men in the active pursuit of their profession. Without endowment of its own, the villa of the academy, which is the Villa dell' Aurora, once a part of the famous Villa Ludovisi, on Pincian Hill, overlooking the Villa Medici, the extensive and commanding quarters of the French academy, has offered its hospitality to the holders of various scholarships, such as in architecture, the Rotch traveling scholarship, Boston; the two scholarships for sculptors under the will of William H. Rhinehart, of Baltimore, and administered by Henry Walters, one of the most liberal and steadfast friends of the academy.

An exhibition held at the American Fine Arts Galleries in New York during December of 1896 first attracted public attention to the high quality of the work done by students of the academy, and proved beyond question the desirability of supporting such a school. The persons named as incorporators are leading sculptors, architects and painters; the great universities and technical schools are represented by their presidents, while several prominent Government officials and a number of men known for their interest in art and art education have given their countenance and support to the enterprise.

The McKinley Monument, Muskegon, Mich.

The monument illustrated on this page was erected to the memory of the late President McKinley at Muskegon, Mich., and was unveiled with impressive ceremonies on Memorial Day, May 30.

It consists of a finely modeled bronze statue of Mr. McKinley surmounting a granite pedestal, placed in a quadrangular court approached by wide sweeping steps. The center of the court, shown bare in the illustration is to be improved by suitable planting.

The statue is seven feet, four inches high, and was modeled by Charles H. Niehaus. It represents the martyred president as he stood in a familiar attitude while delivering his last speech at the

not conflict, and that our real eminence rests in the victories of peace, not those of war."

The monument is a gift of Mr. Charles H. Hackley to the public schools of Muskegon, and was erected at a cost of \$20,000. Mr. Hackley is at the head of one of the largest lumber industries in the West and is well-known for his many public-spirited gifts to Muskegon. The sum of his gifts to public institutions of that city amounts to about \$1,000,000, and includes the following donations:

Hackley Public Library and endowment; Hackley Park, monument and endowment; Hackley Manual Training School, maintenance and endowment; General Phil Kearney statue, unveiled Mem-



MCKINLEY MONUMENT, MUSKEGON MICH., CHARLES H. NIEHAUS, SC.

Pan-American Exposition, just before he was assassinated.

The pedestal is of Barre granite, eight feet high, and the wings measure 31 feet in width and 20½ feet in depth and are carved on the inner face to form a seat. The granite work was executed and erected by Joseph Carabelli, Cleveland, Ohio, and the bronze was cast by the Gorham Co.

The inscription, running around the top of the seats is the last sentence of Mr. McKinley's speech at Buffalo, and reads as follow:

"Let us remember that our interest is in concord

orior Day of last year; Home for the Friendless; and the McKinley monument.

Mr. Hackley is president of the Hackley National Bank, and has been identified with many of the financial and commercial institutions of the city. He is a self-made man, has amassed a large fortune, and has long been a generous patron of charity in a plain and unostentatious manner.

The unveiling of the monument was made a gala occasion for the town, and was participated in by Governor Bliss and other distinguished visitors.

Jefferson Davis Memorial, Richmond, Va.

The commission for the modeling of the Jefferson Davis memorial arch to be erected in Richmond Va., for which the Daughters of the Confederacy have been collecting funds for some years, has been awarded to Louis A. Gudebrod in a competi-



THE WINNING MODEL, FOR JEFFERSON DAVIS MEMORIAL.
LOUIS A. GUDEBROD, SC.

tion with the following other sculptors: Waldo Story, William Couper, George Julian Zolnay, Charles A. Lopez, Rudolph Evans, and Miss Montgomery. Six of the models submitted in the competition are shown on this and the following page.

Mr. Gudebrod's design shows an arch of Corinthian style, sixty-five feet high, with an outside width of seventy feet. The inside height will be forty feet, and the span twenty-five feet wide. The sculptor adopted the Corinthian style of architecture as being more in harmony with the prevailing style in the South, and especially adapted to express the purposes of the arch, which is to be entirely memorial in its character.

At either end of the arch are to be two heroic-sized bronze figures symbolical of Fame and the Lost Cause.

In the spandrels, two on each side of the arch, will be placed four bas-reliefs, representing Glory, Truth, Justice, and Valor.

The thirteen Attic seals represent the Confederate states, the central one being the Confederate seal. On the five low relief panels in the Attic, and on the two panels in the archway will be inscribed such tributes to Jefferson Davis as may be chosen by the committee.

The arch is to cost about \$70,000, of which \$42,000 has already been collected.

The United Daughters of the Confederacy, and the Federation of Southern Memorial Societies are in charge of the work of erecting the monument, which is expected to be ready for dedication by the fall of 1903.

The sculptor has endeavored to express in his work the life of Jefferson Davis, as well as to perpetuate the ideals and principles which he represented, and has succeeded in producing a model which is admirably expressive in significance, and stately and dignified in its proportions.

The ornamentation has been only generally expressed in the model shown, as the smaller ornaments, such as the inscriptions, could not be worked out in detail on the reduced model.



MODEL OF WALDO STORY, FOR JEFFERSON DAVIS MEMORIAL.

The arch will be constructed of southern granite, and will be erected in Monroe Park, Richmond, spanning an extension of Pine street.

Mr. Gudebrod, the sculptor, of the successful design is 28 years of age. He is a pupil of Jean Bappt and Augustus St. Gaudens and was director of sculpture at the Charleston exposition. Mr. C. F. Hogeboom is associated with him as architect.



MODEL OF CHARLES A. LOPEZ, NEW YORK.



MODEL OF WILLIAM COUPER, OF NEW YORK.



MODEL OF GEORGE JULIAN ZOLNAY, NEW YORK.



DESIGN OF RUDOLPH EVANS, NEW YORK.

Models Submitted in the Competition for the Jefferson Davis Memorial Arch to be Erected at Richmond, Va.

(Illustrations from the Richmond Dispatch.)
(SEE OPPOSITE PAGE.)



THE MILMORE MEMORIAL, FOREST HILLS CEMETERY, BOSTON, MASS.

Memorial Art in the Modern Cemetery.

The revolution in the methods of management and the improvement of cemeteries brought about by the adoption of what is called the lawn plan, or what is more properly designated the landscape plan, has been a remarkable development, and especially when considered in relation to the short time which has elapsed since the first efforts in so radical a reform. For any fundamental change in custom and plan of the habit of centuries as illustrated in the burial ground could be nothing else than radical. It is therefore remarkable that in so few short years so wonderful a transformation even in the larger cemeteries should have taken place, and that too with the evident approbation of the community.

And the end is not yet, for the final development of the landscape cemetery means perfect harmony in all the relations of its parts, necessitated by the fact that art, the art of great mother nature, demands that her rules be observed, in that any deviation from what she has made apparant in her own great order, only detracts from the work of man, and renders more obvious and discordant his failures, be they great or small.

That there are discordant notes in the harmonies of even our finest cemeteries cannot be denied, the result of conditions imposed by both the management and the lot owners. With the former the question of income, and with the latter that of personal rights, are largely stumbling blocks at present to the more perfect development of the modern cemetery in its integrity.

There are two most important considerations in the landscape plan of care and development, upon which may be said to depend the character and permanent beauty of the cemetery—the amount and distribution of the planting and the design and disposition of the memorials. Expansive lawns, however well kept, profusely dotted with monuments of various sizes, with little or no shrubbery to break the monotony, is not the lawn plan in its true meaning. And, however well ordered the grounds, however refined the monuments, if the latter be not disposed so as to display appropriate surroundings and to harmonize with the landscape effects, it is not the lawn plan properly understood. Many of our finer cemeteries are still in the transition state

owing to a lack of appreciation of what is demanded by the lawn plan, and many others are harboring blots on their possible beautiful landscapes from the failure to exercise prohibitory control in the matter of design and location of memorials. Another view of the latter point is that the artistic value of numbers of fine monuments is lost because of the lack of consideration given to their setting and surroundings.

A very practical example of this phase of cemetery oversight, to use a mild term considering the results, is that of the "Milmore" memorial in Forest Hills Cemetery, Boston, Mass., one of the finest of the New England cemeteries. The monument itself is regarded as one of the best examples of memorial art in this country and is the work of Daniel Chester French. It was erected in memory of Martin Milmore, the sculptor, and as a remarkable piece of sculpture has been the subject of a large amount of commendatory discourse and literature.

In figure 1 we have a front view of the monument as it now stands. In its rear, on the adjoining lot, a massive mausoleum has been erected, so close as not only to leave no room for any shrubbery or planting to appropriately set off either structure, but actually to mar the classic and beautiful lines of the Milmore monument. Here we have a memorial which is a shrine for all lovers of sculptural art, which will always attract intelligent visitors and be a source of permanent and positive

interest and value to the cemetery, actually injured by the proximity of a structure of only personal interest to the lotowner, and which becomes at the same time a severe reflection on the intelligence of the cemetery management, and this reflection will be more pronounced as years go by. It seems reasonable to think that in presenting this practical example of quite a common oversight in many leading cemeteries, a lesson is offered that should impress cemetery officials with the absolute necessity of advising their lotowners, as to the value and appropriateness of lot surroundings, and at the same time point a moral to many officials to the effect that a memorial of public interest has a money value to the cemetery which could be judiciously discharged by the setting apart of sufficient space and some appropriate planting.

In figure 2 we have the "what might have been," and the contrast with figure 1 is at least striking. Without comment it emphasizes what has been said more distinctly than words, gives the proper value to the memorial and tells the story of the great work with the lessons it conveys, and at the same time it does justice to the cemetery and suggests enlightened care.

Ornamental planting judiciously disposed in the lawn system adds beauty and dignity to the grounds, improves the monuments by modifying effects, creates pleasing vistas and diverse landscape pictures, and is the measure of the landscape art dominating the cemetery.



THE MILMORE MEMORIAL, WITH APPROPRIATE SURROUNDINGS.

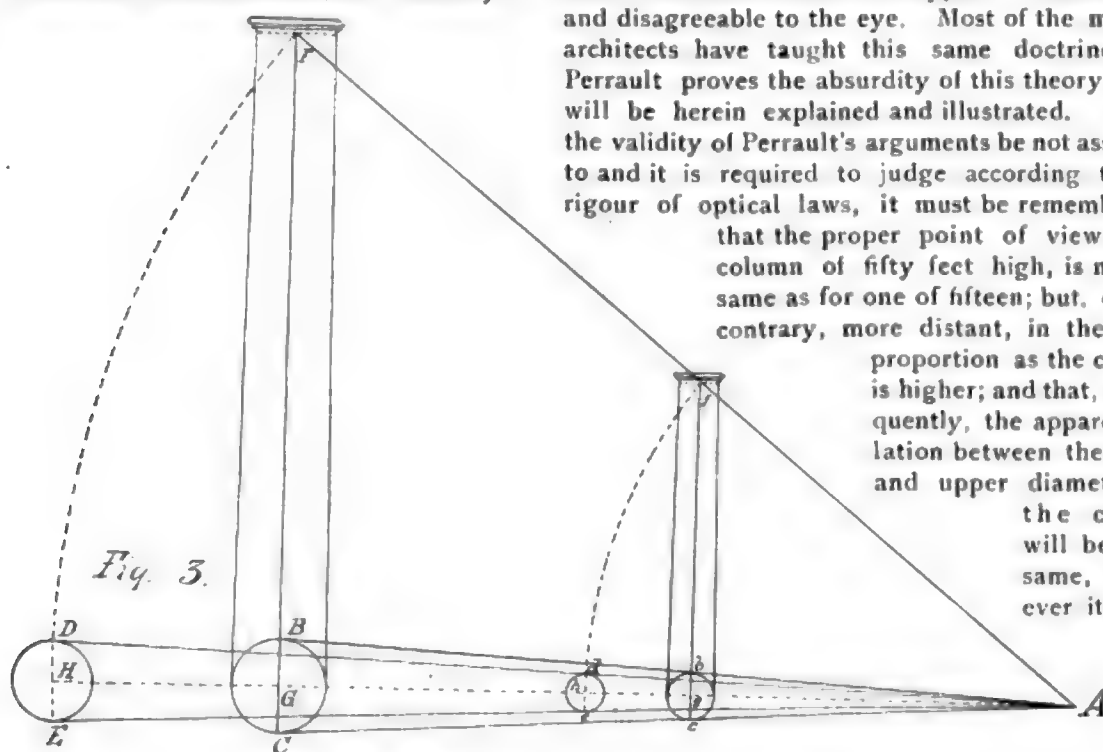
Entasis and Diminutions of Classic Columns.

(Continued)

The last of these columns is by Vitruvius, esteemed the most perfect and Vignola has employed it in four of his orders, as we have in all of them, there being no reason for diminishing the Tuscan column more in proportion to its diameter, than any of the rest; though it is the doctrine of Vitruvius and the practice of Palladio Vignola Scamozzi and almost all the modern architects. On the contrary, as Monsieur Perrault justly observes, its diminution ought to be rather less than more; as it actually is

Vitruvius allots different degrees of diminution to columns of various heights; giving to those of fifteen feet one-sixth of their diameter, to such as are from twenty to thirty feet, one-seventh, and when they are from forty to fifty feet high, one-eighth only; observing that, as the eye is easily deceived in viewing distant objects, which always appear less than they really are, it is necessary to remedy the deception by an increase of the dimensions; otherwise the work will appear ill-constructed and disagreeable to the eye. Most of the modern architects have taught this same doctrine, but Perrault proves the absurdity of this theory which will be herein explained and illustrated. For, if the validity of Perrault's arguments be not assented to and it is required to judge according to the rigour of optical laws, it must be remembered,

that the proper point of view for a column of fifty feet high, is not the same as for one of fifteen; but, on the contrary, more distant, in the same proportion as the column is higher; and that, consequently, the apparent relation between the lower and upper diameters of the column will be the same, whatever its size.



in the Trajan column, at Rome, being there only one-ninth of the diameter. For, even where the same proportion is observed through all the orders, the absolute quantity of the diminution in the Tuscan order, supposing the columns of the same height exceed that in the Corinthian in the ratio of ten to seven; and if, according to the common practice, the Tuscan column be less by one-quarter at the top than at its foot, the difference between the diminution in the Tuscan and in the Corinthian columns will be as fifteen to seven; and in the Tuscan and Doric nearly as fifteen to nine; so that notwithstanding there is a considerable difference between the lower diameters of a Tuscan and of a Doric column; both being of the same height, yet their diameters at the top will be nearly equal, and, consequently the Tuscan will not, in reality be any stronger than the Doric one; which is contrary to the character of the order.

For if we suppose in Fig. 3., A to be a point of view, whose respective distance from each of the columns f, g, F G is equal to the respective heights of each, the triangles f A g, F A G will be similar; and A f, or A h, which is the same, will be to A g, as A F or its equal A H, is to A G: therefore if d e, be in reality to b c, as D E is to B C, it will likewise be apparently so; for the angle d A e will then be to the angle b A c; as the angle D A E is to the angle B A C and if the real relations differ, the apparent ones will also differ.

The eye of the spectator is supposed to be in a line perpendicular to the foot of the shaft; but if the columns be proportionately raised to any height above the eye the argument will remain in force, as the point in view must of course be proportionately more distant; and even when columns are placed immediately on the ground, which seldom or ever is the case, the alteration occasioned by

that situation is too trifling to deserve notice.

Scamozzi who esteems it an essential property of the delicate order to exceed the massy ones in height, has applied the above cited precept of Vitruvius to the different orders; having diminished the Tuscan column one-quarter of its diameter, the Doric one-fifth; the Ionic one-sixth; the Roman or Composite one-seventh; and the Corinthian one-eighth.

In the preceding part of these definitions upon the subject, the fallacy of Vitruvius' ideas has been shown upon principles which cannot be set aside, that is, with respect to the heights of his orders, and where the error of reducing the Tuscan column more than any of the others has been proved and

which diminution is explained by the foregoing arguments; so it is sufficient to say that in anything further said upon the subject, the same reasoning may be employed in continuation.

However, it must not be imagined that the same general proportions of the esteemed works of the Romans and Grecians, who, in the opinions of the most eminent writers, carried architecture to the highest degree of perfection will on all occasions, succeed because consideration should always be given as to the position of the column or monument, and to the several altitudes or depressions from which it will be seen where majesty and grandeur of manner should be extended to their utmost limits.

Franklin L. Naylor.

Monumental Sculpture of Leonardo Bistolfi.

"The monumental poet of Death" is the name which Leonardo Bistolfi of Turin has earned for himself. As a philosopher he does not believe in the horrors of death, and, as an artist, he believes in practising that which he preaches. To him death appears as the happy rounding off of the mortal career, and the monuments which he has

school. Leonardo Bistolfi is his most eminent contradictor in style. Bistolfi's technique is none the less admirable because he is first a poet and because the chisel is to him only that which the goose-quill is to others.

Bistolfi is a Piedmontese by birth. He first saw the light of day at Casale Monferrato near Turin in 1859. He studied at the Academy of Milan and later matriculated at Turin where he remained and which city claims him as its own.

The striking characteristic of Bistolfi's work is the all penetrating thought; his are not creations of idle fancy, of forms, of curves that please. It is his mind that is at work, not his hands. He conceives an idea which to his mind deserves perpetuation in stone. The sketch is made with loyal adherence to the underlying thought. The execution of the monument is true to the sketch. Bistolfi makes no concessions to the stone which he works, no concessions to technique. He remains true to his first love: the idea. He is independent in his methods, brooks no interference on the part of new schools or fanciful whims of erratic critics. He is sincere and possessed of the greatest amount of self reliance. He combines sentiment and originality with inborn grace, tact and aesthetic taste.

Bistolfi began his art studies as an adherent of the Cremona school. That famous Milan painter was the apostle of a class of sentimental realism which prospered exceedingly during the first half of the last century in the Italian art centres. Cremona was also Troubetzkoy's ideal. Bistolfi's faith in the greatness of the Cremona style was, however, rudely scattered during the first decade of his art career. He had painted a group of washerwomen. The critics called the picture coarse, the public coincided with the critics, and a change of heart came over Bistolfi. More ideal landscapes followed this realistic genre, and before long gay



SPHINX MONUMENT IN A TURIN CEMETERY, LEONARDO BISTOLFI, SC.

wrought, bear strongly the characteristics of this belief.

Leonardo Bistolfi is an idealist. He has not chosen monumental sculpture as his profession, because it offered him greater opportunities for pecuniary profit, but because he saw in it a pursuit which would permit him to be idealist at all times. Paul Troubetzkoy, the Russo-Italian sculptor is the realist par excellence of the modern Italian



BURIAL PLOT OF THE DURIO FAMILY, TURIN. LEONARDO BISTOLFI, SC.

colors and brush were forsaken by the young artist for clay and stone. He studied the effect of light and shadow with thoroughness and may be said to be the greatest living manipulator of light effects in stone. His work reminds one of the famous etchings of bygone days. Every bas-relief from his studio is a study in the proper effect of light and air. His contours are what make his figures stand out so impressive and individual. He has often been reproached for going too far in this direction. He has been charged with applying the methods of the painter to monumental sculpture. But Bistolfi believes that he is right and no one can swerve him.

Bistolfi has been honored with orders for monuments for the graves of Italy's leading men and

women. Notable is his work for the burial plot of the Durio family at Turin. His chisel has furnished monuments over the tombs of Garibaldi, the Duke of Acosta, and the Cairoli Brothers.

In his leisure time he models medallions, presses artistic bookbindings, makes posters, (one of his notable achievements in that line having been the poster for the Turin Exposition), writes poems and plays violin and piano in Maestro like style. His mind is ever accessible to the beautiful in whatever form it may be.

Revered and admired for years in his ownland, I believe that I have done a duty in presenting to the monument makers of the United States the personality of Leonardo Bistolfi, "the monumental poet of death." *William Crawford Hirsch.*



RELIEF FOR THE TOMB OF A TURIN POET, LEONARDO BISTOLFI, SC.

MONUMENTAL NOTES

Bills carrying appropriations aggregating about \$2,500,000 have been introduced into Congress during this session.

Monuments have recently been unveiled by the Woodmen of the World in memory of deceased members at the following places: Allen Camp No. 84, of Lima, O., unveiled a monument in memory of J. H. Cremean in Greenlawn Cemetery, between Allentown and Elida, O. * * * A monument to Sovereign Grant Graham was unveiled in the cemetery at Conneaut, O., in the presence of state officials and local lodges of the order. * * * White Oak Camp, of Evansville, Ind., unveiled a monument in Oak Hill Cemetery in memory of W. A. Page and Frederick Kolb. * * * Alamo Camp No. 80, San Jose, Cal., erected a monument in Oak Hill Cemetery in that city. * * * A marble monument was unveiled in the cemetery at West Point, Neb., in memory of Valentine Glat.

The statue of Queen Victoria purchased by the Province of Ontario has been shipped from England, and will soon be in place in Queen's Park, Toronto. The statue cost \$10,000, and is a replica of the one in Hong Kong, showing the Queen attired in state costume, seated on her throne.

A marble tablet in memory of President McKinley was unveiled June 29, in the Metropolitan Methodist Episcopal Church at Washington, D. C. The tablet was a gift of Justice Thomas H. Anderson, of the Supreme Court of the District, who conducted the unveiling ceremonies. Secretary Shaw, prominent senators, representatives and citizens participated in the exercises.

A monument to Colonel W. H. Kinsman, one of Iowa's heroes of the Civil War was recently unveiled in Fairview Cemetery, Council Bluffs, Ia. The memorial is a shaft of gray granite, 20 feet high, tapering slightly from a diameter of 18 inches at the base, and surmounted by a large granite ball. Carved on the shaft is an American flag which encircles the column from near the top to the base and is brought out in relief by being polished in contrast to the rougher surface of the shaft. On the cap is a border of stars, and on the die three inscriptions and a bronze bas-relief bust of Colonel Kinsman.

The monument to the late Richard P. Bland, the well-known champion of free silver, was unveiled June 17 at his former home, Lebanon, Mo. The statue is of white bronze, life size, and represents Mr. Bland addressing an audience, his right hand extended, and his left resting on his hip. The pedestal is four feet square at the base, and six feet high, bearing four panels. On one of them is a silver dollar, on another is a scroll bearing the word Constitution, and on the other two are inscriptions. The statue was modeled by Charles J.

Mulligan, of Chicago, and made by the Western White Bronze Co., of Des Moines, Ia.

The Utica Cemetery Association, Utica, N. Y., has erected on a base of Westerly granite the Sacred Stone of the Oneida Indians, which has rested on a mound near the entrance to the cemetery since 1849. Upon the granite base is a bronze tablet bearing the following inscription:

Sacred Stone of the Oneida Indians.

This Stone was the National Altar of the Oneida Indians Around Which they Gathered From Year to Year to Celebrate Solemn Religious Rites and to Worship the Great Spirit.

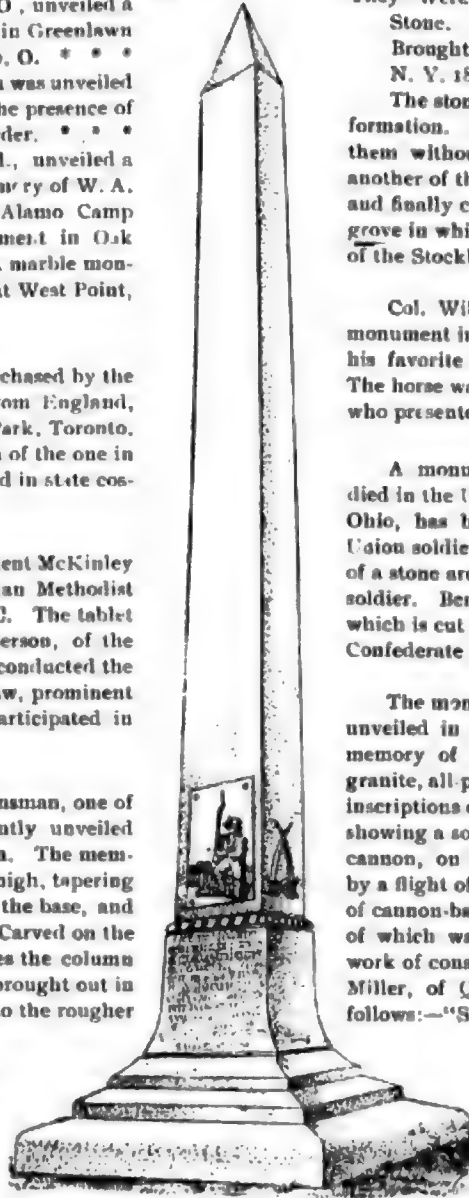
They Were Known as the Tribe of the Upright Stone. This Valuable Historical Relic was Brought here from Stockbridge, Madison County, N. Y. 1849.

The stone is of light granite, said to be of glacial formation. The Oneidas believed that it followed them without the aid of human hands from one to another of their homes throughout a great many ages and finally came to them and located in the butternut grove in which their chief councils were held on one of the Stockbridge hills.

Col. William F. Cody, Buffalo Bill, will erect a monument in Lancaster, Pa., over the grave of one of his favorite horses that died in that city recently. The horse was formerly the charger of General Miles, who presented it to General Cody.

A monument to the Confederate soldiers who died in the Union prison at Camp Chase, Columbus, Ohio, has been erected by William P. Harrison, a Union soldier of Cincinnati. The memorial consists of a stone arch, supporting a statue of a Confederate soldier. Beneath the arch is a rough boulder on which is cut this inscription: "In memory of the 2290 Confederate soldiers who lie buried here."

The monument shown on this page was recently unveiled in Mt. Zion Cemetery, Ephrata, Pa., in memory of Revolutionary soldiers. It is of Quincy granite, all-polished, and stands 39 feet high. It bears inscriptions on all four sides, and a bronze tablet, showing a soldier standing with one foot on a spiked cannon, on the front face. The base is approached by a flight of steps, and at each corner are pyramids of cannon-balls. The monument cost \$7,000, \$5,000 of which was appropriated by the Legislature. The work of construction and erection was done by J. L. Miller, of Quincy, Mass. The inscription reads as follows:—"Sacred to the memory of the patriotic soldiers of the American Revolution who fought in the battle of the Brandywine, September 11, 1777. About five hundred of the sick and wounded were removed to Ephrata for treatment. Several hundred died who were buried in this consecrated ground."



SOLDIERS' MONUMENT EPHRATA, PA.

The soldiers' and sailors' monument unveiled on Riverside Drive, New York, Decoration Day is in the form of a temple of composite Greek and Roman architecture, standing on a broad curved base, approached on two sides by flights of steps. It is 100 feet high, and cost over \$250,000. The structure, including the roof, was built of white Vermont marble, and the base is of Connecticut and Massachusetts granite.

Corbeling.

(Copyright by Donald Fraser.)

The diagram shown in this article is a dome or vault pierced by semi-circular arches, forming at each corner of the plan a Corbel racking out to receive the upper portion of the structure. There are several kinds, the shape of plan governing the method of working the several stones. It will be noticed that in this form, arch stones and corbeling are attached, requiring larger stones and much more work than if they were separate, and making a much more secure and finished job. It is seldom that a dome is cut entirely of stone and one is not often met with, but the problem is interesting and not very difficult. It is very instructive to those who have never met with

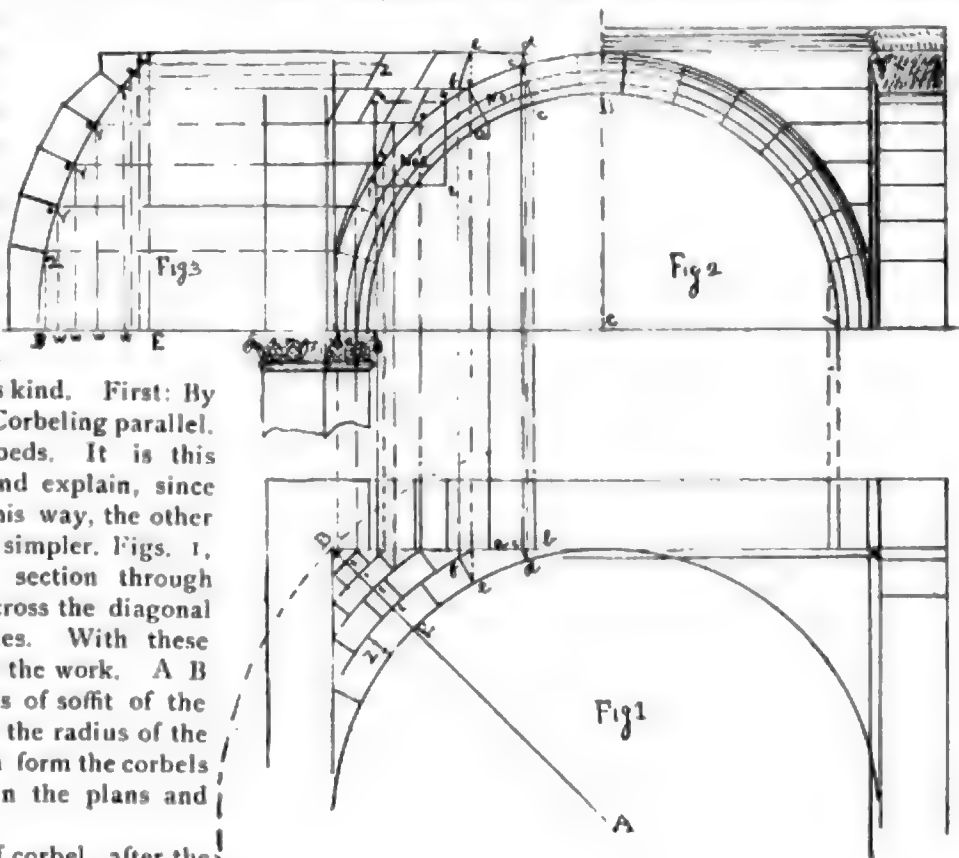
such work, and could be used to advantage in vaults of the higher order where durability and beauty are the chief object. As all corners are alike in the dome it is necessary to work only a part of one, taking up two intermediate, and springer stones. There are two ways

of getting out work of this kind. First: By making the beds of the Corbeling parallel. Second: By radiating beds. It is this method we shall take up and explain, since when one understands this way, the other method becomes much simpler. Figs. 1, 2, and 3, are the plan, section through the centre, and section across the diagonal showing the corbel stones. With these furnished us we must do the work. A B of the plan is the radius of soffit of the dome and c d of Fig. 2 the radius of the intersecting arches which form the corbels in each corner, as E B in the plans and Fig. 3 in the elevation.

To lay out the soffit of corbel, after the arches are divided into the required number of stones, draw lines from o, o, o, o, of Fig. 2 to touch the soffit line of Fig. 3 at Y, Y, Y, drop lines to ground line B E; then carry the distances B W, B W, etc to B X, B X, etc., of the plan. With the radius A E, A X etc., draw curves to touch the solid lines of the arch, and divide the several courses into the different lengths to break joint. You will notice that the joint lines are straight in plan while they look curved in elevation. The reason of this is we get a side view of them. To elevate the joints from the plan let us take joint Z in plan as an example. Divide it into three parts, as 1, 1, carry these distances to W E Fig. 3, as W 1, W 2, erect perpen-

diculars from those points to touch soffit of the top course at o, o, from these points draw lines across to the elevation, and from the plan U 1, raise lines to meet them which will give the points to draw the curve Z in elevation. The top bed of the top course is flat in order to receive the cornice, all the other beds radiating from the centre of plan.

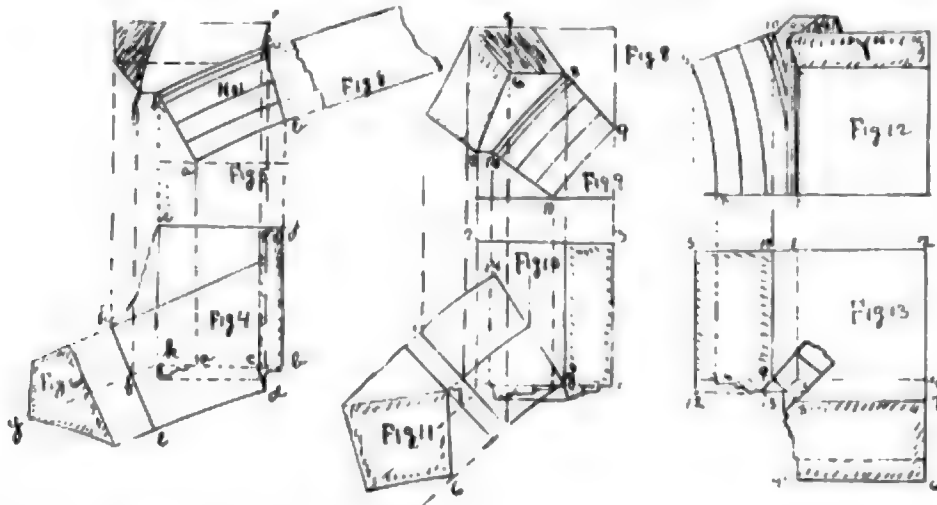
Our next work will be to make the patterns and get the size of stone. Take No. 1 in elevation a, b, c, d, e, f, and letter the points in plan the same as their respective points in elevation. Also in Figs. 4 and 5 are enlarged parts. From No. 1 drop lines from a and b which are the lines on soffit.



Next from d to touch the curve of top in plan at d. Next from o to touch the solid of the arch at C in plan; connect c and d. From e drop a line to touch e in plan; from A in plan draw a line through e, from f in elevation drop a line to meet it in plan at f. Figs. 4, 5, 6, are the different patterns transferred, Fig. 6 being the section of the top course, the bottom being splayed. To fill out a pattern of this kind, a stone the size of Fig. 4 and the height of Fig. 5 will be needed. The first work in cutting this stone is to make the top good and clear, then apply Fig. 4, and mark on the outline e, f, h, i, j, b, c, d, e. Next work joint e, h, and i, j. As

i j, is a back joint, mark on the face pattern Fig. 5. Now work the joints c, b, and a, k. Mark on the corbel section Fig. 6 and the arch stone section Fig. 8, being careful that the moulds are at their proper place. Rough off the corbel soffit and arch stone face, and when this is done work that part of the face required for the nose or band of the section, next the soffit of arch stone and then the other members. The corbel is worked by setting a bevel to Fig. 6, as the nose line is along C, K. You could make a templet from Fig. 6, and cut the soffit of corbel by holding one end on c d and the other along c k. The bottom bed of the corbel can be finished as the lines can be drawn in as shown.

Stone No. 2 in Fig. 2 is the next work, both beds being splayed making more work. Figs. 9, 10, 11, are the enlarged diagrams. Enclose No. 2 at Fig. 2 with lines as shown by 1, 2, 3, 4, which



will give the extreme height of the stone required, the width and breadth will be found on the enlarged diagrams. Every point on the plan is raised to connect with its corresponding point in elevation.

TO CUT THE STONE: Work the top, then apply the plan pattern 1, 2, 3, 4, 5, Fig. 10, next the back joint 2, 3, and the joint 1, 5. Square down from 5 on the top a square line 5, 6. Apply Fig. 11, on this joint holding the points 7 and 6 at the right place. Next apply the face pattern at the back 2, 3. Care must be used in marking this pattern. The lines on the plan can serve as a guide. Now work the joints 8, 9, and 10, 11, and then mark on the joint mould Fig. 8. Next work a curve draft at 6, 8, with a templet taken from the plan at 5, 8; connect 6, 8, by a straight line. Now work off the top splayed bed in drafts in the direction of 7, 5 of the plan or 7, 6, of the elevation, as the bed is a conical surface. Now work a draft from 12 to 10 to the nose of arch stone. Then the soffit 9, 11. Rough out the face and corbel, cut a straight draft

through 8, 10, for the nose of the arch stone; then finish corbel soffit and face of arch stone. Now work joint 8, 14 far enough back to receive the stone that butts against it. The back of the corbel need not be worked as it does not interfere with any part. It is not necessary to have the stones the height shown here; they can be greatly lessened in size, curtailing material and much work in shaping them. The haunches at the required point can be weighted by cheaper material.

Figs. 12 and 13 are the plan and elevation of the double springer. The size of stone can readily be obtained from the plan and elevation. There is a small splay piece left on the top. This makes work and takes time; it is therefore left to the option of the constructor whether it is left on the bed worked flat, as it does not materially affect the strength of the corbel. First work the bottom 1, 2, 3, 4, next 2, 5, and 2, 6, and then apply the joint

pattern I. X, 5, 10. Have all your points correct on the plan pattern, and there is no danger of going astray. This pattern will give the height to cut the top joints at 5, 10, and Y, now draw lines square with 2, 10, and 2, 7, as 10, 9, and 7, 8, equal to the width of the stone at the solid. Connect 8, 9, with a curve taken from the plan. Now mark the section mould on the joints and bottom beds. The nose line will give the cutting lines for the check to be cut out as 12, 13, 14. Then cut the numbers on the face and last the corbel and chamfer part using the bevel as explained before. If the small splay is left on the top, use a bevel taken from Fig. 3 as 1, 2, B. The key and the stone can now be worked in the same manner as a straight arch, using a part of the curve Fig. 3 for the corbeled parts. A pattern will be needed for every stone of the arch face; each being different and requiring four pairs of intermediate stones on the right and left. The springers can be set at any corner and the key at any centre.

Sculpture.

JOSEPH SIBBELI, New York, has completed the model for a statue of St. John to adorn the altar of St. John's church, Schenectady, N. Y. It is to be of Carrara marble, and will stand nine feet high.

JOHAN ROGERS will present to the town of Manchester, N. H. a plaster cast of his group, "The Landing of the Norsemen," recently on exhibition at Brooklyn Institute of Fine Arts. The cast is half life-size, and has been shown at the Corcoran Art Gallery and at other places.

W. S. ALLWARD, Toronto, Ont., has finished his model for a statue of Governor John Graves Simcoe, of Ontario, which is to be erected in Toronto. The statue has been accepted by the Guild of Civic Art and the Simcoe Monument Committee, and is to be cast in bronze in a few months.

AUGUSTUS ST. GAUDENS has been commissioned to model the bronze statue of Marcus Daly the late millionaire mine owner of Montana to be erected in Butte by the Daly Memorial Association. The statue will cost \$25,000, which was contributed by the friends of Mr. Daly. The unveiling is set for the fall of next year on the anniversary of his death.

Sculptor FREMIET has just completed in Paris the model for the equestrian statue of General John Eager Howard to be erected in Washington Square, Baltimore, Md. The model shows the Revolutionary hero in a striking attitude with arm out-stretched in a gesture of command. The statue will be cast in bronze and placed on exhibition at the Paris Salon of next year.

ISADOR KONTI modeled the bronze bas-relief which was unveiled June 17 at Syracuse, N. Y., by the Daughters of the American Revolution. The panel is in memory of soldiers and sailors of Onondaga county who fought in the Revolution, and is placed in the Federal building. The design shows a marching column of soldiers, guided by a figure of Victory hovering over them, bearing a palm branch in her hand.

BIONDI'S bronze group "A Roman Saturnalia," which took the Grand Prix at Paris and was on exhibition at the Pan-American Exposition, has aroused the opposition of the National Sculpture Society to its public exhibition at the Metropolitan Museum of Art in New York. The work shows a group of Roman revellers during the period of Rome's decadence and the Society has advised the Fine-Arts Federation not to accept it.

GEORGE T. BREWSTER, of New York, has modeled a statue of a soldier and a drummer boy defending the flag, which was presented by Mr. and Mrs. Joseph W. Stickler, of Orange, N. J., to the town of Athens, Pa., and recently unveiled there as a memorial to all soldiers who fought for the flag. The figures are of bronze, heroic size, and mounted on a granite pedestal.

PROP. UPHUES is the sculptor of the statue of Frederick the Great of Prussia, which, it is reported Emperor William is to present to the United States. It was designed chiefly by the Kaiser himself, and stands in the famous "Avenue of

Victory" in Berlin. The statue is in marble, and represents Frederick as a young man, standing in simple and life-like pose. The sculptor will reproduce it in bronze for erection in Washington as a gift of the Emperor.

MISS ANNE WHITNEY, of Boston, who is 80 years old, has modeled a statue of Charles Sumner, which was recently cast in bronze at the Ames Foundries, Chicopee, Mass. The work is said to be an excellent piece of portraiture and shows the statesman seated in an arm-chair in deep thought, suggested presumably by what he has been reading from a book which he holds on his knee. It is designed for erection in Cambridge, Mass.

STEPHAN SINDING, the Swedish sculptor, has finished a figure of "War," to be one of the subsidiary groups for the Sherman monument, in Washington. The commission came to him through the widow of Carl Rohlf-Smith, who left the monument incomplete at his death. The design shows a dead soldier lying prone, while a fierce feminine figure stands over him, half draped and her arm bound. A raven is about to pick out the man's eyes. Sinding, who is a brother of Christian Sinding, the composer, is expected to visit the United States this fall.

MAX KLINGER, the German sculptor is putting the finishing touches to a polychrome statue of Beethoven on which he has been working for fifteen years. Beethoven is represented in white marble, seated on a throne of gilded bronze, decorated with bas-reliefs of Adam and Eve, Tantalus, Aphrodite and the crucifixion. A huge eagle in black marble poses at the foot of the statue with outspread wings. The monument was exhibited at Vienna on the seventy-fifth anniversary of the death of the great composer, and an effort will be made to bring it to the St. Louis Exposition in 1904. The statue is to cost \$100,000.

THE State of Virginia has decided to permit no more casts to be made of the original Houlton bust of Washington which is in the state capital at Richmond. It was finished in 1788 at Mount Vernon by Jean Antoine Houlton and a plaster cast of it is now in Statuary Hall, Washington, D. C. The sculptor received 1,000 guineas and life insurance of 20,000 livres for his services. Five bronze copies of it, which were made with great care nearly fifty years ago, have been scattered; one is in the Capitol of South Carolina, another at Raleigh, a third in Lexington, Va., a fourth in Lafayette Park, St. Louis, and the fifth in the art museum of Cincinnati. As the taking of these copies caused some slight discoloration of the original, the State of Virginia has decided to permit no more.

THE New York *Daily News* has selected a jury of nine well-known sculptors to choose what they believe to be the six finest public statues in that city. Each juror selected six statues, and from the works thus individually chosen, the six receiving the highest number of votes were selected, and are to be described and criticized by the sculptors selecting them. The six that have been chosen are as follows: St. Gaudens' Farragut in Madison Square; Macmonnies' Nathan Hale, City Hall Park; Ward's Washington, Sub-Treasury Building; Brown's equestrian Washington in Union Square; French's Hunt Memorial, Fifth avenue and Seventieth Street; and Bissell's De Puyser, Bowling Green. The following sculptors composed the jury: J. Q. A. Ward, George Grey Barnard, Frank Edwin Ellwell, Charles H. Niehaus, Karl Bitter, Hermon A. MacNeil, Paul W. Bartlett, William Couper, and Charles A. Lopez.



1st Prize. Abastenia Eberle.

3d Prize. J. F. Burdick.

1st Honorable Mention. Miss Marguerite Carpenter.

PRIZE MODELS, ART STUDENTS' LEAGUE, NEW YORK

Sculpture Prizes, Art Students' League, New York.

The final award of prizes and scholarships for the winter term, was made at the studios of the Art Students' League of New York, May 30th. There were four competitions to be decided. The jury of instructors making the awards were Charles C. Curran, Kenyon Cox, George Grey Barnard, Wm. St. J. Harper and Irving R. Wiles.

The Sculpture Prize of \$100.00 given by a member of the League for the best work done in the day and evening sculpture classes during the season of 1901-1902 was won by Miss Abastenia Eberle. The scholarship consisting of one year's free tuition in the classes of the League, given for the best work done in the sculpture classes was awarded to John Burdick. First honorable mention was made for work shown by Miss Marguerite Carpenter and second honorable mention went to Edward McCartan. In reporting the awards in the sculpture classes the jury expressed its pleasure at the high standard of the work done in these

classes under George Grey Barnard's instruction during the past season. Three of the prize winning models are shown in our illustration.

The Evans Prize of \$50.00 given annually by William T. Evans for the encouragement of the practical side of art was offered this season for the best cover design to be used on the League year book for 1902-1903. Mr. Wallace Wier Fahnestock was the winner. The Architectural Prize of \$50.00 given by an architect for the best historical architectural composition made by a student of the architectural class was awarded by a jury composed of

architects and the instructor of the class, Henry O. Hornbostel. The successful competitor was George F. Of, Jr.

A special exhibition of the work of the sculpture class was opened to the public on Tuesday, June third, at which the prize models shown on this page and a number of others were placed on view at the rooms of the League.



THE JURY OF AWARDS, ART STUDENTS' LEAGUE.

From left to right they are: George Grey Barnard, Kenyon Cox, Wm. St. J. Harper, Irving R. Wiles, Chas. C. Curran.

PROPOSED MONUMENTS

Washington, D. C. The following bills making appropriations for monuments and statues have been introduced in Congress since the last report.

By Representative Finley. A bill appropriating \$25,000 for the erection of a monument on Cowpens battle ground, Cherokee County, S. C., commemorative of General Daniel Morgan and those who participated in the battle of Cowpens on January 30, 1781.

By Representative Bartholdt. A bill appropriating the sum of \$50,000 for the erection of an equestrian statue to the memory of Baron Steuben at Washington, D. C.

By Senator Dietrich. A joint resolution authorizing the Secretary of War to furnish one condemned cannon for a monument to be erected to the memory of the late James Land at Hastings, Neb.

The House Committee on the Library, to whom was referred the bill providing for the erection at Fredericksburg, Va., of a monument to the memory of General Hugh Mercer, agreed to by Congress on April 8, 1777, have recommended that the original appropriation of \$50,000 which was asked for be reduced to \$25,000 and that the bill as amended be passed.

By Senator Martin. A bill appropriating \$20,000 for the erection of a monument in Washington, D. C., to the memory of Matthew Fontaine Maury, of Virginia.

The House Committee on the Library, to whom was referred the joint resolution appropriating the sum of \$100,000 as a part contribution to the erection of a monument to the memory of the so-called prison ship martyrs, in Fort Greene Park, Brooklyn, N. Y., have made a favorable report on the resolution. The report sets forth that the sum of \$25,000 has been raised by private subscription. The government of the State of New York has also authorized the appropriation of \$75,000 as a contribution toward the erection of the monument in question.

The committee have also favorably reported the bill appropriating money to be expended in the erection of a monument in Sumpter City, S. C., to commemorate the illustrious public services of Major-General Thomas Sumpter, a distinguished Revolutionary general. The committee reduced the appropriation from \$25,000 to \$10,000.

The same committee has taken similar action on the bill appropriating money to inclose and beautify the grounds and repair the monument on the Moores Creek battlefield, in North Carolina. The bill as originally introduced provided for the appropriation of \$10,000 for this purpose, but the committee reduced the amount to \$5,000.

The committee have authorized a favorable report on the bill appropriating \$5,000 for the erection of a monument in honor of the memory of Brig.-Gen. William Lee Davidson and Brig.-Gen. Francis Nash, according to the resolution of Congress passed on November 4, 1777. These monuments are to be erected in North Carolina.

The Currier bill appropriating \$50,000 for the erection of a monumental statue in Washington, D. C., to Paul Jones, founder of the American Navy, has been favorably reported by the House Committee on the Library.

By Representative Burleson. A bill appropriating \$100,000 for the purchase of statues, (not equestrian) of Baron Johann De Kalb and Count Casimir Pulaski, and erecting them on Lafayette Square, in Washington, D. C. The two statues shall

harmonize in general design with the Lafayette and Rochambeau statues in Lafayette Square.

By Representative Bartholdt. A bill appropriating \$25,000 for the erection of a monument to the memory of Brig. Gen. Nathaniel Lyon on the Government reservation known as Lyon Park, at St. Louis, Mo.

The House Committee on the Library, to whom was referred the Brick bill appropriating \$50,000 for the erection of a suitable bronze equestrian statue of the late Brig. Gen. Count Casimir Pulaski, of Poland, have recommended the passage of the bill with a few slight amendments, which do not change the essential provisions of the bill as introduced.

The bill appropriating \$25,000 for the erection, at Fredericksburg, Va., of a monument to the memory of General Hugh Mercer, has passed the House and is now pending in the Senate.

By Senator Hoar. A joint resolution authorizing the Secretary of War to furnish condemned cannon for a monument to the soldiers of Worcester County who served in the war of the Union, to be surmounted by an equestrian statue of the late Major-Gen. Charles Devens, U. S. V.

The joint resolution authorizing the Secretary of War to deliver to the Governor of New Jersey such condemned bronze cannon as he may deem proper to be used in the erection of an equestrian statue to the memory of the late Maj. Gen. W. J. Sewell, U. S. V.

By Senator Elkins. A bill appropriating \$10,000 for the erection of a monument to perpetuate the memory of James Morgan and Morgan Morgan, who performed gallant service under General St. Clair during his campaign against the Indians along the Ohio River.

Denver, Col. An Association has been formed here for the purpose of erecting a monument to Robert Burns, and a committee has been appointed to select a design.

Portland, Ore. The Soldiers' Monument Association dedicated the site for the proposed monument in Lone Fir Cemetery on Memorial Day.

Pittsburg, Pa. A monument is to be erected by the Pittsburg Railways Co., to mark the site of Braddock's defeat in 1755. It will stand in Kennywood Park on a site commanding a view of the battleground.

Members of Friend W. Jenkins, Camp Service Men of the Spanish War, are raising funds for a monument to Friend W. Jenkins. Private subscriptions now amount to over \$1,000, and are rapidly growing. Thomas C. Jenkins, a relative of the hero, will double the amount received from subscriptions.

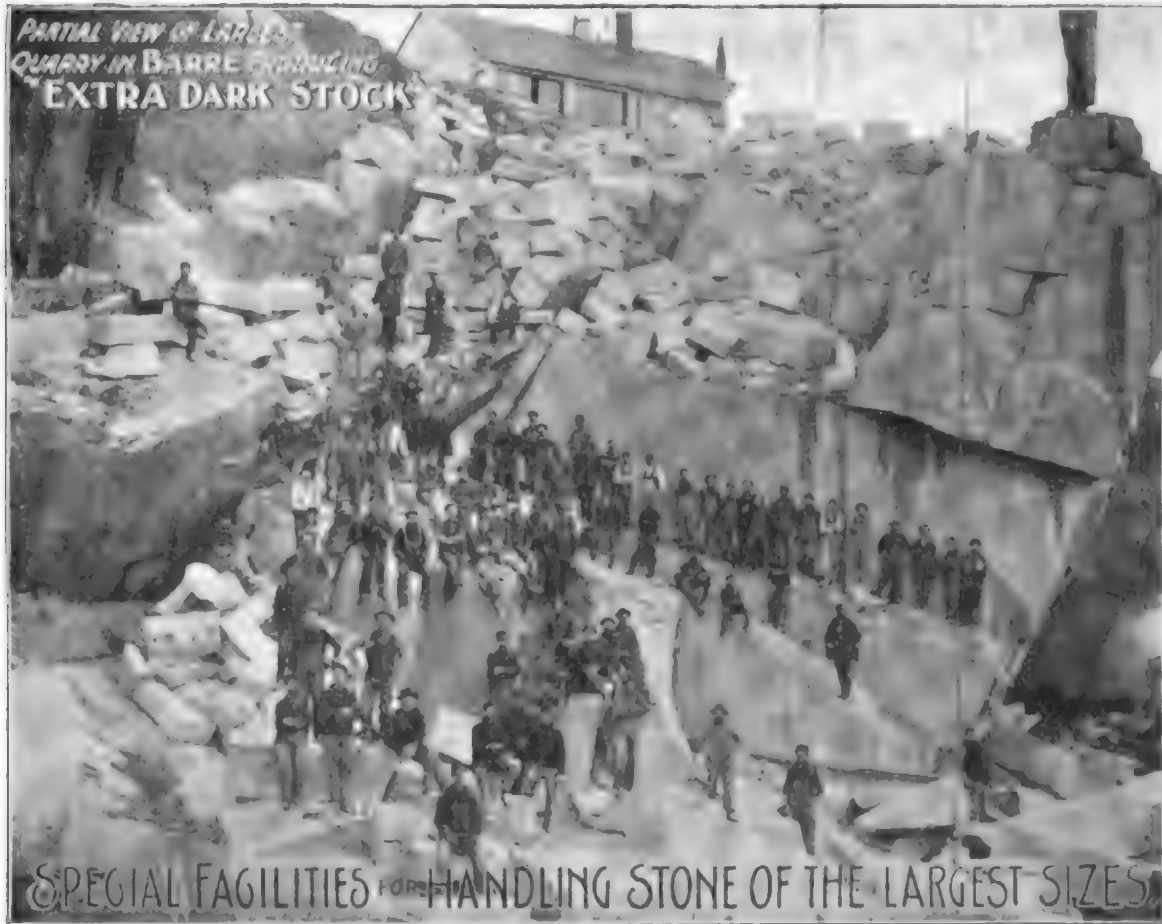
Newark, N. J. The New Jersey chapter of the Colonial Dames will erect a bronze tablet on the wall of the First Presbyterian Church to commemorate the first settlers of the city. The design has not yet been selected.

Springfield, Ill. The fund for the erection of a monument over the grave of former Governor John R. Tanner has now reached \$25,000. It is proposed to raise \$10,000 more.

Brooklyn, N. Y. Members of the DeLong Council, Royal Arcanum will erect a monument over the grave of the late senior past regent, Joseph A. Mooly, whose death occurred a few months ago. The funds will be raised by voluntary contributions.

Cheyenne, Wyo. A movement has been inaugurated here for the erection of a monument to James Bridger, the pioneer guide and hunter of Wyoming. Definite plans have not been formulated.

Media, Pa. A monument to the soldier and sailor dead of Delaware county is to be erected in front of the Court House in Media. The county is to appropriate \$1,000 to the fund, and half that amount is expected to be raised by subscription.



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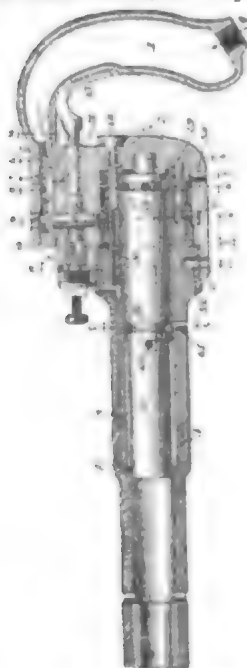
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A PNEUMATIC HAMMER.

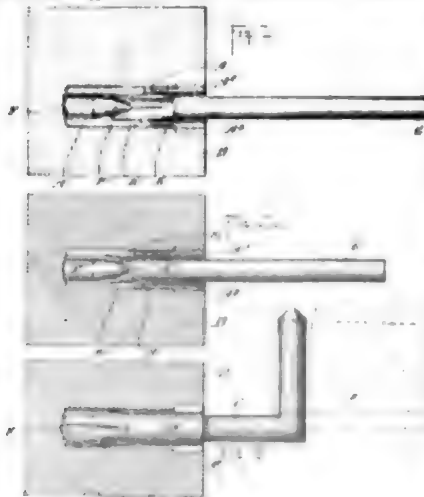
The pneumatic hammer shown in longitudinal section in the drawing, has four essential points claimed by the inventor as follows: first, the improved arrangement of the main valve



PNEUMATIC HAMMER.

between the cylinder 3, and the breech-piece, 2, controlling the admission and escape of air; second, it provides a constant air pressure to force the main valve to its cut-off and escape position by the arrangement of passages and parts controlled by the piston; third, to provide a cut-off valve independent of the throttle-valve which can be adjusted so as to partly or wholly close off the air-supply to the main valve, or can be automatically closed at any point in the forward movement of the piston to shut off the air supply and thus regulate the force of the blow imparted; and fourth, to provide an improved means of locking the cylinder and breech-piece together. In cylinder 3, is the piston 35, having its front portion slightly smaller in diameter than its rear portion, in which is near its front end an annular recess 36 and near its rear end a similar annular recess 37. Running centrally and longitudinally through the piston 35 is a passage terminating at its rear end at the annular recess 37, into which it opens through ports 39, and at its front end just in front of the larger rear portion of the piston, where it opens into the cylinder-chamber through ports 40. By means of a regulating-screw tapped into the cut-off-valve chamber, the valve may be forced forward permanently and independently of the air-pressure to partially or even wholly cut off the passage 5. Thus with a constant air-pressure in the handle 1 and passage 4 the pressure admitted to the annular chamber 6 may be accurately adjusted independently of the throttle-valve 11 and without interfering with the automatic action of the cut-off-valve

through the rod or stem. Heretofore in devices of this character it has been found almost impossible to effectually lock the cylinder 3 and the breech-piece 2 together since the constant jar of the piston 35 inevitably tends to loosen the screw connection. To obviate this, the cylinder 3 and breech-piece 2 are screwed together by power devices to the full limit



FASTENING METAL OR WOOD TO STONE.

and then unscrewed a fraction of an inch. A hole is then bored through the breech-piece 2, and part way into the cylinder 3, into which is forced a soft-metal plug 52. The parts are again

screwed up to their limit, which slightly bends or upsets the plug at the point of juncture of the cylinder and breech-piece. This effectually prevents its withdrawal or working out, while at the same time the resistance offered by the plug to the unscrewing of the parts has been found in practice to be effectual. (Patent No. 690,358, by William Burlingame, Richmond, Va.)

TO FASTEN METAL OR WOOD TO STONE.

This device is a form of "expansion bolt" for fastening metal or woodwork to stone without injuring the stone. Figure 1 on page 420 shows a stone with the improved expansion bolt inserted prior to the securing of the bolt. Fig. 2 illustrates the position of the parts after expansion. Fig. 3 shows the expanded bolt connected with a shutter-support. In applying the invention the shell A is first introduced into a suitably-bored hole in the stone B; then the expander P is pushed through the bore of the shell until it abuts against the stone, when the tube E is inserted so that its split end will engage the conical portion P' of the expander. With the parts in this position a suitable driver, such as a rod G, is introduced into the outer end of the shell and held against the tube E. By delivering blows upon the outer end of the driver G the tube E is then forced inward, and in doing this the split end of the tube E is expanded as soon as it slips over the conical surface of the expander P and wedges itself between the expander and the split end of the shell A. This forces the inner end of the shell against the stone, expanding the shell, so as to securely clamp it in place. During the expansion no part of the fastening device which is in engagement with the stone slides on the stone, and the blows are not transmitted to the stone directly, thus avoiding two drawbacks, which in devices used hitherto have often caused a stone to be injured by cracking or even breaking.

(Patent No. 696,284, By Thomas P. Hicks, New York City.)

SECTIONAL COPING FOR GRAVES.

This invention is intended to provide an improved coping for graves by forming sections in molds and combining fastening devices with them in such a manner that the fastening parts are concealed when the sections are united. Figure 1, shown on page 420 is a coping formed in four pieces detachably connected. Figure 2 is a perspective view showing ends of two pieces connecting them with mating pieces to produce a complete coping. Figure 3 is a diagrammatical view of a piece of flat plate metal for making a hook adapted to be fastened in the end of a piece of coping, as shown in Figure 2. Each one of the four sections of coping is elbow-shaped, and their longest portions A produce the parallel sides and their shorter portions B the ends of the complete coping. They are artificial stone made of sand and cement in suitable molds and are connected by means of hooks and eyes formed of metal and fixed thereto as shown or in any suitable way, so the metal fastening devices will be concealed when the sections are connected, as shown in Figure 1. C is a metal plate, from which a central portion D of one end is cut loose, so it can be bent into shape to produce a rearward extension or arm to be placed in a mold and embedded in the end of a section to which it securely fixes the hook. The other portion of the same end of the plate C is also bent downward to produce a hook H, and the other end bent rearward to produce an arm J, that can be embedded in the composition shaped in the mold to produce a section of coping. One end of each section is thus provided with a fixed hook and its other end with an eye or loop P, embedded and fastened therein to admit the hook H.

(Patent No. 691,169, by Edward T. Owen, Van Wert, Ia.)

(Continued on page 420.)

THE QUINCY GRANITE QUARRIES CO.**QUINCY, MASS.**

If prompt delivery is an object, specify our
"HITCHCOCK" or "DELL"

MEDIUM QUINCY

We can guarantee a production of over 10,000 feet of medium stock per month and will accept orders for ordinary sizes in carload lots subject to shipment **WITHIN TEN DAYS FROM RECEIPT OF ORDER.**

Finished work will be furnished with corresponding promptness. Large sizes up to transportation limits require extra time.

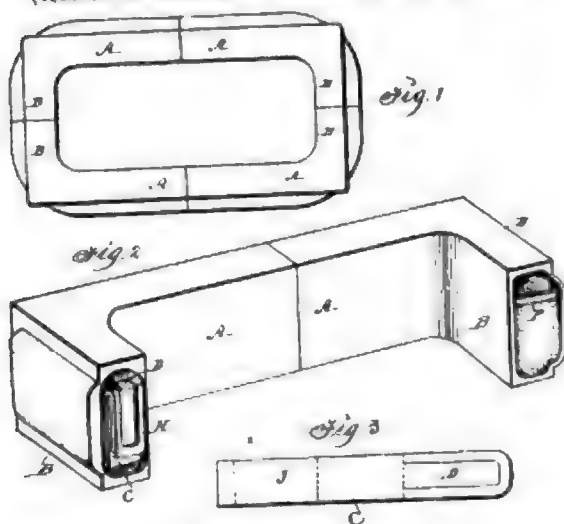


VIEW IN MEDIUM QUARRY NO. 2, JUNE 1902.

Our Dark and Extra Dark quarries are being steadily enlarged and improved and we can furnish stock in these grades as rapidly as the enormous demand will permit. We are the

Largest Producers**OF MONUMENT GRANITE****IN THE WORLD**

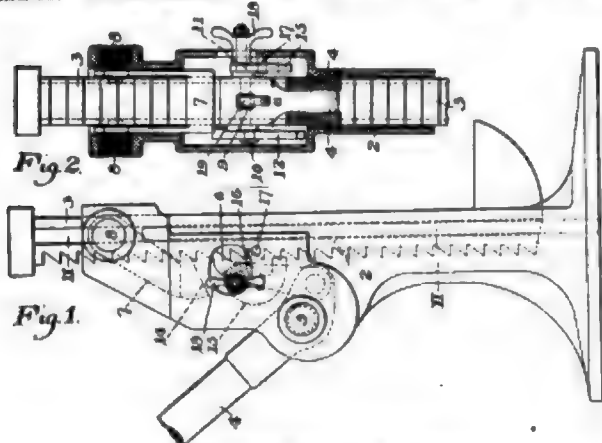
(Recent Inventions.—Continued from page 418.)



A SECTIONAL GRAVE COPING.

AN IMPROVED LIFTING-JACK.

The object of this jack is to do away with the use of springs commonly employed in these devices for changing the pawls from their position. To do the work of the springs, swinging weights are arranged in such a manner that they will act upon the pawls to reverse the movement of the jack. Figure 1 shows a side elevation, and Figure 2 a vertical section on the line II II of Figure 1. In the drawings, 2 represents the hollow standard or casing of the jack, and 3 the toothed lifting-bar vertically guided therein. No. 4 is the operating-lever, pivoted at 5 to the hollow standard and having pawl 6 pivoted to its inner end. The novel mechanism by which the action of the jack is reversed is described as follows: A crank-shaft 9 is mounted in a proper bearing in the lower pawl, this shaft having at its opposite ends oppositely-extending crank-arms 10 and 11. To the crank-arm 10 is pivoted a weight 12, having



AN IMPROVED LIFTING JACK.

an upper nose portion arranged to contact with the inclined lower end face 14 of the upper pawl. The other crank-arm 11 is provided with a weight 15 of the general form shown in Figure 1, it having a curved recessed portion which in certain positions engages a pin 17 on the inside of the casing. The crank-arm 11 is provided with a pin or turnbutton 18, which projects through a hole in the side of the casing and by which the crank or eccentric shaft may be turned. The shaft is retained in either position by means of a spring-latch 19, which engages suitable recesses cut away in the central part of the pawl to receive the latch.

(Patent No. 690,287, by Lewis O. Menggi, Verona, Pa.)

ACCIDENTS AVOIDED, TIME SAVED

—BY USING THE POPULAR—

SURE GRIP.**Steel Tackle Block.**

Best Block in Use for Setting Monuments.

Holds load at any point. The brake has a double grip absolutely automatic and reliable. Cheapest because the best. Price List on application.

Fulton Iron and Engine Works, Detroit, Mich.

**DESIGNS**

Send for Illustrated Circular of Photos.

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ARE MADE BY

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18 BENNETT ST.,

BOSTON,

MASS.

BRIGHTON P. O.

**ILLUSTRATIONS.**

Plates in Photogravure Edition.

(Formerly The International Edition).

NO. 632. SOLDIERS' MONUMENT, WAKEFIELD, MASS., Dedicated June 17, 1902, under the direction of the Warren Post, G. A. R. The monument is made of Westerly granite and stands 53 feet in height. The base is an irregular octagon in plan and forms pedestals on four sides of the circular die. On these pedestals are full life size figures in granite, cut from original models representing the four branches of the service. The die, column and cap are richly moulded and carved and surmounted by a granite statue of a soldier representing a color sergeant. The memorial was erected at a cost of \$10,000 received as a bequest from the late Mrs. Harriet N. Flint. The Van Amringe Granite Co., of Boston, Mass., were designers and contractors and the work was executed for them by the Smith Granite Co., of Westerly, R. I.

NO. 633. DESIGN FOR CROSS MONUMENT, "MARquette." Sizes: Base, 6-0 X 3-6 X 1-0; Base, 4-0 X 2-6 X 0-11; Die, 3-0 X 1-6 X 5-2; Height, 7-1.

NO. 634. DESIGN FOR TABLET, "CLARK." BY E. H. Gibson, Clyde, Ohio. Sizes: Base, 3-8 X 1-10 X 1-4; Die, 3-4 X 1-3 X 2-6.

NO. 635. DESIGN FOR SIDEHILL MAUSOLEUM, "GORDON," by R. C. Blocksom, Boston, Mass.

NO. 636. CELTIC CROSS, RECENTLY UNVEILED AT Hamont Bridge, England, in memory of Troopers Todd and Hindson, who fell in South Africa. The memorial consists of two chamfered bases, and a tapered die, supporting a plinth, which is surmounted by a graceful Celtic cross bearing bronze portraits in high relief of the two soldiers.

Granite Polishing Supplies

Carborundum in Grains, Bricks and Wheels

REMEMBER: It only requires one-fifth the quantity of Carborundum that it does of emery and saves one-half the labor.

SCOTCH STEEL SHOT

We guarantee David Mowat's Shot to be the very best in the world. We have been handling it the past ten years and our importations have exceeded all other shots combined, which speaks for itself.

R. J. WADDELL & CO.'S PUTTY POWDER, MURIATIC ACID, CALCINED PLASTER, GERMAN FELT.

WRITE FOR PRICE LIST.

R. C. BOWERS GRANITE CO.

No. 27 Chancery Lane, LONDON, W. C. ENG.
No. 20 Correction Wynd, ABERDEEN, SCOTLAND.

MONTPELIER, VT.



JOHN THOMPSON & SONS

Manufacturers and Wholesale
Dealers in all Kinds of . . .

New England Granite

MONUMENTS, TOMBS,
STATUARY, BUILDINGS, Etc.

The Finest Grades of Quincy Granite
A SPECIALTY.

MASSACHUSETTS MONUMENT AT ANDERSONVILLE, GA.
CUT AND ERECTED BY JOHN THOMPSON & SONS,
Slabs: 10-6x7-6x14-2.

Quarry Street, QUINCY, MASS.

Notes of Retail Dealers.

ALABAMA.

William Stewart, formerly of Tennessee, will open a shop at Decatur.

D. J. McDonald has sold his interest in the marble and stone business of D. J. McDonald & Co., at Mobile to J. C. Miles, who will continue the business in addition to operating the sawmill plant of the Yellow Pine Lumber Co.

CANADA.

Forty-seven members of the Marble Workers' Union at Toronto, Ont., have struck for an increase of wages. The Union includes the marble cutters and polishers, who recently amalgamated, forming a joint local branch of the International Marble Workers' Union. The present rates of wages are: For polishers from 14 to 16½ cents an hour, and a ten-hour day; for cutters, 20 cents an hour, for both inside and outside work, ten hours a day. The men have demanded 25 cents an hour for polishers and 30 cents for cutters. Two firms are reported to have agreed to the scale.

COLORADO.

J. A. Byrne, with J. D. McGilvary, of Denver, is at present in Colorado Springs, executing the two main doorways of the El Paso county court-house in that city. He has just returned from San Francisco, where he has been employed for the last 19 months on the ornamental work of the Leland Stanford University buildings.

CONNECTICUT.

The contract for the soldiers' monument to be erected at Thomaston has been let to David E. Mattoon, of Plymouth. It is to be of Quincy granite, 27½ feet high, surmounted by a statue of pink Westerly granite, representing a soldier at parade rest. It will be ornamented with relief carving of the United States coat-of-arms, the Connecticut coat-of-arms, the G. A. R. emblem, and a laurel wreath. The monument complete will weigh 40 tons.

William M. Hallie, a dealer of Hartford, died May 19, after an illness of several weeks.

Geo. C. Arms, of Bristol, for many years an esteemed subscriber of this journal, has been engaged in the retail monument business for forty years and has never employed an agent. He is 75 years old, and has done business to the amount of about \$300,000, with losses of less than \$150. How many dealers are there in the trade who can make such a showing as this? Mr. Arms writes that business is good.

ILLINOIS.

John and Alexander Davidson, president and vice-president respectively, of the Davidson Brothers' Marble Co., of Chicago, have filed a petition in bankruptcy, with liabilities scheduled at \$1,341,838, and assets of \$750.

John Welch, of Antioch, erected the soldiers' monument recently unveiled in Warren Cemetery, Warren Township. It is 23 feet high, and made of Barre granite.

William Ballard has opened a shop at Anna.

C. N. Clarke & Co., of Champaign, have added a large derrick to their equipment.

KENTUCKY.

The Glasgow Marble & Granite Works succeed J. W. Dearing & Bros. at Glasgow.

MARYLAND.

Hugh Simon & Sons, 210 E. Baltimore street, Baltimore, report business good on small orders, and say that there is no decrease in the demand for marble.

KANSAS.

Mackey & Barcus, of Emporia, have moved into a new building near the court-house.

Benham & Robertson succeed C. W. Benham at Beloit. Business prospects are fair with them for fall trade.

MASSACHUSETTS.

The soldiers' monument illustrated on this page was unveiled June 4, on the historic Taunton Green, at Taunton. It was a gift of Mr. Cyrus H. Lothrop, a retired manufacturer of



SOLDIERS' MONUMENT, TAUNTON, MASS.

that city, and was unveiled under the auspices of the local G. A. R. post. It is of Westerly granite, 27 feet high, and is ornamented on the pedestal and plinth with carvings of the insignia of the navy, and the corps emblems. The statue is seven feet high, and represents a young infantryman in service uniform, standing at parade rest. It was carved at the New England Granite Works, Westerly, R. I., for John B. Sullivan & Son, of Taunton, the contractors for the monument. Mr. Sullivan writes that the monument to Robert Treat Paine, for which Richard Brooks has the commission, is to be erected in front of the city hall in Taunton.

William G. Cook and W. D. Kenneth, have formed a co-partnership under the firm name of the Westerly Granite Co., with offices at 390 Boylston St., Boston. Both members of the firm were formerly employed by the Van Amringe Granite Co., Boston.

O'Brien & Davine, of the Westfield Granite & Marble Co., at Westfield, have bought the stock formerly belonging to Joseph Gusetti, and will move it to their own yard.

Frank T. Cox has started in business at Newton.

IOWA.

The Moore Monument Co., has been incorporated to do business at Glenwood, with a capital stock of \$10,000.

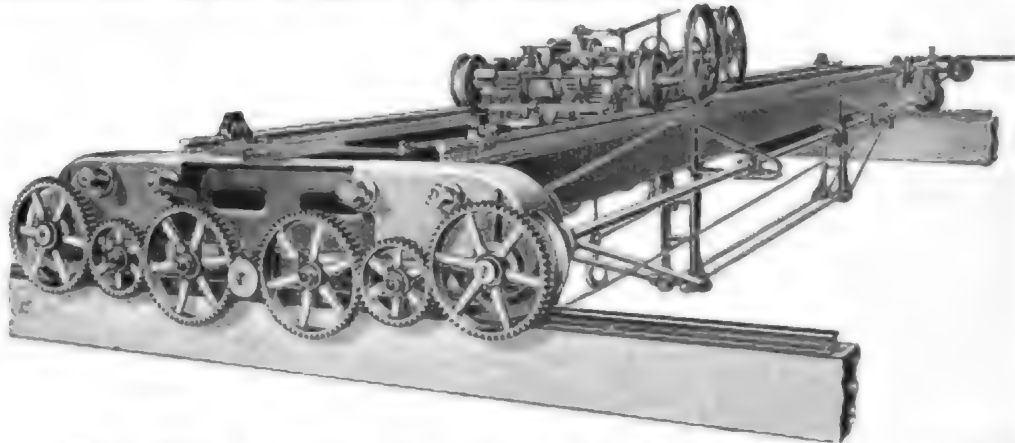
John R. Canty, formerly of Toledo, has removed to Waterloo.

Golden, Ballard & Samm have removed from Forest City to Estherville.

— THE — **POWER TRAVELING CRANE**

Has become a necessity in the plant of up-to-date manufacturers of Marble, Granite and Stone. No modern plant is complete without one.

The Power Traveling Crane reduces the cost of handling stone to a minimum; it facilitates the execution of orders and is a safeguard against losses from breaking and chipping finished work. No manufacturer can afford to ignore these important points.



Our Crane possesses many and valuable features over other cranes now in the market.

It is **CORRECT** in DESIGN, **PERFECT** in CONSTRUCTION.

It is built of the **BEST MATERIAL** by **INTELLIGENT WORKMEN**.

All parts are **SCIENTIFICALLY FIGURED** to **STAND FIVE TIMES THE RATED LOAD**.

The **LOCATION** of the **OPERATOR'S SEAT** **EXPEDITES** the **CARRYING** and the **ACCURATE PLACING** of the **LOAD**.

By our patented method of rope drawing the **CAR** is **OPERATED** with the **MINIMUM** of **POWER**, and at the same time **CARRYING** and **SUSTAINING** the **MAXIMUM LOAD**.

SIMPLICITY of **CONSTRUCTION** and **GREAT STRENGTH** and **EASE** of **OPERATION** are features that commend themselves to all.

Our Cranes are made with capacity of 10, 20 and 40 tons. They are in successful operation in some of the largest manufacturing plants in the country.

We are prepared to furnish plans and working drawings of the most approved types of Stone Sheds and can give patrons the benefit of a long and varied experience.

THE LANE MANUFACTURING COMPANY,
MONTPELIER, VT.

Send for Catalogue if interested in Power Traveling Cranes.

(Notes of Retail Dealers.—Continued.)

J. W. Morris, of Winterset, writes that he is doing the largest volume of business he has had for years, and is equipping his plant with new machinery. He has purchased a gas engine from the Des Moines Gas Engine Co., and a polishing machine from the Concord Axle Works, Penacook, N. H., and contemplates installing an air compressor and pneumatic tools.

INDIANA.

John Vernia & Co., of New Albany, have the contract for the monument to be erected in Fairview Cemetery in that city for the Veteran Firemen's Association. The monument will consist of a shaft surmounted by a life-size statue of a volunteer fireman, and is to be completed by September 1.

John A. Schmucker succeeds Frederick Thorman at Huntingburg.

Among the recent contracts of N. A. Tibbits, of Elkhart, was a Barre granite monument erected in Lakeview Cemetery in that town for the Woodmen of the World in memory of John M. Myers, a late member of the order.

William Parry, Lake County Pioneer Monumental Works, of Crown Point, writes that they are putting up some fine work, and lots of it. He is getting up a catalogue of work recently erected, which is to be illustrated with half-tone cuts.

John Henderson has removed from Fowler to Spencer and will continue business at the latter place. His name was incorrectly given as John Spencer in our last month's issue.

The American Cement Burial Vault Company has been incorporated at Indianapolis with a capital of \$10,000.

T. F. Gaebler and daughter, of Rockville, are making a tour of the New England granite quarrying centers and other places of interest in the East.

MICHIGAN.

Bauer & Beamer, of Muskegon, are building an addition to their plant, which will be fitted up with pneumatic tools.

John Thatcher & Son are new dealers at Lapeer.

Neighorn & Son, succeed Neighorn & Kerr at Downington. Mr. C. Kerr retires.

A. Winters has sold a half interest in the Hillsdale Marble and Granite Works at Hillsdale, to Ed. R. Powers, formerly of Reading, who has been in his employ as a solicitor.

C. E. Finch will start in business at Hillsdale.

The Anderson Monumental Works of Ionia are reported to be looking for a site at Saginaw, with the intention of removing their plant to that place.

MINNESOTA.

Frank Erren, who has been out of business for several years, has opened a new shop at 469 St. Peter street, St. Paul.

The Union Granite Co., of Ortonville, has been awarded the contract for the stone work on the Chippewa county bank at Montevideo, at a bid of \$1,120.

Orge Nelson succeeds to the business of Hansen & Son at Albert Lea. Mr. Nelson was formerly at Hutchinson.

Robert Milne, of St. Cloud, has built a new shop, 60x30 feet, and is equipping it with all the latest machinery.

MISSOURI.

The Griffith Marble Co., of Carthage, have built an addition to their plant, 16x24 feet, and have installed in it another polishing machine, and an additional outfit of pneumatic tools. Two new derricks have also been added to their works. They report sales amounting to \$3,000 for the month of April.

The legislative commission appointed to erect a monument to the late Governor Stewart in Mount Mora Cemetery, St. Joseph, have awarded the contract to the Abercrombie

Stone Co., of St. Joseph. The memorial is to be of Missouri granite, and will stand 25 feet high on a base six feet square, the shaft proper being 15½ feet high. The Legislature appropriated \$1,500 for the monument.

OHIO.

The Eckhardt Monument Co., of Toledo, were the contractors for the soldiers' monument recently unveiled at Perrysburg. It is 27½ feet high, and consists of a shaft surmounted by the figure of a color-bearer. The entire monument is of Barre granite, hammer-dressed, and the die is ornamented with carved designs of stars and emblems of the four branches of service. The contract price was \$1,800.

Fred H. Smith, of Norwalk, has added a stone yard to his plant, and equipped it with a large derrick.

A. Cochran has opened business at Coshocton.

The memorial building shown in the illustration, is to be erected at Hamilton in memory of soldiers, sailors and pioneers of that county. The doorway is to be flanked by Doric columns



SOLDIERS' MEMORIAL, HAMILTON, OHIO.

28 feet high, and groups of statuary and elaborate carving will ornament other parts of the structure. The contract for the erection of the memorial has been awarded to the F. P. Stewart Granite Co., of Hamilton, at a contract price of \$33,490.

MISSISSIPPI.

The Columbus Marble Works, of Columbus, will put in a new stock of monumental work and desire to receive pencil sketches or shock sheets of finished work.

NEW HAMPSHIRE.

F. M. Hawkes, of Rochester, has added pneumatic tools to his stone cutting establishment.

(Continued on page 426.)



Mausoleums, Statuary, Monuments,
 IN BLUE, PINK
 AND RED **WESTERLY GRANITE**
FROM OUR OWN QUARRIES.
JOSEPH NEWALL & CO., Dalbeattie Granite Works,
WESTERLY, R. I.

Correspondence Solicited from Dealers Desiring First-Class Work.



Miss Clara Pfeiffer, Sc., St. Louis.

THE WINSLOW BROS. COMPANY
 CHICAGO.

Ornamental Iron and Bronze

BRONZE STATUARY DEPARTMENT

UNDER SUPERVISION OF
 MR. JULIUS BERCHEM.....

Monumental Bronze Statuary

BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.

(Notes of Retail Dealers—Continued.)

NEW JERSEY.

Mr. Henry H. Jardine, of Rahway, recently visited the quarries at Barre, Vt., and Concord, N. H., placing orders for some important vault work he has under contract.

NEW YORK.

Hiram Weed has opened a shop at Dalton.

The Harrison Granite Company of New York have under construction in Oakwoods Cemetery, Chicago, the Cone mausoleum, made from the design of Handy & Cady, architects. It is Ionic in style. The exterior is Barre and the interior Red Beach Maine granite. Two Barre granite sarcophagi, large enough to receive caskets, and cut from single blocks, are set in the floor and capped with polished slabs of Red Beach granite. William Courper the New York sculptor, is making a marble figure for the interior of the vault and Paul E. Cabaret will furnish the bronze doors. J. E. Roche, of Westerly, R. I., is setting the work for the Harrison Granite Co.

F. R. Nash, Maspeth, Long Island writes: "I have no kick coming this year about business. Prospects good for balance of year. Hope all dealers can say with me—clear on books of all quarries."

Charles Sutherland, of Perry, writes that he is employing eight men, and doing a good business.

NORTH CAROLINA.

L. E. Lake and J. K. Cotton have formed a copartnership under the firm name of Elizabeth City Marble Works, at Elizabeth City.

PENNSYLVANIA.

H. E. Shenton, formerly of Ocean Grove, N. J., is now at 1231 N. 60th street, Philadelphia.

The contract for the monument to the late Governor Ritner to be erected at Mt. Rock, has been awarded to J. W. Eby, of Mechanicsburg. The monument will be in the form of a canopy 13 feet high, with a bottom base 7-9x6-0. It will have a bronze bust of the Governor, and a bronze tablet bearing the inscription which will include a quotation from Whittier's poem on Ritner's famous message of 1836. The work is being executed in Westerly granite by Fred Barnicast, Quincy, Mass.

Ernst Epp, of Reading, has the contract for the stone work on the new church being erected by St. Peter's Catholic parish, and also for the Colonial Trust Company's new building. He reports the erection of a large number of Memorial Day monuments in local cemeteries.

The Emanuel Stone Co. has been incorporated at Scranton with a capital of \$5,000.

C. Schleiter's Sons have erected a new plant 24x76, which is now in operation and equipped with an overhead traveling crane and pneumatic tool outfit.

Harry Knipe, formerly at Wrightsville, has moved to Columbia.

Campbell & Horgan, of Pittsburg, recently erected a Chinese "bowlow," or incense oven, on a plot in Homewood Cemetery in that city, reserved especially for the Chinese. The structure was designed by a Chinaman, and is modeled after those used in China. It resembles a miniature Joss-house, and is five feet square and six feet high. The interior is lined with asbestos, and the entire structure is of all-hammered Barre granite.

Simon White & Sons, of Claysville and Alexander, have opened a branch at Wheeling, W. Va., and have also bought the business of J. Howarth & Son, of Washington, Pa. J. Howarth retires, and W. E. Howarth will move to California.

Wenz & Bro. have bought the monument business of William Price & Sons, of Easton, and will operate it as a branch of their business at Kutztown.

J. Howarth & Son, formerly of Washington, Pa., have

closed out their business and removed to Sheridanville, a suburb of Pittsburg. Joseph Howarth, the senior member, will retire, having been engaged in the business over sixty years. Wm. E. Howarth, the son, has not yet decided where he will locate.

TEXAS.

The Pioneer Marble & Granite Co., of El Paso, has been incorporated with a capital stock of \$10,000, by William Caples, Michael Rotunno, and W. M. Caldwell.

Anderson & Johnson are successors to Roy Anderson at Brownwood.

UTAH.

The Beesley Marble and Granite Works, of Provo, recently erected in the cemetery at Scofield, a monument in memory of W. B. Dougall, who lost his life in the Scofield mine disaster in 1900. The monument consists of a shaft of Quincy granite mounted on a base of Utah granite.

VERMONT.

A. F. Lamb, of Stockbridge, has bought the marble business of H. C. Soper at Randolph, and will move

Joseph Gunyeau has opened a shop at Brandon.

WISCONSIN.

William Stampa, of Stampa & Mendlik, Milwaukee, has bought out his partner and will continue the business alone in a new location at 1285 Hopkins street.

Cannon Bros. have started in business at Merrilan

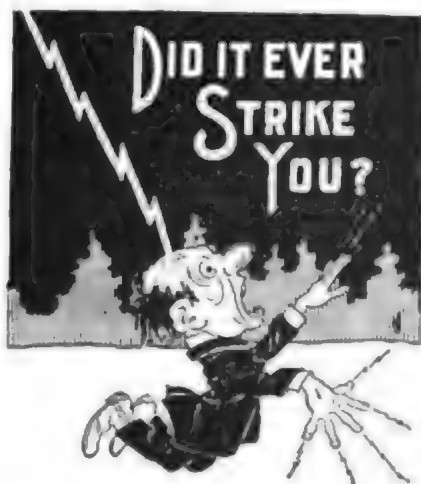
Alfred Warren has opened a shop at Lancaster.

The Sollitt monument illustrated on this page, was erected in Graceland Cemetery, Chicago, by George R. Campbell, of Burlington. It is of Barre granite, and of the following sizes: B. Base, 6-4x4-0x1-3; 2d Base, 5-4x3-0x1-2; Die, 4-8x2-4x2-4; Cap, 5-3x2-11x1-6. The photograph from which our engraving was made was taken by Mr. Campbell with a 4x5 camera, and the illustration shows the character of his work in this line, as well as in monumental work. He is a constant user of the camera, and writes as follows, concerning its advantages to the monument maker: "I take all the larger work I place and find parties contemplating buying get interested in those small photos more than the larger lithograph designs. I would not be without a camera in the monument business."



SOLLITT MONUMENT, GRACELAND CEMETERY, CHICAGO.
WASHINGTON.

A. Vinson, of Walla Walla, has obtained control of the Snake river granite quarries near Lewiston, and will move his manufacturing plant to the latter place. He will still maintain a branch business at Walla Walla.



• **That Brandon Italian Marble** •
MAKES EXCELLENT POSTS?

If you have never used any of our posts you should not delay in ordering at least a set because we feel confident that once you have used them you will buy no other.

There are two reasons why **Brandon Italian Marble** makes posts which are superior to other posts in other marbles, viz: **Strength and Durability.**

We have an accumulation of posts and wish to reduce this surplus as quickly as possible, therefore we have made the **PRICE** on these **POSTS VERY LOW** in order to dispose of them quickly. You had better send for our **Special Post Offer** which covers about 15 different sized posts. **Rock Bottom Prices** sent upon request. Don't delay, you will find it to your interest to send for prices today.

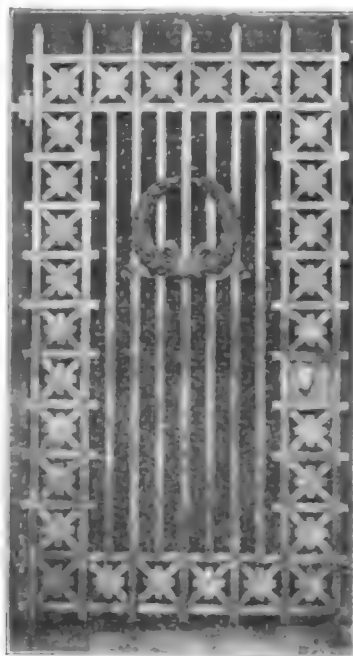
Brandon Italian Marble Co.
MIDDLEBURY, VT.

American Bronze Foundry Co.

73RD STREET AND WOODLAWN AVE.

CHICAGO.

ARTISTIC BRONZE CASTINGS



Statuary,
Busts,
Medallions,
Tablets,
Doors,
Gates,
Grilles.

SCULPTORS'
MODELS
FAITHFULLY
REPRODUCED.

Blue-White Westerly Granite.

GOURLAY GRANITE WORKS.

=====WILL FURNISH=====

Rough stock for Monuments, Mausoleums, Vaults, Headstones, Markers, Posts, and Coping from the famous "Klondike" Quarry, which produces the finest Blue-White stock. Rough stock a specialty.

FOR PRICE APPLY TO

Gourlay Granite Works,
WESTERLY, R. I.

At the QUARRIES

BARRE, VT.

(From Our Regular Correspondent.)

June was a cold and rainy month, more favorable to the granite cutters than the quarriers, though so much of the rain fell during the night that they were not greatly hindered. Two or three bad wash-outs on the line of the Central Vermont railroad seriously interfered with the incoming and outgoing mails, freight, and passengers, many shipments were delayed, and it will take some time to get matters straightened out once more.

There has been a manifest improvement in business. Estimates at the Exchange run from \$30,000 to \$40,000 and approved and accepted contracts have averaged about \$5,000 per day, the volume of both increasing as the month passed.

The Granite Cutters' Union held two important meetings during the month, at both of which the question of a five year contract with the Association for an eight hour day and a \$3.00 wage limit was discussed and voted down. At the last meeting the question was complicated by a condition that, in case the contract was made, the Union should use what influence it could to support and sustain the Exchange. Probably this condition was the determining factor of the vote that rejected the whole proposition. Most likely both parties will be ultimately thankful that the matter was settled in this way.

It has been made abundantly evident that the Exchange needed no such support. At a largely attended meeting of the members, held after the action of the Union, a practically unanimous vote of confidence was passed, and the favorable feeling has been growing stronger ever since.

The Association has just issued a list of its members, corrected to Jan. 1st. It then consisted of 141 firms, 96 of them being in Barre, 24 in Montpelier, 7 in East Barre, 5 in Northfield, 2 in Williamstown, 1 each in West Berlin, Waterbury, and Smedsville, Vt., and Quincy, Mass. Of the firms 130 are members of the Exchange. It is reported that C. E. Tayntor & Co., are again to open a manufacturing plant here. Since selling their large sheds a few years ago, their Barre work has been placed by Mr. George H. Anker.

The partnership existing between Charles E. Ryle and John H. Crimmins known as the Columbian Granite Co., of Montpelier, Vt., has been dissolved. Mr. Crimmins retires owing to ill-health, Mr. Ryle will continue the business.

Canton Brothers have let the contract for their new shed to be located on the Central Vermont R. R. above Youngs Brothers, and expect to have it completed early in September. The building is to be 190 by 64 feet, with modern equipment throughout. The machinery outfit will comprise an electrically driven Ingersoll-Sergeant 50 H. P. air compressor, Lane Mfg. Co., traveling crane of 20 H. P. capacity, two polishing machines, 12

to 15 pneumatic tools, blacksmith shop, boxing room etc. They have recently put up a 65 ton derrick at their quarry and intend to have their entire quarrying and manufacturing plant up-to-date.

Among the recent visitors to Barre connected with the trade were H. H. Jardine, Rahway, N. J., C. C. Dunkelberg, Gouverneur, N. Y., T. F. Gaebler, Rockville, Ind., F. S. Cary and J. C. Culbertson, Zanesville, Ohio.

QUINCY, MASS.

(From Our Regular Correspondent.)

Trade has fallen off somewhat, during the past month in consequence of the unprecedented demand for Decoration Day orders. This condition of affairs was looked for, but aside from a brief lull an extra good summer and fall season is promised. Considerable work is being figured upon and orders for same are fast being placed. Not a few of the manufacturers are of the belief that Quincy is reaping some benefit from the workings of Barre's Exchange.

The teamsters' strike, which at one time threatened to curtail the granite business, has been settled amicably and without loss of time. The master teamsters granted the demands of the men without much ado, prior to June 16, so that uniform hours of labor and wages now prevail. This was completed in a way to forestall the crippling of the transmission of rough stock from the quarries to the cutting sheds and wharves. The settlement augurs well for business, and an era of good feeling between the wage earners and employers exists now in every branch of the granite industry.

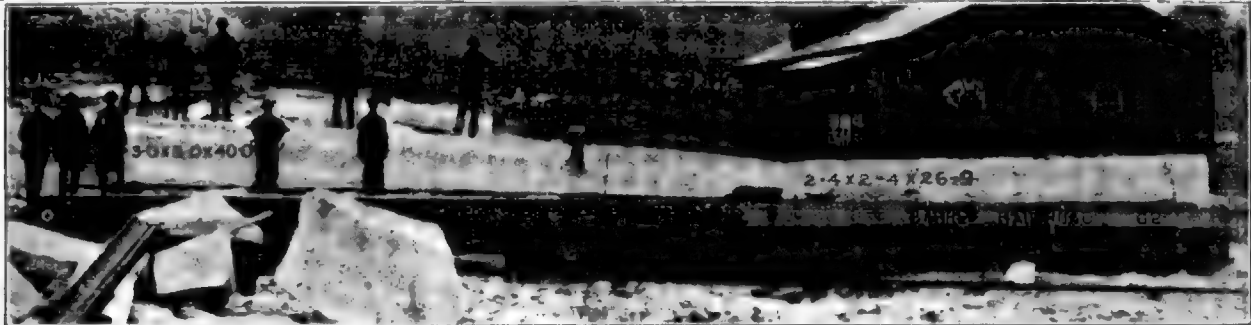
An undertaking which is proving profitable to quarry owners is the construction of the Metropolitan Sewer, whose outlet will be on the city's waterfront. A break-water suitable to the sewer's outlet is being built on Nut Island and thousands of tons of granite are essential for its construction. John Fallon & Sons have the contract for supplying same and their wharf at front of Brackett street presents a busy scene. An average of 400 tons is shipped daily from here on stone sloops. A unique method of weighing the stone is now in vogue. The vessels show markings, fore and aft, of the standard weight of a boat load. All that is required in the daily loading of each, is to load the sloops until several or all these numbers disappear, so that in an entire or partial boat load, the exact weight of the stone is easily obtained.

J. R. Qualey, who for years has been identified with the manufacturing business in South Quincy, has sold his plant to the George H. Hitchcock Granite Co., of Boston. The new concern will operate same and use the extensive yard area for the exhibition of monuments and other completed cemetery designs. Mr. Qualey will continue business and already has a cutting shed in process of construction.

The Quincy Granite Quarries Co., has erected a stone crusher off South street and will supply broken stone to the Fore River Ship and Engine Co., for improvements in their extensive ship-building plant.

The Granite Railway Co., has declared a dividend of \$2.00 per share payable July 1st to stock-holders on

WELLS, LAMSON & CO, BARRE, VT.



BARRE GRANITE QUARRIES.

OUR SPECIALTIES:

MAUSOLEUMS.

MONUMENTS.

GRANITE STATUARY



ROUGH GRANITE.

Squared and Polished Blocks.

Large Boulder Monuments.

Any Size to the Limits of Transportation Furnished Promptly.

ALWAYS WRITE US FOR PRICES.

DILLON & HALEY,

MANUFACTURERS OF

High-Grade Monumental Work

DIES, CAPS AND
BASES POLISHED
FOR the TRADE.

FROM SELECTED
BARRE GRANITE.

MONTPELIER, VT.

OUR WORK IS
GUARANTEED to
be FIRST CLASS.

The best attention to shipping orders is insured by our thoroughly modern equipment, comprising traveling derrick, air compressor and pneumatic tools, a thirty horse-power electric motor and improved polishing mills.

SHIPPING FACILITIES UNSURPASSED.

Pneumatic Tools

—FOR—

CARVING AND
LETTERING.

—O—

Rough Stock
FOR THE TRADE.

—O—

SEND FOR
PRICE LIST
AND
ESTIMATES.

OUR DARK CONCORD AND BLUE NEW WESTERLY GRANITES

Are unsurpassed for MONUMENTAL WORK.

Henneberry & Halligan,
Quarry Owners and Manufacturers
CONCORD, N. H.

We aim to use only the Best Stock and Guarantee our work.

AT THE QUARRIES.—(Continued.)

record June 21st, 1902.

McDonnell & Sons have opened their new quarry, and are prepared to furnish the trade with medium and dark Quincy granite.

Sexto Lopez, the Filipino representative, was one of a party, who visited the city last month. While here, he was the guest of Luther S. Anderson, Manager of the Granite Railway Co., and manifested much interest at the number, size and workings of the city's extensive quarries.

H. Adler, New York City; Binswanger & Goldsmith, Brooklyn, N. Y., Thos. Fox, Concord, N. H., C. Roger Smith, Middleton, N. Y., C. G. Blake, Chicago, Ill. F. D. Fuller, Nashua, N. H., J. L. Cole, Mattapoisett, Mass., Charles Maslen, Hartford, Conn., J. S. Mitchell, New Haven, Conn., and Mr. Ream, representing Townsend Townsend & Co., N. Y. were among the out-of-town dealers to visit the trade during the past month.

Following are shipments of rough and finished granite from the various depots, during the month of May 1902: Quincy Adams, 6,723,336 pounds; West Quincy, 7,710,795, pounds; Quincy Granite Quarries Co., via Quarry Railroad, 3,340,645 pounds. Total 17,774,776 pounds.

Several important contracts are under way at F. Barnicoat's, among them being the Loomis Memorial Fountain for Windsor, Conn.; the General Wheeler monument for Nashua, N. H., and a memorial to Gov. Ritner of Pennsylvania, to be erected at Allerton in that state.

Cook & Watkins received their first cargo of Pleasant River black granite (135 tons) from the quarries at Addison, Me., last month. This stock is being used by local manufacturers in combination with light colored granite for bases and caps.

J. L. Miller has improved his facilities by the erection of a new power boom derrick and an additional air compressor. He will displace his electric motor with a Fairbanks-Morse Gasoline Engine.

At A. Malnati's yard may be seen some fine granite from his New Lynne, Conn., quarries.

CONCORD.

With the possible exception of the period during which granite for the Congressional Library was being cut in Concord there has been no time within the past thirty years when so much building work was in progress as at present. The demand for stone cutters far exceeded the supply last month. The amount of building work being cut in granite at this time throughout the east is said to have created a scarcity of cutters on this class of work. The New England Granite Works are engaged upon several building jobs, especially noteworthy being the Blackstone Memorial Library to be erected in Chicago. Great care is being exercised in its execution and the finished memorial gives promise of reflecting credit upon architect, contractors and cutters as well as upon its illustrious donor.

At John Swenson's work is in progress on the C. E. Tilton mausoleum, an imposing memorial to be erected in the town of Tilton, N. H., from plans by F. Jos. Untersee, architect, Boston; an arched entrance for Bay View Cemetery, designed and contracted by Presbery

& Coykendall, New York; a vault for Bayha & Boehm, Denver, Colo., and other building and monumental work that will keep his men and machinery busy well into fall.

Among Ola Anderson's building contracts is a bank for Easton, Pa., and a library for Clinton and a variety of other work that is requiring the services of seventy-five men at quarries and sheds. Oliver Racine has his yard piled up with granite for the government at Portsmouth, N. H., and also has vault work and monuments under way. Henneberry & Halligan are keeping pace with the trend of the times and have just installed a pneumatic tool plant. Their compressor is a class E belt driver, Ingersoll Sergeant make, with capacity for eight tons. Power is furnished by an Abenque gasoline engine, 20 H. P. This improvement will greatly increase their facilities. Thomas Fox is working his full complement of men on vault and monumental work in Concord and his well know Topaz granite. All of the quarries are working to their fullest capacity and all of the manufacturers seem to be getting their share of business.

HARDWICK, VT.

The granite industry in this town is experiencing its greatest period of prosperity. There are not as many individual concerns engaged in the business but the volume of work being done is larger and the standing of the firms as a whole is on a better footing than ever before.

The Woodbury Granite Co. is shipping about five carloads of cut granite a day for the Chicago, Rock Island & Pacific Railroad Terminal Station in Chicago, and will be kept busy on this contract until next fall. In addition to it they are cutting the granite for a chapel for St. Johns Parish, Newtonville, Mass., and have three vaults under way, one to be erected in Oakwood Cemetery, Troy, N. Y., at an estimated cost of \$50,000. They are working 130 granite cutters and all told have about 225 men employed at their plant in Hardwick and at the quarries in Woodbury. From the latter they are shipping from seven to ten carloads of rough stock a day for use in Hardwick and outside points. A new cutting shed 300 feet long by 40 feet wide has recently been completed by the Woodbury Granite Co., and they now contemplate putting in a large compressor to operate all their machinery by compressed air.

Business is very brisk with the other manufacturers in town whose work is confined principally to monuments. J. E. Sullivan has his full complement of men at his cutting plant and polishing mill. T. T. Daniell is running eleven polishing machines and two air compressors, which furnish air for a number of hand tools in the adjacent shops. The Union Granite Co., are occupying their new plant and polishing mill where even with their increased facilities they are getting all the work they can handle. E. R. Fletcher recently came into possession of the quarries and plant of the Fletcher Granite Co., at Woodbury, but has not made known his intentions in regard to beginning operations. With these extensive works in operation Hardwick's output of rough and finished granite would be very largely increased.

Don't Err in Judgement When Buying GRANITE.

Send Direct to us for Estimates.

Latest Designs, Skilled Workmanship, Strict Attention to Details and Right Prices are some of the requisites that we offer.

F. S. CARY & CO.,

MONTPELIER, VT.

Granite and Statuary

ZANESVILLE, OHIO.

WRITE NEAREST ADDRESS.

A WINNER



Write for Special Low Price in
Dark Barre and other Leading Granites

Our increasing trade is due to the excellent quality
we furnish our customers.
Since opening our Barre office March 1st our trade has gradually increased.

CHAS. S. BALDWIN & BRO.

BARRE, VT.

ZANESVILLE, OHIO.

STONECUTTERS' COURSE.

These series are for the use of stonecutters, apprentices and draughtsmen, who want to better their condition and become shop foremen, or work on the drawing board; they show how to make patterns, get the size of stones and work the same in a direct way without any previous knowledge of drawing; everything explained in a precise manner, no confusing lines; everything dug out for you so that you can easily learn it. You don't buy fancy bound books but the real knowledge on large plates. Good men are scarce; why not start in and study on the quiet a little every week? Don't look back and wish you had get at it, you will never regret it; it means easier time, steady work and more money. All the best foremen are self-studied.

SET 1.

This set contains everything that a stonecutter should know to lay out work. Geometry, that should be known to draw all kinds of arches, section and developed patterns, plumb and angle moulds, flutes, niches, domes, plumb joint arch, battered arch, mould for spiral columns, niche on circular plan, pediment patterns, circular and straight angle moulds, raking ceiling, groins pendantive, hanging stair, ribs, twisted ceiling, and lots of others.

Price, \$6.00.

RAMP AND TWIST—SET 2.

This series is treated exhaustively, nothing left out from the simplest rail to the most difficult. Moulds, rakes and how to cut are shown; every method used is clearly shown from a check-block to a full ramp; shows how to get the sizes from a wall already built, illustrated by 76 diagrams; it will surprise you how easily this can be done.

Price, \$10.00.

CIRCLE ON CIRCLE—SET 3.

This set shows how to make the patterns of every kind of circular arch from any shape elevation and plan by every method, plan, face on temple, patterns from centres, triple arches and everything is shown to make it clear. Illustrated by 101 diagrams.

Price, \$10.00.

Prepaid. Send Postal or Express order,

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THE NORTHERN NEW YORK MARBLE CO.,

GOUVERNEUR, N. Y.

Producers and
Finishers of...

Dark Blue Northern New York Marble

Also operating in connection the quarry and plant of the EMPIRE MARBLE CO.,
with unexcelled quarrying facilities and well equipped manufacturing plants,
we are prepared to furnish promptly the best

DARK BLUE MARBLE

Sawed and finished in a most satisfactory manner for

MONUMENTAL AND BUILDING PURPOSES.

SEND FOR PRICE LIST OF FINISHED MONUMENTS.

Some Curious Epitaphs.

Jerry Hess, a marble and granite dealer of McGaheysville, Va., sends the two following epitaphs:

In Highland county, Va., at a lonely spot in the mountain appears the following on a tomb which was roughly hewn from a mountain rock. The top end of stone which bore the name is broken off and cannot be found, but the stub still bears the following:

HE DIED IN YEAR 1619.

Epitaph.

This life is done, my race is run,
My resting place is here,
I got this rock to mark the spot,
Lest man should dig too near.

This one is in an old cemetery at McGaheysville:

HIER LIGT DER
LEIB DES VERS
CONRAT ERIST
GEBORN IMIAR
1745 DEN 26 IULIUS
UND IST
GE STORBEN DEN
8 DAG AUGUST
1800 ERHAT SENALTER
GEBRAGT AUF 55 JAR 13 DA

In an obscure corner of York's ancient cemetery is an epitaph which quite evidently was not dictated by the occupant of the grave which the stone marks, for it thus memorializes the departed:

Here lies the body of Jonathan Drew,
Who cheated all he ever knew,
His Maker he'd have cheated, too,
But that his God he never knew.

Here is one worthy of emblazonment for the warning of the indiscreet:

Emma, daughter of Abraham and Matilda Cox, and wife of Theodore Shallen, died July 9, 1847, aged 26 years, leaving five children: married too young against her father's will. Single women, take warning.

In the quaint old Kittery Point (Me.) cemetery, prostrate upon the bank of the Piscataqua, is a granite block bearing these words, rough hewn by the hand of a member of the only race in the world that could have originated such a "bull":

Bridget and I have two children dear,
One in Ireland and the other here.

Maine is particularly rich in gravestone oddities, but no inscription of them all can cap this one, which displays to such advantage the bitterness of a local warfare over the individual medicinal qualities of the noted springs of two old towns:

Here lies John Jones and his two daughters,
Who died of drinking Cheltenham waters;
If they had drunk the waters of Howe,
They might have all been living now.

Beneath a leaning slab in an old Massachusetts burying ground slumbers an ancient cynic, caustically rebuking, even in death, the curious:

I was somebody;
Who, is no business of yours.

The old First Parish cemetery of Alfred, Me., is fruitful in unique curiosities of epitaphy, of which this legend is a fair sample:

John Hall. 1762-1813.
May he rest in peace till we meet again.
His Loving Wife,

This is from an old New England cemetery:

Here lies old Jones,
Who all his life collected bones,
Till Death, that grim and bony spectre,
That all-amassing bone collector,
Boned old Jones, so neat and tidy,
That here he lies all *bona fide*.

New England is a fertile field of research for mortuary inscriptions. Almost every village cemetery has its gems, and they are scattered all the way from Maine, where

"Here lies the body of John Mound,
Lost at sea, and never found."

and where

"John Phillips,
Accidentally shot as a mark of affection by his brother,"
sleeps in peace after life's fitful fever, to Connecticut, whose marital joys are set forth in the concise statement:—

"She lived with her husband fifty years,
and died in the confident hope of a better life."

Number two is still more emphatic, and shows a wit, indeed, more akin to France than to sober New England:—

"My wife lies here.
All my tears cannot bring her back.
Therefore I weep."

And again from Burlington:—

"Died when young and full of promise,
Of whooping cough, our Thomas."

In Wayland we have, apparently, the original mugwump:—

"Here lies the body of Dr. Hayward,
A man who never voted.
Of such is the kingdom of heaven."

At Mount Auburn an especially pungent inscription is recorded:—

"Here lies a man beneath this soil
Who slandered all except his God;
And Him he would have slandered, too,
But that his God he never knew."

And another in Connecticut, in which the relatives evidently got even with the husband of the deceased:—

"Here lies a mother of children five,
Of whom three are dead and two are alive.
The three that are dead preferred rather
To die with their mother than live with their father."

Outside of New England the harvest is not so rich, yet some gleanings may be presented. Delaware records one in which grief struggles with grammar, as follows:—

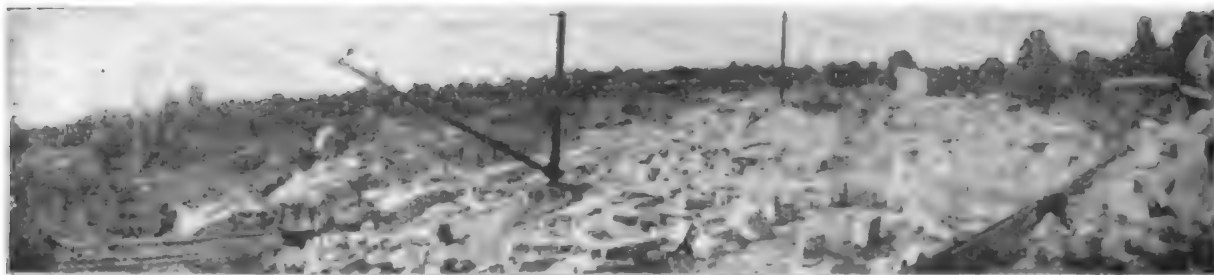
"And am she dead, and are she gone?
And have she left I all alone?
Oh, cruel fate! you is unkind
To take she 'fore and leave I 'hind."

From New York comes a specimen with a suggestive flavor of the railway time table about it:—

"She was in health at 11:30 a. m.,
And left for heaven at 3:30 p. m."

And a second that is breathlessly brief:—

"This corpse
is
Phebe Thorp's."
Poor Phebe! Was there nothing more to say?



A General View of Our Quarries.

E. L. SMITH & CO., BARRE, VT. Established 1868.
Quarry Owners & Manufacturers of
BARRE GRANITE.
LIGHT, MEDIUM AND DARK

Rough Stock of any Dimensions to the limit of transportation. Our Cutting Plant is Modern in Equipment and Especially Designed for Handling Large Work. Estimates Promptly Furnished on Mausoleums, Monuments, Etc.

J. E. SULLIVAN,

MANUFACTURER OF

High-Grade Granite Work.

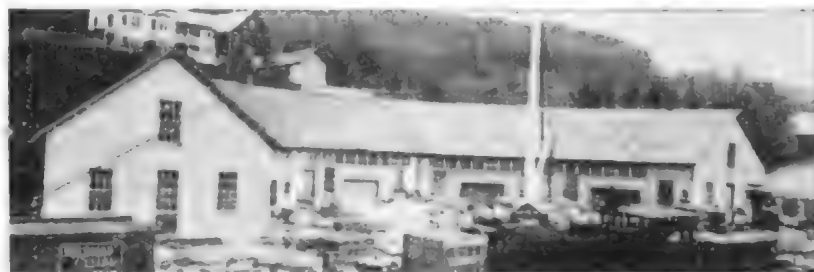
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Hardwick and Barre Granites.

Fine Monumental Work a Specialty.

HARDWICK, VT.

Lettering, Carving and Tracing done with Pneumatic Tools. Office, Quarries and Water Power Finishing Works, Hardwick, Vt.



**THE GENUINE
Pink Westerly Granite**

can be had in any quantity from our quarries in the rough or finished state at the lowest possible rates.

Monuments, Vaults, Statuary

FROM OUR

BLUE GRANITE

are unexcelled anywhere.

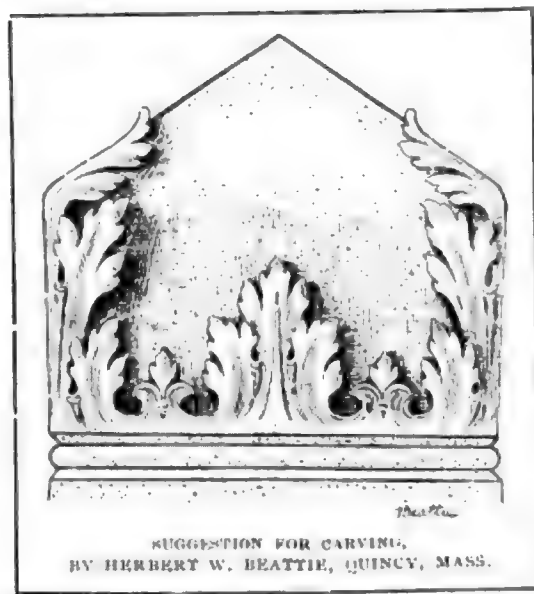
Fine Carving, Turned and Polished Work a Specialty.

Satisfaction Guaranteed. Correspondence Solicited.

SMITH GRANITE CO.

WESTERLY, RHODE ISLAND.





MONUMENTS UNVEILED DECORATION DAY.

The following monuments in addition to those mentioned elsewhere in this issue were unveiled on Decoration Day, May 30:

Soldiers' monument erected by the G. A. R. at Carlville, Ill.; monument to unknown dead, erected in Mineral Springs Cemetery, Pawtucket, R. I., by Tower Relief Corps; soldiers' monument at Union, Conn., in memory of soldiers of the Civil War, and of Captain David P. Corbin, after whom the local G. A. R. post was named. The monument bears three bronze tablets presented by relatives of Captain Corbin; the Brotherhood of Locomotive Firemen and Engineers dedicated a monument in Lakewood Cemetery, Minneapolis, in memory of Elery W. Saxe, an engineer who was killed last September at King's Cove; James P. How Post 567, and the Woman's Relief Corps unveiled a soldiers' monument at Moberly, Mo. It consists of a shaft 20 feet high, surmounted by the heroic-size figure of a soldier in uniform with overcoat and musket; a soldiers' monument was unveiled in Richland Cemetery, Dravosburg, Pa. It consists of a pedestal eight feet high, surmounted by a bronze statue of an infantryman; soldiers' monument at Piasa, Ill., unveiled by the G. A. R.; Joseph Warren Post No. 615, G. A. R. unveiled a soldiers' monument at Verona N. Y. It is of Barre granite, seventeen feet high, surmounted by a life-size statue of a soldier. It was erected by Jenny & Nelbach, of Utica, N. Y. The Daughters of the Confederacy unveiled a monument to the Confederate soldiers who died at the battle of Westport, in Forest Hill Cemetery, Kansas City, Mo. It consists of a tall shaft surmounted by the figure of a soldier. It was erected by M. H. Rice, Kansas City, Mo.

...

Two tablets which were to have been erected, one in the Mare Island, Cal., Navy Yard, and the other in the Washington Navy Yard, have been discovered to bear inscriptions which were historically untrue, and are to be destroyed. One of them stated that Admiral David G. Farragut was the father of the Mare Island Navy Yard, and the other that Admiral Tingey was commandant at the Washington Navy Yard for thirty years.



"DRAKE MONUMENT" Thosville, Pa.
CHAS. BRIGHAM, Architect.
CHAS. H. NIEHAUS, Sculptor.
Statue Cast by
Jno. Williams Bronze Foundry.

Jno. Williams

Bronze Foundry and Works

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"American Art in Bronze
and Iron."

ARCHITECTURAL. SCULPTURAL.

OFFICE: 556 West 27th St.,
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Air Brush Designs



REGISTERED.

have made more money for monument
dealers than any other kind.
Hundreds of dealers and draughtsmen
are now using our

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and endorse its points of excellence.
No designer's outfit is complete
without one.

DESCRIPTIVE CIRCULARS AND PRICE LIST
ON APPLICATION.

AIR BRUSH MFG. CO.,

145 Nassau Street,

ROCKFORD, ILL.

Attention Investors!

THE WYOMING PIONEER MARBLE AND BUILDING STONE CO.

Sheridan, Wyoming.

OFFERS FOR SALE a limited amount of its Capital Stock. The
Capital Stock is divided into 1,000,000 shares of one dollar each,
not assessable, one half reserved for developing.

The quarries contain an almost inexhaustible quantity of marble
of a variety of colors suitable for monumental interior and ex-
terior construction. Government tests and expert opinion
show superior quality. The property is in the Big Horn Moun-
tains with good shipping facilities over a branch line of rail-
road to the quarry.

The closest investigation is invited.

Prospectus and further particulars will be sent on application to

A. W. LINDLEY,

Sheridan, Wyoming.

BLISS BROS.,

295 Oak Street, BUFFALO, N. Y.

Photographers of MONUMENTS,

**MAUSOLEUMS
and
HEADSTONES.**

Our line of Photographs
contains over 1,000 of the
latest designs, erected in
various Cemeteries
throughout the Eastern
and Western states.

Write for Illustrated Circular and
Price List.





FOUNTAIN AIR BRUSH.



"OUR 1901 MODEL."

WE CARRY PLASTILINA IN STOCK.

THE NEW INSTRUMENT FOR MAKING MONUMENTAL DESIGNS.

SEND FOR
CATALOGUE.

THAYER & CHANDLER, 146 WABASH AVENUE, CHICAGO.

NOTICE!

Bids for Soldiers' and Sailors' Monument.

The Board of County Commissioners requests bids for a Soldiers' and Sailors' Monument to be constructed at South Bend, Indiana.

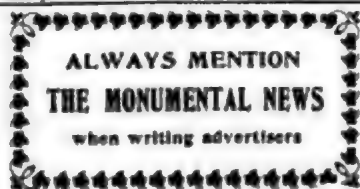
Full detailed plans and specifications may be seen at the office of the County Auditor at South Bend, Ind. All bids must be filed in the office of the said County Auditor before the hour of 9:30 o'clock, a. m., on

Tuesday, the 15th day of July 1902.

Bids will be considered on the foundation alone; on the granite work alone; on the bronze work alone, or on the completed monument.

All bids must be accompanied by the Bond and affidavit required by statute. The County Auditor will furnish all prospective bidders with forms for bids, bonds and affidavits. The County Commissioners reserve the right to reject any and all bids. Board of County Commissioners of St. Joseph Co., Ind.

By JOHN M. BROWN, Auditor,
St. Joseph County, Ind.



ECKEL MONUMENT, SYRACUSE, N. Y.
Mant'd by EMSLIE, McLEOD & CO., Barre, Vt.

**EMSLIE
McLEOD & CO.**

★ ESTABLISHED 1884. ★

MANUFACTURERS OF

**HIGH-GRADE
Cemetery Work
FROM THE BEST
Barre Granite.**



We Make Prompt Shipments.

Write for Estimates.

BARRE, VT.

Randall's Star Cleaner

Thoroughly renovates old weather stained or discolored MARBLE, BROWNSTONE, SANDSTONE or BRICK, rendering it as *bright as new*. Contains no acids and is harmless to use. Try a box on the worst case you can find and the result will be a surprise to you. Nothing like it in the market.

Price, per package, \$1.00, cash with order.

" " 1/2 doz. packages, \$5.00.

Special Quotation in bulk.

E. C. WILLISON, Sole Ag't.

Pope Building, BOSTON, MASS.



When a Man wonders How much he has Coming.

FIGURING COST OF GRANITE WORK.

The now universally adopted standard to determine the cost of working granite, 2d edition recently published, with illustrations. Send 4c bill or P. O. order and check for book, or write for descriptive circular to J. F. Brennan, Peterboro, N. H.

RHODE ISLAND GRANITE TOOL CO.



WILCOX & LEWIS, Prop., WESTERLY, R. I.

MANUFACTURER OF GRANITE TOOLS OF EVERY DESCRIPTION.

Bush Hammers, Hand Hammers, Points, Drills
Pneumatic Tools, Handles, Marking.

All tools warranted. Fifteen years' experience.
Write for price list and get your money's worth.

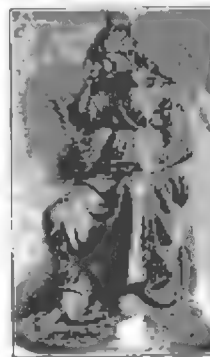


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and other combinations of letters do not fully express the superior qualities of the monumental work manufactured at the

**H. W. ADRIAN
QUINCY GRANITE WORKS
QUINCY, MASS.**

Send your order for a sample job and be convinced.



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Maker of
FINE CASTINGS
for Silversmiths
and Jewelers.

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Sole Manufacturer of

**SPEIDEL'S
PATENT IMPROVED
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Columbia Safety
Dumb Waiters
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Traveling Cranes,
Overhead Tramway
Trolleys, Etc.

Send for Catalogue
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Read what the papers say about you!

The Sculptors and other Artists
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NEW YORK

And receive criticisms and other notices on their work and exhibitions.

TERMS:—\$5.00 per 100 Clippings
Larger quantities cheaper.

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AN EXCEPTIONAL COLLECTION OF
ORIGINAL, PRACTICAL **Designs.**
AND UP-TO-DATE

Executed in an Artistic Manner, Closely Resembling Hand Designs.
Representing principally Sarcophagi, retailing mostly below
\$500. In all 22 Designs on twenty-one 14 x 21 sheets, with
sizes and prices.

Price, \$6.00, express prepaid, cash With order.

"Our designs are considered the best of their kind and we refund
the money if not as represented." **ORDER NOW WHILE NEW.**

Hand Designs, Photos, Cases, Etc.

CHAS. H. GALL, 79 Dearborn St., Chicago, Ill.

SEND FOR OUR CATALOGUE.



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The Winnsboro Granite Co.

OFFICES: CHARLESTON, S. C.; ROCKTON, S. C.

QUARRIES: FAIRFIELD COUNTY, SOUTH CAROLINA

GREY, BLUE AND
FINE BLUE **GRANITES**

For High-Grade Monumental Cemetery Work, Mausoleums,
Etc.; for Building Purposes.

For fineness of grain and freedom from spots and stains our GRANITES are unsurpassed. Sizes furnished
limited only by facilities of transportation.

PROMPT DELIVERY GUARANTEED.



R. Gumb.

WHEN IN NEED OF
Pipe, Collars and
Ornaments, Wedge
Lead and all Ceme-
tery Supplies

Write for Catalog of Vases
and Chairs, Catalog of Ceme-
tery Supplies.

JOHN McLEAN,
298 Monroe St., New York, N.Y.
Bronze Doors and Grilles
Memorial Tablets.

H. M. Gumb.

GUMB BROS..
Mfrs and Dealers in
Granite and Marble Work
of all kinds. Don't fail to get our prices.
LOWELL, MASS.



Bronze Vase Five feet high.

THE AMES FOUNDRIES

CHICOPEE - MASS.

ESTABLISHED 1851

Bronze Statuary

Tablets Medallions Doors Gates.

and everything in the line of

ARTISTIC AND MONUMENTAL WORK.

MONUMENTAL DESIGNS

Which are called for in large quantities are those which sell the work.



These cuts are from two of my
STAR PHOTOS

They are Mirror Finish

Cloth Mount, Single 75 Cents
11x14 inches in size. **Price** 1 to 2 doz. 5 per ct.

Two Dozen or more, 10 per cent. discount.

PHOTOGRAVURE SERIES

15 Designs on 12 plates, 14x22 in. reduced to \$4
FOR SETS REMAINING.

Send for Illustrated Circular Fine Air Brush Designs to order.

B. F. ALLEN, 701 Stevenson Building, Indianapolis, Ind.

What Our Advertisers Are Doing.

George Brothers, Dixon, Ill., represent Innes & Cruickshank, of Barre, Vt., in Illinois, Wisconsin and Michigan.

F. S. Cary, of Zanesville, O., accompanied by his traveling salesman, J. C. Culbertson, visited Quincy, Mass., Barre, Vt., and other eastern quarrying centers last month.



GRANITE FLOWER POTS.

The above illustrations show something comparatively new in the shape of rustic granite vases or flower pots for lawns or cemeteries, recently introduced by McDonald & Buchan, of Barre, Vt. They are made in three sizes, 2'-0", 2'-4", and 2'-6" in height, with a much larger capacity for holding earth than is common in the ordinary vases. They are said to require but little attention even in the hottest weather, and can be lettered when so desired.

The Argus Press Clipping Bureau 646 Sixth avenue, New York, invites attention to its facilities for furnishing newspaper clippings on any desired subject's from the American and foreign press.

The annual picnic of the employees of McMillan & Stephens, granite manufacturers, Barre, Vt., occurred last month and afforded a pleasant day's outing for a party of nearly 100 people.

J. E. Roche, the well known monument and vault setter, of Westerly, R. I., has been in Chicago for several weeks, attending to the erection of the Cone mausoleum in Oakwoods Cemetery for the Harrison Granite Co., of New York.

The demand for blue marble is almost unprecedented, particularly in the west. The Northern New York Marble Co., of Gouverneur, N. Y., writes that they have all the work they can possibly take care of. W. C. Wells, their western representative is having a big trade this summer.

Randall's "Star Cleaner" for renovating marble, brownstone, sandstone, or brick work, is pronounced by its users an excellent material. It is not intended to take the place of "Iron Solvent," which has entirely different properties, but is recommended for use in cleaning monumental work, indoors and out. E. C. Willison, Pope Building, Boston, Mass., is sole agent for Randall's preparations, and will send descriptive circulars and price list on application.

Charles Baldwin & Brother, wholesale granite dealers, Zanesville, O., announce an increasing trade since establishing their office at Barre, Vt., in charge of Harry J. Baldwin.

The granite quarries at East Lynne, Conn., owned and operated by A. Malnati, Quincy, Mass., are turning out a very fine quality of pink granite, which Mr. Malnati is selling to the trade in the rough and finished. He has in stock a number of rustic tablets with flower carving, made from original designs, and is prepared to give special attention to fine carved work of this description.

Tennessee marble is so extensively used for fine interior work on buildings, mausoleums, etc., that to tell of its advantages for that purpose in this journal might be somewhat superfluous. The fact may not be known, however, that the Tennessee Producers' Marble Co., of Knoxville, Tenn., make a specialty of work of this class, and solicit correspondence with dealers who have work of this kind to order. This company quarries and manufactures Tennessee marble and has experts in every department who see to the careful execution of all contracts.

The accompanying illustration from a photograph taken at the Jno. Williams Bronze Foundry in New York, shows the interesting process of pouring the metal for a bronze cast of unusual size recently made by that firm. It is the top of the sarcophagus being cast for William Zeigler, of New York, after designs by Edward L. Angell, architect. The molten metal used weighed a ton and a quarter, and was lifted in pots from the furnace by means of a compressed air hoist. The pots were conveyed one by one to the large pot containing the full amount of metal to be poured. It took about two-and-a-half days to cool, and when the sand was dug away the cast was found to be perfect in every respect. The ornaments of the sarcophagus are finely modeled, are being hand-chased, and the finished work will be a handsome example of art in bronze.



CASTING A LARGE STATUE AT THE JNO. WILLIAMS FOUNDRY.

The Quincy Granite Quarries Co., of Quincy, Mass., illustrate a view of one of their quarries in their advertisement this month, which gives an excellent idea of the quarry and the size of blocks of medium Quincy granite they are prepared to

(Continued on p. 442.)

Maguire & O'Heron,

QUINCY GRANITE

Extra Dark, Dark and Medium

Works, One Mile from Quincy Quarries. **EAST MILTON, MASS.**

THE extensive Granite Works of

OLA ANDERSON, Concord, N. H.

are on the same spot they have been for the past 25 years, but have been reconstructed to meet the advance of trade.

I have the only up-to-date rigged quarry in Concord with Railroad into it, so that I load direct from quarry on cars.

I claim to furnish Large Work, Building or Monumental, Mausoleums and Rock-faced Bottom Bases at the lowest price possible.

I also furnish Barre and Pink Granite. It pays buyers to write me.

OLA ANDERSON.

LELAND & HALL CO.

THE STATUARY PEOPLE

We have a large Stock of Cemetery Statuary on hand which we are offering at unusually low prices.

TRY MYERS CEMENT.

5 AND 7 EAST 42nd ST.
NEW YORK.

For Monuments and Cemetery Work Use

Green River Oolitic Limestone

The Best Limestone on the market for Monumental and Building purposes, as it bleaches white upon exposure and then retains its whiteness, does not become dark and discolored.

CADEN STONE CO.

QUARRIES:
HADLEY, WARREN CO., KY.

OFFICE AND YARD:
411 to 425 E. OHIO ST., EVANSVILLE, IND.

Tools and Machinery.

The Macomber-Whyte-Moon Co., 131 Worth street, New York, will mail their catalogue of wire rope, with all information on the subject, to quarry owners and manufacturers in need of supplies in this line.

When you are investigating the subject of lifting-jacks remember that C. T. Maynard & Co., Fairhaven, Vt., manufacture a jack that has stood the test of time and has been found to be all that its manufacturers claim for it. A descriptive circular and full information as to prices, etc., will be sent to any one on request.

The Improved Bush Chisels, made by Trow & Holden, tool manufacturers, Barre, Vt., have met with much favor. One of the advantages, the knurled handle, makes possible a much better grip than the old-fashioned octagon handle. These chisels are made for use with hand hammers as well as with pneumatic tools.

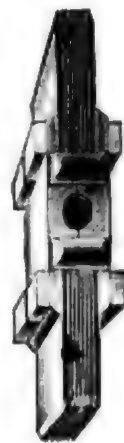
Trow & Holden also manufacture a full line of granite workers' tools, including pneumatic tools, which are made under their own patents, and are recommended as being very economical in the use of air and very durable. The firm will be glad to send a tool on trial to any intending purchaser. Their catalogue and price list may be had on application.

The R. C. Bowers Granite Co., Montpelier, Vt., are manufacturers' agents for Carborundum grains, bricks and wheels, and handle a complete line of supplies used in the manufacture of granite, in which they do a large and constantly increasing business in all parts of the United States. They are exclusive agents in the United Kingdom for the sale of all the products of the Carborundum Co., in use in the stone trade. This important branch of their business is in charge of Mr. H. Arthur Bowers, Chancery Lane, London, Eng. This company also has the sole agency in the United States and Canada for David Mowat's famous Scotch steel shot, which because of its hardness and toughness is regarded as being unsurpassed for use on granite. Price list will be sent on application.

The advantages to be gained by having manufacturing plants equipped with the latest labor-saving machinery are being recognized by all progressive manufacturers and is leading to a more general use of traveling cranes. The Lane Manufacturing Co., Montpelier, Vt., manufacturers of the Anderson patent Power Traveling Crane are unusually busy with orders for work of this nature as a result of the very general satisfaction these cranes are giving where they have already been introduced. They are making cranes for the Granite Railway Co., Quincy, Mass., one 40-ton and one 10-ton; J. B. Reinhalter & Co., Barre, Vt.; Robert M. Fraser, Montpelier, Vt.; Canton Brothers, and North Barre Granite Co., Barre. They are now engaged upon the largest boom crane ever made, which they are to put up for J. M. Boutwell. A new illustrated catalogue descriptive of their traveling cranes, has just been issued and will be sent to interested parties on application.

MACHINERY WANTED.

The Morris-Stonier Steam Granite Works, Toulon, Ill., are in the market for a traveling crane, turning lathe, six polishing machines, an air compressor and a ninety horse power engine. Manufacturers are requested to send their catalogues and price lists.



Send for
Catalogue
and
know
our
Prices.

THERIEN TOOL WORKS,
MANUFACTURERS OF
**STONE
MARBLE
GRANITE TOOLS**
MINNEAPOLIS, MINN.

USE THE

Kotten



Pneumatic Tools

the simplest and most
powerful Pneumatic
Tool yet invented
for Dressing,
Carving and Sur-
facing

**GRANITE,
MARBLE,
ONYX**

and all kinds of
Stone.

Every tool
guaranteed to
give perfect
satisfaction.



THE KOTTEN TOOL HARNESS.

H. G. KOTTEN, Manufacturer,
Office, 150 Nassau Street, NEW YORK CITY, N. Y.

Harrison Supply Co.

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Chilled Steel Shot

—For sawing and ridding—

GRANITE, FREESTONE AND MARBLE

Warranted Superior to all other Brands
A large stock constantly on hand. Also

Carborundum, Emery, Puttypowder, Etc.

Supplies of all kinds for Granite Polishers.

Every hand polisher of Granite and Marble should write for information
regarding our COMBINATION BOX

Special Prices upon Application.

NATHAN C. HARRISON, Gen'l Agent.

Randall's Iron Solvent

The only thoroughly reliable material in the market for removing Acid Stains, Iron Rust, Sap Spots, Etc., from Axed, Rough or Polished Granite. Contains no Acids, and as safe in the hands of an apprentice as an experienced person. This material is in use throughout the States and Canada by the best Manufacturers, Contractors and Retail Dealers. Ask for testimonials.

Price, per package, \$1.25 cash with order.
Or \$6.00 per 1/2 doz. packages and over.

E. C. WILLISON, Sole Ag't.

Pope Building, BOSTON, MASS.



Monument Wanted!
"GRIND STONE" is dead!
It is too slow, too slow
to grind. It is too big, but
it is too slow to grind. It is
too slow to grind.

A Sure Cure in Two Doses
It takes promptly
to grind. It is too slow
to grind. It is too big, but
it is too slow to grind. It is
too slow to grind.

H. L. Chapman,
Manufacture Box 241, Marshall, Mich.

Always Mention
"The Monumental News"

When writing to Advertisers.

Hardwick, Woodbury and Barre Granite

MONUMENTAL WORK

Caps, Dies and Bases Squared
and Polished.

T. T. DANIELL,

Lettering, Carving and Tracing
done with Pneumatic Tools.

Box 87.

HARDWICK, VT.

QUINCY GRANITE.

A. MARNOCK & CO., QUINCY, MASS.

We Solicit Orders from Dealers demanding
FIRST-CLASS WORK AT REASONABLE PRICES.

We do not solicit from those demanding cheap prices
regardless of quality.

REPRESENTED BY

PEVERLEY BROS., Phila., Pa.

J. N. BATCHELDER, Dixon, Ill.

FRUIT GROWERS... TRUCK FARMERS..

INVESTIGATE THE

40-Acre Tracts

FOR SALE ON THE LINE OF THE



IN THE CELEBRATED

Peach Belt of Alabama.

This is a rare opportunity for profitable
investment, if you have idle money; a better
opportunity if you are looking for a good
home and steady income in a healthful cli-
mate and pleasant environments.

To get in touch, write

JNO. M. BEALL,

Asst. Gen'l Passenger Agent, M. & O. R. R.,
ST. LOUIS, MO.

Stone Cutters

**SAVE TIME,
SAVE LABOR,
AVOID ERRORS**

BY USING

Nash's Merchants' and Seamen's Expeditions Measurer

1902 Edition Printed Entirely from New Plates.

A book containing thousands of indexed tables which show at a glance
the cubic contents of any stone according to its length, breadth and depth.
Used by stoneworkers all over the world. Order of your bookseller or
address the publisher.

ARE THESE TESTIMONIALS CONVINCING?

Find enclosed order for 100. I would like another of your Expedi-
tions Measurer. We have just finished a job of stone in which there were
about 100 different stones and each one had to be figured separate as there
were hardly two of the same dimension. We consider the book was worth
\$25 in time saved and mistakes avoided.

JOHN W. MATHIAS & SON, Greenville, R. I.

We take pleasure in saying that we have used your Expeditions Meas-
urer for the last thirty years in our office, and we certainly consider it in-
valuable. We have always found it absolutely correct and it is one of our
greatest time savers. We recommend it most highly.

THOMAS PHILLIPS & SON, New Haven, Conn.

We find your Expeditions Measurer one of the most useful books in
our office. It saves time enough to pay its cost every week in the year.

COLUMBIAN MARBLE CO., Rutland, Vt.

M. R. DENTON, Sup't.

We think your book, Expeditions Measurer, is the finest thing of the
kind ever gotten up. When once used no marble or stone man will do
without it.

MORRIS BROS., Memphis, Tenn.

A. L. NASH, 17 State St., New York.

Millstone Granite Quarries

Henry Gardiner, Sole Prop.

P. O. MILLSTONE, CONN.

Quarries opened in 1830.

THE ONLY GENUINE MILLSTONE, CONN., GRANITE.

Finished Monumental work and Rough Stock wholesale. Certificate of award at the Centennial Ex-
position of 1876 on Millstone Granite, for the good color of the stone, its fine close grain, and good polish, and the
marked contrast between the polished and dressed surfaces, a character which gives unusual distinctness in
ornamentation and makes it especially adapted to fine cemetery work.

Telegraph and Telephone, NEW LONDON, CONN.

FINERTY'S GRANITE STAIN ERADICATOR

Easily Applied,
Uniform Results Obtained.
You cannot afford to be without it.

For the removal of all stains from Granite use the Eradicator.

PRICE, \$3.00 PER JAR.

Manufactured by **J. W. FINERTY,**

MILFORD, N. H.

Enclose 2 cent stamp for Sample.

What Our Advertisers are Doing.— *Continued from page 438.*

furnish the trade. The company is working from 200 to 225 men and is gradually recovering from the effects of the strike. The output of their several quarries furnishes rough stock for every description of work where granite can be used, and the company is getting all the work they can possibly handle. The "Dell" and "Hitchcock" quarries are turning out some of the finest "medium Quincy" and the "O. T. Rogers" and "McKenzie Paterson" quarries are giving them an excellent quality of dark stock for which there is a constantly increasing demand. They are getting out about ten thousand feet of medium stock a month, for which there is a large local demand. A copy of their latest price list will be sent on application.

Contractors for mausoleums, vaults, etc., are requested to send for estimates on their gates, grilles, etc., to the American Bronze Co., Chicago. An illustration of a handsome piece of work recently executed at this company's foundry will be seen in their advertisement on another page in this issue.

WYOMING MARBLE.

Samples of Wyoming marble from the quarries of the Wyoming Pioneer Marble and Building Stone Co., Sheridan, Wyo., have been received at the office of this journal. The specimens include eleven distinct varieties of fine grained beautifully colored marbles, including several shades of pink, gray and red. Some of the samples are of crystalline formation, others are fossiliferous. The colors in some of the variegated samples are peculiarly blended while others are mottled or veined in unique designs. The samples are all highly polished and the sharp edges and distinct lines on the polished surfaces show the fitness of the material for decorative purposes. Two tests made of marble from these quarries by Wm. C. Day, of the United States geological survey, on the Timms-Olson testing machine, showed a remarkable crushing strength. The company, of which Mr. A. W. Lindley, an experienced marble man, is general manager, is offering for sale a limited amount of capital stock for the purpose of raising money with which to properly equip the quarries and manufacturing plant.



Your Orders for Pink Westerly Granite

FINISHED or in the ROUGH

Will receive prompt and satisfactory attention at reasonable prices. * * * * *

My plant is equipped with all the latest economical Stone Working Machinery.

F. M. LADD, 204 Bank St. NEW LONDON, CONN.

**Dark Blue. } SEND FOR... } Dark Mottled Blue.
Plain Blue. } PRICE LIST. } Dark Veined Blue.**

The best Blue Marble in the Market is the

"UNFADING BLUE" FROM PENNSYLVANIA.

WORKS EASILY AND FINISHES NICELY.

Also handle Marble from the leading well known quarries of Gouverneur, N. Y.
SAWED STOCK. FINISHED MONUMENTS.

D. J. WHITNEY, - Gouverneur N. Y.

— FOR ESTIMATES SEND PLANS TO —
J. E. ROCHE, BUILDER OF
Mausoleums and Underground Vaults
AND SETTER OF LARGE MONUMENTS,
All kinds of Cemetery Work done Promptly.
ALL WORK FIRST-CLASS. WESTERLY, R. I.

T. F. MANNEX,

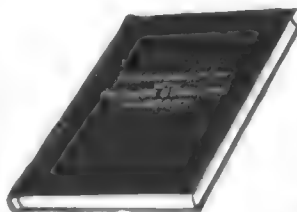
Proprietor of the famous A. REINHALTER

Extra Dark Quincy Granite Quarry
WEST QUINCY, MASS.

Columns, Balls, Vases, Urns, Round Monuments, Samples, Etc.

Polished Balls mounted to hang on your watch chain.

Dies, Bases, Caps, Etc., Squared and Polished for the Trade.



The Granite Exchange Co.
BOOK AND KEY

Containing Ratings of the Granite, Stone, Marble, Quarries, Monumental Dealers and Workers throughout the United States and Canada. Special facilities for reporting everywhere. Legal correspondents under contract in towns and cities in the United States and Canada.

Subscription Price, \$25.00 per Year.
Including Reports. References furnished if desired.

ADDRESS

EDWARD P. OXNARD, TREAS.,
1011-13 Pemberton Bldg., Pemberton Sq., BOSTON, MASS.



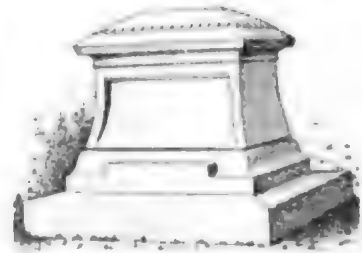
Always in Demand
Get one or more for Stock
Send for our Prices in
Dark Barre

You cannot afford
to miss this
chance.

ELWELL No. 1.

L. M. ELWELL,
47 Winter @ 129 Tremont Sts., **BOSTON, MASS.**

	Established 1867. F. PHILLIPS Manufacturer of MARBLE, GRANITE and SOFT STONE CUTTERS' TOOLS. Send for Price List. Park Ave. and Preston St. BALTIMORE, MD.
Expert Marble Tool Sharpening.	



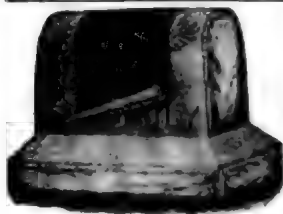
No. 255-50c.

Sent postpaid on receipt of price
R. J. HAIGHT,
324 Dearborn St., **CHICAGO.**

Can you read?

1881. THE QUINCY CO-OPERATIVE GRANITE CO., 1902.
QUINCY. - MASS.

If so, read the following: When in
need of good stock, good workman-
ship, and an all round job, send your
sketches right along this way. ☐
A No. 1 is our Trade-mark.



Monumental Designs

PHOTOGRAPHED IN
MIRROR STYLE
Mounted on cloth. Exclusive sale of Photographs from original
designs guaranteed to owners. Send in your drawings and
see what Photography will do for them.

C. E. BALDWIN,
FLINT, MICH.

YOUNG BROTHERS, MANUFACTURERS OF
GENERAL MONUMENTAL WORK
From the Best
LIGHT and DARK **Barre Granite**
PEVERLY BROTHERS, Agents,
1215 Filbert Street, PHILADELPHIA. **BARRE, VT.**



Roofing Slate, Blackboards, Structural Slate

Special attention given to Slate Burial Vaults, Catacombs, Etc.
ALL ORDERS FILLED PROMPTLY,
AND GOOD WORK GUARANTEED.
All Sizes Kept Constantly in Stock.
Order Direct from the Manufacturers.
BANGOR STRUCTURAL SLATE COMPANY
LOCK BOX 48. BANGOR, PENN.

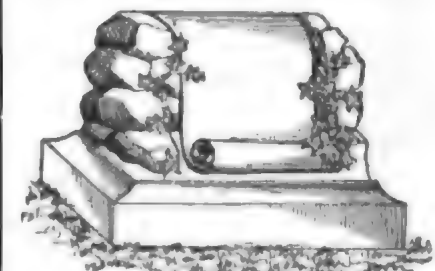
THE STONE TRADES JOURNAL ILLUSTRATED. Established 1882.

A trade journal read by merchants and workers of Stone, Marble, Granite and Slate. Architects
Builders, Sculptors, Monumental Masons, Quarry Owners, Manufacturers and users of Stoneware,
Tiles, Bricks, Cement, Surveyors, Sanitary and Municipal Engineers. **MONTHLY FOURPENCE.**
By subscription for Countries in the Postal Union 5s. 6d. postfree per annum payable in advance.
Offices: 111 Fleet Street, London, England.
Subscriptions and advertisements received at "The Monumental News" Office.

Advertising Cuts.



SEND
FOR
CATALOG



No. 16-50c.

R. J. HAIGHT,
324 Dearborn St., **CHICAGO.**

Trade Literature, Etc.

Clark & Bagg, Pittsfield, Mass., have issued an illustrated catalogue of monumental work and cemetery supplies.

James Billiard, of North Wales, Pa., sends us a news item in regard to a Chinese cemetery to be established at Flushing, in Bucks county.

Montague Castle, 39 E. 19th St., New York City. A leaflet issued especially for clergymen and laymen contemplating the erection of memorial and art glass windows.

The catalogue of F. Barnicoat, Quincy, Mass., sculptor and granite manufacturer, illustrates 56 of his well known statues, and interior and exterior views of his establishment.

Card announcing the removal of the Granite Exchange Co. into their new quarters in the Pemberton Building, Philadelphia, where they have associated themselves with Judge H. P. Harriman, their new counsel.

Louisiana Purchase Exposition, St. Louis, 1904. Announcement to art workers concerning an official emblem for the Exposition. Given in detail on another page. An artistically designed cover in red cloth.

The Harrison Supply Co., Boston, Mass., have issued an attractive advertising blotter, containing a notice to the trade of some special prices on putty powder, and a handsomely colored picture entitled, "Moonlight at Sea."

John B. Sullivan & Son, Taunton, Mass., have gotten out an illustrated booklet containing half-tone views of some fine work erected by them, including the soldiers' monument recently unveiled in that city, and a view of their yards.

From Trow & Holden, Barre, Vt., comes a profusely illustrated catalogue and price-list of granite tools, containing a view of their works at Barre. It is bound in green with a silver-embossed cover, and is an accurate guide to this firm's large stock.

Catalogue of the L. J. Kelly Mfg. Co., Albany, N. Y. A complete illustrated guide and price-list of lifting-jacks, winches, truck-windlasses, breast and ditch derricks, and everything in the hoisting line. Their recently enlarged plant and new machinery, make this catalogue of interest.

Creole Beauties, No. 7, catalogue of the Georgia Marble Finishing Works, Canton, Ga. This is a supplement to their No. 6, and is a special book on standard low-priced jobs. It illustrates many different styles of moderate cost monuments and low-priced markers, and will be appreciated by the trade.

The American Air Compressor Works, 26 Cortlandt St., New York, send a neat, and well-printed booklet, illustrative and descriptive of a few of the American types of air compressors. They are soon to issue a complete catalogue, giving descriptions and illustrations of their entire output and other valuable data.

The Brandon Italian Marble Co., Middlebury, Vt., send a neatly printed booklet descriptive of the various marbles handled by this firm, giving terms and detailed prices in all classes of work. Illustrated with a number of half-tones, showing some fine work in Brandon Italian. They are sending out to the trade a private mailing card giving a special offer in five-inch posts, of which they have a large stock.

The Van Amringe Granite Co., Boston, Mass., issue a circular giving location of granite memorials erected by them in Forest Hills Cemetery, and also a circular of the Smith Granite Co., of Westerly, R. I., whom they represent, giving the location of the graves of some of the noted people who are buried in Mount Auburn Cemetery, Cambridge. The lists are valuable for reference to any one visiting Boston.

BOOKS FOR THE TRADE.

Mailed on receipt of price postpaid.
Address R. J. HAIGHT,
324 Dearborn St., Chicago.

ALPHABETS AND EPITAPHS.

EPITAPHS AND USEFUL INFORMATION. Barney

Contains 140 carefully selected and conveniently arranged epitaphs. Model forms for inscription. Seven popular alphabets. Twenty or more practical recipes and valuable suggestions. 39 pages, 4 x 6. Price 25c.

POCKET BOOK OF ALPHABETS FOR STONE CUTTERS AND DRAFTSMEN.

Contains the following Alphabets: Church Text, Egyptian, Egyptian Perspective, French, French Antique, French Renaissance, German Text, Italic, Italian Shaded, Italian Hairline, Monograms, Old English, Old Roman, Open Roman, Open Stone, Ornamental, Roman, Latin, Rustic, Teutonic, Etc. 32 pages, 4x7 inches. Price 20c.

DRAWING, MODELING, ETC.

ANATOMY IN ART.

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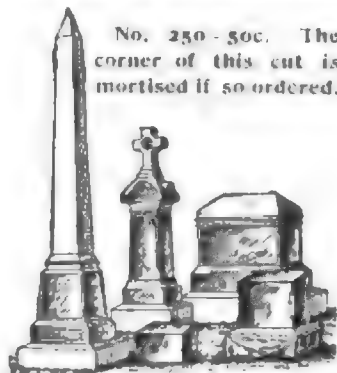
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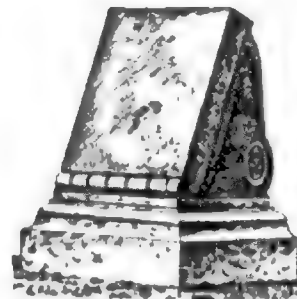
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A MONTHLY JOURNAL OF MONUMENTAL ART.

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Concession in Freight Rates. The action of the Western Classification Committee at its meeting last month in partially granting the appeal made in behalf of marble and granite shippers will be hailed with delight by western dealers. While the roads do not concede all that was asked, the concession is nevertheless of no mean importance and will be greatly appreciated by the trade. The new tariff which is to take effect August 15th 1902 provides that rough and finished marble and granite in less than car loads shall be shipped as fourth class, and carloads as class "C", with no carriers liability, shippers to give a general release constituting a contract. When not so released the classification will be first and third. Finished marble or granite lettered or carved, less than carloads, third class, carloads fifth class. Considering the small amount of finished work that is damaged in transit, releasing the carriers from liability will not be regarded as a serious objection to such an agreement. Everyone knows that a claim filed under the present restricted valuation of 40 cents per cubic foot for finished work amounts to little or nothing. Dealers will also benefit by the new tariff in the shipment of "mixed cars" including rough and finished work. Heretofore such shipments have always taken the highest rate even when they consisted principally of rough stock, whereas they will now be billed fourth class and "D" for less than carloads and carloads

respectively. The trade was represented by Mr. H. D. Pierce and Mr. Edward MacLane of Chicago, and Mr. Russell A. Sears, Ex-Mayor of Quincy, Mass., the latter gentleman having been sent through the combined efforts of the Wholesale Granite Dealers' Association, and the Quincy and Barre Granite Manufacturers' Associations. These gentlemen had a convincing array of facts and figures for consideration of the Committee which resulted in creating the desired impression. The success of the efforts is another illustration of the value of perseverance and co-operation. It has cost time and money to accomplish this result but the end has justified the means.

The Barre Granite Exchange. The Barre Granite Exchange continues to attract the attention of all interested in the progress of the granite industry in connection with the monumental trade. At the time of its organization, some four months ago, THE MONUMENTAL NEWS gave a resume of its aims and objects, and the methods proposed to be adopted to secure the desired results, and while it has received severe criticism and has not yet been able to gather in membership all those of the Manufacturers' Association and others qualified, it is making progress. The volume of business passing through the Exchange continues to increase, and it is affirmed that there is no longer such a great difference in the estimates submitted on the same work as was formerly noticeable, which affords some assurance that the manufacturers are maintaining Exchange prices. A new price list has been issued which in a measure overcomes the objections that were raised against the first price list and with these prices established and honestly adhered to, the advocates of the Exchange expect complete success. The better class of retail dealers want to be assured that reasonably uniform prices will be maintained for the best grades of work as this will tend to regulate competition and inspire confidence in the merits of the Exchange.

Cemetery Superintendents' Convention. The Sixteenth annual Convention of the Association of American Cemetery Superintendents will be held at Boston, Mass., Aug. 19-21. The annual gatherings of this organization have been productive of much good in the cause of cemetery management and development. The discussion of practical subjects pertaining to the work of the cemetery superintendent and the inspection of cemeteries and

parks where the meetings are held brings those who are privileged to attend into close touch with the best minds in this line of work, and results in the dissemination of valuable information. This is the second time in the history of the association that a meeting has been held in Boston, and a pleasant and profitable convention is assured.

Monuments to Those Who Deserve Them. Probably no such strenuous opposition was ever made to the erection of a monument to a deceased person well known in public life as the proposed appropriation of state money for a monument to Benjamin F. Butler in Massachusetts. Committees composed of some of the most influential men in the old Bay State presented such vigorous and well-grounded protests that the bill failed to receive favorable consideration. The same proposition has been defeated several times. This instance calls to mind the custom that obtains in a certain foreign country where the erection of public memorials is prohibited until the deceased has been dead at least fifty years. If his fame survives that length of time he is considered worthy of public recognition. While this might have a tendency to decrease the number of public memorials to individuals it would at least insure the erection of monuments to men and women whose lives would inspire rising generations with a desire to emulate them, and monuments to political tricksters, would-be philanthropists and egotists would not be as numerous as they are likely to become.

MICHIGAN MARBLE DEALERS' ASSOCIATION.

Replies received from a circular letter sent to retail monument dealers in Michigan relative to holding a meeting of the dealers of that state for the discussion of matters pertaining to the trade does not warrant the belief that such a meeting would be largely attended if held at this time, but the earnestness manifested in many of the replies implies a desire on the part of a few to get together to discuss such subjects as freight rates, uniform prices for workmen, contracts and Supreme Court decisions in regard thereto, better work and better prices, the attitude of Barre manufacturers, prison labor, etc. Surely, here is an array of subjects that are of deep interest, to say nothing of those of an ethical nature that might also be discussed that would tend to make the gathering one of interest and profit to all progressive monument dealers.

Secretary M. S. Dart of the Michigan Marble and Stone Dealers' Association authorizes the statement that a meeting of the association may be called if a sufficient number of dealers to constitute a quorum request it. Members who are in sympathy with

the movement should communicate with Mr. Dart, whose address is 916 Sixteenth street, Detroit, Michigan.

PRODUCTION OF STONE IN 1901.

The value of the entire production of stone in the United States in 1901, as given in "Mineral Resources of the United States, 1901," now in press, United States Geological Survey, was \$60,982,060, a gain of \$12,295,405 over the value of the product of 1900. This great increase in value was shared by all kinds of stone. The total value just given includes also, in order to show the entire stone production for the whole country, the values for grindstones and whetstones, and for limestone forblast-furnace flux, which should not be included, properly speaking, under the heading of stone, as they are reported separately for themselves. Limestone, including blast-furnace flux, showed the greatest increase, from \$20,354,019 in 1900 to \$26,406,897 in 1901, or 30 per cent. Granite showed the next greatest increase, from over \$12,000,000 in 1900 to over \$15,000,000 in 1901, or over 26 per cent. Sandstone increased from over \$7,000,090 in 1900 to not far from \$9,000,000 in 1901, about 24 per cent. The marble production increased to \$4,965,699 in 1901, or 16 per cent, and the slate production increased to \$4,787,525 in 1901, about 13 per cent.

In the order of production, Pennsylvania, producing every kind of stone, ranks first, with a total value of \$10,772,288; Vermont is second in rank, with a product valued at \$5,366,740; Ohio is third, with a value of \$5,183,225; New York fourth, followed by Maine, Indiana, Massachusetts and Illinois, in the order named, each one of these State producing stone valued at over \$2,000,000.

The increase in the building stone produced in 1901, as compared with 1900, is notable. In 1900 it was valued at \$10,672,598; in 1901, at \$15,112,600, a gain of \$4,440,002. Crushed stone for road making and for various other purposes increased in value from about \$6,500,000 in 1900 to \$8,500,000 in 1901, a gain of over \$2,000,000.

The value of the stone imported into this country for the fiscal year ending June 3, 1901, was \$1,276,602, as compared with \$1,028,550 for 1900, a considerable increase, of which marble and manufactured marble constituted by far the greatest part, amounting to about \$1,024,687. The total value of the stone exported from the United States in 1901 was \$2,672,876, a decrease of about \$90,000, as compared with 1900. The chief export was roofing slate, which was valued at \$950,543 in 1900, and at \$898,262 in 1901, a decrease of \$52,281.

Commodore Perkins Monument, Concord, N. H.

The accompanying illustration shows the monument recently erected at Concord, N. H., in memory of Commodore George H. Perkins, New Hampshire's naval hero. It is a gift to the state from Mrs. Larz Anderson, the Commodore's daughter.

The statue is of bronze, eight feet high, and was modeled by Daniel Chester French, with Mr. Henry Bacon, of New York, associated as architect. The general plan of the memorial is that of a semi-Greek exedra of elliptical form, approached in front by low steps.

The prow is 11 feet 6 inches in length by 4 feet 3 inches in height, and 5 feet in depth, and runs through to the back of the monument.

The stones of the pedestal are joined by dowsing, and no mortar is used. The cap stone or cornice of the pedestal is a single piece of granite 10 feet 4 inches long, 1 foot 8 inches high, and 5 feet in depth. In the spandrels at the top of the niche are bas-reliefs representing Peace and War. On the sides of the monument are battle emblems and seals of the Naval Academy at Annapolis, and of



COMMODORE PERKINS MEMORIAL, CONCORD, N. H., DANIEL CHESTER FRENCH, SC.

The outside dimensions of the monument are 42 feet in length by 20 feet in depth, and 20 feet from the ground at the highest point.

In the center of the pedestal proper is a niche in which stands the figure of Commodore Perkins. He is shown in full naval costume, holding his hat in one hand, while the other rests on his sword. The top of the pedestal is carved and molded, and the sides are ornamented with bas-relief carvings.

Just beneath the prow of the ship which serves as the pedestal is the inscription giving the Commodore's record, and on the central slab of the pavement in front of the statue is inscribed a list of the principal engagements in which he took part.

the State of New Hampshire. The pillars forming the ends of the exedra are ornamented with moldings and faced with bronze tablets depicting scenes in the life of Commodore Perkins.

One of them shows the surrender of New Orleans, in which the Commodore played an important and heroic part, and the other represents his vessel in action.

The memorial stands on the west side of the capitol grounds, and is made of Troy white granite, cut by the Troy White Granite Co., Troy, N. H., with the exception of the niche, which is faced in Tennessee marble. The bronze was cast by the Henry-Bonnard Company, of New York.

Sculpture at the Chicago Art Institute.

The continued and rapid progress in the character of work done at the Art Institute of Chicago is more than ever apparent in this year's exhibition of students' work now on view. There were 2,339 students enrolled during the past year, and the work accomplished, both as to amount and quality, has been unusually successful.

Especially is this true of the department of sculpture, which has done some remarkable large work in studies of draped figures, and many excellent busts and smaller studies in the nude. It is the aim of this department to give its students a wider training than is commonly obtainable at art schools where the efforts are confined to academic studies of single figures, with no practical purpose in view. Both the management and the instructors are in thorough sympathy in making it their object to fit young men and women to be useful in a studio by giving them the varied experience of a young apprentice as well as the academic training. It is generally the opinion of those familiar with the sculpture work of the Art Institute that training is nowhere more thorough and practical, and that students who leave there for a professional career do not start out with only a knowledge of the nude figure.

There were 119 students enrolled for work in sculpture; both day and evening classes have been large and enthusiastic, and more and better work than ever before is the result. Views of the day and evening life classes at work under the direction of the instructors, Messrs. Lorado Taft and Charles J. Mulligan, are shown, and will give some idea of the facilities afforded.

A special class in plastic decoration, for wood and stone carvers, plaster workers, frame makers, etc., is taught by Ferdinand Moreau, and a number of well modeled designs for friezes, panels, spandrels, etc., can be seen in the architectural exhibit.

In the School of Architecture there were 117 students. This school is conducted in conjunction with the Armour Institute of Technology, the latter furnishing the instruction in the scientific and mathematical branches and the Art Institute in the artistic and technical side of the work. The course covers four years, and includes the counsel and criticism of a committee of practicing architects, who act as a board of visitors.

The two pretentious pieces of sculpture illustrated here were modeled by Mr. Taft's class, and represent a "Funeral Group," and a design for a "Fountain of the Great Lakes." The Funeral

Group is an excellent conception of a primitive burial, in atmosphere somewhat suggestive of Barrias' "First Burial," and in individual modeling the figures bear evidence of a close study of Rodin's "Citizen of Calais." The work is impressive and dignified, and the severe lines of face, form and drapery are well wrought. Ten life-size figures compose the group, six of them bearing the sarcophagus.



FOUNTAIN OF THE GREAT LAKES STUDENTS' WORK,
CHICAGO ART INSTITUTE.

two mourners walking in front and two behind. The two in front walk with bowed heads and faces covered by gaunt hands, and those behind gaze upward with haggard faces, holding their skinny arms in attitudes of prayer. The figures are slightly tinted, to add to the general weird effect.

Quite the opposite atmosphere surrounds the joyous fountain group, representing the Great Lakes, which would be happily placed against a back-



A FUNERAL GROUP, BY STUDENTS OF THE CHICAGO ART INSTITUTE.

ground of foliage in a park of any of the lake cities. The surmounting figure represents "Superior," and was modeled by Miss Nellie V. Walker. She leans slightly toward the left and holds out to her right hand a shell from which the water flows into another

held by "Huron," who stands just beneath her, and was modeled by Angelica McNulty. Bending over at Huron's right is her twin sister, "Michigan," holding a jug of water which she empties into the shell. Michigan is the work of Miss Clara Leonard.



DAY LIFE CLASS IN SCULPTURE, CHICAGO ART INSTITUTE. LORADO TAFT, INSTRUCTOR.



EVENING LIFE CLASS IN SCULPTURE, CHICAGO ART INSTITUTE, CHAS. J. MULLIGAN, INSTRUCTOR.

At the left is "Erie," by Miss Lily Schoenbrun. Erie looks expectantly at Michigan and holds her shell to pass the stream on to "Ontario," who crouches with her shell in one hand while with the other she splashes the water on its way down the St. Lawrence. Ontario was done by Miss Edith Parker. The conception is particularly happy for a fountain, and is admirably in touch with nature, making it well suited to the natural element predominating in modern parks. The theme is imaginative and poetic in suggestion and the figures

well symbolize the lakes they represent. They are successfully placed to form a well-balanced group, and are modeled with spirit and deftness of touch.

About thirty smaller works in red clay, consisting of statuettes, busts and half-figures attest the proficiency of the class in academic modeling. Four seated nude figures, made from the same model, placed at different corners of one of the stands, are well done, and a number of half-figures of a muscular Italian, stripped to the waist, show skillful work and some individuality of treatment.

The Art Palaces, St. Louis Exposition.

The Goldie Construction Company, of Chicago, has been awarded the contract for the construction of the Art Palaces of the Exposition, for \$945,127.50. The site of these splendid buildings is upon a plateau sixty feet above the general level of the main group of exposition buildings. Originally it was intended that these buildings should be a part of the central exposition picture, but in the development of the plan a highly ornate festival hall with rich screens and sculptures flanking either side has been given a place at the brow of the hill and the Art Palaces will stand 125 feet farther to the southwest. The Art Palaces have a total frontage in the northeast facade of 836 feet. The middle building is 348 by 166 feet, and is of the most substantial and enduring fire-proof construction. This building will contain a magnifi-

cent hall for statuary, the dimensions being 157 by 94 feet, with an arched ceiling fifty-one feet high. Art galleries will have places on either side of the sculpture hall. The two art pavilions on either side are of temporary construction, each being 200 feet by 422 feet in size. Each will stand forty-four feet from the central building. A court 530 by 262 feet south of the central building, enclosed on three sides, will receive a rich decoration in landscape effects and will be one of the many delightful resting places to be found in the Exposition. The Art group is designed in a graceful, well-proportioned Ionic style, accentuated at the main entrance of the center building by a Corinthian order of majestic proportions. The lighting of the buildings will be such that the entire interior sidewall space may be available for pictures.

Statue of "Tedyuscung," Fairmount Park, Philadelphia.

Thanks to the generosity of Mr. and Mrs. Chas. W. Henry, of Philadelphia, the old and battered wooden figure which so long marred the beautiful and historic spot known to all Philadelphians as Indian Rock, and which has been made to stand the test of time and tempest since 1856, has been replaced by one of noble proportions, created from a splendid piece of Lenox marble, after designs by Sculptor J. Massey Rhind, of New York.

In designing the statue Mr. Rhind has clothed the Indian in all the full war panoply of the Lenni Lenape tribes, which, until 1763, had their homes in the Wissahickon Ravine. The rock on which the figure stands, or crouches, was formerly known as Council Rock. The last council of the Lenape tribe of Indians was held here in 1863, just previous to the departure of the tribe for Wyoming county, where the Colonial government had provided them with a reservation. It was from this rock, according to legendary history, that Tedyuscung, the chief, took his last farewell glimpse over the beautiful Wissahickon Ravine.

The old wooden figure was said to have been carved by one John or Joseph Middleton, a local carpenter, whose charge was \$23, including \$7 for the blacksmith who riveted the famous Indian to the rock with iron braces.

The new statue was unveiled on the 14th of July, in the presence of a big gathering of judicial and municipal officials, and the formal presentation was made by the donors to the Commissioners of Fairmount Park. The sculptor has chosen the picturesque form and attitudes—crouching with hands uplifted, shading his eyes, the Indian attired in the huge war bonnet and armed with bow, arrow and tomahawk, is a splendid land mark, with all the attributes of skillful modeling and chisel work.

The statue is 15 feet high, and the total cost of the figure and pedestal was \$6,500.

The sculptors of this city are fairly busy, their present aspirations leaning toward the creation of a bust of Madona, or a panel in low relief of the

children, and these serve as pot boilers to the sculptor while awaiting one of the many commissions that will be handed out through the agency of the council on the opening of the new boulevard ex-



STATUE OF "TEDYUSCUNG," FAIRMOUNT PARK, PHILADELPHIA tending from the City Hall to Fairmount Park, which is now an assured fact.

The reduction of the appropriation from \$20,000,000 to \$6,000,000 is the best evidence of the municipal fathers' intention, and at a meeting at the Art Club on the 13th no surprise was felt when the committee pointed out that the average citizen would be shocked by such a lavish outlay of the tax payers' money. The plans are being slowly but surely formulated, and piazzas and statues are to be accommodated with interesting and picturesque niches to make "The City Beautiful."—*W. P. Lockington.*

Three Requisites of Business Success.

In an address delivered by Daniel B. Murphy at a meeting of the Rochester Retail Grocers' Association, he said a number of good things applicable to any line of business from which we quote the following:

"There are at least three essential requisites for the successful management of business. These are character, capacity and capital. While all these requisites are fundamental, the greatest is character. No man can hope to permanently suc-

ceed in life's struggles whose line of action is not based upon the principles of honesty, uprightness and integrity. A merchant should be honest with himself, honest with his patrons and honest with his fellow business men.

"To be honest with himself implies a full and accurate knowledge of the details of his business affairs. He should keep his books in such a manner as to enable him at any time to show definitely what his assets and liabilities are. His

books should indicate daily the amount of stock on hand at cost, the amount of his book accounts at actual value and, also, the amount due his creditors. He should also have before him as a stimulus to greater effort a comparative statement of sales and expenses, extending over a series of years. A successful enterprise cannot stand still. It must be progressive in order to be enduring, and every employee should share this commendable ambition of his employer.

"In this connection I might say that it is very important that a merchant should have his stock fully protected by fire insurance. Insurance companies assume this risk for him at a reasonable compensation. It is their business to take risks of this kind and not the merchant's.

"A merchant should also be honest with himself to the extent of appreciating fully what a priceless boon it is to have it known in commercial centers of the country that he is reliable and trustworthy in every transaction, that his word is synonymous with his bond, and that he is ever keenly sensitive to the necessity of preserving his good name. Without honor, integrity and manhood, a man has nothing and can have nothing. These qualities are vital to every man, whether in business or out of business, and their value cannot be estimated on a basis of dollars and cents.

"Secondly, a merchant should be honest with his patrons. It is incumbent on him to give honest value, and correct measurements. No misrepresentation. The unreasonable complaints that arise in the life of the merchant should be met with tact and diplomacy and the patron appeased if possible, but not at the cost of principle or self-respect.

"A merchant should also be honest with his fellow business men. This implies that when called upon to give his experience with regard to the standing of a certain customer, the information should be candid and reliable.

"Credit should always be judiciously granted, and never indiscriminately or in a haphazard manner. A man who grants credit should be a good judge of human nature, and with tact and discretion should secure proper information from the applicant for credit as to his financial and moral responsibilities, who his references are, and, also, whether he is disposed to comply in every respect with the terms of settlement submitted to him.

"Financial responsibility is not, after all, the only basis of credit. Moral responsibility, in my judgment, is quite as important and more desirable. I have infinitely more respect for, and confidence in, a person who pays from a high sense of duty than I have for a person who pays because he cannot avoid payment.



MONUMENT ERECTED BY GRANITE CUTTERS' NATIONAL UNION TO JOSIAH B. DYER, FORMER SECRETARY OF THE UNION, BLOSSOM HILL CEMETERY, CONCORD, N. H.

Setting the Heavy Granite Columns on the Hall of Records.

The handsome Hall of Records which is now building at the corner of Chambers and Center Streets New York is beginning to take on material

ches in diameter, and 36 feet long. The capitals are 6 feet in height and the base-stones 2 feet thick. The weight of each shaft is estimated at between



LIFTING A 40-TON COLUMN TO POSITION ON THE NEW HALL OF RECORDS, NEW YORK

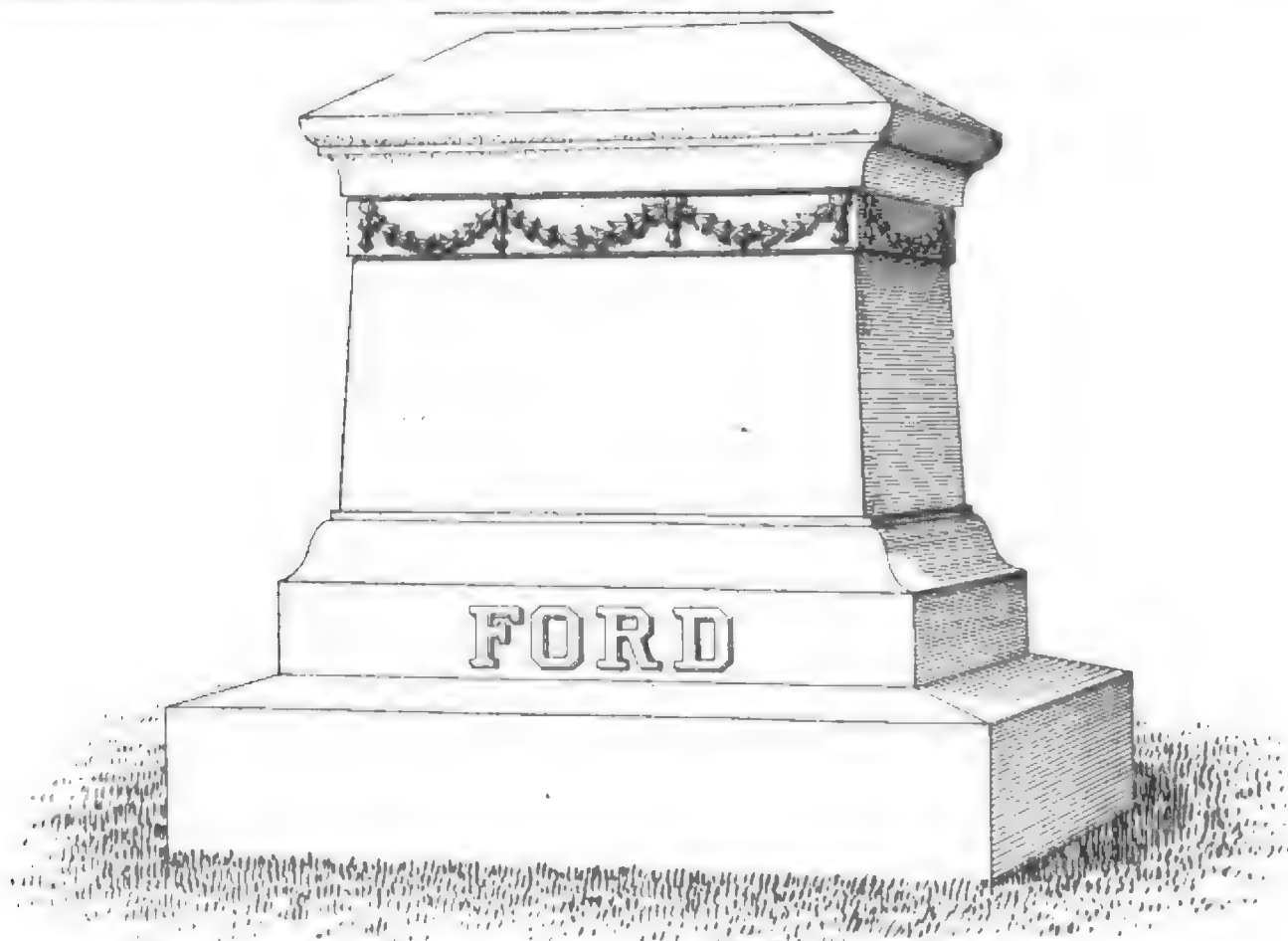
form and to show forth the beauty of its design, says the *Scientific American*. Eight of the huge columns which are to adorn its exterior have been delivered and set up in position on the front of the building. The columns are the largest monoliths so far used in this city, having a shaft 4 feet 2 in-

38 and 40 tons. The base-stones weigh 6 tons, and the capitals, carved from 19 ton blocks of granite, are estimated as weighing 15 tons. The columns were quarried from Hallowell granite. When transporting them through the streets, to prevent the trucks from sinking into the asphalt

pavement at the pier, planks were placed under the wheels and then the huge stone was lifted by a powerful derrick and lowered gently on the truck. Twenty-two horses were used in carting the shafts to their destination, and in passing up Broadway depressions were constantly made in the street and man-holes were cracked and broken.

The problem of setting the columns was no small one. The derricks available had each a lifting power of 25 tons, and it was necessary to use two at a time to raise each column. It was important that each derrick should bear an equal part of the burden, for should a greater weight than 25 tons be accidentally shifted onto one of the derricks, a catastrophe would result. In order to preserve an exact balance of weight, a single stretch of cable was used for both derricks, the cable passing around an equalizer block which may be seen in the engraving between the two four-sheave blocks. Special care had to be exercised to protect the fluting from injury while the shaft was raised. Half round birchwood sticks, spaced and sized to fit snugly into the channels, were nailed to oak blocks, and the chains were then wrapped over these blocks around the shaft. Lewises were an-

chored in dovetail openings in the top face of the shaft and to these a block was lashed which abutted the ends of two of the side blocks. The purpose of this was to prevent the birch sticks from sliding along the fluting and breaking the stone at the end of the channels. Another difficulty which presented itself was the danger of damaging the butt of the shaft if it were permitted to bear the weight of the stone while being raised to vertical position. This difficulty was overcome by building a cradle, as illustrated, and resting the column on a round stud extending between the side walls. Two 3-inch steel pins inserted in the base of the shaft straddled this stud to keep the stone from slipping. The cradle was mounted on rollers and was so connected to the top of the column that any upward movement of the latter would result in a forward movement of the cradle. This advance motion was assisted by the use of hand-spikes as the shaft approached the vertical. The purpose of this device was to prevent sidewise swing of the derrick boom and to assist in the rapid setting of the columns. Twenty-four more columns are to be placed on this building, making thirty-two in all.



Design for Monument.

Sizes:—Base, 5-0×31×1-2; 2nd Base, 4-0×2-1×1-0; Die, 3-3×1-4×1-8; Cap, 3-9×1-10×1-5.

Ancient Cross-Slabs.

A Short History of Sepulchral Cross-Slabs, with reference to other emblems found thereon, by K. E. Styan: Bembrose & Sons, London, 1902; E. & J. B. Young & Co., New York Agents.



FLORIATED CROSS SLAB, 13TH CENTURY

This interesting volume is a short popular history of the sepulchral cross-slabs of the early centuries, for the use of both students and general readers. The author has touched all the leading facts in the history of these old monumental stones, and gives, in addition, facts concerning the methods of designing and making the slabs, the meaning of the symbols found on them, their chronology and detailed descriptions of about seventy different slabs, all of which are illustrated. The illustrations, two of which are shown here, are from drawings made by the author.

Two of the most interesting divisions of the book are those headed "Treatment of Slabs," and "The Chronology of Cross-Slabs." In the former the writer describes the two distinct methods employed in the treatment of designs, in making the "incised" and "raised" slabs. In the first method mentioned the incision was made either by means of one clear line around the design, or by two lines with a space between them, the space being filled with plaster, pitch, cement, lead, or other material. Sometimes the whole design was entirely cleared away to a depth of about a quarter of an inch and the matrix filled with one of the above materials, with some colored composition or a stone of varying hue. The raised slabs were recumbent stones, flat or coped, bearing crosses or emblems with much variety and originality of design and delicacy of execution. Those of the eleventh and twelfth centu-

ries show a certain roughness and crudeness of design, those of the fourteenth surpassing all the others in beauty of design. At the end of the fourteenth century leaden and wooden coffins came into use, the stone ones gradually falling into disuse.

Under the head of Chronology the author details the characteristics of the slabs of different periods, and describes the methods used by students in identifying them and placing them in the proper chronological period. Among the various points by which the age of slabs can be figured the following are mentioned: The form of the carved crosses; the mode of inscriptions and form of letters; the style of the ornamentations and symbols of profession employed.

The floriated cross-slab shown is a type of raised slab of the thirteenth century. It was found in 1877, thirty feet below the foundation of the Church of St. Antolins, at the corner of Budge Row and Size Lane, London, when that structure was torn down. It was presented to the city of London and may now be seen in the Guildhall museum. The lower part is broken away, but the upper part shows a richly carved floriated design of great beauty.



SIMPLE RAISED CROSS-SLAB, 13TH CENTURY.

The other illustration shows a simple raised cross-slab of the thirteenth century, which is also to be found in the Guildhall Museum, London. The book is one that should be found in the library of every one interested in the history of memorial art.

Sculpture.

FREDWIN ELWELL has recently modeled a bronze bust of Frank B. Sanborn to be placed in the state capitol at Topeka, Kas. The bust is to be the property of the state historical society, of Kansas, and is now on exhibition at the art museum in Boston, Mass.

CHARLES J. MULLIGAN, of the Chicago Art Institute, modeled the fountain unveiled in Independence Square, July 4. The group represents Patriotism, and has for its central figure, a statue of a boy carrying a drum and flag, which was illustrated in our March issue.

R. F. BROOKS, of Boston, has completed at his studio in Paris, models for the two statues to represent the state of Maryland in the rotunda of the capitol at Washington. The statues are portraits of Charles Carroll, and John Hanson, and are to be cast in bronze and shown at the Salon next year. The statues are to cost \$24,000 which was appropriated by the Legislature of 1898.

AUGUSTUS ST. GAUDENS has completed his statue of former Governor Roswell P. Flower, of New York, which is to be erected at Watertown, N. Y., by friends of the late Governor. It is to be placed on its pedestal in the public square August 15, and will be unveiled on Labor Day, with elaborate exercises including addresses by former Lieut-Governor Sheehan, and Senator Spooner, of Wisconsin.

MRS. CADWALADER-GUILD'S bronze bust of the late President McKinley was recently on view in the president's room in the capitol at Washington. It is an idealized portrait, portraying the personality of Mr. McKinley, and has been much praised by his friends. Mrs. Guild has also executed in her studio at Berlin portraits of the Queen of Holland, the Czarina of Russia, Gladstone, and the painter, Watt.

EDWARD BERGE will model the surmounting bronze statue for the monument to Mexican Veterans to be erected in Baltimore, Md. The figure represents Lieutenant Colonel Watson. It will be ten feet in height. It will be mounted on a pedestal of Maryland granite, ornamented with pilasters at the four corners, standing on a broad circular base composed of a low sweep of steps. The design is by Hodges & Leach, architects, of Baltimore.

M. CHAPU, of Paris, modeled the bronze memorial recently unveiled in the Court House at Baltimore, Md., in memory of Severn Teackle Wallis, a well-known lawyer of that city. It is similar in design to the memorial to Henri Regnault in the School of Fine Arts at Paris, and consists of a life-size bust surmounting a pedestal ten feet high, in front of which kneels a symbolic figure of Fame, holding aloft a laurel wreath.

GEORGE JULIAN ZOLNAV has been commissioned to execute a statue of Sam Davis to be placed in the military park at the armory of the Sam Davis Rifles in Nashville, Tenn. The statue is to be of bronze, seven feet high, and will be mounted on a pedestal ten feet in height. Mr. Zolnav also has the commission for the Confederate monument in memory of the private soldiers to be erected in the same city in the Court House yard, by the Frank Cheatham Bivouac.

M. H. MOSMAN, Chicopee, Mass., has recently modeled and cast at his foundry, the Chicopee Bronze Works, a statue of General Walter Harriman, former governor of New Hampshire. It is to 7½ feet high, and is said to be a good likeness, with much of originality in pose and costume. It is to be dedicated at Warner, N. H. about August 30. This firm also cast Miss Anne Whitney's statue of General Sumner which was incorrectly reported in this department last month as having been cast by the Ames Foundries.

THE AMERICAN Art Society has been chartered at Philadelphia, with a membership of over one hundred of the leading artists of America. The Society is a stock company and states that its object is the exhibition, purchase, and sale of American works of art. An option has been obtained on a suitable art gallery, and the intention is to hold two exhibitions yearly, beginning with the fall exhibition of this year at which they expect to show from 500 to 1000 works. E. Taylor Snow has been elected president, and the temporary quarters of the society are at 727 Walnut St., Philadelphia.

WILLIAM ORDWAY PARTRIDGE, in conjunction with Henry Randal, architect, modeled an elaborate reredos recently erected in the Church of the Epiphany, Washington, D. C. It is of Gothic design, eleven feet high, and fourteen feet long, and is richly carved. The chief sculptural adornment is a high relief representation of The Last Supper, showing a rather original arrangement of the twelve apostles. On either side, are statues of angelic figures, finely modeled and full of character. Across the top, forming a border several feet in width, is an elaborate Gothic ornament. The structure is made of Indiana limestone.

FRANCIS M. HANDLEY, of Milwaukee, one of the prominent American sculptors at Rome in the early eighties, has resumed the practice of his art in that city, after having given it up to enter the service of the Pope. On the accession of King Humbert to the throne during his struggle with Pope Pius IX, Mr. Handley, who was a zealous partisan of the Pope, was ordered to make a statue of the young King. Rather than make it, he closed up his studio, and gave up his sculpture, and entered the service of the Pope, afterward rising to be Private Chamberlain to Pius IX. He was in the service of two Popes, and received a number of religious orders and decorations. Before entering the service of the church, he received a gold medal of honor at the Centennial Exposition of 1876.

AUGUSTE RODIN'S contribution to this year's Paris Salon is described as follows by Louis Legrand in the *Philadelphia Item*: "As you enter the new Salon through the little garden facing the Avenue d'Antin, your eyes fall at once upon three strange nude figures on a high wooden platform. These are the symbolic forms—"Les Ombres"—by M. Rodin that are to crown his Gate of Hell, and that the French, who have a genius for ordering these matters as they should be, have placed in their relative positions at the height at which they will eventually be seen. Fierce emotion, expressed and fixed for ever by the sculptor's Art, is your first impression as you look at the bowed heads and almost distorted limbs, and it is not until afterwards that you begin to question their monumental, their sculptural value; that you feel, as in the "Bourgeois" of Calais, their want of harmonious balance, of noble outline, of just those qualities which distinguish the work of the Greek sculptors who are to M. Rodin, the great masters of all times."

❖ ❖ The Spirit of the Confederacy. ❖ ❖

The model for a bronze group shown in the illustration is the work of F. Wellington Ruckstuhl and is entitled "The Spirit of the Confederacy." It is to be erected by the women of Maryland in honor of Confederate soldiers of that state, and will stand on Mount Royal avenue, Baltimore. The group is 13½ feet high and will surmount a pedestal of polished red granite which will stand on a sodded mound and give the memorial a total height of about twenty-three feet.

The model shows a Confederate soldier reclining in the arms of Fame, who is holding aloft a crown which she is to place on his head. It is an apotheosis of the Confederacy, typifying the valor, suffering and enduring devotion of its soldiers, and suggesting the part played by the southern woman, whose Spartan spirit was their inspiration. The soldier is dying after a discouraging four-years' struggle for duty as he saw it. His face shows no touch of rancor or hate, merely a suggestion of sadness and of pain well-borne. The spirit that never succumbs still nerves his arm to tightly grasp the broken musket, symbolic of the Lost Cause. History has sent Fame to support him tenderly in his last moments and to place the crown upon his head before he passes away.

The group is conceived with poetic feeling and is admirable in technique and execution. The sculptor has wrought his task with sympathetic appreciation and has succeeded in happily blending the realistic and the ideal. It is a distinctly original conception for a soldier's monument, and marks an encouraging departure from the conventional figures so commonly used. The figures are well poised and the group is so arranged as to present a satisfactory view from either direction. The modeling is forceful and incisive, both in the soldier's torn and patched uniform and in the flowing robes and outstretched wings of the symbolic figures.

When Mr. Ruckstuhl conceived the work he had faith enough in his conception to execute it on his own responsibility, in the hope that some southern city would purchase it, and three different places, among them Higginsville, Mo., had opened negotiations for it. The original, however, goes to Baltimore, though there is a possibility of a replica being made for some other city.

The group will be cast by the Henry-Bonnard Company, of New York, and is to be erected under the auspices of the Maryland Daughters of the Confederacy, at a cost of about \$16,000.



THE SPIRIT OF THE CONFEDERACY. F. WELLINGTON
RUCKSTUHL, SC.

Mr. Ruckstuhl, the sculptor, is secretary of the National Sculpture Society and Director of Sculpture for the St. Louis Exposition. He began his artlife in St. Louis and has a number of well-known works in different parts of the country, the majority of which tend toward general and symbolic interpretation rather than toward portrait statues.

Census Statistics of Marble and Granite.

The MONUMENTAL NEWS' Washington correspondent is enabled, through the courtesy of Chief Statistician North, of the Division of Manufactures of the Twelfth Census, to present, in advance of official publication, the following details of the census covering the manufacture of monuments and tombstones and marble and stone work in certain states for the year 1900:

Illinois.—Monuments and tombstones: establishments, 212; capital, \$1,167,903; average number of wage earners, 619; wages paid, \$335,334; miscellaneous expenses, \$81,864; cost of materials, \$1,122,781; value of product, \$2,062,393. Marble and stone work: establishments, 135; capital, \$3,745,400; average number of wage earners, 2,504; wages paid, \$1,254,122; miscellaneous expenses, \$264,302; cost of materials, \$1,058,410; value of product, \$3,458,284.

Indiana.—Monuments and tombstones: establishments, 182; capital \$532,646; average number of wage earners, 396; wages paid, \$202,193; miscellaneous expenses, \$31,468; cost of materials, \$644,550; value of product, \$1,218,418. Marble and stone work: Establishments, 72, capital, \$1,241,001; average number of wage earners, 1,149; wages paid, \$514,231; miscellaneous expenses, \$85,695; cost of materials, \$408,900; value of product, \$1,442,225.

New Jersey.—Monuments and tombstones: Establishments, 92; capital, \$452,803; average number of wage earners, 223; wages paid, \$139,377; miscellaneous expenses, \$29,481; cost of materials, \$346,273; value of product, \$677,861. Marble and stone work: Establishments, 78; capital, \$2,048,399; average number of wage earners, 1,337; wages paid, \$729,575; miscellaneous expenses, \$191,783; cost of materials, \$819,142; value of product, \$2,203,757.

Massachusetts.—Monuments and tombstones: Establishments, 241; capital, \$2,012,395; average number of wage earners, 1,827; wages paid, \$1,110,547; miscellaneous expenses, \$211,731; cost of materials, \$774,529; value of product, \$2,917,633. Marble and stone work: Establishments, 231; capital, \$5,208,306; average number of wage earners, 3,894; wages paid, \$2,058,115; miscellaneous expenses, \$272,759; cost of materials, \$1,576,697; value of product, \$5,078,098.

New York.—Monuments and tombstones: Establishments, 408; capital, \$2,773,915; average number of wage earners, 1,523; wages paid, \$998,962; miscellaneous expenses, \$201,279; cost of materials, \$1,865,997; value of product, \$4,018,349. Marble and stone work: Establishments,

449; capital, \$9,037,390; average number of wage earners, 6,360; wages paid, \$4,131,267; miscellaneous expenses, \$736,629; cost of materials, \$4,469,228; value of products, \$12,354,313.

Maine.—Monuments and tombstones: Establishments, 102; capital, \$450,845; average number of wage earners, 303; wages paid, \$170,548; miscellaneous expenses, \$110,756; cost of materials, \$238,670; value of product, \$669,993. Marble and stone work: Establishments, 78; capital, \$2,759,910; average number of wage earners, 2,246; wages paid, \$1,090,915; miscellaneous expenses, \$97,237; cost of materials, \$172,409; value of products, \$1,838,040.

New Hampshire.—Monuments and tombstones: Establishments, 90; capital, \$421,749; average number of wage earners, 547; wages paid, \$376,272; miscellaneous expenses, \$46,902; cost of materials, \$249,337; value of products, \$858,391. Marble and stone work: Establishments, 36; capital, \$491,836; average number of wage earners, 511; wages paid, \$253,650; miscellaneous expenses, \$23,508; cost of materials, \$142,037; value of products, \$564,654.

Tennessee.—Monuments and tombstones: Establishments, 59; capital, \$143,931; average number of wage earners, 179; wages paid, \$78,238; miscellaneous expenses, \$12,680; cost of materials, \$141,517; value of products, \$356,276. Marble and stone work: Establishments, 30; capital, \$490,298; average number of wage earners, 558; wages paid, \$181,399; miscellaneous expenses, \$15,269; cost of materials, \$109,531; value of products, \$568,127.

Michigan.—Monuments and tombstones: Establishments, 7; capital, \$51,659; average number of wage earners, 35; wages paid, \$25,096; miscellaneous expenses, \$4,427; cost of materials, \$23,417; value of products, \$75,236. Marble and stone work: Establishments, 15; capital, \$214,375; average number of wage earners, 186; wages paid, \$132,263; miscellaneous expenses, \$37,202; cost of materials, \$203,652; value of products, \$429,467.

Wisconsin.—Monuments and tombstones: Establishments, 105; capital, \$1,139,429; average number of wage earners, 542; wages paid, \$273,126; miscellaneous expenses, \$41,667; cost of materials, \$506,154; value of products, \$1,169,897. Marble and stone work: Establishments, 54; capital, \$947,542; average number of wage earners, 506; wages paid, \$255,104; miscellaneous expenses, \$38,729; cost of materials, \$233,637; value of products, \$754,456.

MONUMENTAL NOTES

A monument was unveiled July 2 on Elk Creek, Grayson county, Va., in memory of Louis Hale, a pioneer of that county. The memorial stands in the cemetery of the old home place of Mr. Hale, and was unveiled by eight of his great great grandchildren.

Colonel Blackwell, who owns much of the town of Blackwell, Oklahoma, unveiled his own monument and read his will after delivering a farewell address. He invited and paid the railway fare of friends from all parts of the territory to come to the Blackwell cemetery to hear his address. Much of his property was given to charity.

A joint committee of Wilde Post No. 25, of Chester, Pa., and of Bradbury Post No. 149, of Media, is considering plans for the soldiers' monument to be erected by the G. A. R. of Delaware County. The monument is to be of Barre granite, 30 feet high, surmounted by a twelve foot statue of a private soldier. It is to cost \$10,000. The plans are to be placed with the County Commissioners who will soon advertise for bids.

Plans and designs have been adopted by the City Council of Springfield, Ohio., for a memorial arch to John and David L. Snyder, the donors of Snyder Park, where the arch is to stand. The structure will be of stone 48 feet high, sixty feet wide, and eighteen feet thick. It will bear medallions and memorial tablets to each of the donors, and is to cost about \$8,000. The plans are by Mrs. Nelson Fitch and architect R. C. Gotwald.

The monument recently unveiled in memory of General W. H. T. Walker at Atlanta, Ga., consists of a novel arrangement of government cannon. A big 32 pound gun, mounted vertically on four blocks of marble, composes the main shaft. An iron fence surrounds the monument, and four smaller guns serve as corner posts. A paved walk, a gift of the city of Atlanta is laid outside the fence. The memorial stands near Fort McPherson on the spot where the General fell, and was unveiled with much ceremony.

The Harrison family monument in Crown Hill Cemetery, Indianapolis, erected while General Harrison was president, has recently been inscribed as follows by his widow:

"Benjamin Harrison, August 20, 1833, March 13, 1901.

Lawyer and Publicist. Colonel 70th Reg. Ind. Vol. War 1861-1865 Brevetted Brigadier General 1865. W. S. Senator, 1881-1887; President, 1889-1893.

Statesman, yet friend to truth, of soul sincere;
In action faithful, and in honor clear."

The monument is of Barre granite, and occupies a commanding site on the slope which gives to Crown Hill its name.

The soldiers' monument, unveiled July 4, on Atkinson Common, Newburyport, Mass., consists of a bronze statue of "The Volunteer," modeled by Mrs. Theo. Ruggles-Kitson, mounted on a rough boulder of native granite from Cape Ann. The statue is a departure from the conventional soldier, and represents a young volunteer in rough field uniform, with musket over his shoulder marching to war. It is original in

conception, and a spirited and vigorous piece of modelling. The boulder, forming the pedestal weighs 22 tons, and attracted much attention on its way to its destination. When moving it to the freight depot at Gloucester it was necessary to pull it across the Riverdale bridge by means of tackles after laying the bridge with timbers to protect it. Fourteen horses were hitched to the dray, and on down grades, several were hitched to the rear to act as a pull-back.

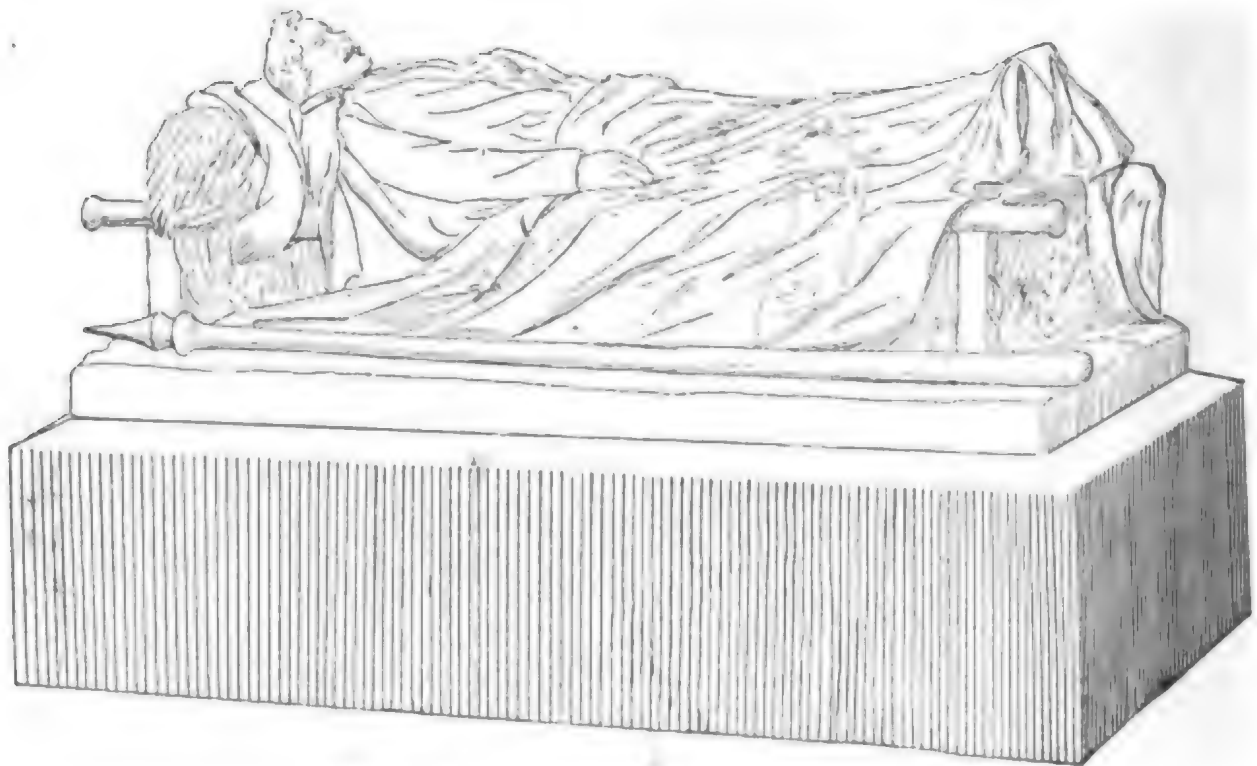


SOLDIERS' MONUMENT, FOREST HILLS CEMETERY, KANSAS CITY.

The accompanying illustration shows the Confederate monument unveiled Memorial Day in Forest Hills Cemetery, Kansas City, Mo., by the Kansas City Daughters of the Confederacy. The shaft is 37 feet 6 inches high, and is made of Barre granite with exception of the cannon balls on the cap, which are of black diamond granite. The statue and the flag on the front of the shaft are of bronze. The base is twelve by eight feet. The memorial was erected by M. H. Rice of Kansas City.

The first monument in the British Empire in honor of the soldiers who fell in the South African war of 1899-1902 was recently unveiled at Halifax. It cost \$10,000, which was raised by The Halifax Herald. The monument was modeled by Hamilton McCarthy, Ottawa, and the bronze statue cast in New York. It represents a Canadian khaki-clad soldier signalling "Enemy in sight." The statue is twelve feet high, standing on a granite pedestal fourteen feet in height. The names of the twenty Nova Scotia soldiers who died in the war—six officers and fourteen private—are cut into the granite. The monument stands in the Province building square. The Imperial troops, the militia and contingents from the warships, distinguished naval officers and a large crowd of people witnessed the unveiling.

The monument recently completed over the grave of Nancy Hanks Lincoln, mother of Abraham Lincoln, at Lincoln City, Ind., will be formally dedicated on Oct. 5. The date has been selected by the Nancy Hanks Memorial Association, under whose auspices the monument was built. The monument is constructed from stone taken from the grave of President Lincoln at Springfield, Ill., when a new tomb was constructed. President Roosevelt will be invited to attend the dedication ceremonies, at which Gov. Durbin and staff and the other state officers will also be present.



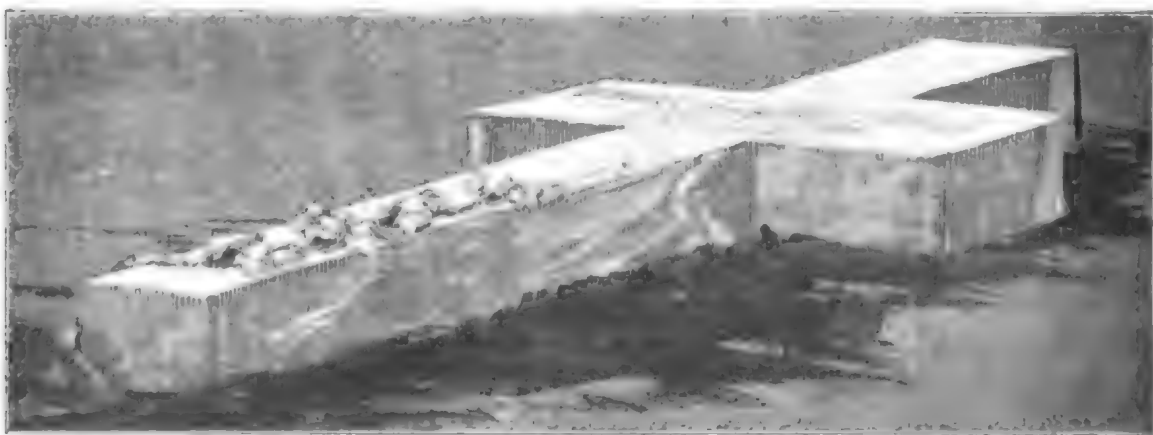
MONUMENT TO ALBERT SIDNEY JOHNSTON, AUSTIN, TEXAS.

Monument to Albert Sidney Johnston.

The accompanying illustration shows the design for the monument to Gen. Albert Sidney Johnston, one of the Texas heroes of the Mexican and Civil War. The Texas Legislature of 1901 appropriated \$10,000 for the monument and the contract was recently awarded to Miss Elizabeth Ney, of Austin, Tex. The memorial shows the form of the General resting in his field dress on a camp litter, covered partly by his mantle, and partly by a confederate war flag, his head resting on a Texas flag, to be executed in Italian marble. The litter rests on a pedestal of red granite, and the entire monument

is to be placed in a covered iron enclosure in the form of a Gothic chapel, through which the work can be viewed, but not touched.

In 1886, the Texas Legislature passed a resolution providing for the removal of General Johnston's remains from New Orleans, where they were then buried, to the State Cemetery at Austin, and the people of New Orleans consented on condition that a monument be erected to his memory. The memorial shown is to be erected in compliance with this promise, and is now in process of construction.



DESIGN FOR A CROSS MONUMENT. HARRISON GRANITE CO., NEW YORK.

CLARIHEW & GRAY,

Quarry Owners and Manufacturers
BARRE, VT.

Western Representative: J. M. BATCHELDER, Dixon, Ill.



A 12 Cut Barre Job sent H. F. Wenrich, Oshkosh, Wis.

We make a Specialty of Fine Axed Work.

LELAND & HALL CO. THE STATUARY PEOPLE

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NEW YORK.

PROPOSED MONUMENTS

Washington, D. C. The following bills making appropriations for the erection of certain monuments were introduced in the late Congress, in addition to those previously reported:

By Senator Scott. A joint resolution providing for the appointment of a commission to report a plan for a memorial in honor of the heroes of the Revolutionary War. The commission is to consist of the President of the Senate, the Speaker of the House, the Secretary of War, and the Chairmen of the Senate and House Committees on the Library, and is authorized to have prepared a proper plan and design for the erection in Washington, D. C., of a monument for the purpose named. The sum of \$10,000 is appropriated by the resolution for this purpose.

The House Committee on the Library has recommended the passage of the bill for the erection of a monument at Cowpens battle ground, Cherokee county, S. C., commemorative of General Daniel Morgan and those who participated in the battle of Cowpens on January 17, 1781.

By Senator McComas. A bill appropriating \$20,000 for the erection of a statue of General Otho Holland Williams, at Williamsport, Md.

By Senator Hanna. A joint resolution appropriating a sufficient sum to enable the joint committee on the Library to purchase from Mrs. Emma Cadwallader-Guild her bronze portrait bust of the late President McKinley.

The bill appropriating \$10,000 to aid in the erection and completion of a statue of the late Commodore J. D. Sloat, U. S. N., at Monterey, Cal., has passed the Senate.

The committee have also recommended the passage of a bill appropriating \$30,000, on condition that a like amount is raised by the Princeton Battle Monument Association, for the erection of a suitable monument to mark the battlefield of Princeton, N. J.

The House Committee on the Library has recommended the passage of the bill making an appropriation for the erection of a monument at Fort Recovery, Ohio.

The following bills were passed in the Senate:

Appropriating \$25,000 for the erection at Fredericksburg, Va., of a monument to the memory of General Hugh Mercer, which sum shall be expended under the direction of the Secretary of War.

Appropriating \$25,000 to enable a commission composed of the Chairmen of the Senate and House Committees on the Library, the Secretary of State, the Secretary of War, Senator G. G. Vest and Representative J. D. Richardson, to secure plans and designs for a monument or memorial to the memory of Abraham Lincoln. This commission is to report the result of their action to Congress as soon as practicable after a decision has been reached.

Appropriating \$500 to enable the Secretary of War to mark the site of the Fort Phil Kearney massacre by erecting on that site a monument of rough masonry and an historical tablet.

Appropriating \$100,000 as a part contribution to the erection of a monument in Fort Green Park, N. Y., to certain revolutionary soldiers. This appropriation will not be available until there has been raised, by private subscription and by public appropriation by the State of New York and municipality of New York, sums aggregating \$100,000. Said moneys will not be paid for the erection of a monument plans for which shall not have been approved by the Secretary of War, the Governor

of New York and the Mayor of New York City, under whose joint supervision said moneys shall be expended.

A joint resolution granting permission to the Grand Army of the Republic to erect a statue to the memory of General B. F. Stephenson, founder of the Order, in Washington, D. C. The site is to be selected by the Secretary of War, the Joint Committee on the Library, the Superintendent of Public Buildings and Grounds, and the committee of the G. A. R. appointed for that purpose. The provision is made that the statue, with pedestal, is to cost not less than \$15,000, and is to be presented to the people of the United States by the G. A. R.

A joint resolution granting permission to the Shipp Monumental Committee, of North Carolina, to erect a monument in honor of the late William E. Shipp, near the U. S. Mint in Charlotte, N. C., said monument to be located under the supervision of the Secretary of the Treasury and the Chairman of the Monumental Committee.

Medfield, Mass. The town has voted a site in Lake View Cemetery for a monument to soldiers and sailors of the civil war. The local branch of the Woman's Relief Corps has charge of the collection of the funds.

Chesterfield, Va. Confederate veterans of this place are taking steps to erect a monument to the Confederate dead. The last legislature passed an act empowering the board of supervisors to collect money for the monument, and the county court will give the site.

Milwaukee, Wis. The National Soldiers' Home of this city is raising funds for the erection of a monument to be placed in the cemetery of that institution, where many of their comrades are interred. The monument is to be fifty feet high and will cost about \$2,000, of which all but \$400 has been raised.

Chicago, Ill. The Scottish Caledonian Society, a sub-committee of the Burns Monument Committee, organized ten years ago, has again started the movement for the erection of a monument to Robert Burns. The association has about \$2,700 in cash and subscriptions, and will raise funds by means of picnics and other entertainments.

Charlotte, N. C. The Vance Memorial Association is at the head of a well organized movement to erect a monument to the late Governor and United States Senator, Z. B. Vance. A fund has already been started and a vigorous canvass is to be continued until \$4,000 or \$5,000 has been raised. Mrs. R. L. Gibbon is secretary of the association.

Newport, R. I. The City Council has granted permission to a number of patriotic societies to erect a monument to Admiral De Ternay on the esplanade on the southern shore of Newport harbor. The monument is expected to be ready for dedication in July, 1903. De Ternay had command of the French fleet which brought over the French forces to assist in the Revolution, and the monument will be located near where the troops landed.

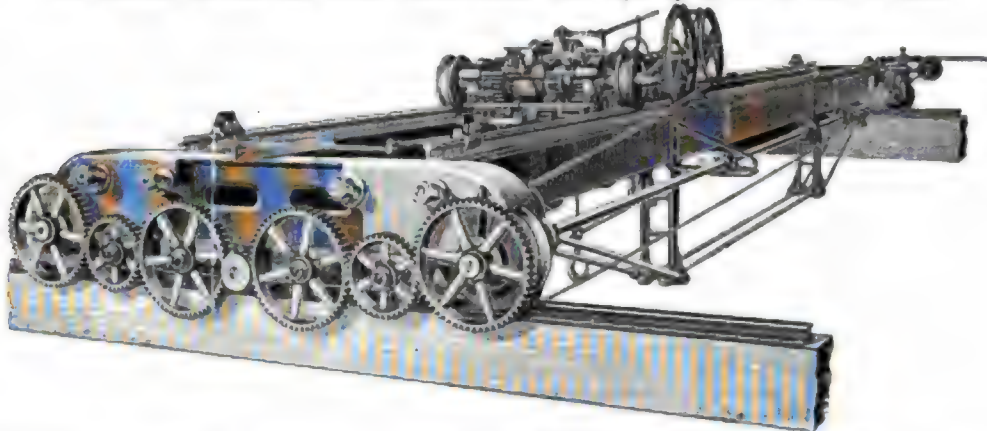
Springfield, Mass. The McKinley Memorial Commission has petitioned the City Council for permission to erect a monument to the late President McKinley in front of the Central High School building. The plan is to erect a bronze statue, surmounting a pedestal, in front of which kneels an allegorical figure of Fame. The whole is to be set on a circular granite base twenty feet in diameter. Elisha Morgan is chairman of the commission.

Victoria, B. C. Citizens of this city are to erect a memorial to soldiers who fell in South Africa. It will be known as the "Paardeberg Gate" Memorial, and will be a handsome ornamental stone facade on the shore line of the harbor along Belleville street, in front of the grounds of the Parliament buildings. It is to stand at the head of a flight of steps leading from the water's edge, and the plans include a general scheme of ornamentation for the place.



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THE MONUMENTAL NEWS



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Recent Inventions for the Trade.

AN IMPROVED HOIST.

The form of hoist illustrated in the drawings consists of a frame containing a chamber in which is located a coupling head. A lever is pivotally connected with the frame and coupling head, and a hub carries a sliding collar operatively connected with a downward-extending yoke. Pulleys mounted on the shaft, an elevating pulley-block, and an endless chain, are the other essential parts. Figure 1 is a perspective view, showing the different parts properly assembled. Fig. 2 is a side elevation of the hoist-head, showing an edge view of the pulleys. Fig. 3 is a vertical section of the hoist-head and its different parts on a line with the pulley-axis. In the accompanying drawings, 1 represents the hoist-block or head, the upper end of which is yoke-shaped and the lower end provided with chain-guides, 2. To the head or frame 1 is connected the pulley-shaft 3, and upon it are mounted the pulleys 4 and 5 located side by side, as illustrated in figs. 1, 2, and 3. The pulley 4 is somewhat larger in diameter than the pulley 5, for the purpose of imparting a differentiated movement to the different members of the endless chain 6, two of which are located beneath pulley 7, and the rest above pulleys 4 and 5. By forming the pulleys 4 and 5 of different diameters and moving the elevating-chain over them in the direction to elevate the hoist head or block 8 a slow upward movement will be imparted to the head 8 and the load connected, thereby providing a means for easily elevating by hand heavy articles. By the peculiar arrangement of this device it is possible to lower the elevating-head after it has been carried to the desired height without locking the elevating-chain backward.

(Patent No. 690,774, by David E. Rowland, Canton, O.)

A ROCK-DRILL.

The present invention relates generally to means for drilling rocks, and more particularly to an electric percussion rock-drill. The object is to provide a superior substitute for the ordinary air-drill, but adapted to be operated by electric power with equal flexibility of action and efficient results. Compactness is obtained by enclosing both the motor and all the mechanism except the end of the drilling-tool, in a shell formed in two parts clamped together. The exterior view resembles an ordinary air-rock drill and is mounted in substantially the same manner upon a standard. All drills are apt to stick in a crevice during operation; in this one the inventor has provided for the automatic release

of the drill by a shortening of the stroke without injury to the mechanism. The motor is geared, through an idle wheel, to a shaft which compresses a spring repeatedly and rapidly and automatically releases the spring to do the actual work of drilling, thereby throwing a substantially constant load upon the motor. To permit this action there is a kind of compound clutch which will release the drill intermittently, as the case requires. Figure 1 is a central sectional elevation of the complete device. Fig. 2 is a central sectional plan. Fig. 3 is a cross-section at the line A B in fig. 2. Figure 4 is a perspective view of the drill mounted upon a standard, ready for operation. The motor is represented at 1 and is provided on its shaft 2 with a driving pinion, 4, which gears with an idle wheel, 5, which in turn gears with a wheel, 6, loose on the shaft, 7. The wheel 6 is, however, adapted to be locked to a disk, 8, in the following manner. There are wedge-shaped or beveled keys, 9, passing through the disk and projecting into tapered holes, 10, and these keys are pressed therein by springs, 11, which are carried on the disk. Upon turning the armature of the motor by an electric current the shaft, 2, rotates and by means of gearing, 2 and 5, constantly rotates the wheel, 6. The keys are forced into the holes 9, in the wheel 6, thereby locking the disk 8, to the wheel 6, and the two rotate together. In view of the roller-clutch, 13, the shaft, 7, and crank, 12, also rotate and draw inward the plunger, 19, a full stroke, at the same time forcibly pressing the spring, 23. This spring, 23, maintains the shaft, 7, clatched to the disk, 8, until the plunger, 19, has only just passed the center for the return stroke.

(Patent No. 690,687, by A. M. Hallow, Denver, Colo.)

LIFTING JACK.

Figure 1 is a perspective view of the improved lifting-jack. Fig. 2 is a central longitudinal sectional view through the jack, parts being shown in side elevation. A designates the base of the standard, the latter comprising two upright planks, B, with a slight space intervening, in which space the longitudinally-movable bar, C, and the handle, D, operate. This bar, C, has a longitudinal slot therein, which extends substantially the length of the bar, and the upper end of the bar is stepped, as shown, forming a rest for the object which is to be raised by the jack. Said operating lever, D, is bifurcated, as shown, and

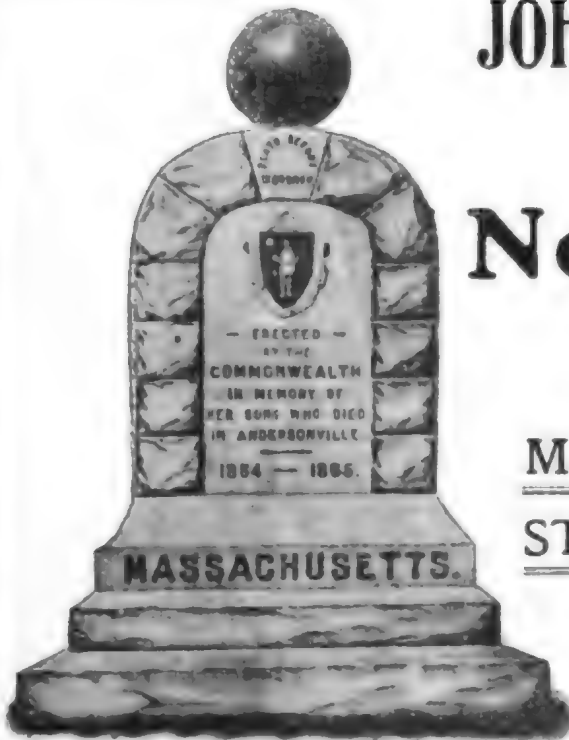
at its solid end is provided with a handle, while its other end is curved and is provided with registering apertures, *d*, in which a pin, *d*, is mounted. In apertures, *e*, in the standard are journaled the pins, *e*, secured to the opposite faces of the lever, D, the pins being provided as fulcrums for the lever. In operation, in order to guide the bar, C, in its longitudinal movements, pins, K, are passed through the walls of the standard and contact with the marginal wall of the slot and one of its outer edges. The height at which it is desired to adjust the lifting-bar is regulated by placing the pin, *f*, at the end of the link, F, in any one of the several notches, C, and the pin is held in a particular notch by means of the cam-lever, which frictionally bears against the longitudinal edge of the bar opposite the notches engaged by the pin, and by operating the lever, D, the link will cause the bar, C, to be raised and lowered.

(Patent No. 690,128, by Charles E. Archibald, Girard, Pa.)



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CORRESPONDENCE

RIVERSDALE GRANITE.

A correspondent wishes to know where he can get Riversdale granite. Will some one give the information?

REMOVING STAIN FROM STONE CURBING.

Dealer says he set some Indiana stone curbing on a foundation of stone and cement while the latter was "green" and it has discolored the curb. Wants a remedy. We know of none. The stone has been stained by absorption. It would be almost impossible to eradicate the discoloration. Great care should be taken when setting work to avoid the trouble.

PROTECTION FOR RETAILERS.

An Illinois dealer suggests that manufacturers discontinue lettering work at the quarries and thus encourage and protect legitimate dealers from irresponsible and impracticable competitors. He argues that a protected retailer will pay the manufacturer more for his work.

EXTREMES MEET OUT WEST.

A Kansas dealer writes: "I have no faith in the Barre Exchange and do not think it would be of any benefit to the trade." From the neighboring State of Nebraska comes the following: "We consider the Manufacturers' Exchange the best thing for the monumental trade that has ever happened. It will have a tendency to put us all on a more equal footing and do away with ruinous competition."

DAMAGES FOR LOST MONUMENT.

H. & S. have had a monument on the road between Quincy, Mass., and Iowa for eight weeks. The railroads are unable to locate it, and the dealers desire to know whether the railroads are responsible for more than the released valuation of 40 cents per cubic foot. Has any one had a similar experience and made a satisfactory settlement with the roads? The MONUMENTAL NEWS inclines to the belief that railroads can be held responsible for the invoice valuation of any monuments lost in transit.

IS THERE A NEW MONTELLO GRANITE?

A subscriber wants to know whether there is a granite on the market that resembles the Montello, Wis., granite, and if so where it can be bought?

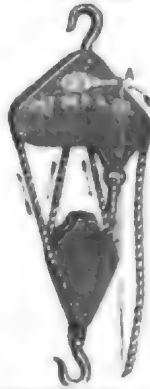
ILLUSTRATIONS.

Plates in Photogravure Edition.

(Formerly The International Edition).

- NO. 637. DESIGN FOR VAULT, BY L. ORSINI, CHICAGO.
- NO. 638. DESIGN FOR SARCOPHAGUS MONUMENT, "Crouse," by E. Sargent Sampson. Sizes: B. Base, 5-8 X 3-8 X 1-2; Base, 4-8 X 2-8 X 1-0; Die, 4-0 X 2-0 X 2-0; Cap, 4-3 X 3-3 X 1-6.
- NO. 639. DESIGN FOR MONUMENT, "RHODES" SIZES: Base, 6-0 X 3-6 X 1-6; Die, 4-10 X 2-4 X 4-0; Height, 5-6.
- NO. 640. DESIGN FOR A SMALL FOUNTAIN, BY WILLIAM DUFF, BARRE, VT. Sizes: Hexagonal pedestal, 3-0 X 2-8 X 2-4; Basin, 3-4 X 3-4 X 1-4; Center Piece, 1-0 X 1-0 X 1-4; Diameter of Ball, 0-9; Total Height, 4-9.
- NO. 641. DESIGN FOR MONUMENT, "DAVIES," BY JAMES F. PRICE, INDIANAPOLIS. Sizes: Base, 4-2 X 2-11 X 1-3; Base, 3-2 X 1-11 X 1-0; Die, 2-9 X 1-6 X 2-11; Die, 2-11 X 1-6 X 1-10.

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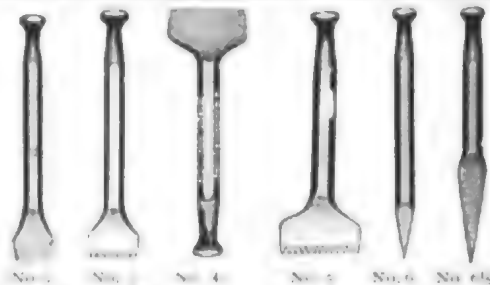
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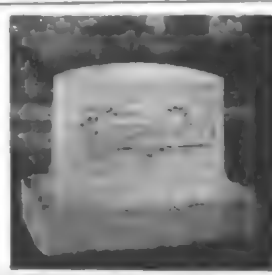
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Notes of Retail Dealers.

A. B. Sode, Evansville, Ind., Miller & Dye, Danville, Ill., Henry McNeely and G. D. Auringer, Marshalltown, Ia., P. H. McCue, Chicago, F. C. Hollearn, Cincinnati, Ohio, and H. C. Moody, Cedar Rapids, Ia., were callers at the office of THE MONUMENTAL NEWS last month.



ROTHWELL MONUMENT, ERECTED BY JNO. B. SULLIVAN & SON, TAUNTON, MASS.

ALABAMA.

The Curbow-Clapp Marble Co., Montgomery, have had a very satisfactory business since the first of the year. Among their recent contracts is one for a combination oolitic stone vault with marble entrance. They do a large business in vault slabs for covering brick vaults and in marble monumental work. During the past spring they erected two spire monuments of Barre granite, one of which is illustrated on the following page. The monuments are quite similar in design and dimensions, the spire of one being plain and the other draped. The principal dimensions of the monuments are: Bottom base, 6-4x6-4x2-4; die, 3 0x3 0x4-8; spire, 2 0x2-0x16 4; total height, 32-0.

D. J. McDonald succeeds D. J. McDonald & Co. at Mobile.

CALIFORNIA

Stone Bros., of Riverside, have purchased a corner lot and will move their marble works to the new location.

CANADA.

J. H. Hamilton, of Guelph, recently presented to the Paisley Street Methodist Church a handsome marble baptismal font.

CONNECTICUT.

Maxwell Brothers, of New Haven, have been awarded the contract for the erection of the monument to the Ninth Regiment Connecticut Volunteers at Sea View Park, Bridgeport. It will be of Barre granite, eighteen feet high, and will weigh thirty-two and a half tons. Surmounting the shaft will be the figure of a soldier six feet four inches high, standing at parade rest.

The Fox-Becker Granite Co., of Middletown, operate a cutting plant at Barre, Vt.

George N. Fahy succeeds Mrs. Michael Fahy.

GEORGIA.

Bertoni & Bros., The Elberton Granite Works, at Elberton, have a number of important contracts on hand, among which are the Harris monument, twenty-five feet high, and the Swift monument, both to be erected in Atlanta.

ILLINOIS.

Miller & Dye are a new firm, at 22 Vermillion street, Danville.

A. C. Best, of Princeton, has the contract for a monument to be erected on the family lot of James H. Eckles, a prominent Chicago business man, in Oakland Cemetery, Princeton. The monument will be of light blue Westerly granite, hammered, and carved with attractive designs.

Cullison & Ransom, of Hoopston, have dissolved partnership by mutual consent. John Cullison will continue the business.

J. K. Moore, a pioneer dealer at Bloomington, died in May.

MASSACHUSETTS.

The illustrations on this page show a partial view of the plant of John B. Sullivan & Son, at Taunton, and the "Rothwell" monument, a specimen of their recent work, one of a number illustrated in their catalogue. The buildings are arranged in the form of a hollow square, with one side open on the street, and the view shows only a small part of the yards, but gives some idea of the stock on hand. The firm also have a branch yard at Taunten, and are doing a good business this year.

A recent issue of the *Taunton Herald-News*, of Taunton, devotes a column to a history and writeup of the granite business of J. F. Reagan, of that city. Mr. Reagan began business



PARTIAL VIEW OF PLANT OF JNO. B. SULLIVAN & SON, TAUNTON, MASS.

in 1895, and is spoken of by the local paper in flattering terms. He is doing a successful and growing business.

(Continued on page 490.)

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ESTIMATES CHEERFULLY FURNISHED.

(Notes of Retail Dealers —Continued.)

IOWA.

H. C. Moody, of Cedar Rapids, was in Chicago during the month, en route to Granite Heights, Wis. He makes a good report of trade conditions.

Morgan & Hidinger succeed Steel & Morgan, at West Union.

Twombly & Anderson, The Capitol Hill Granite and Marble Works, at Des Moines, have added to their monumental stock a line of mantels, grates, tiling, etc. They have issued a neat advertising folder containing an invitation to the public, testimonials, and a partial list of monuments sold for 1902 delivery.

Miller Bros., of Keokuk, have moved into a new building, where they have better facilities for work, and have a large stock of orders on hand.

H. W. Stratmeyer & Co., of Carroll, have bought a lot and will erect new buildings in the near future.

G. D. Auringer, for many years connected with McNeely Brothers, at Marshalltown, intends removing to Neligh, Neb., where he will embark in the retail monument business. Mr. Auringer was in Chicago last month buying stock for his new establishment.

B. F. Froggatt has recently started in business at Knoxville.

INDIANA.

H. L. Foust has purchased a half interest in the monument and marble business of C. D. Billman at Logansport.

KANSAS.

David O. Sellers, of Paola, has recently moved into a new building, which was completed this year. It is ninety-eight by forty feet and three stories high, the two upper floors being rented for office purposes. It is built of sandstone and brick and cost \$18,000.

Albert Graham, of Peabody, has sold his business to Harley Moon, of McPherson.

KENTUCKY.

J. T. Hamilton, of the Madison Monumental Works at Richmond, has sold his business to Golden & Flora, of the same place.

MARYLAND.

William A. Gault & Son, 9 E. Lexington street, Baltimore, send information concerning a man who represented himself as J. D. Standish, of the firm of Hammond, Standish & Co., of Detroit, who is wanted in Baltimore for forgery and false pretenses. He passed a check on the above firm for \$100 by representing that he was purchasing a monument, and the police have information that he has passed bogus checks in other cities. He is described as: "Age, about 60; height, about 5 feet 7 in.; weight, 170 pounds, gray moustache, dark complexion, dark clothes, black derby hat; very neat; pleasant manners; has a habit of licking his lips with his tongue when talking."

Young & Wicks have opened a shop at Pocomoke City.

MICHIGAN.

Manly Frank and Jay Campbell have formed a copartnership under the firm name of The Frank & Campbell Co., to do a general marble, monumental and granite business at Reading.

R. C. Davies, formerly of Davies & Adams, has bought a half interest in the marble and granite business of F. F. Murdock, at St. Johns. The firm name is now Murdock & Davies.

Wattles & Co. have removed from Detroit to Ann Arbor.

A. Black & Sons, of Grand Rapids, have let the contract for a new and modern building for their plant, to cost over \$10,000. It will be of Owosso red brick, 50 by 120 feet, and two stories high, and will be equipped with modern machinery.

Mr. Frank Black has been at the New England quarries during the past month.

(Continued on page 492.)



BARRE GRANITE MONUMENT, ERECTED BY CURBOW-CLAPP MARBLE CO., MONTGOMERY, ALA.

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Stone Tools, Surfacing
Machines, Air Hoists,
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Finished Monumental work and Rough Stock wholesale. Certificate of award at the Centennial Exposition of 1876 on Millstone Granite, for the good color of the stone, its fine close grain, and good polish, and the marked contrast between the polished and dressed surfaces: a character which gives unusual distinctness in ornamentation and makes it especially adapted to fine cemetery work.

Telegraph and Telephone, NEW LONDON, CONN.

MINNESOTA.

J. M. Sullivan, of Minneapolis, was recently in Freeport, Ill., to arrange for beginning the work on the Caldwell mausoleum, which is to be erected in the city cemetery at that place, at a cost of \$5,000.

MISSISSIPPI.

M. J. McGrath, of the Dixie Marble Co., at Hattiesburg, recently executed a monument of rustic design for the Woodmen of the World. It showed a knarled tree trunk, with carved designs representing lilies and ivy, and the official emblems of the Woodmen.

MISSOURI.

A. Cramer has opened a new shop at Pierce City.

The Forrester Bros. Stone Co., of Kansas City, has been incorporated by C. B. and J. M. Forrester and John D. Aud; capital, \$5,000.

The Abercrombie Stone Co., of St. Joseph, has been awarded the contract for the monument to Senator Thomas H. Benton to be erected in Bellefontaine Cemetery, St. Louis. The memorial will be a polished shaft of Missouri granite, twenty-five feet high, mounted on a base six feet square. The last legislature appropriated \$1,300 for the work.

Mount & Baker, of Memphis, have dissolved partnership, Carl S. Baker continuing the business.

MONTANA.

George Pringle, of Missoula, has taken new quarters, where he has better accommodations for his growing trade.

NEBRASKA.

J. S. Barwick, of Lincoln, erected the soldiers' monument recently unveiled in Wynka Cemetery in that city by Farragut Post, No. 25, G. A. R., of which Mr. Barwick is a member. The monument is twelve feet high and consists of a pedestal of Bedford stone surmounted by the figure of a soldier at parade rest, of the same material.

NEW HAMPSHIRE.

Kavanagh Bros., 170 Columbus avenue, Boston, Mass., have opened a branch at Manchester, which will be in charge of D. W. Cummings.

NEW YORK.

The Flint Granite Co., of Albany, are erecting a new building at their Chester plant, 65x100 feet, which will double their present capacity. The addition will be north of the old shop and will contain a traveling derrick, an improved compressed air outfit and other modern machinery. The company now employs in its shops and quarries at Chester, Mass., about one hundred and fifteen men.

Thomas S. Smith will locate a branch at Fultonville.

OHIO.

Charles Ladewig, formerly located at corner John and Laurel street, Cincinnati, has removed to 603 N. Court street, Circleville, Ohio.

Joseph Carabelli, of Cleveland, has the contract for the pedestal of the monument to the Hungarian patriot, Kossuth, to be erected by the united Hungarian societies of that city.

Among the recent contracts of B. M. Wolff & Co., of Mansfield, is one for a massive, all-polished sarcophagus, for Colonel B. F. Crawford of Chicago, president of the National Biscuit Company, to be erected on the family lot in the cemetery at Dayton.

The Charles Wege Marble and Tile Co., of Columbus, has been incorporated to make and deal in all kinds of marble and tile. The capital stock is \$25,000, and the incorporators are: Charles and G. C. Wege, P. P. Hoffman, J. W. Coulson and William Bott.

The Binz Monumental Works, of Cleveland, are erecting in the cemetery at Chardon a family vault for the estate of Geo. Markell. It will contain nine catacombs, and is to be finished in Tennessee marble.

OREGON.

Otto Schuman, of Portland, has the contract for the soldiers' monument to be erected at Riverview Cemetery by the Oregon veterans of the Spanish war. It will consist of a granite pedestal surmounted by the bronze figure of a soldier dressed in field uniform in the act of loading his gun on the firing line. The height of the entire work will be seventeen feet, the figure being six feet four inches high.

PENNSYLVANIA.

The Reinhalter Memorial Co. succeeds Jos. B. Reinhalter & Co. at Pittsburgh.

WEST VIRGINIA.

J. F. Burley & Co., of Wheeling, have been awarded the contract for an elaborate mausoleum to be erected in Greenwood Cemetery, for Bloch Bros., of that city. The design is in Doric style, and will be constructed of Barre granite, with interior finish of Italian marble. Among other contracts now held by the firm are two for fine hammered and carved sarcophagi.

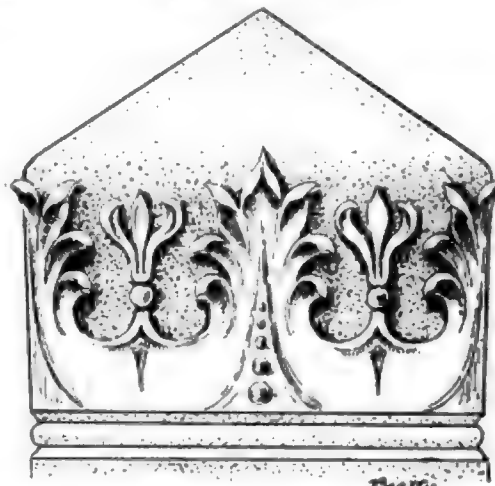
WISCONSIN.

H. F. Wenrich, of Oshkosh, will erect a new building forty by sixty feet, and two stories high, and will use it in addition to his present shop. The first floor will be used as a display and salesroom, and the second as a hall for lodges, public meetings, etc. The front will be of Portage Entry sandstone, and the building will cost about \$8,000.

James T. Empey, of Algoma, has opened a branch at Sturgeon, with A. Berthelman in charge.

George De Mars, of Chippewa Falls, is erecting a new building for his marble business. It will be 22 by 32 feet and two stories high.

The Jos. Shaver Granite and Marble Co., of Milwaukee, have the contract for the erection of the soldiers' monument at the National Soldiers' Home in that city. It will be of New Hampshire granite, 50 feet high, and will consist of a shaft surmounted by the bronze figure of a soldier at parade rest. The shaft proper is 28 feet high and the base is 12 feet square. The monument will be ornamented with designs of crossed sabers and flags, and two bronze cannon, four cannon balls and an anchor will be placed at the base. The memorial will cost \$2,500, which was raised by the Soldiers' and Sailors' Monument Association.



SUGGESTION FOR CARVING, BY HERBERT W. BEATTIE, QUINCY, MASS.

Maguire & O'Heron, QUINCY GRANITE

Works, One Mile from Quincy Quarries.

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and Water Power Finishing Works,
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Marble and Granite Plant For Sale.

I wish to call the attention of Marble and Granite men to a plant in a live Eastern city, within two hours ride from New York or Philadelphia, Pa., having several railroads and also canal transportation and which is exceptionally well located for doing a very large business, both wholesale and retail. Being within easy reach of many large cities it would be a good location for the sawing and finishing of interior marble work as well also as doing a very large monumental business in Granite and Marble.

The plot of ground is about 300x150 feet, running through from street to river and fronting 150 feet on each and has a railroad siding, and also facilities for unloading and loading boats. The mill contains boilers, 30 H. P. engine, 3 large gangs, 3 rip saws, Hawley sand feed, rubbing bed, 3 polishing machines and a power hoist to run a derrick of 20 tons capacity. The mill and cutting shed is heated with exhaust steam. In addition to the above the property includes derricks, office building, barn, horse, wagons, tools, etc. There is also a stock of granite and Marble on hand. The plant is in complete running order. A favorable proposition to lease will be entertained.

If any party or parties wish to investigate this matter, and will write me, I will place them in communication with the owners of the plant.
D. J. WHITNEY, Gouverneur, N. Y.

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Twisted rail and circle on circle drawings enlarged to work from. Quick Methods; Smallest Stone. Send sketch or drawing figured. Prices reasonable.

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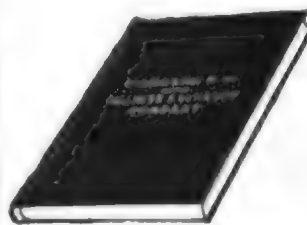


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The quarries contain an almost inexhaustible quantity of marble of a variety of colors, suitable for monumental, interior and exterior construction. Government tests and expert opinion show superior quality. The property is in the Big Horn Mountains with good shipping facilities over a branch line of railroad to the quarry.

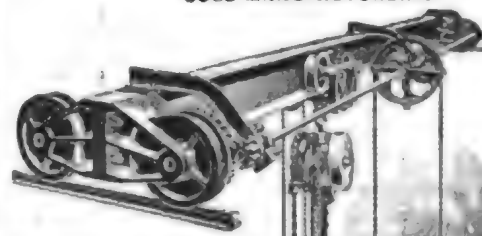
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Prospectus and further particulars will be sent on application to

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Send for Catalogue and Compare Prices.

At the QUARRIES

BARRE, VT.

(From Our Regular Correspondent.)

Business conditions and prospects have continued about the same during the past month. Orders have come in somewhat more freely, and better prices have ruled. The Union reports a larger number of cutters on its rolls than ever before, and all at work who want work. At nearly every shed the report has been, "we have all the work that we can do."

A new enterprise has been inaugurated, which, if successful, will prove of great advantage to the quarriers especially, and incidentally to all branches of the business. One of the most perplexing problems that constantly confronts the quarrier is the disposition of his grout. It takes up more room than his quarry, and the pile is constantly increasing in every dimension. A good deal is hauled away for foundations and filling, but its proportion to the total product is so small, as to be scarcely noticeable. During the past month the Barre Granite and Paving Co., was incorporated under the laws of Vermont with a capital stock of \$50,000. Its object is to utilize all granite not used for monumental purposes in all classes of building and street work, the incorporators our James Grant, H. K. Bush, and H. William Scott of Barre, S. D. Graves of Boston, and A. S. Pennock of Braintree, Mass. The new company has received contracts with the quarry owners for their stock, and what is more important, some good orders for their product, which they will proceed at once to fill. They hope to have 500 paving cutters at work as soon as they can be obtained. The increasing demand for paving blocks has led to the formation of this company, and will enable them to do a large business. There is plenty of first class stock here, and the company can get all it wants at nominal rates.

As noted heretofore the monument to mark the grave of Nancy Hanks, the mother of Abraham Lincoln, was cut by Innes & Cruickshank. It is to be set up at Lincoln City, Ind., and will be formally dedicated October 5th. It will stand upon stone taken from the grave of President Lincoln at Springfield, Ill.

The Garrett A. Hobart Mausoleum at Cedar Lawn Cemetery, Paterson, N. J., cut here by Wells & Lamson, has finally been completed, and is one of the largest and finest ever sent from Barre. It is in the form of a Doric temple, without ornamentation, but of an imposing appearance of solidity and grace. Its dimensions are 26 feet wide 44 feet deep, including front and rear porticos and 22 ft. 7 in. high. The walls are 2 ft. 5 in. thick, and the entire structure is lined with marble. The crown stone weighed 43 tons, and 22 teams of horses were unable to haul it to the cemetery, and it had to complete the journey on skids, after the best streets in Paterson had been made impassable by the enormous weight. Our main street is constantly traversed by loads nearly as heavy, and it is no wonder

that its condition is anything but good. No street in the country, it is safe to say, has to bear such heavy loads as go over it every day.

The granite exchange reports a constantly increasing value of business. In two days of the week July 13-20 orders for \$18,000 worth of work were accepted, all being for small and medium sized monuments.

The good news has been received here that, owing to the persistent agitation of the New England granite and marble dealers, freight rates west of Chicago have been reduced practically one third. This will stimulate the demand for New England granites among western dealers who have been forced to substitute marble and other material obtainable nearer home because of the excessive freight rates.

There is already an offset to these reduced freight rates. Heretofore both the Central Vermont and the Montpelier and Wells River Railroads have been in the habit of loading granite shipments of less than 5000 lbs. without charge, and for larger shipments, setting cars on sidings at stone sheds, also without charge. They have just issued a circular to the effect that after August 1st. the smaller shipments must be loaded at the expense of the shipper, and a charge of 20 cents per ton, maximum \$1.00 will be made for putting cars on sidings for larger shipments. The Central Vermont will no longer make any allowance for the cartage of rough stock to sheds on its lines. Just how much extra this is going to cost, time will tell; but every manufacturer will find it a large additional expense. Some interpret this sudden harmony as foreshadowing the consolidation of both roads.

QUINCY, MASS.

(From Our Regular Correspondent.)

Aside from the fact that the business is good, but little of importance has transpired during the month passed in the city's staple industry. Every manufacturer has his share of orders and the general condition of trade is slightly above the normal. Nor is there indication of this healthy condition of business falling off for the amount of work being figured upon gives promise that Quincy will get more than its proportionate share of same.

Harry Nicoll, president of the local manufacturers' association is the recipient of much sympathy over the loss of a 19 year old son, who died on Sunday, July 20th.

The Granite Railway Co., has made many costly improvements on its plant in West Quincy. The new engine house, upon which no expense was spared, is almost ready for occupancy.

William T. Spargo is building a fountain for Cleveland parties. The affair will be erected in one of the public squares of the Forest City, and will be constructed entire of medium Quincy granite.

Local manufacturers rejoice over the reduction of freight rates west of Chicago, and are lavish in their praise of Hon Russell A. Sears of this city who championed their cause at the meeting of the Western Classification Committee last month.

M. C. Connelly of Adrian, Mich., visited here the

(Continued on page 496.)

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We make only HIGH GRADE
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"Watch this space next issue."

In the meantime send us your orders.

We can please you.

Brandon Italian Marble Co.

MIDDLEBURY, VT.

AT THE QUARRIES.—(Continued.)

first of the month. Mr. Connelly is interested in the granite business and formerly resided in this city. He was one of the original organizers of the Merry Mount Granite Co., and his many friends bade him hearty welcome here after an absence of twenty years.

Swingle & Falconer who recently purchased the Elcock quarry at West Quincy celebrated on the afternoon of July 3rd. A large twelve-foot flag was raised from their new derrick, where it can be seen for miles around, and many of the quarries saluted it with blasts from their whistles. After the flag raising, refreshments were served, and a series of out-door sports had been planned, but a severe storm prevented carrying out all of a very enjoyable program.

Joseph Carabelli Cleveland, Ohio, Temple Bros. Shelburne Falls, Mass., E. V. Storer, Chicago, Ill were a few of the many out of town dealers to visit the trade during the past month.

Following are the shipments of granite in pounds from the various depots during the month of June. West Quincy 4,540,420; Quincy Granite Quarries Co., via the Granite Railway 2,183,130; Quincy Adams 4,526,205. Total 11,249,755 pounds.

QUARRY NOTES.

Quarrymen employed by the Booth Brothers & Hurricane Island Granite Company, at Waldoboro, Me., struck for an eight hour day with nine hours' pay, which was granted and work was resumed the following day.

After a strike of two weeks' duration the St. Cloud Granite Producers' Association, St. Cloud, Minn., granted the demands of the granite cutters for \$3.25 per day for eight hours.

Norcross Bros. are enlarging their marble mill at Manchester depot. The traveling crane will be extended and the present capacity of eight gangs more than doubled.

The Standard Granite Co., at Hall's Quarry, Mount Desert,

Me., has announced that it is unable to meet its obligations and is preparing a statement of its financial affairs for a settlement with creditors. The company has been employing about 500 men and has filled a number of large contracts.

The Brandon Italian Marble Co., of Middlebury, Vt., has bought the marble property formerly owned and operated by Williams & Fields, Brandon, Vt.

The Commissioner of Industrial and Labor Statistics in Maine is making a special investigation of the granite industry of that State. There are said to be 140 quarries in the State, some of them employing several hundred men.

Officials of the Rock Island route are enthusiastic over the prospects of the red granite quarries on the line of that road in Oklahoma. The granite is said to resemble the famous red Peterhead of Scotland, and to be of a superior quality.

An English syndicate is reported to have obtained control of the marble deposits recently discovered near Bowie, Arizona, on the property of L. R. Legier. The main ledge, said to contain a fine quality of both white and black marble, is 1,000 feet wide and lies at the foothills of the Chiricahua mountains. The Southern Pacific Railroad is preparing to build a branch line to the property.

The Berkshire Marble and Construction Company has been incorporated under the laws of Maine, with a capital stock of \$100,000, and has acquired valuable property rights in Zylonite, where there is said to be a large deposit of white marble of unusual purity. The officers are: Thos. J. Brosnan, New York, president; J. M. Malone, of East Longmeadow, Mass., vice president; Richard J. Morrissey, Westfield, Mass., treasurer.

John Pierce has been awarded the contract for the granite work on the new city hall to be built at Newark, N. J. The material will be Maine granite, and the contract is valued at \$2,000,000. Mr. Pierce estimates that the work will give employment to 600 stone cutters, and he has other large contracts on hand that will require 2,000 quarrymen for two years. Seventy-nine samples of building stone were submitted by the competing contractors. The work will include twelve polished columns, which advance reports say are to be the largest in the world.

The Nation's Graves.

Washington's tomb is a brick vault at Mount Vernon.

John Adams and his son, John Quincy Adams, lie buried in a granite vault beneath the Unitarian Church, Quincy, Mass.

Thomas Jefferson lies under an obelisk in a little graveyard on the road from Charlottesville, Va., to Monticello.

James Madison rests on the old Madison estate, near Montpelier, Hanover County, Va.

James Monroe's body lies beneath a huge block of polished Virginia marble in Hollywood Cemetery, Richmond, Va.

Andrew Jackson reposes under a massive granite monument amid a grove of magnolias in a corner of the Hermitage, near Nashville, Tenn.

Martin Van Buren is buried in the family lot in the village cemetery at Kinderhook, N. Y.

William Henry Harrison sleeps at his

home at North Bend, on the Ohio River, an unfenced mound over the family vault marking his grave.

John Tyler's vine-covered grave lies within a few feet of Monroe's, in Hollywood Cemetery, Richmond.

James K. Polk is buried in the private garden of the family homestead at Nashville, Tenn., a limestone monument with Doric columns marking his resting place.

Zachary Taylor's ashes were interred at Cave Hill Cemetery, Louisville, Ky., and subsequently removed to Frankfort.

Millard Fillmore's grave in Forest Lawn Cemetery is surrounded by a stately shaft of Scotch granite.

Franklin Pierce sleeps under a marble monument in the cemetery at Concord, N. H.

James Buchanan is buried at Woodward Hill Cemetery, Lancaster, Pa., a simple block of Italian marble forming the headstone.

Abraham Lincoln rests under a great pile of marble, granite and bronze in the Oak Ridge Cemetery, Springfield, Ill.

Andrew Johnson lies on a cone-shaped eminence near Greenville, Tenn., on which his sons have erected a marble monument with a granite base.

Ulysses S. Grant will sleep, after April 27, in the magnificent temple on Riverside Heights, near which his remains lie in a temporary receptacle.

Rutherford B. Hayes is buried at Fremont, Ohio.

James A. Garfield reposes under a towering monument in Lake View Cemetery, Cleveland, Ohio.

Chester A. Arthur is buried in Rural Cemetery, Albany.

Benjamin Harrison lies in Crown Hill Cemetery, Indianapolis beneath a handsome monument of Barre Granite.

William McKinley is buried in Westlawn Cemetery, Canton, Ohio.

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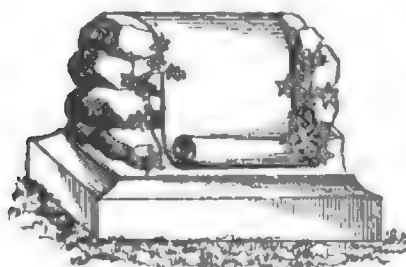
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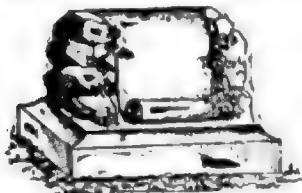
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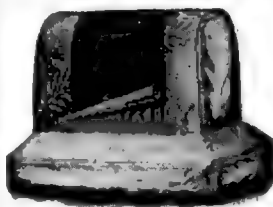
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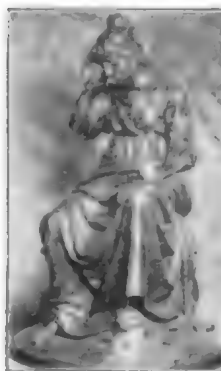
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EPITAPH.

John A. Stinson, of Columbus, Miss., sends this epitaph, an inscription recently cut by him for a customer in Pickens county, Ala.:

Francis R. Ford, born in Newberry Dist., S. C., Feb. 1st, 1802. Married Robert Bruce, 1819; married John Halcombe, 1831; married Robert Bridges, 1860. She survived three husbands and died May the 3rd, 1900, aged 98 yrs., 3 mos. & 3 days.

Servant of God, well done, well done; battle fought, the victory is won and you have the crown at last.



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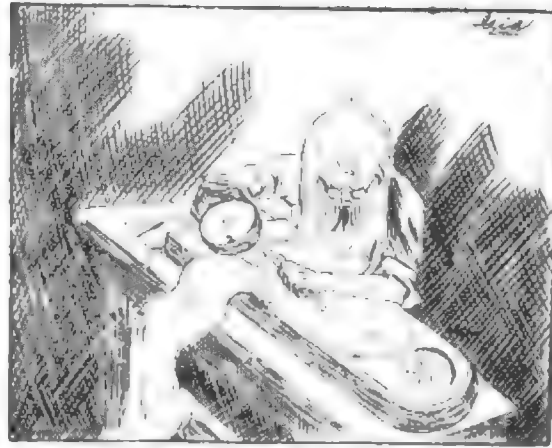
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EPITAPH.
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grave of an infidel:

Here moulders in
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One who to faith no
homage showed.
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sunk to rest,
To rise or lie, as
Heaven thought
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TOOLS

MINNEAPOLIS, MINN.

What Our Advertisers Are Doing.

Wm. J. Bovard has disposed of his granite business at Machias, Me., and intends to locate at Addison.

E. B. Willett, Bryan, O., contemplates putting in a complete manufacturing outfit and is in the market for an engine, compressor, pneumatic tools, traveling crane, polishing machinery, etc. Manufacturers of such supplies are asked to send their catalogues.

Drafting paper, air-brush supplies and all materials used by draftsmen are furnished by Thayer & Chandler, manufacturers and dealers in artists' materials, 146 Wabash avenue, Chicago. Send for copy of their catalogue.

E. Sargent Sampson, New York, has discontinued his business as monumental designer for the trade to accept a position with a retail firm.

F. S. Cary & Co., wholesale granite dealers Zanesville, O., and Montpelier, Vt., invite the attention of retail dealers to their facilities for supplying the demands of the trade in granite monumental work. They would like to quote a price on their No. 417, illustrated on another page in this issue, to responsible dealers. With a member of the firm permanently located near the Barre quarries they are in position to give personal attention to the execution of all orders placed with them for Barre granite.

When you want a really fine piece of interior marble work for a mausoleum or building of any kind, where particular attention is to be given to every detail of the finish and construction, you will be assured of getting just what your order calls for if it is placed with Frederick P. Bagley & Co., 18th street viaduct, Chicago. Such is the enviable reputation that this firm enjoys. They do a high class of interior work for churches, residences, office buildings, mausoleums, etc., in American and foreign marbles, and represent the Georgia Marble Company for sawed and finished Georgia marble.

The United Mercantile Agency Credit Ratings of the Mar-

ble and Granite Trades for 1902 is a carefully compiled list of manufacturers and dealers of the United States and Canada, with a financial rating. The book is published annually by A. M. Hunt & Co., 131 Devonshire street, Boston, Mass., whose aim has been to furnish as accurate and reliable information as is possible to obtain.

A MODERN TOOL PLANT.

The firm of W. H. Anderson & Sons, tool manufacturers, was this year changed to an incorporated company, with a capital stock of \$50,000, and in their new plant erected last year they now have every facility for furnishing stone, marble and granite working tools, as well as many other varieties of tools for many other uses. The new plant (shown in the illustration) is in the heart of the manufacturing district of the city with an exceptional site for shipping. The property has a frontage of 160 feet on the railroad and with two tracks the entire length of the factory it gives them exceptional facilities for shipping and receiving material. The main forge shop is equipped with steam and trip hammers, shears, punches, bolt-threading machines, bull-dozer, and other labor saving machinery. Special automatic machinery for threading, tapping, forming, drilling and performing other operations, many of which are of special design to suit the particular requirements of the Company are installed in every department. The business was established in 1871 by W. H. Anderson, in a shop 18 by 20 feet, manufacturing only stone cutters' tools. Within a year it was necessary to move into larger quarters, and in 1885 a new factory was built and the firm name changed to W. H. Anderson & Son. In 1893 the business had increased to such an extent that a new location was secured and a factory erected and equipped with special machinery. In 1902 the firm name assumed its present form, and the business has had a steady and rapid growth until it necessitated the erection of the building shown in the engraving.

(Continued on next Page.)



THE PLANT OF W. H. ANDERSON & SONS, DETROIT, MICH.

(Notes of Retail Dealers—Continued.)

Connecticut white and blue granite, quarried and manufactured by Booth Brothers and Hurricane Isle Granite Co., is a fine grained granite adapted to the finest class of carved and hammered monumental work. The quarries are located at Waterford, Conn. (P. O. New London), and main office 206 Broadway, New York. The company has a first-class equipment and facilities for giving prompt attention to the filling of orders for mausoleums or monumental work of any description. Dealers who aim to do first class work and who are not already familiar with Connecticut white granite should communicate with this company and get posted concerning it.

The Co-operative Granite Co., Indianapolis, Ind., manufacturers of Red Missouri and the other granites, say they have all the business they can attend to.

Builders of vaults, cellars, etc., should investigate the merits of damp resisting paint, manufactured by Tech Bros., 470 West Broadway, New York. This material, used on the back of limestone, marble or granite, will prevent stains from the absorption of moisture, and is guaranteed to keep mausoleums vaults, etc., perfectly dry. New York architects and contractors recommend the paint very highly.

Trade Literature, Etc.

BOOKS AND TRADE LITERATURE.

The T-Square Club, of Philadelphia, has issued a handsome catalogue of its annual architectural exhibition, held in the gallery of the Art Club of Philadelphia. The book is handsomely bound and illustrated with over one hundred plates, the most of which are wash drawings of prize designs. It contains a history of the club, of its work and aims, and a complete list of members. Every effort has been made to gather thoroughly representative drawings, photographs, and models bearing upon architecture and allied arts, and the committee has so arranged the exhibits as to preserve a proper balance between monumental, ecclesiastical and domestic architecture. There is much of monumental and sculptural interest in the drawings, which embrace every variety of architectural design.

The School of Industrial Art of the Pennsylvania Museum; circular of the School of Applied Art, 26th season, 1902-1903. An illustrated descriptive catalogue of the school. The course in Decorative Sculpture, under the instruction of Alexander Sterling Calder, includes studies from casts, from the living model and as diploma work, a piece of decorative sculpture, either in relief or the round. The course in Architectural Drawing and design will also be of interest, including a study of the Orders of Architecture, and lectures on Architectural Sculpture and the Historical Styles.

Programme of the unveiling of the Burns Monument at Toronto, Ont., July 21st. A handsome souvenir programme illustrating the monument and two of the bronze tablets on it depicting scenes in the poet's life.

The F. R. Patch Manufacturing Company, Rutland, Vt., marble, stone and granite working machinery, catalogue D. A handsomely executed catalogue of 124 pages, printed on heavy enameled paper, profusely illustrated with all varieties of machinery for granite, marble and stone workers, including channelers, cranes, rubbing beds and appliances, etc.

Harrison Supply Co., 32 India Wharf, Boston, Mass., dealers in chilled steel shot and all other granite polishers' supplies, send a neatly printed catalogue containing information and prices of carborundum, emery, putty powder and other polishing materials, and testimonials from customers.

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Contains the following Alphabets: Church Text, Egyptian, Egyptian Perspective, French, French Antique, French Renaissance, German Text, Italic, Italian Shaded, Italian Hairline, Monograms, Old English, Old Roman, Open Roman, Open Stone, Ornamental, Roman, Latin, Rustic, Teutonic, Etc. 32 pages, 4x7 inches. Price 20c.

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ANATOMY IN ART.

A practical text book for the art student in the study of the human form, to which is appended a description and analysis of the art of modeling, and a chapter on the laws of proportion as applied to the human figure by J. S. Hartley, Sculptor. Fully illustrated. 135 pages, including illustrated plates. Cloth bound. Price \$3.00.

HANDBOOK OF DRAWING. Walker.

Valuable to those seeking information on the elementary principles of drawing. 200 illustrations and diagrams. 270 pages. Cloth bound. Price, \$1.50.

TECHNIQUE OF SCULPTURE. Partridge.

Affords a practical as well as a theoretical knowledge of sculpture. An excellent guide for beginners. Describes and illustrates the entire process from the working of the clay to the final execution in marble or bronze. 21 illustrations. 113 pages. Cloth bound. \$1.25.

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Quick and accurate method of estimating granite monuments, giving the cubic feet of stock, superficial feet of cutting, also superficial feet of polishing each stone separate. Hundreds in use. Recommended by quarry workers and monument dealers all over the country as the best books of the kind ever published. "Square" book, \$5.00; "Sarcophagus" book, \$10.00.

PRICES, ESTIMATES AND RULES FOR FIGURING THE COST OF GRANITE WORK, BY JAMES F. BRENNAN.

A guide to assist in arriving at the cost of Cutting, Polishing and Lettering Plain Surfaces, Mouldings, Drapery, Statues, Urns, etc., in the different kinds of granite, and prices of rough granite at the different granite centers, to which are added the bills of prices of workmen recently adopted at Quincy, Barre and Concord; also complete bills of prices for polishing, recently adopted at Quincy and Barre. Illustrated, \$1.00.

THE MONUMENTAL NEWS.

A Monthly Journal of Monumental Art.

Vol. XIV. Chicago, September, 1902.

No. 9.

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Cleveland Needs an Art Commission.

Cleveland, O., has had another disagreeable monument experience, this time in the selection of a site for the memorial to Kossuth, a gift to the city from the Hungarian Societies. The site selected in the public square has met with very serious protests from the Poles and other foreign citizens. The question was decided by the council committee on parks and director of public works, Salen, which decision has been declared invalid by the Law department. This fiasco is a direct and practical argument for the appointment of an Art Commission in every important city. The decision of such a commission is practically final and is influenced not by the jealousies of factions or the wily efforts of politicians, but by the actual requirements of a city for its civic betterment.



McKinley Memorial, Philadelphia.

The general committee of the McKinley Memorial, Philadelphia, has issued its program for the proposed monument to our martyred President, William Mc-

Kinley, to be erected in Fairmount Park. The cost complete is not to exceed \$30,000 and the competition is opened to any sculptor without restriction as to citizenship or nationality. Designs are to be submitted in the form of sketch-models, and prizes to the amount of \$500 each will be awarded to the five designs declared worthy of the same by decision of the jury of awards. One of these five models will finally be selected by the jury and the commission awarded to the designer for the entire work. An important and commendable feature of this competition is the requirement that a full sized model in staff shall be erected at the proposed site. This should minimize the chances of disappointment from whatever cause which, in the majority of cases of public monuments, are expressed on their final completion. It is a very wise feature. While the prizes to induce competition are not tempting, the splendid subject, the site, the high professional character of the Jury of Award, and the general feature of the program of the competition make it one of the most attractive inducements of the best efforts of our sculptors ever offered, and will undoubtedly meet with approbation. Designs will be received at the office of the secretary, Leslie W. Miller, 320 S. Broad St., Philadelphia, between Feb. 2 and March 2, 1903, and the report of the Jury of Award will be made within sixty days from the latter date.



A Case for Exemplary Punishment.

The following will hardly be read with composure by any self-respecting monument concern. A firm of Muskegon monument dealers recently erected a costly family monument in a cemetery near Traverse City, Mich., and the work had not been complete forty-eight hours before some person so disfigured it with a foreign substance that the contractors were obliged to discount their bill several hundred dollars before a settlement could be effected with the parties for whom the memorial was erected. It is reported that suspicion attaches to the representative of a competing firm for the commission of this outrageous act, but for lack of positive evidence nothing can be done to secure justice. Such malicious injury cannot be too severely condemned, and in any court would receive the severest penalty. Employing firms are liable for the actions of their agents, and such a practical lesson as a court might teach would lead to greater care in the selection of men for a business which demands that the character of those engaged in it should be above reproach.

Marble and Granite Classification.

We are indebted to Mr. H. D. Pierce for a copy of the Western Freight Classification, which went into effect August 15, 1902. It is as follows:

Item No. 1.—Marble, granite, jasper, slate and onyx blocks, rough quarried, less than carload, 4th class; carloads, class "E."

Item No. 2.—Marble, granite, jasper, onyx and slate blocks or slabs, plumbers' marble, imposing stones, broken marble, sawed, dressed, boxed or not boxed, chiseled, traced, or polished, (polished surfaces being completely protected), no carrier's liability; shippers to give a general release constituting a contract, less than carloads, 4th class; carloads, class "C."

Item No. 3.—Marble, granite, jasper and onyx, lettered, figured or carved; lettered figured or carved surfaces fully protected by boxing, no carrier's liability, shippers to give a general release constituting a contract, less than carloads, 3d class; carloads, 5th class.

Item No. 4.—Marble broken, less than carload, 4th class; carloads, "E."

Item No. 5.—Items 2 and 3 when not released by contract, as above, less than carloads, 1st class; carloads, 3d class.

Item No. 6.—Marble or granite statuary, prepaid, double 1st class.

A comprehensive idea of just what this new classification means to western dealers may be had from a comparison of the old and new rates, taking Omaha, Neb., rates as an illustration. Prior to 1900, rough or finished granite less than carload lots was shipped from Chicago, 4th class, at 32c per 100 pounds. Carloads, class "D" at 18½c. From 1900, to August 15th, 1902, the rates on rough granite were L. C. L., 32 c, carloads 22c; on finished granite, L. C. L., 45c, C. L., 27c. The present rate on rough and finished granite unlettered or carved is 32c and 22c. The rate on lettered or carved granite remains unchanged, while the rate on marble or granite statuary is higher than it has ever been. Considering the fact that the great volume of shipments from the quarries are finished monuments unlettered it will be observed that the new rates are very materially reduced.



Prosperity Still With Us.

According to William E. Curtis, writing in the *Chicago Record-Herald*, the year 1902 will be a record-breaker for crops, and will see the largest harvest of cereals ever gathered in this or any other country. Railroad officials who keep well posted on such matters, estimate the value of the crop of breadstuffs alone at two billions of dollars. The output of gold and silver of America for the year is estimated at \$157,000,000, which appears insignificant by the side of the grain product, and as we, as a nation, cannot possibly

consume two billion dollars worth of bread, it should follow that the exports of the year will be correspondingly large. Moreover, changed conditions indicate at present that there will be no serious fluctuations in values. With such assurances of prosperity, there is abundant reason to anticipate an excellent fall trade among the marble and granite dealers of the country, and this means a busy winter at the quarries. Another encouragement for western dealers lies in the reduced freight rates which went into effect last month. Altogether there is room for an abundant thankfulness.



Marble and Granite at St. Louis.

The Marble and Granite interests of the country are to be placed on the same footing as other industries in the St. Louis Universal Exposition of 1904, and it behooves our producers and manufacturers to get into a line of co-operation so that the importance of these industries may be properly represented there. At previous expositions, no matter of what magnitude, there has been a woeful lack of business foresight in connection with the proper display of these important products and their uses and manufacture, and the coming exposition with its comprehensive and up-to-date methods of arrangement offers opportunities for all concerned which must not be neglected. The Department of Manufactures will comprise three buildings, in which the varied industries will be subdivided into groups, which, in the domestic exhibits, will embrace all varieties of each industry. The foreign exhibits will be divided into special groups according to nationality. This plan will be effective and convenient for comparing the merchandise of the world, and will obviate the necessity for wandering all over the place to obtain an understanding of any particular interest. It means a systematic installation of all the various branches of an industry in one section of a building so as to make a complete representation of that line of business. It will facilitate an exhaustive study of what a visitor may be particularly interested in with comparative comfort and well-regulated attention, and will leave him free for the exposition as a whole. It will be seen that it is to the interest of both producers and manufacturers of both materials, tools and manufacturing machinery, to co-operate in earnest, not only for the great benefits which will accrue to themselves, but also for the appreciation such plans will create in the public mind of the magnitude, value and importance of marble and granite in the trade of the country. This wise method of display and arrangement will secure the attention of the greatest number of people likely to use or sell the goods displayed, and it will be hard to conceive a more effective and economical way in which to promote business than by comprehensive exhibits at St. Louis in 1904.

Recent Monumental Sculpture in Europe.

The Bismarck Monument—The Paris Salon.

The findings of the jury which was entrusted with the award for the Bismarck Monument at Hamburg are of a great deal of interest inasmuch as they permit of a clear insight into the present condition of Germany's monumental realm. The plans received, according to the deductions made by the jury, show that the participants in the competition dispose of a certain amount of platonic ability, architectural phantasy, monumental taste, and highflying enthusiasm; it is

Chancellor, as the excellent variety of base and ornamental schemes which were submitted.

A magnificent monument is to be erected to Louis Kossuth, the Washington of Hungary, over his last resting place in the Kerepeser Cemetery at Budapest; 300,000 kronen (\$60,000) have been collected for this monument. Twice that sum is to be expended for another monument to be erected in a prominent square of the city of Budapest. The Municipal Art Com-



From Deutsche Kunst und Dekoration.

FIRST PRIZE FOR BISMARCK MONUMENT AT HAMBURG. HUGO LEDERER AND E. SCHAUDT, SCs.

also gratifying to state that many youthful artists competed, whereas in former years only the well established studios would be heard from; that the jury was enabled to choose purely on the comparative artistic merits of the plan submitted; and that the jury was so placed as to enable it to hold out positive promise of early execution of the accepted plan. There are many connoisseurs who claim that the first laurels should have been awarded to some of the artists who were consoled with second and third prizes, but on the whole there is general satisfaction with the jury's award. What is of especial interest to the monumental world, is not so much the portrait-like figures of the Iron

mission advertised for plans and has just awarded the first prize for the cemetery monument, amounting to 6,000 kronen, to Koloman Gerster and Alois Strobl, the latter one of the best known of Hungarian monumental sculptors, the former a prominent architect. As is usual in such cases, a storm of protests hailed in upon the jury from the competitors who were unsuccessful, but a description of the monument shows that its verdict was at least warranted. A terrace leads into the crypt; Doric columns surmount the whole and the sarcophagus is in the midst of a spacious hall, the figure of the illustrious dead being shown propped up on pillows. The roof of the Temple is crowned

*Deutsche Kunst und Dekoration.*

MAIN FIGURE FOR BISMARCK MONUMENT.

with a huge lion whose wide open jaw signifies that he is faithfully guarding the fame of the celebrated dead who sleeps beneath. Perhaps the lion is also intended as a symbol of the prowess and independent spirit of the Hungarian liberator. Bas-reliefs on the sides of the temple recall the stormy days of Kossuth's career. The Greek forms embodied in the imposing work lend to the whole an expression of grandeur which expresses well the high ideals of Kossuth. Franz Kossuth, the son of the famous Hungarian, has also approved the plan and its early execution may be looked forward to.

A very novel and pleasing monumental scheme is that which has found expression in the monument erected over the grave of Professor Max Koner in the Jerusalem Cemetery (Israelite) at Berlin. As a good deal of discretion has to be used in the design of monuments for Jewish cemeteries, the plan for that of Professor Koner cannot be too much appreciated. It is

to be regretted that the name of the sculptor is unknown.

A huge shaft with an iron cross at its pinnacle has been erected over the grave of the 18 German soldiers who met their death in a railroad accident when they returned victorious from the French war in 1871. The monument occupies one of the prettiest spots in the Zehortau (Prussia) cemetery.

Latest information to hand states that Professor Joseph Uphues, the German sculptor whom Emperor William has ordered to build the statue of Frederick the Great, which is to be a present from the German Nation to the American people, will in all likelihood, visit this country ere long so as to become acquainted with the local surroundings of Washington where his work is to be erected. Professor Uphues is the creator of numerous monuments that adorn the last resting places of Germany's nobles, the most prominent among which is the Sarcophagus of the late Empress Frederick.

It is likely that a grand monument will shortly be erected over the grave of Richard Wagner, the famous composer, at Bayreuth.

This year's Paris Salon is richer in monumental exhibits than any of its many predecessors. True, the year has not been a very prolific one in point of purely monumental works, but what there has been wrought recompenses in quality for the quantitative inadequacy. A. Bartholome, from our point of view, easily takes first rank as past master in the art of combining with sculptural ability, artistic temperament and a healthy conception and knowledge of architecture which makes his work imposing by its very symmetry.

*Art of Decoration.*

THE PARIS SALON—A TOMB—A. BARTHOLOME, SC.



Deutsche Kunst und Dekoration.

SECOND PRIZE FOR BISMARCK MONUMENT. HANS HUNDRIESER, SC.

His work is delicate and expressive and even amid the many chefs d'oeuvre of ornamental sculpture which permit of more technical license, Bartholome's exhibit

of a tomb stands out as one of the principal attractions of the Salon.

WM. CRAWFORD HIRSCH.

The Functions of Open-Air Statuary.

Mr. F. W. Ruckstuhl, director of sculpture for the St. Louis Exposition of 1904, and vice-president of the Municipal Art Society, of New York, recently delivered a lecture in Boston on "The Proper Functions of Open Air Statuary." It was one of a series on the esthetic development of cities furnished by the trustees of the Boston Public Library, and is in part as follows:

The functions of open-air statuary are, in reality, only four, but very important, morally. They are: to Delight, to Refine, to Console, to Stimulate.

The natural man seeks delight. In common with all animals he seeks the beautiful. A beautiful wife to put into a beautiful house in a beautiful garden on a beautiful street in front of a beautiful square with beautiful food and beautiful music. To realize this is to find paradise on earth and supreme delight. Now, the most important element of beauty in any such combination—outside of the wife—is statuary. By statuary I mean not only bronze monuments but ideal statues, beautiful vases, fine columns, fine ornaments carved on fine houses, monumental fountains, as well as artistic lamp posts and gateways whether carved in stone or cast in bronze. All these are sculpture or statuary—when finely done.

During an eight years' sojourn in Paris I learned that it is possible for a man to be quite poor and yet quite happy so long as his surroundings are beautiful.

And nowhere in the world is the workman who has his daily bread and daily wage quite so gay and happy as in Paris. For, as soon as he steps into the street, he sees beauty nearly everywhere. But go to any of our large cities and towns and, with the exception of a few spots here and there, you find the most picturesque ugliness imaginable. In fact I do not know of a single large city in the United States, outside of Washington, which for its own self, as a city, is fit to arouse the enduring love of a cultured man.

France is not nearly as rich as America. But since the establishment of the present Republic, thirty-two years ago, France has spent, in its cities and away from battlefields, ten times more money than this country for all kinds of civic art. And we ought to go there, and learn from that great nation, the value of the beautiful in civic life and how to get it, and the great lesson that even real poverty is endurable with a serene soul, if one is surrounded by beautiful things. Why do the Frenchmen refuse to emigrate? It is because they have the most beautiful villages, the most beautiful towns and cities, and the most beautiful land in the world.

Do you know that for twenty years powerful syndicates have been trying to get a law passed in Paris by cajolery, chicanery and corruption, to permit them to put up an elevated railway—and always in vain, in spite of the great need of rapid transit? I saw one

design involving fine stone arches and stone balustrades, vases, flowers and statuary all along the line. But the Parisians could not be cajoled, driven nor corrupted to pass the law. In short, the Frenchman knows—the American is only beginning to divine—the spiritual and medicinal value of delight aroused by the beautiful.

It is idle to talk about the necessity of art. For a savage does not need it—and the civilized man is never without it. Art is the crystalization, in concrete form, of the dreams of beauty of the soul. And great works of art are the sublimest products of the activity of man. Therefore a nation's rank in the scale of real greatness is determined exactly by its art and its art alone. Of course, by art I mean all kinds of art from Poetry to Painting, from Architecture to Gardening, and from Sculpture to Music.

The beautiful is the one thing of supreme importance in this world after you have enough clothes and bread and butter to keep you out of jail! Wise men know this. They also know that ugliness and ugly surroundings paralyze the moral sense, create unhappiness and actively help the growth of crime.

The second function of open air statuary is to refine men, and when they begin to be refined the divine, dormant in man, begins to awaken. And as men become more and more refined crimes of a brutal nature decrease and good manners and politeness increase. And Bulwer Lytton, the most polite man of his day, said truly: "Manners are more important than religion."

I have traveled from California to Egypt and from Spain to Hungary and have always observed that the politest and most refined people live in the most artistic cities. Not only is it reasonable that this should be so, but I have found it so by experience. The tendency of the beautiful to decrease crime is not disputed by those who know mankind. Of course, a million statues in marble and bronze would not stop all crimes in any city. But, everything else being equal as to plentifulness of food, clothes and labor, that community will be the most refined and have the least crime which is the most beautiful, and statuary is, I say it once more, the most important element in any beautiful prospect, whether in city or country. If you doubt this still, take a walk in the park of St. Cloud, near Paris, destroyed during the siege of that city. The trees, flower beds, and walks, everything, is nearly as it was when the palace was in its glory, except that all the statuary has been removed. Then walk down to Versailles, where the statuary is all in place, and you will soon be convinced that in any combination of beauty statuary is really the backbone and most important element of all.

The third important function of open air statuary is

to console, and there never will be a time when the majority of men will not need consolation.

First we have the cemetery statue and monument. Some of you no doubt will smile at this. I do not blame you. For, cemetery statuary is in general in America and often in Europe a disgrace to the family who paid for it, and fit to make the dead turn in their graves. But if you go to some of the European cemeteries you will find many monuments, among the ugly, so fine that they are a positive source of consolation to the holder. Consolation is a "Sweet Sorrow," to borrow a phrase from Shakespeare, and dear to all of us in moments of disappointment when we need sympathy. And therefore, cemetery statuary above all should be not only plentiful but of the finest kind. As such it could render a distinct service to the afflicted and become a source of moral help to any city. The proper function and wonderful possibilities of a cemetery have never been fully exploited. But that it could be made so beautiful as to be a source of great mental and moral help to a community I am certain. The main requisite for that is that the statuary be fine and not absurd.

Besides the consolatory statuary in cemeteries we should have such public monuments which commemorate the sufferings and martyrdom of large bodies of men or important individuals as are involved in battles and in such catastrophies as the blowing up of the Maine, for example, and monuments to a Lincoln or a McKinley. When we raise a monument to a martyr we honor him and at the same time find consolation for ourselves. Remember that the function of consoling is one of the most important in life and in the past has been, and still is, largely the principal source of the spread and staying power of Christianity.

But the most important function of open air statuary is to stimulate the nation to activity. No intelligent man doubts for a moment that a fine public monument is a powerful stimulus to mankind. Let any father take his son out walking on a spring Sunday and he will soon see that as he approaches a monument his boy will ask him: "Papa, what is that?" Papa will have to explain, of course. He will be compelled to tell his boy the story of the life and achievements of the man monumented. In the very process of doing this he will arouse the enthusiasm of his boy, and it is most likely that the father himself will be newly fired to dedicate himself once again to the task of emulating the hero whose noble life he has been allured to describe to his son—and, in that new self-dedication, resolve to push his boy as far as he can on to a finer manhood, and to make him his votive offering to his country and thus enrich mankind with the most royal gift a father can offer.

Or suppose while you are strolling about in a park you suddenly find yourself in front of a fine ideal statue like Dubois' magnificent "Charity." Do you suppose you could get away from the clutch of that statue without having been inoculated with at least a vague amount of new love for your fellow man? Impossible!

The three greatest men this country has produced are Washington, Lincoln and Emerson. You have very fine monuments to Washington and Lincoln by the sculptor, Thomas Ball. Why have you not raised a monument to Emerson?

Your Lincoln monument is a superb thing, but its setting is poor. You should create a fine square for it, put it in the center, on a splendid platform, surrounded by balustrades and with flowers and fountains, with a magnificence worthy of the great hero and martyr—even if it cost a million dollars to create the square. Nothing is too costly to glorify those three great men. Not for their sakes, but for your own. For when a city sets up a stingy monument to a great man it only belittles itself.

I have now spoken of the four moral functions which are really proper to open air statuary—to delight, to refine, to console and to stimulate the people. Let us now see what is the effect of the setting up of statuary in a city from a material point of view.

The first effect is, to raise the price of real estate. Permit me to say, without the slightest fear of successful contradiction, that you cannot place a \$20,000 monument—if it is a good one of course—anywhere in your city without raising the value of the surrounding real estate, far, far more than the cost of the monument; provided always that the monument is properly placed, but above all properly kept. This has been proven so often that it has become an axiom. I have not the time to prove it again here.

If you wish to elevate your slums put in a few live-giving statues and see that they are well kept and you will see them work wonders. This has been frequently done in Paris—that best governed city.

Hence nothing is more short-sighted and stupid, from a mere business point of view, than to cry "extravagance!" when a city government spends money for statuary.

The annual outlay of New York City is now about \$100,000,000. Just two years ago the city government put up a new marble building for the Court of Appeals. It is the finest special Court House perhaps in the world and an honor to New York City. \$180,000 was spent for the statuary—a mere bagatelle. Yet a certain number of fool demagogues howled about spending so much money for art when there were so many poor about. Not knowing that the more money you give to the poor the poorer you make them, and the more money you make circulate by giving the poor

work, in making statues as well as sewers, the richer you make them.

Italy today practically lives off of the art it created three and five hundred years ago.

And I need not speak of the second effect of placing open air statuary in your city—the honor it will reflect on you.

You should always bear in mind the importance of properly placing your statuary. You may accept it as an axiom that the greater the man and the more strenuous the life he led the larger should be his monument and the space around it, and the closer to the daily life of your city. Hence a statue of Washington or Lincoln placed in a small side square would be ridiculous. It would be equally ridiculous to place the monument of a minor poet like Whittier in a large square where the people meet—now in friendly chat and now in angry riot. Such a monument should be placed in a small square or park. A small square or nook in a park is conducive to meditation—a large square to agitation.

Of course, in the case of so overshadowing a great man as Emerson, you ought to give him a great monument in a great square, but still always away from the turmoil of your business centers and market places—in a quiet place conducive to meditation. For there should always be harmony between the character of the place and the character of the statue. It would be manifestly absurd to place a dancing Venus in front of your Trinity Church, no matter how fine it might be as a work of art and proper in a museum.

Parks are the proper places for the placing of ideal statuary in which we, in this country, are ridiculously poor. Ideal statuary should never be placed in a city square, except it be as an accessory of a fountain or monument. Nothing is more charming than the parks of Europe where one wanders about and suddenly, in a nook or junction of two paths, finds a beautiful ideal statue, group or fountain. Large portrait monuments should never be placed in parks. Small monuments and busts are permissible in parks because they do not overshadow the surroundings where they are placed.

Last, but not least, comes the proper keeping of open air statuary. Nothing is more sad than the run-down condition of monuments in Spain, especially in Madrid. They show that the people are either in great poverty or in a state of lamentable moral apathy. A monument and its surroundings should always be kept as clean as possible and show the evidences of the loving care of the people, even if everything else is left untidy. It is a sign of vigorous national life, cheerfulness and of the daily success of the community. For every dollar spent in erecting, but, above all, in properly caring for public statues, is not only money invested—but moral health insurance as well.

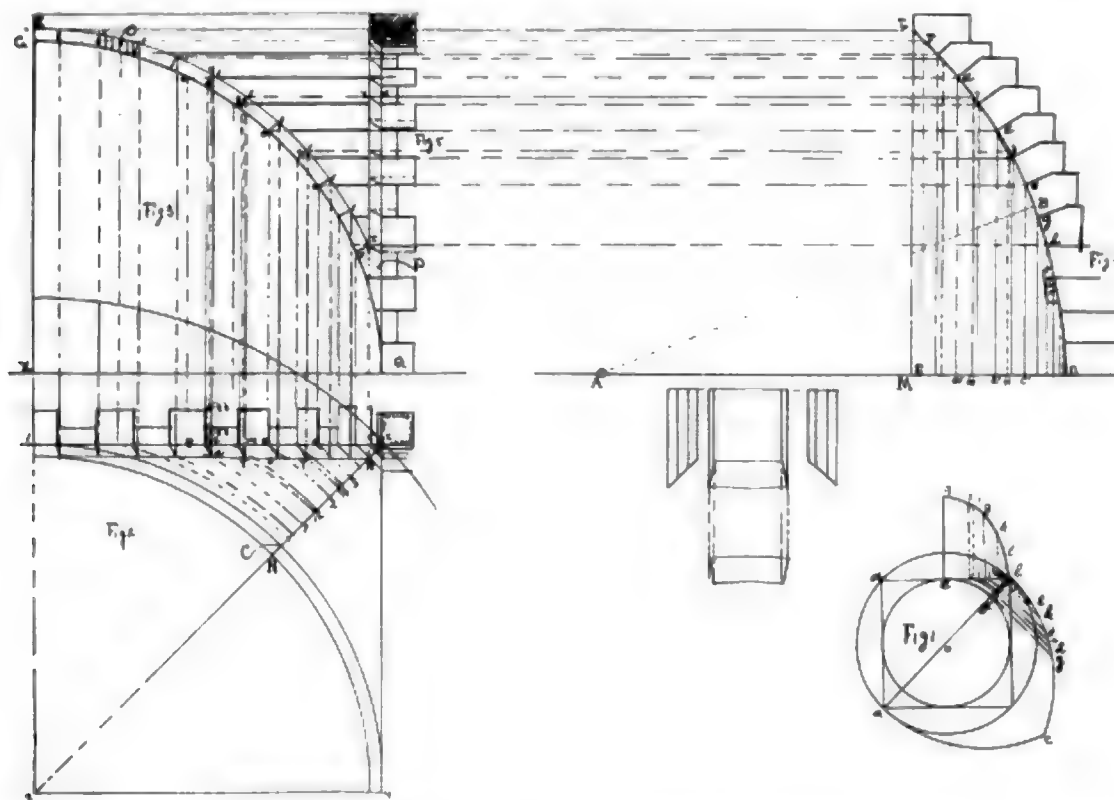
Corbelling.

(Continued.)

Copyright by Donald Fraser, 1909.

In a previous drawing on Corbelling we had the faces of the arches supporting the dome plumb; in this diagram we intend to show the curve of the dome springing from the soffits, which produces in every arch stone face, a certain amount of twist as the arch stones rise from the springer. In getting out patterns for a construction of this kind or laying out the dome to a scale, find the points in the plan, elevation and section that relate to each other in making the patterns required for the working of the different stones. This style of dome is similar to the kind used by the

draw a circle with the radius o, e , and where it touches line a, b , at f , raise a line to touch curve c, b , at g . Now divide the curve b, g , into any number of parts, from these points drop lines to touch the line b, f . From o with radii oo, oo , etc., draw curves to touch a, b , at $1, 2, 3, 4$, raise lines from these points, take distances f, g, o, h, o, i , etc., to e, g, l, i, l, j , etc., draw a curve through g, h, i, j , etc., which will be the shape of half section across a, b . Having gone over this problem carefully we are now ready to start to lay out the work. First: Lay out a quarter of the



architects in early "French Cathedrals" as well as other Corbelling, which will be shown in these diagrams, which are just as interesting and instructive to the student or mechanic who uses his spare time for good purposes. Designs for mausoleums, vaults, etc., could be taken from these. You would probably receive a quarter plan, a section across the dome, and section showing Corbelling. In this diagram, instead of the elevation being a semi-circle as in the preceding article it is pointed. To make this clearer let us look at Fig. 1, which shows the principle from which such problems evolve. Let a, b, c be the elevation, the circle a, b the plan. We now cut a section across the plan as d, h . To find the shape of the section over d, b ,

given plan as shown at Fig. 2, by $1, 2, 3, 4$, then draw the diagonal line $2, 3$. Then with radius $3, 4$, draw a quarter circle as $1, 4$. That being finished we look at Fig. 4, which is the given section used for the Corbelling. With radius A, B , draw a curve. Take $2, C$, from Fig. 2 to Fig. 4 as D, E , raise a line from E to touch the curve at F , this will be the highest point in the elevation at G , in the soffit line. Now divide Fig. 4 into the required number of courses as seen (the joint lines being drawn later). Our next work will be to find the shape of the elevation Fig. 3. From the divisions of the curve at Fig. 4, as a, b, c , (we will take only three points as all are found by the same method) drop lines to touch the base line at a', b', c' .

Now take E a', E b', E C', from Fig. 4. to Fig. 2, and mark on the line 2, 3, from C as C 1, C 2, C 3. From centre 3 with 3, 1, 3, 2, and 3, 3, as radii, draw curves to touch line 1, 2, at o, o, o, raise lines to Fig. 3 from these points, as shown by dotted lines. Then draw across from Fig. 4, lines from points a, b, c, to intersect the lines at o, o, o, these will be the points to the curve, the more points found the truer the elevation. From the plan at H raise a line to touch the line drawn from h at I, draw the joint line I, J, from x, then I J will be the width of the arch face. Next draw a curve parallel to G, o, o, o, J, from I, equal to the width of I, J. Now divide the arch into the number of stones required, then draw the joints from X. From K draw a line to touch Fig. 4, at L, drop a line from this point to M. Take distance D, M, transfer to Fig. 2 as 2 N, then with radius 3, N, draw a curve to touch 3, 4, and 1, 3, which will give the projection of the key over the soffit. Having obtained the face of the arch we will finish Fig. 4, the joint lines of which are drawn from A, all beds below g being level; all stones above g have ashlar attached, as it gives each stone a better bearing. The top course finishes straight or plumb on the face. Our next work will be to find the shape of the stones in

plan. Drop lines from the soffit joint lines to touch line 1, 2, P, d 2 and divide them so that they will break joint; we then have the soffit in plan. Next drop lines from the top of arch 1, 1, 1, 1, etc., let them be dotted. To find how much each arch stone projects over the soffit, we will take joints 5 and 6 as examples for all. Draw across from 5 to 6 lines to touch Fig. 4 at 7-8; drop lines from these points to touch line D, M, at 10-11; transfer distances D 11, D 10 to Fig. 2, as 2-13 and 2-11, then with radius 3-12 and 3-13 draw curves to touch the line dropped from the corresponding point as at Y, Y. The points being all found, draw a curve through them, and this will be the top line along 1, 1, 1, 1, etc., in plan. The joint lines in plan are found in precisely the same way, only they should be divided into several parts, as shown in joints 4 and 5. The section through the soffit is found by drawing across from the soffit and top of Fig. 3 to Fig. 5, as shown by the solid and dotted lines. The projection of the top over the soffit is the same as in the plan, each joint corresponding one with the other as 14-Y in plan, equal 15-Y in section and so on for all the others. It will be seen that the size of each stone can be taken from either plan as section and face of arch.

(To be continued.)



THE LELAND A. SMITH MONUMENT, BLOSSOM HILL CEMETERY, CONCORD, N. H. ALL-HAMMERED CONCORD GRANITE. CUMMINGS BROTHERS, CONCORD, CONTRACTORS.



Hamo Thornycroft's statue of Boadicea, the early Briton queen, and her daughters, was unveiled July 18, on the Thames Embankment, at Westminster Bridge, London. It has taken a number of years to find a suitable site for this group, and on one occasion a pedestal was torn down because the granite of which it was made was unsatisfactory.

Herman Hidding, the German sculptor, has designed a monument in honor of Baron von Ketteler, who was assassinated in Pekin in June, 1900, to be erected in Muenster, the home of the sculptor and of Baron von Ketteler. The design is an original and impressive memorial, embodying a pyramidal shaft and groups of symbolic figures.

A society of religious art has been formed in Paris for the avowed purpose of arousing people to a higher appreciation of works of art owned by French churches and cathedrals. The membership is composed of painters, sculptors, and archaeologists, who are also members of various art associations. One of the reasons for the existence of the society is said to be the desire to prevent the art treasures of France from being bought up by rich Americans.

Edward Kemeys is modeling a series of small bronze animal groups for the new Chicago post-office, to represent the native animals of America. He has recently modeled a grizzly bear in the Zoological Park, at Washington, D. C. The animal is shown standing with head bent and forepaw raised, looking intently at the body of a dead wild sheep that lies across his path. Mr. Kemeys spent the winter studying the wild beasts of New Mexico in preparation for the work.

Edward C. Potter's equestrian statue of General Henry W. Slocum, to be erected on the Gettysburg battlefield, was recently cast by the Gorham Company. The pedestal has already been erected, and the dedication ceremonies have been set for September 19. The statue is 15 feet high, weighs 7,500 pounds, and the total height of the monument is to be 31 feet. The general is shown sitting at ease on his horse, and the work is said to be an excellent likeness.

Philip Martiny has been commissioned to model the statue of the late President McKinley, to be erected in front of the high school building at Springfield, Mass. The memorial will consist of an heroic-size portrait statue, and a life-size allegorical figure of Fame, both of bronze, mounted on a granite pedestal. The work is to cost \$15,000, and is to be ready for unveiling in the summer of 1903. Mr. Martiny has also recently completed a sketch model for a statue of Alexander Hamilton for the New York Chamber of Commerce.

Charles H. Niehaus has modeled two designs for a monument which the Leonard family, of Taunton, Mass., is to erect in a public square in that city to commemorate the establishment of the iron industry in Massachusetts in 1651 by members of that family. One of the designs consists of an obelisk, ninety feet high, rising from a base representing an island in a circular basin of water. About the base are to be bronze groups showing the prospector discovering iron ore, and the iron master extracting the metal, and from grottoes

at either side of the island are to gush streams of water. The other design shows groups of statuary in front of a granite pedestal on which stands a draped female figure, holding in one hand a torch and in the other the helmet of Mercury.

J. E. Kelley, of New York, has been selected to model the statue of General Fitz John Porter, to be erected at Portsmouth, N. H. The model accepted is one for which the General gave a personal sitting, and represents him seated on a horse, with his hat across his breast, saluting the flag. The bronze equestrian group will be twelve feet high, and will be mounted on a granite pedestal 15 by 8 feet and 10 feet in height. The statue is to cost \$30,000, which was bequeathed by Robert Eddy, of Boston, some years ago.

J. Q. A. Ward, who is modeling equestrian statues of Generals Phil Sheridan and Winfield Scott Hancock, has had a long search among the horses of New York City for models for the chargers of the two officers, but after examining many applicants has finally found two that fulfill the requirements. The model for General Sheridan's horse is a big black, seventeen hands high, and weighing 1,600 pounds, that was formerly engaged in pulling a brewery wagon. The other is a handsome chestnut saddle and driving horse.

Lauritz Jenson, the Danish sculptor, who is completing the equestrian statue of General Sherman, for which the late Carl Rohl-Smith was commissioned, has finished the wax model of the chief figure, and the plaster casts are soon to be made and sent to the Gorham Co. for casting in bronze. The group consists of the figure of the General seated at ease on his horse, surmounting a pedestal on either side of which are groups symbolizing War and Peace. Beneath these groups, on the four sides of the rectangular stone base, will be bronze tablets bearing relief representations of scenes in General Sherman's life. Stephan Sinding, of Copenhagen, is modeling the two symbolic groups, and is to finish them this fall. The unveiling is set for April, 1903. The commission was awarded to Mr. Rohl-Smith in 1895, and on his death, in 1900, a new contract was made with his wife, who secured the services of the two sculptors mentioned to complete the work.

George Grey Barnard has been selected to execute all of the sculpture to adorn the new capitol building for the state of Pennsylvania. The plan provides for an elaborate series of groups in four general divisions, to cost \$300,000. The chief work will be a colossal bronze group, "The Apotheosis of Labor," to stand before the base of the dome. The group will be 35 feet high, and will include three horses. The rest of the sculpture will be of marble. The second division will consist of four pairs of caryatides supporting this last group. They will represent miners, ironworkers, lumbermen, and farmers, the typical forms of labor that have combined to build up the state. The third division will comprise two groups of primitive men, women and children, to be placed at either side of the main entrance. The fourth division is to include four groups to flank the subordinate front entrances in the wings. These will portray the four classes of people who have made the state what it is, the Quakers, the Scotch-Irish, the English, and the Pennsylvania Dutch. The building is to cost \$4,000,000, and besides the sculptural scheme here outlined will be adorned with a series of paintings by Edwin A. Abbey, to cost \$150,000. Harmony of design is to be the distinctive feature of the structure, and the co-operation of the two artists with the architect, Joseph M. Huston, will be everywhere apparent.

The Defense of the Flag.

The illustration on this page shows the monument presented to the town of Athens, Pa., by Mr. and Mrs. Joseph W. Stickler, of Orange, N. J., in memory of all soldiers who fought for the flag.

The group was modeled by George T. Brewster, and represents a soldier and drummer boy defending the flag. The figures are of bronze, heroic size, and mounted on a granite base.

The monument was unveiled with elaborate public ceremonies in the presence of a large crowd, including many visitors from Orange.

The work is executed with spirit and feeling, and is marked by originality of conception and forceful, vig-

torn and tattered flag of stars and stripes nearly hidden from sight. With a cry of happy concern he rescues this flag from its hiding place, and as he does so, there joins him one of the veterans of the hour.

"While the soldier and the drummer lad are speaking together of the flag and of what it stands for, and while the older is telling the younger of how gladly a man will lay down his life at his country's call, the sharp eyes of the little fellow discern some strange movement way off there on the further edge of the battlefield. Some form, some enemy, perhaps, is moving over there! The deepening shadows of sundown give mystery to it. Perhaps it is indeed the enemy stealing back to fall on the unprotected camp! But whatever it is, it appears to be a menace and seems to prophesy evil.

"Lovingly the drummer boy gathers the precious flag to his protection. Eagerly he points out to the older man the direction of the danger; instinctively the veteran enfolds with his own brave arm the flag and the boy who guards it, while both of them look earnestly away into the shadows, alert and vigilant, ready now for any danger, and standing shoulder to shoulder, like so many thousands of their kind, 'Pro patria et gloria.' And for this the title: 'The Defense of the Flag.'



DEFENSE OF THE FLAG—GEORGE T. BREWSTER, SC.

orous modeling. It is a departure from the conventional soldiers' monument, and no replicas of it will be made. Mr. Brewster spent two years in perfecting the figures.

The picture presented and suggested by the monument was well described at the unveiling in an address by Rev. Charles Townsend, from which we quote as follows:

"While the soldiers are gathered about their bivouacs a little drummer boy has strolled out upon the field of action, seeking, it may be, some familiar face among the many cold and still, illumed by the setting sun and glorified by the better light of patriotic sacrifice. As this lad walks among the dead he suddenly espies a

Care of Drawings and Designs.

One of the problems of the monument dealer is how to keep his designs, photographs and sketches in a clean and orderly way, and one that will make them readily accessible. The photographs furnished by the concerns who make a specialty of that business are usually of a uniform size, and may be had mounted on linen ready for binding into portfolios, and this is really the best and only way that photographs should be kept. The styles should be classified and kept in separate books, properly numbered and marked with sizes. This saves much time and confusion when showing photographs to a customer. With the lithograph designs it is more difficult. There are so many different kinds and sizes issued by designers and manufacturers that a uniform system of portfolios seems almost impossible to adopt. In many offices drawings and designs represent a large investment of money and probably no better way of keeping them can be devised than a sectional system of shallow drawers with their contents classified and indexed so as to facilitate readily turning to certain styles and sizes. A few dollars expended in office furniture of this kind will prove a profitable investment with many a dealer whose designs are being damaged and rendered useless for want of a little care.

Census Statistics of Marble and Granite.

The following details of the census covering the manufacture of monuments and tombstones and marble and stone work in certain states for the year 1900, are in addition to those reported last month:

Ohio.—Monuments and tombstones: Establishments, 241; capital, \$885,551; average number of wage earners 528; wages paid, \$304,528; cost of materials, \$1,063,653; miscellaneous expenses, \$86,938; value of products, \$1,928,217. Marble and stone work: Establishments, 133; capital, \$1,949,635; average number of wage earners, 1,839; wages paid, \$860,258; miscellaneous expenses, \$108,908; cost of materials, \$773,959; value of products, \$1,731,684.

Kentucky.—Monuments and tombstones: Establishments, 64; capital, \$353,690; average number of wage earners, 253; wages paid, \$122,670; miscellaneous expenses, \$2,258; cost of materials, \$70,770; value of products, \$112,020. Marble and stone work: Establishments, 35; capital, \$194,788; average number of wage earners, 296; wages paid, \$110,057; miscellaneous expenses, \$14,770; cost of materials, \$98,016; value of products, \$328,908.

Pennsylvania.—Monuments and tombstones: Establishments, 390; capital, \$1,712,125; average number of wage earners, 923; wages paid, \$552,760; miscellaneous expenses, \$91,113; cost of materials, \$1,088,924; value of products, \$2,363,955. Marble and stone work: Establishments, 390; capital, \$1,712,125; average number of wage earners, 923; wages paid, \$552,760; miscellaneous expenses, 488,136; cost of materials, \$2,535,869; value of products, \$7,609,255.

Virginia.—Monuments and tombstones: Establishments, 57; capital, \$135,583; average number of wage earners, 182; wages paid, \$79,370; miscellaneous expenses, \$11,857; cost of materials, \$125,709; value of products, \$306,453. Marble and stone work: Establishments, 13; capital, \$238,820; average number of wage earners, 528; wages paid, \$169,681; miscellaneous expenses, \$15,088; cost of materials, \$67,956; value of products, \$332,081.

Maryland.—Monuments and tombstones: Establishments, 39; capital, \$262,066; average number of wage earners, 187; wages paid, \$94,927; miscellaneous expenses, \$12,158; cost of materials, \$139,412; value of products, \$336,909. Marble and stone work: Establishments, 29; capital, \$531,818; average number of wage earners, 828; wages paid, \$437,252; miscellaneous expenses, \$39,398; cost of materials, \$472,478; value of products, \$1,329,275.

Nebraska.—Monuments and tombstones: Establishments, 47; capital, \$199,465; average number of wage earners, 120; wages paid, \$61,908; miscellaneous expenses, \$10,139; cost of materials, \$189,128; value of products, \$387,060. Marble and stone work: Estab-

lishments, 8; capital, \$54,050; average number of wage earners, 57; wages paid, \$34,000; miscellaneous expenses, \$4,993; cost of materials, \$30,165; value of products, \$100,545.

Rhode Island.—Monuments and tombstones: Establishments, 38; capital, \$364,320; average number of wage earners, 205; wages paid, \$128,407; miscellaneous expenses, \$18,272; cost of materials, \$126,354; value of products, \$371,894. Marble and stone work: Establishments, 23; capital, \$90,542; average number of wage earners, 574; wages paid, \$233,026; miscellaneous expenses, \$41,528; cost of materials, \$162,759; value of products, \$551,983.

Iowa.—Monuments and tombstones: Establishments, 139; capital, \$637,587; average number of wage earners, 328; wages paid, \$177,585; miscellaneous expenses, \$48,117; cost of materials, \$630,514; value of products, \$1,267,459. Marble and stone work: Establishments, 39; capital, \$370,479; average number of wage earners, 280; wages paid, \$145,190; miscellaneous expenses, \$16,514; cost of materials, \$270,230; value of products, \$355,046.

California.—Monuments and tombstones: Establishments, 75; capital, \$303,740; average number of wage earners, 280; wages paid, \$145,190; miscellaneous expenses, \$16,514; cost of materials, \$270,230; value of products, \$545,482. Marble and stone work: Establishments, 49; capital, \$901,877; average number of wage earners, 197; wages paid, \$142,288; miscellaneous expenses, \$39,988; cost of materials, \$371,657; value of products, \$1,053,215.

Minnesota.—Monuments and tombstones: Establishments, 80; capital, \$352,961; average number of wage earners, 280; wages paid, \$145,190; miscellaneous expenses, \$16,514; cost of materials, \$270,230; value of products, \$630,261. Marble and stone work: Establishments, 52; capital, \$812,603; average number of wage earners, 1,311; wages paid, \$611,697; miscellaneous expenses, \$60,093; cost of materials, \$296,931; value of products, \$1,177,464.

Breccia Marble Free of Duty.

Breccia marble, imported by C. D. Jackson & Co. through the port of New York at various times since the enactment of the present tariff law, has been the subject of a decision at the hands of the Board of General Appraisers. The merchandise in question was assessed for duty by the collector at the rate of 65 cents per cubic foot as "marble in block" under paragraph 114 of the existing tariff act, covering "marble in block, rough or square only." It was claimed to be free of duty under paragraph 508 as "breccia, in blocks or slabs."

The importations in question consisted of marble breccia of several varieties. A former case was brought by Jackson & Co., which involved an importation of breche violette, which is crystallized, micaceous in appearance, and composed of broken fragmentary material, a distinctive quality of the stone being the angular character of the fragments appearing in it. Though the article was shown to be both marble and breccia, the Board found that it was commercially known as breccia, and held it to be free of duty as such under said paragraph 508. An additional reason for this conclusion was found in the rule that where an article is enumerated in both the free list and the dutiable list the free list provision should prevail, because, being last in order, it is the latest expression of legislative intent, and where an article is as clearly free as dutiable the doubt is to be settled in favor of the importer.

Art in the Pennsylvania Capitol.

No more significant proof of the remarkable progress of Art and the conditions required for its effective promotion has been given in this country than that of the Pennsylvania authorities in their decision in regard to the art decoration of the new Capitol building of the state. They have awarded the work to two artists only—both Americans; the sculpture to George Grey Barnard, the interior mural decorations to Edwin A. Abbey, at the total cost of \$450,000. Both men are young, as art goes, of international reputation, pronounced men of genius, and whose works have been broad and virile, and have attracted the admiration of the world.

The Pennsylvania authorities are to be highly commended for the course they have pursued. It discourages the repetition of the evil results displayed in recent important public buildings where pernicious rivalry of artists, consequent upon the number of commissions awarded, has seriously marred the artistic harmony expected. The selection of the two men named will assure such harmony and will concentrate their highest effort for the best possible product of their genius. Mr. Barnard is to be highly congratulated on this his great opportunity, and we may entertain the utmost confidence in results. His scheme of sculpture will have four divisions: a colossal bronze group—the "Apotheosis of Labor" at the base of the dome, which will be in bronze. The remaining divisions will be of marble and will comprise caryatides representing typical forms of labor in Pennsylvania: two groups of primitive men, women and children, on either side of the main entrance, and four groups at either side of the subordinate front entrances in the wings, which will portray in general type and costume four classes of people credited with the building up of the State—the Quakers, the Scotch-Irish, the English

and the Pennsylvania Dutch. This will be the first time in the history of Art in the United States where the three sisters, Sculpture, Painting and Architecture, have been given opportunity to co-operate harmoniously, and it is a precedent for which every high-minded citizen may be profoundly grateful.

Public Fountain, Brockton, Mass.

The combination fountain and clock shown in the illustration was presented to the city of Brockton, Mass., by George L. Snow, of that city. The fountain



COMBINATION CLOCK AND FOUNTAIN.

is of Quincy granite, twelve feet in diameter and twenty feet high. In a cellar beneath it is an ice-box fitted with a coil of pipe to keep the water cool.

The clock is of bronze, and was designed and built by the Howard Clock Co., of Boston.

The first sketches for the stone work were made by George J. Tilden, of Boston, the final design and detailed models for bronze plates and carving being the work of Milne & Chalmers, of Quincy, Mass., who also erected the work.

The cost of the fountain was about \$10,000.

St. Gaudens' Statue of Admiral Farragut, New York.

An Appreciation by Charles H. Niehaus.

The New York *Daily News* has selected a jury of nine well-known sculptors to choose what they believe to be the six finest public statues in that city. Each juror selected six statues, and from the works thus individually chosen, the six receiving the highest number of votes were selected, and are to be described and criticised by the sculptors selecting them. The six that have been chosen are as follows: St. Gaudens' Farragut in Madison Square; Macmonnies' Nathan Hale, City Hall Park; Ward's Washington, Sub-Treasury Building; Brown's Equestrian Washington in Union Square; French's Hunt Memorial, Fifth avenue and Seventieth street; and Bissell's De Puyster, Bowling Green. The following sculptors composed the jury: J. Q. A. Ward, George Grey Barnard, Frank Edwin Elwell, Charles H. Niehaus, Karl Bitter, Hermon A. MacNeil, Paul W. Bartlett, William Couper, and Charles A. Lopez.

The first paper of the series was an appreciation of St. Gaudens' Farragut by Charles H. Niehaus, which is as follows:

"When art realizes nature, there is always a delightful spontaneity of result. It is not the labored achievement of recording each detail or turn of peculiarity which may identify the subject, but rather of recognizing the essentials and of expressing them with frank and happy simplicity—in a word, to take what is natural and characteristic in life and put it into its plastic form with such individual skill as one may have.

"This is what Mr. St. Gaudens has done with his statue of Admiral Farragut. He has perceived the character and essential distinctions of the man and expressed them with such consummate art that the spectator, lost in the delight of the statue's appeal, forgets the art that made it and the artist who fashioned it. For, although it is said that the statue was made over and over and over again before the sculptor was willing to deliver it, yet the result is naive and spontaneous.

"In its best of all essentials it tells its story—it is the statue of a sea commander, a naval hero, firm, intrepid, resourceful. The feet are planted widely apart to sustain the equilibrium, a characteristic attitude for a seaman. The pose is natural, characteristic, yet it shows the firmness, dignity and power of Admiral Farragut. And when all else has been said in appreciation, it remains to recognize the "big" art in it by saying that it is treated very simply.

"Mr. St. Gaudens is not, as is generally supposed, a native American. He was born in Dublin, the home of his mother, who comes of an old Irish family. His father was French. When he was six months old he was brought to this country and calls himself Ameri-

can. When a lad of thirteen he joined a drawing class in Cooper Union, and before the year was out became a cameo cutter. When he was fifteen he was a student in the National Academy of Design.

"From the very first Mr. St. Gaudens turned to American subjects. His first large work, "Hiawatha," was so clever in the clay that money was raised in Boston to commission the modeler to cut it in marble, and from this time he has been continually successful. He has made New York his home for thirty years. His work has never had a French or an Italian taint, but has been frankly and strikingly American, even to the subjects chosen.

"The statue of Admiral Farragut was his first great commission in this country, and was unveiled in 1880. He has given us others in New York, among them the bronze Peter Cooper in front of Cooper Union; and a number of tremendously effective monuments throughout the country.

"Mr. St. Gaudens has been criticised for making the chief interest of his statues depend upon a front view; and this is chiefly true of his "Farragut." But he has the support of the Greeks and the old Italians and the renaissance workers as well.

"No one can question the effectiveness of the background of the naval hero on Madison Square. One can fancy the Admiral striding the old ship Hartford, the skirts of his blue coat blown up by the breeze, his cap pulled well down over his eyes and the famous spy-glass in his hand.

"Herein does art realize nature, herein is the natural and characteristic put into plastic form with consummate skill."

A Famous Family of Bronze Workers.

In the March issue of *The Monumental News*, under the caption of "The Duomo Pavement in Siena," attention was given to the initial volume of a series of "Handbooks of the Great Craftsmen," with the purpose of establishing a department in this magazine devoted to the classes of readers for whose benefit *The Monumental News* is published. The series of handbooks has since received two contributions. One is entitled "The Ivory Workers of the Middle Ages," and is written by A. M. Cust. Its title promises much of interest to a sculptural designer. The craft which mediæval artists and princes pursued is indeed a "beautiful craft" and the specimens left by the mediæval carvers to adorn the museums of the great capitals of Europe must furnish suggestions if not an inspiration to the modern plastic artist. And all who are interested in the history of

art (and artists and artisans of the present day are or should be so interested), will find in ivory carving an illustration of the continuity of art from the time of the prehistoric cave men who left behind them incised upon bone, sketches of animals, the product of their leisure moments, down to our own time, surviving in periods that were marked by the almost complete cessation of monumental sculpture.

But Mr. Cust's book is somewhat disappointing in that it does not wholly fulfill the rich promise of its title. There is a total lack of human interest therein. Of the Ivory workers—of "Great Craftsmen"—there is absolutely nothing said. And this too partial treatment of the subject of ivory carving, and the ill-chosen specimens of the art for reproduction by way of illustration, are not calculated to make this book a proper exponent of the "beautiful art," or to make the art itself attractive as a field of study.

In the third volume of the series we have a book that touches the readers of *The Monumental News* so closely as to warrant its being recommended as almost indispensable. The book is entitled "Peter Vischer" and its author is Cecil Headlam, who having written the "Story of Nuremberg" is doubtless well qualified to write of Nuremberg's famous sons, for "Albert Durer's and Hans Sachs' City" was also the city of the Vischer family. And while this book derives its title from Peter Vischer (1458-1529), facile princeps in the realm of bronze among the Germans who have had by nature the gift of working in metals, it fails not to take into consideration Peter's father, Hermann (——-1487),

and his sons, Hermann, Peter and Hans (1488-1549), three generations of Vischers from whose Nuremberg foundry came many of the greatest works of sculpture to claim the attention of students of that subject in Germany.

The Peter Vischer who thus gives title to this book was possibly excelled as an artist by Peter the Younger. Both were regarded in their day as craftsmen—artisans. They learned their "craft" by apprenticeship. Peter the Elder became "Master of his Guild" through the production of a "masterpiece." It is as a craftsman—as a "great bronze founder"—that the book before us treats him. Yet he was an artist, fit to be regarded as a hero in art history, from whose quiet yet conscientious life the artist of the present day might gain inspiration. To present that life with some view of the work it accomplished in a brief paper for *The Monumental News*, from material altogether apart from that furnished by this book, has long been the intention of the present writer. For Vischer's place in the art history of Germany is an important one. In sculpture the transition from the Gothic to the Renaissance was the great note of the latter part of the fifteenth and early part of the sixteenth centuries; and Peter Vischer it was who first struck that note so that it might be heard throughout all Germany.

Handbooks of the Great Craftsmen, edited by G. C. Williamson, Litt. D.

(1) *The Ivory Workers of the Middle Ages*, by A. M. Cust.

(2) *Peter Vischer*, by Cecil Headlam.

Imperial 16mo. with numerous illustrations. London, George Bell & Sons. New York, The Macmillan Co.

Sculptured Spandrel on a Business Building.

The accompanying illustration shows the spandrel over the entrance of the new building of the Union Trust Company, at Providence, R. I. It was modeled by Daniel Chester French and carved in Tennessee marble by Julius Piccirilli, of Piccirilli Bros., New York.

It is a striking piece of ornamentation, and a worthy example of art as applied to a commercial building. It is historical in character, portraying two of the types of people so familiar in early New England.

On one side reclines the figure of a typical Indian, finely-muscled, and outlined against a background of foliage. Over the center of the arch is a design of ornamental scroll work, and on the other side is the figure of a Puritan father. In his right hand he holds an open book, and his left is outstretched as if in gesture.

The entire building shows elaborate color effects and decorative work in marble throughout. The counter front in the banking room is of Siena mar-



SCULPTURED SPANDREL, UNION TRUST BUILDING, PROVIDENCE, R. I.

ble, and is supported by nineteen consoles, decorated with hand-carved heads of gods and goddesses. Walter G. Sheldon, of Stone, Carpenter & Wilson, was the architect, and Clarence Luce, of New York, was in charge of the color decoration.

MONUMENTAL NOTES

The late Henry Windle, of Washington Court House, Ohio, provided in his will that the bulk of his estate, amounting to about \$20,000, should be sold and the proceeds devoted to the erection of a mausoleum in which the bodies of himself and his wife should rest.

* * *

William H. Sage, of Albany, N. Y., will present to Cornell University a memorial to his brother, the late Dean Sage, one of the benefactors of that institution. The memorial will take the form of a stone pulpit, to be placed in Sage Chapel, also a Sage memorial which is to be greatly enlarged and beautified, to conform to the original plans of the donor.

* * *

A bronze medallion memorial of the late John Ruskin was unveiled not long ago in Westminster Abbey by Mrs. Arthur Severn, Ruskin's cousin, in the presence of a distinguished gathering. The memorial is in the Poets' Corner, above the Sir Walter Scott memorial, and beside the Oliver Goldsmith medallion.

* * *

A gigantic "double statue," a structure 175 feet high, representing the human form, is promised as one of the attractions at the St. Louis Exposition of 1904. It is to be constructed of steel and cement, and will have elevators on the interior. It will be designed by A. L. Van den Berghen, of Chicago, if his project meets with favor.

* * *

A Confederate monument, erected by wealthy Englishmen, was recently unveiled near Elkins, W. Va., on the top of Valley Mountain, to mark the graves of a number of Confederate soldiers killed in a skirmish there. The monument is a plain slab of native West Virginia stone, cut and erected by a Confederate veteran of Randolph County.

* * *

The Quivira Historical Society, composed of archaeologists, historians and students of a number of western states, unveiled a monument August 12, at Junction City, Kansas, to mark the spot where Coronado turned back to Mexico after his fruitless search for the seven golden cities in the province of Quivira. The monument is a shaft of polished granite, mounted on a rough stone base.

* * *

A monument was recently unveiled in Allegheny, Pa., to the memory of Benjamin Kellers, a musician of that city. The memorial is 14 feet high, and consists of a polished granite shaft, surmounted by an Italian marble figure of the Goddess of Song, draped in Grecian style, and holding in her left hand a lyre. The monument stands in Weiterhausen Cemetery, and was unveiled with exercises by many singing societies and German social organizations.

* * *

The next Legislature of Kansas will be asked to pass a measure providing for the erection of a state soldiers' monument. The bill, which was passed by the Senate but defeated in the House during the last session, provided for the levy of a tax of one-tenth mill for two years, which would raise about \$50,000. If the bill passes, it is planned to lay the corner stone May 30, 1904, during the celebration of the Kansas semi-

centennial. Col. O. H. Coulter, of Topeka, is one of the leaders of the movement.

* * *

The commission appointed by the state of Ohio has selected sites for monuments to be erected on the battlefield of Antietam in memory of Ohio regiments which participated in that engagement. There are twelve monuments to be erected, for which the Legislature has appropriated \$20,000. One of the monuments is in memory of the late President McKinley, for bravery in delivering provisions to his regiment, the 23d Ohio, while it was on the firing line. Mr. McKinley was then commissary sergeant.

* * *

The Mackay mausoleum in Greenwood Cemetery, in which the body of the late John W. Mackay will be placed, was completed two years ago at a cost of \$300,000. The exterior is of Barre granite, with interior finishings in marble. A large granite cross surmounts the structure, and at each corner of the roof is a life-size symbolic figure. The interior takes the form of a chapel with mosaic floors, and elaborate marble ceiling. Electric lights are lit automatically by the opening of the bronze doors. There are twenty-two crypts in one of which rests the body of Marcus Daly, pending the erection of his family vault.

* * *

The fund of \$50,000 asked by the McKinley National Memorial Association as the contribution of the state of Illinois, has been raised. On August 12, the subscriptions amounted to \$50,128, and as many of the local committees throughout the state still have their lists open, it is expected that the fund will soon amount to \$60,000. The National Association reports that more than half of the \$650,000 desired for the memorial at Canton has been raised, and it is expected that the entire amount will be on hand by September 13, the anniversary of Mr. McKinley's death. The trustees have decided to invest \$100,000 in bonds to provide for the maintenance of the monument.

* * *

At the recent biennial meeting of the Society of the War of 1812, in Boston, an official marker to designate the graves of soldiers of that war was adopted. The emblem consists of a bronze representation of the insignia of the society. These markers will be placed on the graves of the soldiers, in addition to any others that may be placed there by the requirements of a law passed in 1899, requiring the counties of the state of New York to provide headstones for soldiers of the Civil, Revolutionary and Mexican wars and the War of 1812. The Massachusetts Society of Sons of the American Revolution was the first to adopt a bronze marker for soldiers of the American revolution. The state organization has placed over 4,000 such markers in Massachusetts cities and towns.

* * *

Three miles from Boonesboro, Md., stand the ruins of the first monument erected to the memory of George Washington. It was dedicated in 1827, and was then a squat circular tower of rough stone, 15 feet high, and 54 feet in circumference at the base. For 55 years it stood in this form, and was gradually crumbling away, when the Encampment Order of Odd Fellows undertook the work of raising subscriptions and repairing it. Its height was raised to 50 feet, the exterior coated with white stucco, and the whole surmounted by an iron framework. It was again dedicated in 1883, in the presence of 5,000 people, and the local weather bureau observatory was later established beneath its cupola. In 1898 it was struck by lightning and reduced to the heap of stones that is to be seen today.

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The Late Dayton E. Jones.

Dayton E. Jones, of the firm of Jones Brothers, died at a sanitarium, Waverly, Mass., Aug. 14, 1902, after an illness of three years. He was born in Ebensburg, Pa., March 6, 1859, and attended the public schools until nine years of age, when he entered the Soldiers' Orphan School, at Cassville, Pa., graduating at sixteen. He entered the employ of



DAYTON E. JONES.

Jones Brothers January 1st, 1884, and was taken into the partnership January 1st, 1887.

Mr. Jones traveled on the road, selling granite, until January 1st, 1890, when he started the Chicago office for the firm. He remained in that city until May, 1898, when he went to Montpelier, Vt., to have charge of the quarries of the firm, located in Barre. Shortly after his removal to the east, Mr. Jones was afflicted with a disease that baffled the skill of the most eminent physicians of Boston and Philadelphia, and which proved incurable. During his residence in the west, and while on the road, he made many friends in the trade, who will regret to hear of his demise. He leaves a wife and two children.

CORRESPONDENCE

Springfield, Mass.

MONUMENTAL NEWS.

Dear Sirs:

In your August number, under heading "Damages for Lost Monuments," the question is raised as to the liability of railroads for more than the released valuation of 40 cents per cu. ft. When this rating was first adopted, I held that the railroad companies were only released from liability for injury incident to ordinary handling, and where the condition of goods received showed even careless handling the railroad company was responsible for the full value.

A box containing six marble plumber slabs, shipped from Baltimore, arrived here broken into 28 pieces, and the box

completely shattered. I at once ascertained that the goods were shipped, Owner's Risk Released, Valuation Restricted to 40c per cu. ft., but put my claim to the railroad company with a bill for the full value, and upon their reference to the restricted value, contended that they could only apply that in case of damage happening in the course of ordinary transportation or handling, and that where a case, or box, was so completely broken, it gave evidence of most careless handling, or a very bad accident on their part. I believed that the box was dumped off a truck while transported across a track from one car to another, probably striking upon the rails several feet below, or some similar accident, due wholly to careless and unusual handling. The company paid the bill in full.

I hold that goods damaged in a collision, or by a car leaving the track, must be paid for to the full value by the railroad company. I have never yet known of a railroad company resisting payment when claims were made upon this ground; I mean in cases where they were shipped Owner's Risk Released, Valuation Restricted to 40c a cu. ft.

I recently received a shipment of slabs from Knoxville, Tenn., which were shipped in two boxes; the slabs in one box were badly broken, and for the other slabs no boxing could be found when they arrived here, and the local agent said that that was the condition in which they found them in the car. I have put in my claim to the railroad company, and they will undoubtedly pay it.

If a case of marble or granite arrived with the boxing intact and showing no evidence of careless or rough handling, then I should agree that the railroad company was not responsible beyond the restricted valuation, which is nothing. Goods lost in transportation, they are unquestionably responsible for to their full value. I would never make a claim against the railroad company for full value, if shipped released, unless I was entirely satisfied that I should do so fairly and rightfully, and if I believed that, I never would relinquish my claim until I was obliged to. Trusting that this may be of some benefit to somebody, I am,

Yours very truly,

WILLIAM F. COOK.

At a later date Mr. Cook writes: Since writing my letter of the 7th I have had new light on a similar case. Several weeks ago I had a carload of marble in Worcester, Mass., from Knoxville, Tenn., boxed and shipped Owner's Risk Released, Valuation Restricted to 40c per cu. ft. The cartman got the car partly unloaded one afternoon and the next morning found that the two largest slabs in the whole shipment had been tipped over in the night and broken, so as to be worthless. This, he said in the presence of the railroad agent, was done by the railroad company switching the cars during the evening or night. I put in my claim for the full value of the marble and freight on same, and have recently had a letter from the railroad claim agent acknowledging their liability in full. This I think substantiates my claim that railroad companies regard themselves as responsible for the full value where injury or damage occurs in an unusual manner, or in any way aside from the common risks of transportation and handling.

Yours truly,

W. F. COOK.

Porphyry.

A correspondent desires to know where he can buy porphyry. Inquiry at the Geological Department of the United States government, Washington, D. C., fails to elicit information as to the whereabouts of quarries now in operation.

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Recent Inventions for the Trade.

Moisture Proof Coating for Stone.

William A. Tucker, of Terre Haute, Ind., has been granted a patent for a moisture-proof coating for brick or stone, consisting of beeswax, paraffin, Venice turpentine, glue, linseed oil, and coal oil.

(Patent No. 705,625.)

* * *

Pneumatic Tool.

The pneumatic tool shown in the drawing consists of a cylinder in which moves a piston having shoulders, one of which is integral with the piston, and the other in threaded engagement with it. A locking screw H. holds the shoulder in position, and a valve provided with ports moves between

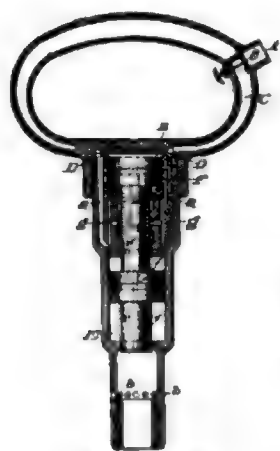
and adapted to embrace the outer end of the brace rod, and nuts on the threaded end are disposed on opposite sides of the flange, the flange having perforations adapted to receive respectively the brace rod and tie wires, and the wires being connected to the post and arranged to pull at right angles to the deflected portion.

(Patent No. 704,915.)

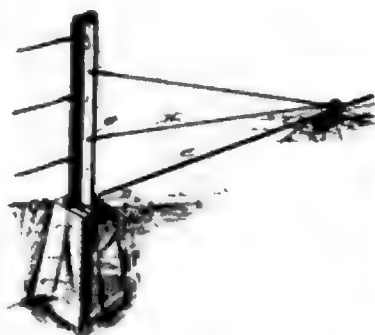
* * *

Process for Forming Statuary.

Felix Peano, of Oakland, Cal., has patented a process of producing statuary and other ornamental structures consisting in building up a sectional cellular body and uniting the sections by plastic material, which enters the cells and forms a



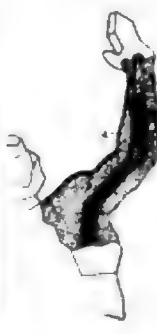
PNEUMATIC
TOOL.



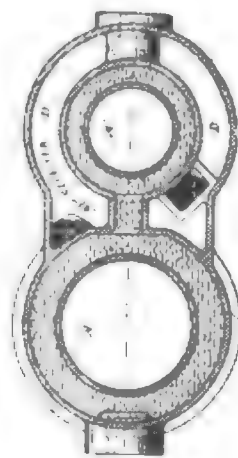
FENCE
POST.



BLASTING FORMING
CARTRIDGE. STATUARY.



BUSH
CHISEL.



AIR
COMPRESSOR.

the two shoulders. The cylinder is provided with inlet ports, and inlet passages, c and d in the piston, lead respectively up and down. Extending to the end of the piston are the ports m and n, and an inlet passage f in the piston enables the valve to be operated. The invention is patented by Nino Pecoraro, Spezia, Italy.

(Patent No. 705,436.)

* * *

A Blasting Cartridge.

The third illustration shows a blasting cartridge patented by Wassily Kirsanov, Moscow, Russia. It is described in the specification as a cylinder with hemispherical bottom formed by a number of tongues the adjacent edges of which cover each other reciprocally, forming at the center a star-shaped opening which is automatically closed as soon as the pressure is applied.

(Patent No. 704,465.)

* * *

Patent Fence Post.

The fence post illustrated was patented by Charles O. Peak, Jacksonville, Ill. It consists of the combination with a fence post of a brace rod, the inner end of which encircles the lower portion of the post and has its opposite end threaded. An anchor block is arranged at a suitable distance from the post and a brace plate formed with a vertical flange is adjustably secured to the brace rod and adapted to rest on the anchor block. A guide eye is rigidly secured to the anchor block

bond or union therewith, then shaping the exterior of the body, and, finally, finishing with an outer coating of plastic material which also enters the cells and forms a bond to retain the outer coating in place. The illustration shows the model for the arm of a statue.

(Patent No. 706,775.)

* * *

A Bush Chisel.

The handle of the bush chisel illustrated is provided with integral ears and formed with a longitudinal groove or channel at its end between the ears. Seated with their tenons in this groove are the tools, which have their cutting edges arranged in zig-zag fashion and a through-bolt for clamping the tools to the ears. J. W. McClure, Richmond, Ind., is the inventor.

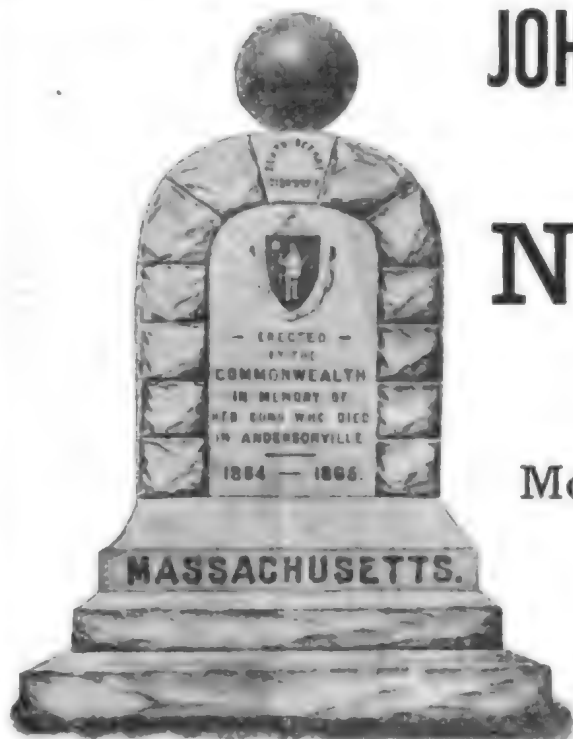
(Patent No. 703,950.)

* * *

Compound Air Compressor.

The invention shown at the right of the drawing is a compound air compressor, provided with an air receiver intermediate of and adjacent to the respective compression cylinders having its inner wall in contact with the circulating water jackets of said cylinders, and cooling jackets inclosing the connecting air spaces, whereby the air is in contact with cooled surfaces during the entire period of its passage; patented by George E. Martin, Philadelphia, Pa.

(Patent No. 706,979.)



Massachusetts Monument at Andersonville, Ga. Cut and Erected by
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ILLUSTRATIONS

Plates in Photogravure Edition.

(Formerly The International Edition.)

- NO. 642. DESIGN FOR MONUMENT, "LEWIS," BY R. C. Blocksom, Boston, Mass. Sizes: Base, 5-0x3-0x1-2; base, 4-1x2-1x1-0; die, 3-6x1-6x2-10; height, 5-0.
- NO. 643. DESIGN FOR MONUMENT, "LITTLE," BY James F. Price. Sizes: Base, 3-3x3-3x1-0; Base, 2-3½x2-3½x0-10; Die, 2-0x2-0x4-3; Height, 6-1.
- NO. 644. THE "DENISON" AND "NEUENDORFER" monuments in Woodlawn Cemetery, New York City. The Neuendorfer is of Westerly granite, and was designed and executed by Peter Celi, Woodlawn, N. Y. The Denison is of Barre granite, designed and executed by Lazarri & Barton, Woodlawn, N. Y.
- NO. 645. SIDE HILL VAULT OF W. L. STRONG, ex-Mayor of New York, Woodlawn Cemetery, New York. Erected from Hurricane Isle granite. H. Q. French, of New York, designer and contractor.
- NO. 646. CROSS MONUMENT, ERECTED TO THE memory of Mrs. Harriet Beecher Stowe, in the burial grounds of the Theological Seminary at Andover, Mass. This monument is a Celtic cross of the fifth century, designed after the style of those found on the Island of Iona, of which Mrs. Stowe was a great admirer. It is of polished red Scotch granite, 12 feet high, simple and impressive in design. It has three bases, the lower of which is 5-0x3-0x0-8, each of which will bear one of the following inscriptions: "A tribute of loving remembrance erected by her children." "Harriet Beecher Stowe—1811-1866." "Her children rise up and call her blessed." The memorial was cut by the New England Granite Works, Westerly, R. I.

Lessing, the German sculptor, has been commissioned to model a statue of Shakespeare which is to be erected at Westminster.

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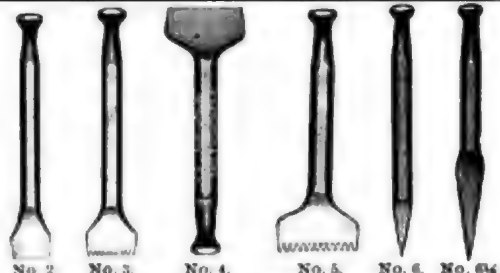
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JOSEPH NEWALL & CO,

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Dalbeattie Granite Works, Westerly, R. I.

Notes of Retail Dealers.

Alabama.

A. J. Wray, of Birmingham, has been awarded the contract for the monument to the memory of the Hotetourt Artillery, to be erected at Buchanan. The monument will be of Chesterfield granite, 23 feet high, and is to be completed in November. It will cost about \$1,100.

Arkansas.

The Confederate monument to be erected in Fort Smith will be built by J. A. Hoffman, The Monumental and Cut Stone Company, of that city.

Canada.

The McIntosh Granite and Marble Co., of Toronto, Ont., have completed the pedestal for the monument to Queen Victoria which is soon to be erected in that city. It is 13.6 by 10.0 at the base, stands nine feet high, and is fine hammered and heavily carved. Two panels designed by J. L. Banks will be placed on it, one showing the Queen's first Council meeting at Kensington Palace, and the other the figure of the Queen on her sarcophagus, with a figure representative of the nation in an attitude of mourning, and winged angels in attendance. In front is a wreath of maple and oak leaves, enclosing the letters V. R. The statue is expected to arrive from London at an early date.

The Coughlin Monumental Co., of Peterborough, have purchased a three-story brick building for their marble works, installed an electric motor, polishing machine, and other new machinery for finishing marble and granite, and are making extensive preparations for an expanding trade.

Alfred E. Bolduc and Omer Bolduc have organized as sculptors and workers in marble and granite at St. Columbia, Que.

Connecticut.

Maxwell Brothers, of New Haven, have the contract for the monument to the 9th Regiment, Connecticut Volunteers, to be erected in Sea View Park in that city. It consists of a shaft of Barre granite 18 feet high, surmounted by the figure of a soldier at parade rest. On the base will be inscribed the names of the battles in which the regiment took part, and the shaft will bear a bronze tablet commemorating the deeds of the soldiers.

Thomas Phillips & Son, of New Haven, have the contract for the soldiers' monument to be erected at Wallingford. The dedication ceremonies have been set for October.

Secombe Brothers, of Ansonia, are reported to be enjoying a very busy season. They have a number of important monumental contracts on hand, one of which is to go to Rockville, and have been awarded the contract for the cut stone for the new Episcopal church, to be built at Shelton.

Georgia.

W. F. Womble, formerly of Quitman, will open a marble yard at Dublin. He will handle principally Georgia and Italian marble stock.

Illinois.

E. E. Bradley, formerly of Altamont, has removed to Effingham.

A. F. McEwen, of Litchfield, has the contract for the monument to be erected in Oak Grove Cemetery, at Hillsboro, by the Woman's Relief Corps, in memory of soldiers and sailors of the Civil War. The monument will be 18 feet high, and will consist of a shaft surmounted by the figure of a soldier at parade rest.

Fisk & Spencer succeed H. O. Spencer at De Kalb.

A. W. Kilgore has bought out the interest of his partner in the firm of Kilgore & Bollen, at Geneseo, and will conduct the business alone.

The Macomb Marble and Granite Works are offered for sale by the wife of the late proprietor. This is a good opening.

Iglehart & Co., of Rock Island, have bought the business of A. S. Wright, at Moline.

Indiana.

August Diener, of Indianapolis, recently erected a white marble marker over the grave of Doc Lung, a Chinaman who was murdered in that city and buried in Crown Hill Cemetery. The inscription is cut in Chinese, and inlaid with gold leaf. The inscription was written by another Chinaman, and the characters traced on the stone with a stylus.

Henry Beard, of Bloomington, has bought a half interest in the monument business of John Henderson at Spencer, and will move to that town.

Jacob Vitts, of Lafayette, has filed a petition in voluntary bankruptcy. Liabilities, \$2,416; assets, \$907.

Carroll & Fogelsong are new dealers at Elmhurst.

Iowa.

C. F. Arnold, of Jefferson, has the contract for the soldiers' monument to be erected in that city by the Woman's Relief Corps. The memorial will be of Bedford stone, 14 feet high, and will consist of a pedestal surmounted by the life-size figure of a soldier at parade rest.

C. C. McCann has succeeded A. T. McCann at Bloomfield.

E. Nutter and S. A. Easterly have formed a co-partnership under the firm name of Nutter & Easterly, at Carroll.

C. E. Bommer, of Des Moines, recently erected a monument of dark Barre granite, 23 feet high, on the lot of James Callahan, in the cemetery in that city. It consists of a shaft surmounted by a life-size female figure.

P. W. Wiggert, of Ida Grove, recently equipped his plant with some new machinery, including a gasoline engine, pneumatic tool outfit, and a granite polishing machine.

O. M. Burrus, of Burlington, will make extensive improvements in his plant. He will erect new buildings, install new machinery, and add general stone-sawing and carving to his monument business.

"I am very busy," writes J. R. Tandy, Waterloo, Ia. Among a number of good-sized monuments recently finished was a thousand-dollar job at Rembeck, Ill.

Kansas.

Geraughty & Textor, of Leavenworth, have the contract for the erection of a Quincy granite monument to the memory of Samuel F. Burdett, who was Grand Secretary of the I. O. O. F. of Kansas from 1861 to 1890.

W. A. Sturgeon, of Dodge City, has sold the Dodge City Monumental Works to T. P. Kingrey, who first established the business there.

A. W. Smith, of the Hutchinson Marble Works, at Hutchinson, has been visiting other plants in the state with a view to making improvements in the shape of new machinery and equipments.

Kentucky.

The Peter & Burghard Stone Co. are building a new and thoroughly up-to-date manufacturing plant. The Granite Cutters' Journal states that the shed will be 400 feet long, 40 feet wide and 32 feet high, and extend from 13th to 14th Sts. It will have an electric traveling crane of 20 tons capacity, and be first-class in every respect. All of the manufacturers in that city have signed the granite cutters bill of prices.

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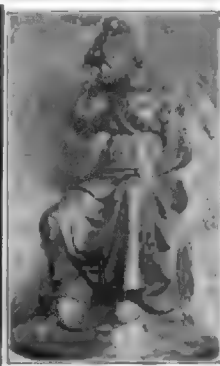
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reasonable prices.My plant is equipped with all the latest eco-
nomical Stone Working Machinery.**F. M. LADD,**

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New London, Conn.

Maine.

Charles Worthley has purchased a site in Norridgewock and will open a shop there.

H. F. Collins, of Houlton, whose plant was recently destroyed by fire, has resumed business. He is temporarily located in the sheds of Billings & Watts.

Massachusetts.

Among the monuments recently erected by C. H. German & Son, of Worcester, was one of Troy white granite, placed in St. John's cemetery. It consists of a cylindrical shaft, with a dome-shaped cap surmounted by a Celtic cross. It is twelve feet high with a lower base, six feet in diameter. Four polished tablets, bearing the inscriptions, are on the shaft.



MACKEY MONUMENT, SOUTH HAVEN, MICH.

The soldiers' monument recently unveiled during the celebration of Old Home Week, at Melrose, was furnished by Joss Bros., of Quincy. The monument was erected by the city, under the direction of the local G. A. R. post, and was unveiled with elaborate exercises. It is a unique adaptation of the cannon monument, consisting of a round granite pedestal, seven feet high, and seven feet in diameter, surmounted by three thirty-pound Parrott guns, 9½ feet long. The guns are placed in the form of a tripod, with muzzles up, and are surmounted by a large percussion shell which holds the muzzles together. On the pedestal, between the guns, is a pyramid formed of 35 cannon balls, and other large shells are placed about the lot.

Michigan.

Walter & Hodge, of St. Johns, have recently installed a pneumatic tool outfit, and are doing a large and growing business in towns in that vicinity.

C. D. Reynolds has succeeded J. R. Corwin at Union City.

M. S. Dart, secretary of the Michigan Marble and Granite Dealers' Association, would like to hear from dealers in the state relative to holding a meeting of the association this fall. His address is 916, 16th St., Detroit.

The Mackey monument, illustrated on this page, recently erected by A. Black & Son, of Grand Rapids, Mich., in Prospect Hill cemetery, at South Haven, for a prominent merchant, is a beautiful memorial. It is made of Barre granite, including the statue of "Hope," and is similar in design to the Filer monument, erected some years ago by the same firm. The front and back of the lower die are elaborately carved with oak and laurel leaves. The dimensions of the monument are as follows: Base, 10.0 x 6.0 x 2.0; second base: 8.0 x 4.0 x 1.6; lower die: 7.0 x 3.0 x 4.6; upper die: 2.6 x 2.6 x 3.0; cap: 3.1 x 2.11 x 2.0; statue, 1.8 x 1.8 x 7.0. Total height, 20.0. The monument is probably the finest memorial in Southwestern Michigan. Mr. Frank D. Black, of the above-named firm, recently returned from the Barre quarries.

Bauer & Beemer, Muskegon, have put in a polishing plant.

Philip Christa, of Detroit, one of the oldest sculptors and dealers in the state, died recently of heart failure, at the age of 71 years. He opened his first shop in a shed where the City Hall now stands, 45 years ago. For the past 20 years he has been supplying marble for interior building work, and has one of the largest establishments in the state. He was born in Bavaria, Germany, and studied sculpture in Munich. He leaves four children.

Minnesota.

Joseph Bourgeault has established the Duluth Cut Stone Co., at Duluth. He has fitted up an extensive plant with all modern machinery for handling and cutting stone, and has a number of large contracts for building work on hand.

The Northwestern Marble Works, of Crookston, have incorporated under the name of the Crookston Marble Works. Capital stock, \$50,000. The incorporators are J. O. and J. J. Sundt, P. M. Ringdal, F. R. Hamel, and John Cromb.

The Crookston Marble and Granite Works, of which Nesner Jack and Richards were proprietors, has dissolved. H. E. Nesner has bought out the company, and will continue the business, with Charles Bourdon as a partner. Jack & Richards will also continue in business under the name of the Crookston Monumental Works.

Luckemeyer Brothers, of Melrose, recently started a branch yard at Grand Forks, North Dakota. They are also operating granite quarries at St. Cloud, Minn., and doing a good business.

Eugene Osborne, of Lesueur, reports an excellent trade this season.

Mississippi.

The Dixie Marble Works, H. J. McGrath, prop., Hattiesburg, writes that business is good with a favorable outlook for the future. They are at work on several large monuments, and have the contract for the stone and marble front on the new Citizens' Bank building, to be erected in that city.

Missouri.

R. E. Farley, formerly of Farley & Sons, marble dealers at Columbia and Sedalia, was in Chicago last month. Mr. Farley says the crop prospects in Missouri were never better, and the outlook for a fine fall trade is very encouraging. During the spring and summer Mr. Farley has been on a trip



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I wish to call the attention of Marble and Granite men to a plant in a live Eastern city, within two hours ride from New York or Philadelphia, Pa., having several railroads and also canal transportation and which is exceptionally well located for doing a very large business, both wholesale and retail. Being within easy reach of many large cities it would be a good location for the sawing and finishing of interior marble work as well also as doing a very large monumental business in Granite and Marble.

The plot of ground is about 200x150 feet, running through from street to river, and fronting 150 feet on each and has a railroad siding, and also facilities for unloading and loading boats. The mill contains boilers, 30 H. P. engine, 3 large gangs, 3 rip saws, Hawley sand feed, rubbing bed, 2 polishing machines and a power hoist to run a derrick of 20 tons capacity. The mill and cutting shed is heated with exhaust steam. In addition to the above the property includes derricks, office building, barn, horse, wagons, tools, etc. There is also a stock of Granite and Marble on hand. The plant is in complete running order. A favorable proposition to lease will be entertained.

If any party or parties wish to investigate this matter, and will write me, I will place them in communication with the owners of the plant.

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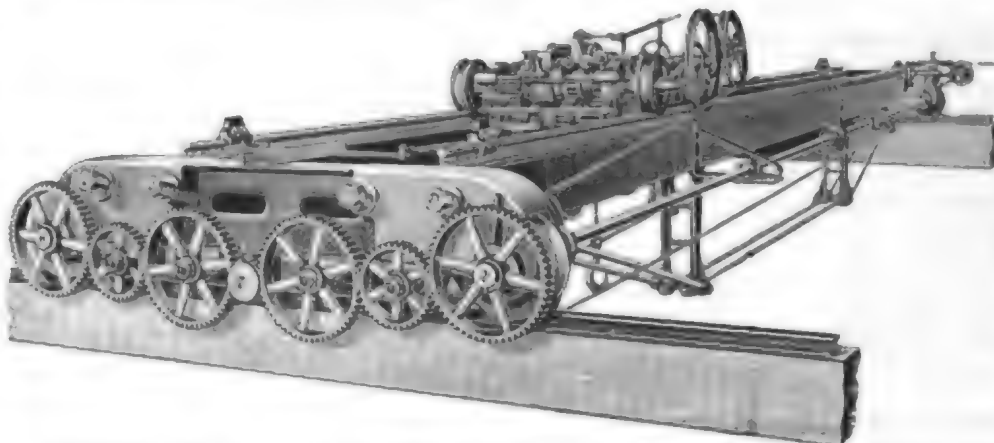
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to the coast, handling furniture, and says he is inclined to regard household furniture a more promising field than graveyard furniture, and may continue in the former business.

C. S. Baker, of Mount & Baker, at Memphis, has bought out the interest of his partner and will continue the business alone.

M. H. Rice, of Kansas City, has the contract for the erection of a monument to the memory of policemen of that city who have lost their lives in the discharge of duty. The monument, which is illustrated on this page, is of Barre granite, 12 feet high, and of the following dimensions: Base, 4-0 x 6-0 x 1-6; second base, 2-6 x 4-6 x 1-6; die, 3-6 x 5-0



MONUMENT TO POLICEMEN, KANSAS CITY, MO.

x 1-6; cap, 2-0 x 2-0 x 3-8. The die will be polished, and inscribed with the names of policemen honored, and on the capstone will be carved a laurel wreath. The memorial will cost about \$700.

Montana.

The Butte Marble and Granite Co., of Butte, has been incorporated by F. D. Kitchen, A. Pascoe, and W. H. Martin; capital, \$10,000. It will succeed the Kitchen Marble Works.

New Hampshire.

Ross Clifford has recently started in business at Norwich.

New York.

The Hellgate Marble Co., of New York City, has been incorporated with a capital of \$3,000. The directors are: Wm. Greenhalgh, E. J. Smiden, and Margaret Landon.

The Matland-Armstrong Co. of New York City, are making extensive repairs in the Gordon McKay mausoleum, in Pittsfield, Mass. The structure was built ten years ago, at a cost of \$50,000, and the mosaic has recently been falling from the walls and roof.

E. T. Perry succeeds E. W. Mack at Oneida.

Ohio.

A. M. Smith, of Findlay, will erect a mausoleum on the family lot of the late Adam Fullhart, in Maple Grove cemetery in that city. It will be 11 by 14 feet, and fourteen feet high, and will cost \$2,500.

The Hughes Granite and Marble Co., of Clyde, has been awarded the contract for the erection of thirty-eight monuments on the battlefield of Vicksburg, for the state of Ohio, at a contract price of \$40,000. W. E. Hughes has resigned as manager of the company, and has been succeeded by Frederick Curtis.

M. R. Wood, of Wellington, has the contract for the erection of the soldiers' monument at La Grange.

Hatz & Eby, of Piqua, recently erected a monument in Forest Hill cemetery in that city in memory of Judge John C. Geyer. It is 18 feet high, and of attractive design.

Pennsylvania.

J. B. Reinhalter & Co., of Philadelphia, have the contract for the erection of a mausoleum in Dunmore cemetery, Scranton, for the estate of the late John Jermyrn. It will be of Barre granite, and will cost \$20,000. The new manufacturing plant of this company at Barre, Vt., is nearing completion, and will soon be in operation. This company has no connection with the Reinhalter Memorial Co., of Pittsburgh, as was incorrectly stated in these columns last month.

The granite and marble works of Martin Canfield, at Honesdale, recently sustained severe damage by fire. Much valuable machinery was destroyed, but the loss is fully covered by insurance.

Charles G. McLain has succeeded John S. Moore at Brookville.

Tennessee.

It is reported that a monument which marked the grave of the Rev. James Torbet, at Blountville, was taken down and removed from the cemetery because it was not paid for.

Morris Brothers, Memphis, have suffered another loss from a fire that destroyed their marble manufacturing plant during July. The loss is said to approximate \$12,000. A new building is nearly completed.

F. H. Venn, of F. H. Venn & Co., Memphis, is on a trip to Europe, accompanied by his family.

Dewey & Troxler, of Tullahoma, have retired from business.

J. W. Gooch & Co., of Waco, recently suffered a loss of \$1,500 by fire, with no insurance.

Washington.

The Northwestern Granite Co. has been incorporated at Walla Walla, with a capital stock of \$10,000, to manufacture granite monumental work. The company is the first to be incorporated in that field in the state. The quarries and works are at Haines, Ore., and the principal territory of the company will be Oregon, Washington, and Idaho. A. Vinson is president and manager, and V. C. Brock, secretary and treasurer.

Wisconsin.

James Archie & Son, of Watertown, have the contract for a monument for Lieut. Gov. Stone, to be erected in that city. It will be six feet square at the base, and ornamented with elaborate carved work. Among their recent work were the following: An obelisk of Wisconsin granite, 25 feet high, mounted on a base of Barre granite, 6 feet square, erected on the lot of George Bullen, in La Belle cemetery, at Oconomowoc, and a Barre granite monument 19 feet high, surmounted by a symbolic figure of Peace.

Henry Haertel, of Stevens Point, has secured the contract for the erection of a mausoleum in the cemetery at Grand Rapids for Mrs. John Daly. It will be of Bedford stone, and will contain nine crypts.

The Charles Groetzinger Granite Co., of Chilton, erected the soldiers' monument recently unveiled in that city as a gift from Anton Kocher.

The soldiers' monument at Beloit, dedicated during the reunion of the Rock County soldiers, August 28, was erected by A. S. Jackson, of Beloit, from granite furnished by Jones Brothers, Barre, Vt. It is 56 feet high, and stands in the park in front of the Court House. It cost \$8,473.12, and consists of a shaft surmounted by the figure of a soldier at parade rest. The base is 14 by 14, by 2 feet, and the total weight of the monument is 151 tons. Mr. Jackson has issued an attractive advertising blotter, bearing an illustration and description of the monument.

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At the QUARRIES

Barre, Vt.

(From Our Regular Correspondent.)

August was a busy and prosperous month. There was plenty of work for all the firms and all cutters and their helpers. The weather, while unfavorable to the farmers, was delightful for all other kinds of labor. Not an hour was lost on account of the heat, as frequently has happened in other seasons. The abundant rains have kept the roads in fine condition for teaming, of which the quarries have taken full advantage. The exchange reports the volume of business, both estimates and contracts, as about the same as for July.

The railroads here have modified their orders as to charges for small shipments and setting cars on sidings at the sheds in some minor particulars, which makes them a little less onerous. The roads now share the expense of carrying small shipments.

The newly organized Barre Granite and Paving Co. has received a large order for paving for Worcester, Mass., which it will fill at once. It is reported, also, that Morse & Eagan have a large contract from Massachusetts parties.

E. L. Smith & Co.'s engine house and blacksmith shops at their light quarries were destroyed by fire July 31st, causing a considerable loss on machinery. By piping from their compressor at another plant they were able to resume drilling the next day, but it took a longer time to repair their hoisting machinery. The next morning T. W. Eagan's quarry suffered in the same way, entailing a loss of several thousand dollars. Both plants are now in full working order.

Chas. W. McMillan, of McMillan & Stephens, is on a pleasure trip to his former home in Scotland.

Mr. Dayton Jones, of Jones Bros., died in Boston, Mass., Aug. 12, after a long illness.

Mr. Alexander Gordon, of Marr & Gordon, has been nominated by the "regular" Republicans to represent the city in the next Legislature.

Fontana Bros., granite manufacturers of Williamstown, Vt., recently made an assignment in favor of James K. Lynde, of that place. Their liabilities are \$14,000 and assets \$7,000. It is expected that business will soon be resumed under the assignee. The firm moved to Williamstown from Barre about a year ago, and have been employing about 60 cutters.

Quincy, Mass.

(From Our Regular Correspondent.)

The most notable event in last month's trade happenings was the annual outing of the Granite Manufacturers' Association, which was held at Crescent

Park, R. I., Saturday, August 16th. Ideal weather favored the 200 excursionists and a day of rare enjoyment was spent at this popular resort on the Providence river. A special train conveyed the party to and from Boston and an efficient committee saw to it that no obstacle hindered the individual getting a surfeit of the good time available. As on former occasions, baseball proved a favorite pastime and, once in the park, the diamond was monopolized.

The married and single men tried conclusions in the morning, but the benedicts soon discovered that they had lost their cunning in manipulating the leather-covered sphere. Honors went to the bachelors by a score of 21 to 14, but the younger element had a foe worthier of their caliber in the afternoon game, as the report will show. After the sports of the morning and when appetites were whetted to a keen edge, the announcement of dinner at 1:30 was received with eclat. An appetizing menu had been prepared and was disposed of in short order. President Harry Nicoll occupied the seat of honor and when cigars were lighted, opened the post-prandial exercises. Harry is a past master in the art of conducting after-dinner exercises and introduced each speaker with choice and happy remarks. Henry McGrath was introduced as the oldest member of the organization, not in years, but in term of membership. Mr. McGrath was in a reminiscent mood and spoke briefly of preceding outings, particularly the first one held twenty-three years ago. Ellsworth Morgan, James Elcock and A. M. Hunt, of *Granite*, each in turn had words of encouragement for the trade. When Fred L. Jones was introduced as "the next mayor of Quincy" enthusiasm knew no bounds. Mr. Jones responded gracefully and judiciously refrained from talking politics. He advised the granite men to get together and purchase one or more quarries outright, otherwise stock curtailment would become a serious bane to the trade. He opposed trusts in general and particularly the granite trust as it exists at present in Quincy. He had only words of praise for the managers of the syndicate, but thought that trade would prosper proportionately to the amount of quarries owned by the individual manufacturer. In closing the speaker eulogized the late President Alexander Marnock and told that it was he who labored incessantly toward bringing this matter to the attention of the manufacturer. Before the close of the speech-making the older members issued a challenge to the morning victors at baseball. The same being accepted, a majority repaired to the field to watch developments.

The game was easily the feature of the day's sport and honors went to the vets. by a score of 19 to 4. It was called at the end of the fifth inning.

The genuine fun achieved and the innocent bantering indulged in made up for stiffened joints and gen-

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Ola Anderson.

(At the Quarries—Continued.)

eral all gone feeling prevalent on the days following the outing. It was a tired but good-natured crowd that wended its way trainward at 7 p. m., and it was the universal verdict that the twenty-third outing surpassed in every particular its twenty-two predecessors.

The full meed of praise for the happy outcome must go to the following committee: Harry S. Nicoll, William T. Spargo and Thomas F. Burke.

The County Commissioners of St. Joseph County, Indiana, have awarded the contract for the Soldiers' Monument, to be erected at South Bend, Ind., to McDonnell & Sons of this city. The firm's design secured the first prize of \$500 several months ago, and although they were underbid on the general contract, amounting to about \$25,000, they were successful in securing same, the Commissioners having more confidence in their ability to fulfill their wishes. The firm last month also secured the order for the pedestal for the large Pingree memorial at Detroit, Mich., and the Lantz mausoleum for Buffalo, N. Y. The latter will be an exact reproduction of the Nike apteros at Athens, measuring 31 feet by 17 feet on the ground.

The Quincy Monumental Co., J. H. Bishop, proprietor, has lately erected a monument over the burial place of "Patsy" Kerrigan, who in life was a top-notcher in the pugilistic world. The monument is cut from dark

Quincy in cottage design, and stands 12 feet high, resting on a bottom base 4'x4'. A large bronze bust of the fighter, encircled by a wreath of laurel, surmounts the memorial. Same was lately unveiled in Holy Cross Cemetery, Malden, Mass.

Mr. Daniel Harrington, of the firm of Harrington & Mallory, Saratoga Springs, N. Y., was in town during the past month. Mr. Harrington's annual visits here are always looked forward to with pleasure by several local manufacturers, and, as on former visits here, he placed a bulk of substantial orders.

Following are the granite shipments in pounds from the various depots during the month of July: West Quincy, 5,537,520; Quincy Granite Quarries Co., via Quarry R. R., 1,770,620; Quincy Adams, 4,853,745; total, 12,161,885 pounds.

The Granite Manufacturers' Association held its annual meeting Tuesday evening, August 12th, and elected the following officers: President, Harry S. Nicoll; vice president, Thomas F. Mannex; treasurer, James Joss; secretary, Thomas J. Dunphy; executive committee, Harry S. Nicoll, Thomas F. Mannex, James Joss, John C. Murray, William T. Spargo, Alexander Falconer, P. T. Fitzgerald, Henry McGrath, Robert Meyers; membership committee, Thomas W. Smith, John A. McDonnell, Robert Meyers, Fred Barnicoat, P. W. Driscoll.

Quarry Notes.

The Norcross Marble Co. will erect a cutting plant in connection with their marble mill at Manchester, Vt.

Edward J. Goss, of St. Johnsbury, Vt., has filed a petition in bankruptcy, with liabilities of \$5,499.30, and assets of \$3,252.72, of which \$975 are claimed exempt.

The Montana Marble and Mining Co., owning marble property near Helena, Mont., has been incorporated, with a capital of \$1,250,000. Judge G. W. Belt, W. Y. Pemberton, formerly Chief Justice of the Supreme Court, and others are incorporators.

Reports of a strike involving 500 men come from the Bedford, Ind., quarries. The cause was a reduction in the wages of the sawyers from 18½ to 16½ cents an hour. The Hoosier Quarry and the Robin Roost quarries are said to be most directly affected.

Quarrymen and derrickmen employed by the Gouverneur Marble Co., Gouverneur, N. Y., about eighteen men, struck early in August for an increase of wages from \$1.25 to \$1.50 a day, and a few men of the Davidson quarry at that place are also reported to have gone out for the same reason.

A strike involving 64 men in the employ of the Maryland Granite Co., at Guilford, Md., during July, is said to have been due to a misunderstanding between union officials and members of the company over the wage scale to be adopted, and it is probable that a settlement will soon be effected.

The Northern Consolidated Granite Co. has been organized at St. Cloud, Minn., with a capital stock of about \$150,000. The concern is said to have absorbed a number of granite properties in that vicinity, including the Arnold Granite Co., and will open up others and put in a complete equipment for granite quarrying.

The Chas. H. More Granite Co. has been chartered in Oklahoma to quarry, manufacture and deal in granite and marble, with offices at Granite, Oklahoma, and Topeka, Kas. Chas. H. More, of Montpelier, Vt., and a number of western capitalists are the incorporators. The company is capitalized at \$30,000.

The limestone quarries of S. O. Miller, near Thomasville, Pa., are being examined by experts, and are reported to show a fine quality of stone, extending over a twenty-seven acre tract of land. The stone has been used for building purposes for a number of years, and preparations are being made to push its development.

Receivers have been appointed for the Cape Ann Granite Co., incorporated under the laws of Maine, and operating quarries at Gloucester and Rockport, Mass. M. Dickinson and R. F. Herrick are the receivers appointed, and will continue the business of the company. The present embarrassment is expected to be only temporary.

The Tennessee Variegated Marble Co. has been incorporated in New Jersey for the purpose of developing quarry property near Knoxville, Tenn., with a capital stock of \$600,000. The following are the officers: C. M. Henley, president; W. B. Gamble, vice-president; J. R. Booth, secretary and treasurer. The stock is said to be largely held in Columbus, O.

Officers of the Chewelah Marble Co., with quarries near Northport, Wash., have been visiting the East for the purpose of getting new machinery and equipment. A complete outfit for finishing marble, including engines, boilers, compressors, drills, rubbing beds, saws and polishing machines, valued at about \$40,000, is expected to be in operation in about two months.

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If you do not use posts don't forget to look for our ad. next month, as we shall endeavor to bring before the trade something in the monumental line which will be worth your time to investigate.

Yours truly,
BRANDON ITALIAN MARBLE CO.

PROPOSED MONUMENTS

LAKE GEORGE, N. Y.—The New York State Historical Society, in conjunction with one of the chapters of the Daughters of the American Revolution, is raising funds for the erection of a monument in the Lake George Battle Park.

ATLANTA, GA.—Friends of Dr. Walter K. Johnson, who recently died here, have formed an association for the erection of a monument in recognition of his philanthropy among the poor. The memorial is to be erected in Spring Grove Cemetery, Cincinnati, Ohio, where he is buried.

MINNEAPOLIS, MINN.—A movement has been started here to erect a monument to the memory of Scandinavian soldiers who were killed in the Civil War. The plans contemplate the raising of \$40,000.

HAGERSTOWN, MD.—A movement has been started by Meditary Lodge of Masons for the erection of a monument to Gen. Otho Holland Williams, a friend of General Washington and a Revolutionary hero. A committee has been appointed, and Congress is to be asked to aid the movement.

JACKSON, MICH.—General W. H. Withington, a veteran of the Civil War, has offered to donate to this city a monument to soldiers of that war, and the Jackson Literary and Art Association has offered a site. The City Council is considering the proposition.

HARTFORD, CONN.—Scotchmen of Connecticut have inaugurated a movement for the erection of a monument to Robert Burns, to be erected in Hartford, at a cost of about \$8,000. Rev. J. B. Connell is one of the leaders of the movement.

SPRINGFIELD, ILL.—A movement is on foot for the erection of a monument to Richard Yates, father of the present Governor of the state, who was Governor from 1861 to 1865. The site proposed is in Oak Ridge Cemetery, near the monument to Abraham Lincoln.

PHILADELPHIA, PA.—The committee on design of the McKinley Memorial Association of Philadelphia has issued a program of competition inviting sculptors to submit sketch models for the McKinley monument, to be erected in Fairmount Park at a cost of \$30,000. The five best designs will be given each a prize of \$500, and from these the final award will be made. Models must be in plaster, on



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(Proposed Monuments, Continued.)

a scale of 1½ inches to the foot, and must be submitted between February 2, and March 2, 1903, to the secretary, Leslie W. Miller, 320 S. Broad street, Philadelphia.

DETROIT, MICH.—The commission appointed by the Governor of Michigan to select a suitable memorial to soldiers of that state who served in the Civil War, the Spanish War, and the campaign in the Philippines, have issued invitations to sculptors and architects to submit sketches for either an arch with appropriate reliefs and bronze figures, a memorial hall, or a monument. The memorial is to be erected on the capitol grounds at Lansing, and is to cost \$250,000. Designs must be submitted by October 1st, and should be sent to the Secretary of the Commission, Daniel J. Campau, 22 Campau Building, Detroit, Mich. The commission does not expect detailed specifications, but merely a design with sufficient description to enable them to judge of its merits.

NEWARK, N. J.—The commission appointed for the erection of monuments to New Jersey troops on the battlefield of Antietam, has been given full power to select design and erect the memorials. The contract for the principal shaft will include the designing, execution, transportation, and erection complete, and will be awarded to the best bidder, the work to be confined as far as possible to residents of the state. James O. Smith, of Newark, is chairman of the commission.

BIRMINGHAM, ALA.—A movement has been inaugurated by members of the congregations of the late Rev. E. H. Hawkins, at this city, Bessemer and East Lake, to erect a monument to his memory. E. M. Oliver, of Birmingham, is chairman of the Association.

NEW YORK, N. Y.—Application will soon be made for permission to erect in front of the County Court House a life-size statue of the late Justice Noah Davis. It is proposed to raise a fund of \$15,000. Judge Roger A. Pryor is at the head of the committee in charge of the work.

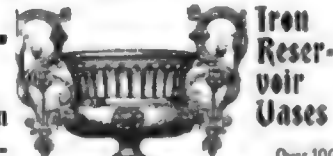
A committee of Filipinos has recently been formed in Manila for the purpose of erecting a monument to Dr. Rizal.

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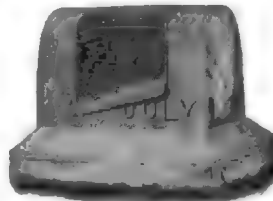
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(Proposed Monuments, Continued.)

the Filipino patriot, author, and poet. It is desired to raise about \$45,000, and an American committee has been appointed to assist in raising funds in this country. Mayor Seth Low, of New York, is chairman of the committee.

CHICAGO, ILL.—It has been proposed by prominent Catholics to erect in some public place the marble statue of the late Archbishop Feehan which was part of the archdiocesan school exhibit at the World's Fair. The entrance to the cathedral of the Holy Name is suggested as a site. The statue is now the property of the archbishop's sister, Mother Mary Catharine, of St. Patrick's Academy.

ST. LOUIS, MO.—Friends and descendants of Gen. William Clark, one of the early explorers of the Louisiana Purchase territory, are to erect a monument over his grave in Bellefontaine Cemetery in this city. John O. Clark, 5344 Cabanne Ave., St. Louis, is in charge of the movement.

BOSTON, MASS.—The commission for the selection of a design and site for the monument to be erected by the state of Massachusetts on the battlefield of Vicksburg has been appointed by the Governor. Assistant City Clerk John T. Priest, of Boston, is a member of the commission.

FLORENCE, ALA.—The Ladies' Memorial Association and the local chapter of the Daughters of the Confederacy are raising funds for the erection of a soldiers' monument. The fund is within a few hundred dollars of completion. Mrs. A. M. O'Neal is treasurer.

FAYETTEVILLE, N. C.—An association has been formed for the erection of a monument at Liberty Point in this city where the patriots assembled in 1775, to protest against British tyranny. Hon. E. R. McKeethan is one of the leaders of the movement.

WARRENSBURG, MO.—The local chapter of the Daughters of the Confederacy is engaged in raising a fund of \$5,000 for the erection of a Confederate monument here.

MILWAUKEE, WIS.—A movement is on foot here for the erection of a memorial to Christian Wahl, a former park commissioner. It is the intention to

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(Proposed Monuments, Continued.)

raise \$2,000 for a bronze bust to be placed in Lake Park. Col. Gustav G. Pabst is in charge of the subscriptions. COLUMBUS, O.—The Grand Army posts of the state of Ohio are to unite in raising funds for the erection of a monument to General William H. Gibson, who died four years ago at his home in Tiffin, O. Department Commander Walton Weber, of Columbus, is at the head of the movement.

BALTIMORE, MD.—The Schley Triumphant Arch Association has been incorporated, to erect a triumphal arch to Admiral Schley. The arch is to be placed in one of the parks or principal thoroughfares, and is to be designed by a native of the state of Maryland and erected by Maryland labor. Dr. Melcher Ekstromer is secretary of the association.

ASHBURNHAM, MASS.—Col. Melvin O. Adams, of Boston, has offered to present this town with a soldiers' monument to cost not less than \$5,000, to be erected on a tract of land which the town is to purchase.

SALEM, N. Y.—A fund has been started for the erection of a memorial to the memory of Col. A. L. McDougal, of the 123d New York regiment. John King is treasurer of the association.

MARQUETTE, MICH.—The committee on arrangements for the coming celebration of the anniversary of old Fort Michilimackinac, near this city, has recommended that a monument 100 feet high be erected on that historic site. The fort was, during the eighteenth century one of the most important outposts in the Great Lakes region west of Montreal. Hon. Peter White is chairman of the committee.

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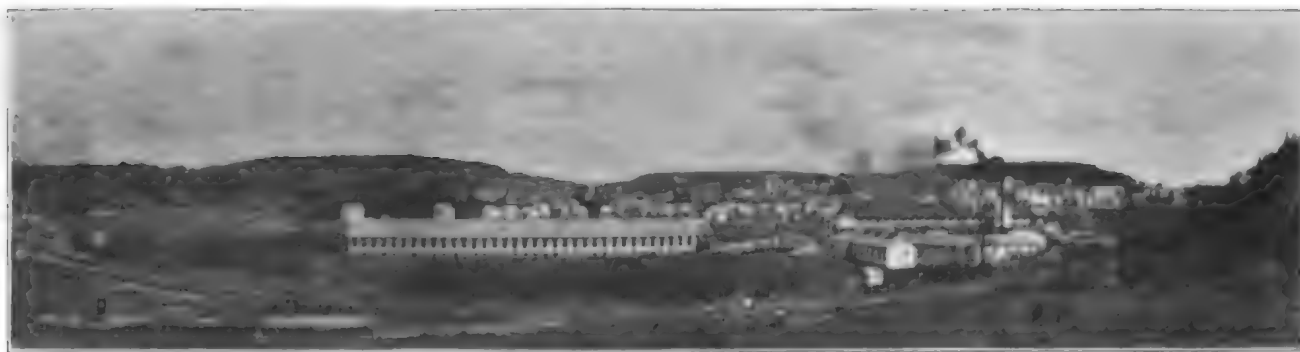
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Mention

The Monumental News.



BIRDEYE VIEW OF THE TOWN OF HARDWICK, VT. MANUFACTURING PLANT OF THE WOODBURY GRANITE CO. IN THE FOREGROUND.

What Our Advertisers Are Doing.

Canton Brothers, granite manufacturers, Barre, Vt., expect to move into their new plant this month. It will be modern in every particular.

* * *

A well-equipped polishing mill is being added to the granite cutting plant of A. M. Deane & Co., Quincy, Mass. This company makes a specialty of Quincy granite.

* * *

Correll & Burrell, manufacturers of Indiana oolitic stone, Odon, Ind., are engaged upon a soldiers' monument for the Oklahoma City Marble Works, Oklahoma, Ok. It is being made of buff Bedford stone, and will cost \$1,800.

* * *

The Georgia Marble Finishing Works, Canton, Ga., is making an addition to its plant in the form of a new stock room to be 105 by 62 feet. The enlargement was made necessary to meet the demands of a growing trade.

* * *

The Harrison Supply Co., of Boston, Mass., importers of Scotch iron and Aberdeen grit, has appointed Forsyth & Ingram, of Barre, Vt., agents for their supplies in that city and vicinity. This firm does an extensive business in and around Barre in granite polishers and quarries supplies, and represents several large manufacturers of such material.

* * *

The Woodbury Granite Co., Hardwick, Vt., has the contract for furnishing the granite for the pedestal of the monument to the late Governor Roswell P. Flower, to be erected at Watertown, N. Y. The pedestal will be 4½ feet square at the base, and six feet seven inches high. It will be surmounted by a bronze statue, modeled by Augustus St. Gaudens, and surrounded by an ornamental coping, with an opening in front, flanked by two granite eagles.

* * *

Among the important works now being executed by the Jno. Williams Bronze Foundry, New York, are two cast bronze doors for St. Bartholomew's Church, in that city. They are a gift of Mrs. Cornelius Vanderbilt, in memory of her husband; one of them was modeled by Daniel C. French and the other by Herbert Adams. They have also in preparation the casting of the bronze doors for the Boston Public Library, on which Daniel C. French has been engaged for a number of years.

* * *

W. A. Lindsey, president of the W. A. Lindsey Co., of Pittsburg, Pa., was in Chicago last month, installing a branch

office in this city, which he has located in the Unity building, at 79 Dearborn St. The company handles New York and Vermont marble, New England granite and Indiana and Ohio stone. They manufacture the Lindsey Portable Polishing machines, and are sales agents for manufacturers of compressed air machinery. They make a business of furnishing complete plants, and have recently installed pneumatic tool outfits for the following retail dealers: J. M. Culley and Charles M. Metzger, Philadelphia, Pa., C. B. Hollenbery, Braddock, Pa., S. M. Todd, Scottsdale, Pa., Wm. Jackson, Homestead, Pa., Geo. Beiber, Pittsburg, Pa., and W. Wessell, Allegheny, Pa. Mr. Lindsey reports having an extraordinarily good business in granite for building and monumental purposes from his Pittsburg and Philadelphia offices, and expects to establish pleasant relations with Western dealers from his Chicago office.

* * *

The Maine & New Hampshire Granite Co., of Portland and North Jay, Me., have established a branch office at 79 Dearborn St., Chicago, where they will furnish estimates on all classes of building and mausoleum work. They have recently completed mausoleums for George L. Jones & Co., Wilmington, Del.; James Stuart, Pittsburg, Pa.; J. W. Kerr & Co., Franklin, Pa., and the Zimmerman mausoleum for the Arlington Monumental Works, Arlington, Pa., erected in Laurel Hill Cemetery, Philadelphia. The Union Trust Co. building at Washington, Pa., has just been completed, and other important contracts are in progress, the most important of which is the Smith memorial in Fairmount Park, Philadelphia. This is to be one of the most notable memorials in America. They furnish red granite from Redstone, N. H., and gray granite from North Jay, Me.

* * *

The Blue Ridge Marble Co., of Nelson, Ga., gave their employes and their families an enjoyable picnic last month which was participated in by nearly 500 people, and made what was probably the largest picnic ever attempted in that section. A special train on the Atlanta, Knoxville & Northern R. R. carried the party a distance of eighty miles to the picnic grounds, a picturesque spot high up in the mountains. The train passed over the famous loop on the A. K. & N. road, which of itself is an experience never to be forgotten. In ascending and descending the mountain the train crosses its own track three times, and the passenger can see the track he has just passed over either far below him or high up on the mountain side. The scenery is wild and rugged, and takes in the Hiwassee River as it winds in and out among

(Continued on next page.)

(What Our Advertisers Are Doing, Continued.)

the mountains. The company is to be congratulated upon giving its employes such a thoroughly enjoyable outing, and it goes without saying that the men and their families appreciate such generous treatment. The picnic was given in recognition of a month of enthusiastic work during July, when the company shipped more marble in value than is said to have ever been shipped in a similar length of time by any one plant engaged in the Georgia marble business. Photographic views of the excursion reached us too late to be reproduced in this connection.

Trade Literature, Etc., Received.

We have received the first number of "American Art in Bronze and Iron," a magazine published by the Jno. Williams Bronze Foundry, of New York. The first number is devoted to Memorial Tablets, and illustrates some fine examples of this kind of work that have been executed by this firm. A succeeding number on Sculpture in Bronze, will illustrate important work by Augustus St. Gaudens, Daniel C. French, Charles N. Niehaus and other well-known sculptors. Later numbers will take up different branches of the work, such as bronze doors and grilles, counter screens, lamp standards, etc. This firm is executing ornamental metal work after designs by the leading sculptors and architects in sufficient quantity to furnish ample material for such a magazine, and it is the aim of



the firm to have the book take a definite place in an architect's office as a work of reference. The book is neatly printed with an artistic cover design, handsomely illustrated, and should find a warm welcome from all who are interested in bronze and iron work.

Those of our readers who are interested in the formation of Town and Village Improvement Associations, or the general work of outdoor improvement in parks and cemeteries, and home grounds, will be interested in "The Town Beautiful," a booklet illustrating a number of examples of work in this line, which can be had on application to R. J. Haight, 324 Dearborn St., Chicago.

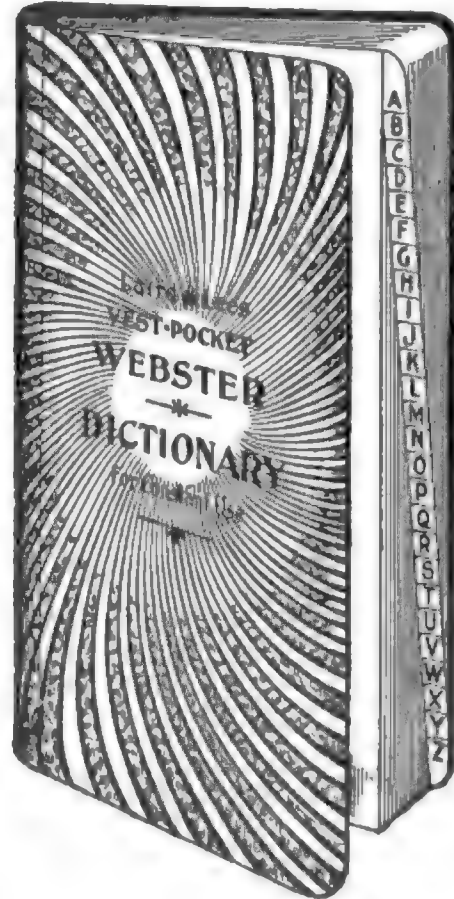
Anderson's Patent Power Traveling Cranes, manufactured by the Lane Manufacturing Company, Montpelier, Vt.: A handsomely illustrated catalogue of traveling cranes and machinery for the equipment of stone sheds. The mechanical constructions of the cranes is illustrated and described and much information given concerning this modern labor-saving invention that will be read with interest and profit by intending buyers of such machinery.

The American Air Compressor Works, 26 Cortlandt street, New York, send a copy of an illustrated catalogue of air compressing machinery, printed in Danish, issued by their agent in Copenhagen. It describes The American Air Lift Pumping System, and a few types of the American Air Compressors and Governors. This firm is exporting its goods to Russia, India, Australia, France, and Germany, and report that the prospects for a growing export trade were never better.

Useful Appliances and Handy Devices for Marble and Granite Workers: An illustrated circular of hoisting devices and practical time-saving machinery manufactured by James P. Dunn, Cleveland, O.

Spell Correctly

This handy Pocket Dictionary contains, in addition to 30,000 words and definitions, a PERPETUAL CALENDAR for ascertaining day of week from



any year between 1700 and 2499. Complete GAZETTEER OF THE WORLD, Revised. Marks of punctuation and how to use them; Forms of Notes, Due Bills, Receipts, Etc., Etc. Use of Capitals, Latin Words often met with. Values of Foreign Coins and many other interesting features. Fully indexed. 2 1/2 x 5 1/4 inches. Cloth bound, 25c. Leather binding, 50c. Sent postpaid on receipt of price. X X X X X X X X

R. J. HAIGHT,
324 DEARBORN ST., CHICAGO.

THE MONUMENTAL NEWS.

A Monthly Journal of Monumental Art.

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No. 10.

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Wanted, a Remedy!

A matter of great annoyance to many in the monument business is the competitor who neither carries stock nor operates a workshop, and from the standpoint of the latter class of dealers, such a competitor is inimical to the general welfare of the trade. And yet such conditions exist in nearly every branch of business, though perhaps to a more pronounced extent in the monumental industry. The cause for this may be that, like some others, this trade is an easy one to enter, because credit from manufacturers and wholesalers is not a difficult matter under fairly good representations, competition being keen enough to promote extension of trade whenever any opportunity presents itself. The unfortunate feature of such a condition is that it offers too great an inducement for dishonest men to enter the field, who having little or nothing to lose, do not scruple to exercise every ingenuity they possess to secure trade and thus sap at the foundation of all healthy and honest business. That this class of competition is very widespread there

is indubitable evidence to show, and it causes keen criticism from honest dealers in all parts of the country. But where to find a remedy is the question. Nothing short of a strong manufacturers' association, backed up by regulations providing for a heavy money forfeiture for the infraction of rules would appear to offer a solution. Such an association, efficiently conducted, should be able to put a stop to many practices in the trade that both retailers and manufacturers desire to see abolished. But this would not deprive the honest man desirous of entering the monument business from carrying on such a business without a shop, should he prefer that method of trade, and there are many such men already established.



A Word of Forewarning.

If any reliance is to be placed in the proverbial straws that are supposed to indicate the direction of the wind, there is every reason for believing that the granite cutters of Barre, Vt., will make a demand for an increase in wages to take effect March 1st next, at which time the existing agreements between the cutters and manufacturers will expire. Whether or not the manufacturers are likely to give favorable consideration to any such proposition is purely a matter of conjecture at this time. The limit may have been reached, but the condition that confronts the retail dealer just now is the importance of placing his spring delivery orders sufficiently early to insure their completion before any complications arise. There is nothing to be gained by waiting.



The McKinley Monument, San Francisco.

The design for the McKinley memorial, San Francisco, the work of Robert I. Aitken, sculptor, and to cost \$30,000 has been accepted. An illustration and description will be found in another column, and from what can be gathered from the illustration the memorial will be dignified and refined as becomes such a subject. The committee were unanimous in the selection of Mr. Aitken's model and indorsed his conception and views on the significance of the monument. At the present time, while cordially urging the use of the "ideal" in our monumental sculpture, we do not think it opportune to omit some form of portraiture from such types of memorial. The crowning figure may well suggest and give form to the high attributes of Mr. McKinley's character, yet we believe future generations will find more instruction, and the monu-

ment exert a greater influence, were a combination of the ideal and physical portraiture permitted to represent the man and what he stood for, and it would seem that public interest would always attach itself more securely to such a memorial. It may also be said that this monument is erected primarily to Mr. McKinley, a memorial to the man. What he stood for idealizes the man, and this in our opinion requires some form of portraiture in the design.



A Correction.

In an editorial in our September issue entitled "A Case for Exemplary Punishment," an error crept in for which even after a large amount of correspondence we are at a loss to account, but which as a matter of course we sincerely regret. The article in question gave the location of the damaged monument as Traverse City, whereas it should have been Muskegon, Mich., and the monument dealers of the former place have naturally protested against the statement on the grounds of its liability to cast serious reflections upon them. It is safe to say that no reputable firm need fear any such result, nevertheless we gladly make the correction, both to establish the fact and to remove any possible reflection upon the good name of the Traverse City dealers that the mistake may have suggested. The disfigured monument was erected in Evergreen Cemetery, Muskegon, by Messrs. Bauer & Beamer, who report that this is the second outrage of a similar nature that has been perpetrated against them and they have offered a reward of one hundred dollars for evidence which will convict the offender. Such an offense, we repeat, merits condign punishment and there can be no excuse to palliate it.



Another Unsatisfactory Experience.

Another soliders' monument episode has been in progress in Ohio, in connection with the awarding of the contract for the thirty-eight monuments to be erected on the Vicksburg battlefield. It will be remembered that two years ago much bitterness was aroused when the contract was awarded for the monuments on the Shiloh battlefield. The Vicksburg monument commission is charged with having given out the present contract without having called for bids or given opportunity to competitors to submit designs or prices. On the other hand the commission appears to claim that their method of procedure has saved the state a large amount of money. Without positive information no conclusion can be reached, but be this as it may the commission should have given the monument industry of the state an opportunity to submit designs or at least to estimate on designs that the commission had seen fit to adopt. The statement that the action of the

commission in deciding not to have a public competition was not unanimous, still further adds to the discontent that has naturally been aroused. Without discussing the qualification of the commission the recurrence of similar experiences in this and other states only serves to emphasize the need of art commissions whose duty it shall be to have surveillance over all matters pertaining to memorial or decorative art.



Monuments in Lawn Plan Cemeteries.

An important feature of the president's address delivered at the recent convention of the Association of American Cemetery Superintendents, was his discussion of the monument question as related to the modern landscape or lawn plan cemetery. This subject has often been referred to in these columns, and the trade advised that the "modern cemetery," under the artistic treatment now accorded to it demands that the monuments shall be subservient to the landscape effects, to which end cemetery rules and regulations are being rapidly amended. In the course of the address referred to the author said: "One thing we ought to do is to find a remedy to prevent the useless disfiguring of beautiful scenery and surroundings by stone work which is neither characteristic nor artistic." The latter terms express exactly what memorials must be to conform to the refined cemetery practice of today, and there is nothing more offensive to an educated taste in a landscape cemetery than a characterless and inartistic monument. It goes without saying that the time has come when in order to preserve the artistic character of the scenery in a cemetery, the officials will reserve to themselves the entire right of regulating the monument question, and a little common sense will suggest to the dealer that lot owners when they realize the effect of monument regulations on the general appearance and welfare of the burial grounds, will endorse the efforts of cemetery officials and gladly leave the design and proportions of their memorials to their more matured taste and broader experience. It has far too often been the case that lot owners buy from designs, frequently overdrawn, and with no idea whatever as to the peculiarities of the design or its appropriateness for its immediate surroundings. Then again purchasers have oftentimes been imposed upon and induced to put up much larger monuments than the size of their lots warrant. While cemetery restrictions will tend to regulate such matters, monument dealers, as we have often urged, can do much to help reform if they will only study the best interests of all concerned, even though the immediate gain may not be so large as it otherwise would be. The future means higher class memorials and better and more profitable prices.

The Slocum Monument at Gettysburg.

The fine equestrian statue of Major General Henry Warner Slocum, a tribute to his memory from the state of New York, was unveiled September 19, on Culp's Hill, on the battlefield of Gettysburg, where his line was located during the historical battle. The governors of New York, New Jersey and Pennsylvania, the Seventh regiment of the New York national guard, which acted as escort, and veteran infantrymen

It stands on a pedestal of Barre granite, seventeen by twenty-two feet at the base, and sixteen feet high. The group is fifteen feet high, making the total height of the monument thirty-one feet.

Embedded in the north face of the pedestal is a bronze tablet bearing the following inscription:

"Major General Henry Warner Slocum, U. S. V., 1826-1894, in command of right wing of the Army of



SLOCUM MONUMENT, GETTYSBURG, PA. E. C. POTTER, SC.

and artillerymen who served under General Slocum attended the ceremonies of dedication.

The memorial is the work of Edward C. Potter, and is a striking and characteristic portrait of the General as he appeared at the head of the Twelfth Army Corps on that memorable day in July, 1863. He is seated at rest on his charger in an easy, well-poised attitude, and both horse and rider have an air of alert expectation as if awaiting for the moment of action to arrive. The equestrian group is of bronze, and weighs 7,500 pounds, being the largest bronze on the battlefield.

the Potomac at the battle of Gettysburg, July 1, 2, 3, 1863."

Beneath the inscription are the words: "Stay and Fight it Out," the famous remark of General Slocum's in the council of war called by General Meade at Gettysburg.

The cost of the monument was \$30,000. The bronze was cast by the Gorham Company, of New York, at their foundry in Providence, R. I., and C. E. Tayntor & Co., of New York, were the contractors for the pedestal.

The Smith Memorial and Other Philadelphia Notes.

On the 17th ulto. an inspection of the newly completed Smith Memorial in Fairmount Park was made by the commissioners of the Fairmount Park Association. The east side of the quadrigle is almost complete. The colossal figure of General Meade surmounts the east side column, and the splendid granite niches are ready for the busts. The rhythmic tap of the mallet and the chisel bespoke the delicate work of tracery around the wreaths, and the swish, swish of the brush signalled the last combing on the huge dies.

The raising of the equestrian statue on the north-east pedestal will call for admirable forethought and skill. Some idea may be gained of the immensity of the granite blocks from the figures given in the official plans from the quarries.

In the main die there is one block weighing 32 tons and four blocks of 24 tons weight. The columns running up from the main base take up 26 circlets, eleven of which measure 7 feet 6 inches in diameter, or twenty-two feet 6 inches in circumference and three feet one inch in depth; fifteen others rising from these have the same diameter and measure in depth two feet six inches. Above this, at a height of sixty feet, the broad capitals forming resting places for the standing figures of General Meade on the east side column, and General Reynolds on the west side, measure twelve feet four inches square, with a weight of twenty-six tons each.

In its entirety this magnificent monument, costing nearly half a million dollars, will have absorbed no less than 84,000 feet of granite. Counting twelve feet to the ton the total weight of the granite alone will be no less than 7,000 tons.

This was supplied from the North Jay quarries of the Maine and New Hampshire Granite Company.

From the capitals and friezes the cutting and carving is of the best, all the classic details of dentils, capitals and entablature are in perfect harmony with the general design and not a single stone is discordant. Inside the bronze shed awaiting transportation to their respective niches, are the busts of General Rosecranz, General McClellan, Governor Cutting, Thomas Gest, the trustee, and James T. Windrim, the architect and designer. In all there will be eight.

Attracting attention, however, beyond all others is the sturdy and colossal figure of the donor, Richard Smith. In this Sculptor Herbert Adams, of New York, has given the best of his labor and skill. Rugged, thoughtful and benevolent, such is the conception, without any attempt to remove the man from his native or local environments. He stands colossal in form, attired as the worker, and with head bent forward, mentally clothed as a thinker and a producer. The memorial bears the simple legend:

.....
: RICHARD SMITH, :
: Typefounder. :
: Born 1821. Died 1894. :
.....

At a later day I hope to give credit to all concerned.

* * *

An imposing and important piece of sculpture has arrived in Philadelphia from Germany, the work of Sculptor Moritz Wolff. It is a memorial to German Soldiers who fought for their flag at Gravelotte and Sedan. The statue represents a German Grenadier, holding aloft a torn and bullet-riddled flag, the emblem of his regiment's victory at Sedan, a battle well nigh as bloody as Gettysburg. The statue was cast from a cannon captured during the Franco-Prussian war and donated by Emperor William.

* * *

Local Sculptors are at present diligently working upon the preliminaries of the competition for the statue of the late President McKinley, and upon the Baldwin statue.

* * *

The fourteenth annual exhibition of oil paintings and sculpture of the Art Club will be held from the 15th of November to December 14th.

W. P. LOCKINGTON,

McKinley Monument, San Francisco.



"VICTORY" TO SURMOUNT NAVAL MONUMENT AT SAN FRANCISCO; SHOWING SCULPTOR AT WORK.

The monument illustrated here will be erected in San Francisco, Cal., in memory of the late President McKinley. It is the work of Robert I. Aitken, a young sculptor of that city. A competition, opened in 1901, resulted in many designs being offered to the committee. From these, three competitors were selected to either modify their original sketches or submit new models. In consequence Robert I. Aitken, Douglas Tilden and Henry Hap-



SYMBOLIC MCKINLEY MONUMENT FOR SAN FRANCISCO. R. I. AITKEN, SC.

persburger submitted designs on Sept. 1st last. Mr. Aitken's model won the unanimous approval of the committee; in the selection of it they indorsed the sculptor's new conception of the significance of such a monument. Mr. Aitken argues that the absence of any localizing element of portrait statue, bust, or even bas-relief, gives to a monument a broader, more enduring, more dignified quality than can possibly be attained by entering into personal details.

The monument, which is to be erected at the intersection of two prominent streets, will cost \$30,000. In the center of a broad circular granite base rises a granite pedestal of simple design; surmounting this is a colossal bronze, representing the Republic, in her outstretched hand a palm—her tribute to our Martyr President, whose name alone is carved on the granite beneath.

Mr. Aitken has never been abroad because he prefers to work untrammelled by foreign influences. He is a staunch believer in the coming American School of Sculpture, and the virility and strength of his work

testifies to this belief. He is twenty-four years of age and has held the position of Professor of Sculpture in Mark Hopkins Institute of Art for more than a year, and his enthusiasm and talent have made that department one of the most successful in the school. His latest works of note are a memorial to President McKinley to be dedicated in St. Helena this month and the monument to the American Navy, now being erected in Union Square, San Francisco. The ground for this was broken by President McKinley while visiting that city and the monument will be unveiled in the course of a few months. The monument consists of a tall column, surmounted by a pure Corinthian cap, on the top of which stands a bronze statue of Victory. The base is quadrangular in form, and at each projection is the figure of a Californna bear. The surmounting figure of Victory is to be of colossal size, and is now being cast by the Jno. Williams Bronze Foundry, New York. The illustration on the preceding page shows Mr. Aitken at work on the figure.

Rome and Her Art Treasures.

The City of Rome in the Golden Age of her Art History, after she had absorbed the arts and architecture of the Etruscans, the Samnites and the Greeks, must have contained the greatest collection of statuary, monuments and architectural sculpture the world has ever seen. In the time of Constantine (306-337 A. D.) it had two colossi (probably a Nero and an Augustus), twenty-two great horses (not counting the large equestrian statues and groups of which horses formed a part), eighty gilded and seventy-seven ivory statues of gods, two commemorative columns, six obelisks from Egypt and thirty-six arches of marble. About the same time it is reported that there were 324 shrines at the principal street crossings, each containing a "most precious image of a god," altogether offering to the appreciation of the Roman citizens "an almost complete chronological series of the work of Greek plastic art."

These are but partial inventories, however, and it is by other means that we are impressed with the vastness of the sculptural and monumental wealth which was once in the possession of the Eternal City. It is by a consideration of the relics that remain, which in themselves furnish a clew to a long record of the processes by which the destruction and dispersion of the treasures of the sculptor's art were effected, that the mind is fairly overpowered with the idea of the city's wealth of sculptural adornment. It is asserted by one who is not given to exaggeration, that every cubic foot of the wealth of marbles displayed in public and private buildings of Modern Rome was obtained from monuments of the ancient city. The greater part of these ancient marbles were in such form as to require a loss of from one-third to one-half of their gross contents in dressing and preparing them for their present use. To rebuild in Rome has always meant to destroy, and there is no edifice in the city dating from the fifteenth century, the erection of which did not carry with it the destruction or mutilation of some ancient monuments.

In rebuilding thus at the expense of the monuments, the Romans have ever shown an utter lack of appreciation of art, despite the assertions of Procopius, the sixth century historian of Greece, that "Of all the people in the world the Romans love their city and its historical monuments the best. Although fallen a prey to barbarian invaders so many times, they have succeeded in keeping up many of their great buildings and preserving relics connected with the origin and foundation of the city." But Procopius was evidently writing of what he thought ought to be rather than of what was, and the history of Rome's treatment of her art treasures is quite contradictory of his statement.

In the latter part of the sixteenth century Vacca and Rossi used Pentelic marble found in the huge capitals of columns then standing on the Tarpeian Rock for a lion and statues of the prophets and other figures then in demand. A wall has recently been discovered in the city entirely built of the contents of the studio of a colony of Greek sculptors that had settled in Rome about the beginning of the third century. No essential portion of the statues of Jupiter, Juno and a host of others was missing, showing that they were brought to the scene of destruction entire and were then broken up to be thrown into the foundation wall. These are but samples of what has been going on for centuries in the Eternal City.

The investigations of the archaeologists intended to answer the question, What has become of all the art treasures of Ancient Rome, serve also to increase our estimate of the wealth and value of the ancient city in sculptural treasures. And the answer they find for the question is rather an unexpected one. Professor Rodolpho Lanciani, by the interest with which he invests the subject, places his book on "The Destruction of Ancient Rome; a Sketch of the History of the Monuments" (New York, The Macmillan Company), in the category of Books of Especial Interest to the Readers of Monumental News.

A generally recognized cause of the destruction and dispersion of the sculptural adornments of the city is the incursion of barbaric tribes—the Goths in 410, the Vandals in 455. But Prof. Lanciani finds that the part of the barbarians is hardly worth considering when compared with others. And by "others" he means the Romans themselves of the Imperial, the Byzantine, the Mediæval and the Renaissance periods. The purpose of the barbarians was to carry off such articles of value as could be removed, and Rome long remained rich enough in such things to satisfy their greed. There was in such times of panic as resulted from a threatened incursion, an inclination on the part of the Romans to hide their treasures by burial or by throwing them into the Tiber where they were forgotten and whence they may some time be discovered. And in the invasion of the Saracens the garrison in the Tomb of Hadrian hurled statues from the battlements upon the besieging enemy, in the same manner as when the partisans of Vitellius, besieged in the capitol, hurled bronze and marble statues on their assailants in the army of Vespasian.

But these losses were as nothing compared with others. In 663 the Emperor Constans II. made a pilgrimage to Rome and in the course of a twelve days' visit seized as many bronze statues as he could lay his hands on and carried them off to Syracuse, where they

ultimately fell into the hands of the Saracens. Doubtless the loss of many statues and heathen deities was due to religious feeling in the transition from Paganism to Christianity. But the most remarkable destruction of sculptures was in the Renaissance—remarkable because we would naturally expect a higher appreciation of the arts in the people of that age—when the first work in any building enterprise was to find a quarry or *petraia*—that is an ancient structure from which to obtain building material. The marble ornaments so obtained might be used as building stone, or if especially fine marble might be burned into lime. So general was the latter practice that *calcararia* or lime kilns were erected in the near neighborhood of all the ancient buildings. In 1883 Lanciani made a find which indicated the extent to which the lime burners participated in the destruction of the art treasures of Rome. He recovered eight nearly perfect statues of *Vestales Maximæ* from a pile of marble about fourteen feet long by nine wide and seven high. The statues were carefully packed together and the curves of the bodies were filled in with marble chips. Evidently the marble was disposed of by its cubic con-

tents and the purchaser was making sure to get his money's worth.

For building materials tombs were depleted, notwithstanding edicts which made death or a heavy fine the penalty for despoiling the home of the dead. Preference was given to the sculptured Greek marbles because of the superior lime they produced and powdered Parian marble was said to produce a fine plaster. Broken statues were used at that time for mounting steps, for mangers in stables and as curbstones. Roman citizens boasted that the foundations of their houses were constructed of ancient statues.

Mosaic workers also aided in the work of spoliation, both for purposes of securing materials and for models for their designs. And in those days of destruction the ancient buildings of Rome furnished building material and architectural adornment for other Italian cities and for an extensive foreign trade.

Prof. Lanciani has the archæologist's interest in the valuable monuments thus dispersed, and in relating his long tale of destruction he brings to notice many matters of deep interest and amply fulfills the promise of his sub-title.

L. VIAJERO.

Statuary Free of Duty.

The U. S. Board of General Appraisers at Washington, D. C., has just rendered a decision covering the entries of statuary under the present tariff act which is of interest to all importers of such goods, and in doing so they have decided that the statues cut, carved, or otherwise wrought by hand from solid block or mass of marble, alabaster, or other material specified in paragraph 454, by a professional sculptor, or under his direction or supervision, are entitled to free entry without regard to the purpose for which they are to be used, the degree of artistic merit they possess, or the fact that they are copied from the work of other sculptors.

The matter was brought to the board on a protest from Ferdinand Bing and others, against a decision of the Collector of Customs for the port of New York as to the rate and amount of duties chargeable on certain importations consisting of statuary made of marble and alabaster, and imported from Italy, and which he assessed for duty at 50 per centum ad valorem, under paragraph 115 of the same act, as manufactures of marble not specially provided for; the claims were made, in entering the protests, either that the goods should have been invoiced at 20 per centum ad valorem, under paragraph 454, or at 15 per centum under the reciprocal arrangement between Italy and the United States.

Paragraph 454 describes statuary to include only such statuary as is cut, carved, or otherwise wrought

by hand from a solid block or mass of marble, stone, or alabaster, or from metal, and as is the professional production of a statuary or sculptor only.

The paragraph in question has already been construed by the Circuit Court of the Southern District of New York, and was affirmed on an appeal in *United States vs. Townsend*. The articles in case were marble or alabaster busts, and single figures, groups, and bas-reliefs, which were designed for use chiefly for memorial or cemetery and church purposes. The assessment for duty by the Collector of the Port of New York, and the claim of the protestants was the same as in the present case, and the decision of Judge Cox was discussed and quoted in the *Monumental News* of June, 1901.

This decision construes paragraph 454 to embrace all statuary not specially provided for in said act, which is cut, carved, or otherwise wrought by hand from a solid block or mass of marble, alabaster, or other materials there specified, and which is the professional production of a statuary or sculptor, and the result of the artist's own creation, or copies thereof made under his direction and supervision, or copies of works of other artists made under like direction and supervision, as distinguished from the productions of the manufacturer or the mechanic. The Supreme Court has already maintained that an artist's copies of antique masterpieces are works of art of as high a grade as those executed by him from original models.

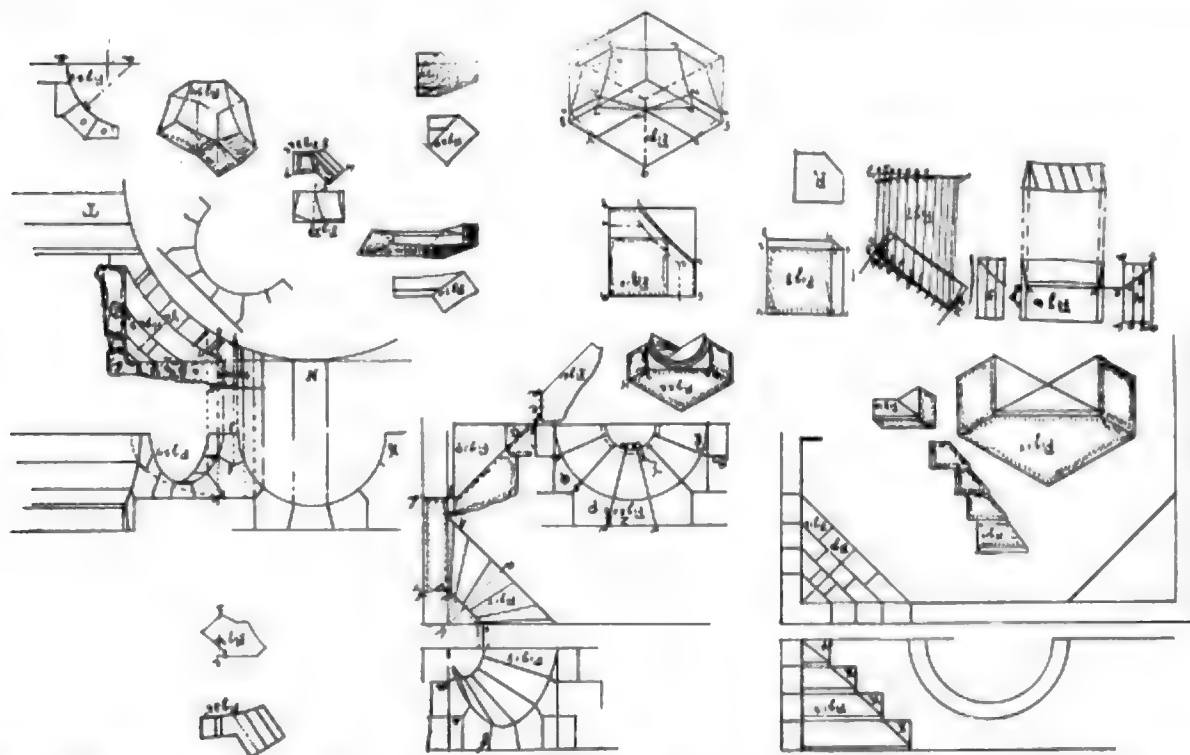
Corbelling.

(Continued.)

Copyright, 1899, by Donald Frazer.

To cut the stones: Fig. 6 is an enlarged diagram of the stone whose joints are 4-5. All stones between the springer and key are cut first, the same as a straight arch stone, the cutting line YY on the soffit is marked on, then the lines on each joint to cut the face as joint mould 4-5, and last the top line; before going much further we will make joint and top patterns, take joint 4, Fig. 6, and the same in the plan and elevation; make a, b, c, d, equal to joint 4, then divide a b, c d, into the same number of parts as the joint is divided, from the plan take d e, to d e, of 4, then x x, and o o, draw curve through c, x, o, c, and it is fin-

tion, and mark them on the soffit and top of each arch stone so that when you cut the face the positions of the templet will be correct. Fig. 8 is the enlarged pattern for the bottom on springer stone 1, 2, 3, 4, is the bottom line, 5, 6, 7, 8, 4, the top. Reduce this stone to the shape of the pattern and height of bottom course. Apply on the joints 5-4, 4-8 the joint pattern Q, for the soffits, the corbel part 2, 6, 7, is to be worked with templet Fig. 9. The joint pattern for this stone will do for the first four stones if the curve is not very hollow. That part of the pattern Fig. 8 as 5, 4, 8, 7, 6, is for the bottom bed of second course, and R for the



ished; follow this in all the joints. Fig. 7 is the work to find the top pattern for stone 4-5; it is made large so that it will be clearer; d, Y is the plan of the top curve. Enclose the face mould by square lines, and divide the plan into numerous parts as x, x, x, etc., then raise lines to touch z, z, and from those points draw lines square with z z, then transfer distances x o, x o, x o, etc., from plan to x o, x o, x o, etc., of the top of pattern; draw curve through o, o, o, o, etc.; this will be the pattern to mark the top. The lines being all on the stone Fig. 6, the face is to be worked in plumb curved drafts with a templet taken from Fig. 4, as shown at Fig. 9; this templet will do for all the other stones, the curve being the same; always draw plumb lines on the face of each face pattern as shown at o, in the eleva-

tion. If you so desire you can mark all the beds on one pattern, having each one numbered and notched out. The stone marked P which is the springer of the arch proper, requires the most attention; the pattern for this stone must be made as if it were the same as the bottom ones, as at Fig. 10 enlarged, with the top and bottom lines a marked on. 1, 2, 3, 4, the bottom and 5, 6, 7, 8, the top, the other lines being produced as the stone is being cut. Fig. 11 is a sketch of the stone as it appears when finished. Let 5-9, 9-8, 8-11, be the stone required sawn to the required size or if in the rough our first work would be to cut a bed first, in this we will work the bottom then scribe the lines 1, 2, 3, 4. Next work the joints 5-9 and 9-8, then reduce to the height 8-11, on which mark the top bed lines 5-6, 7-8.

Apply the joint mould taken from Fig. 3; be careful to place them at the right place as 1, o, x, and 4, o, Y. We are now ready to cut the joints, corbel and soffits. First work the corbel face 2, 3, 6, 1, o, 7, using the templet Fig. 9, next the beds Y O and X o through. We must draw a mitre line as Z, 3, and W, 2, to enable us to work the soffit through, this is found the same way as any angle mitre line is formed. On the bottom bed draw a line parallel to 3, 4 and 2, 3, to meet at a, now hold a straight edge on the points and 3, then sight a, 3, with z, so that they will line with each other; the line W, 2, is found by the same method; finish by cutting drafts parallel to Z, o, or o W. This stone could be cut by numbering the joints through first, next the soffits and the corbel last. This way would occasion the making of a pattern to fit the joints so that the curve 10, 2 and 10, W, is found; by this you will notice that the first way is better. The other stones of the corbel are cut by the method employed in getting out stone for a dome.

There are numerous ways employed in the changing of a plan of a dome or tower; we have taken those that will be interesting; we will only take up the corbelling or pendatives. Our first will be the changing of a square to an octagon plan. Fig. 12 is the corner corbelled or marked out. Fig. 13 the elevation and Fig. 14 the section through a, b, as the section of each course is the same, one joint mould will do; also, one pattern will suffice for that part of each course that rests on the wall. Fig. 15 represents a sketch of the bottom stone. Fig. 16 is part of a course, the end resting on the wall with ashlar attached. This kind of corbelling can be seen in a number of towers, the outside corner battering to form the shape of the change of plan.

Figs. 17-18 is another method of changing a square plan to an octagon. In this diagram we have inserted a cone in the angle which requires much more care in getting out this kind of work. Fig. 19 is the section through a, b, Fig. 20 the face elevation of the angle. Fig. 21 is the section mould for all the stones, each letter corresponding to the size at each joint letter. Fig. 22 is the angle piece 1, 2, 3, 4, of plan, the shape of the pattern can be seen in the sketch and at C Fig. 19. The stone between the springers are worked the same as an arch stone; they will be quarried as close to the shape of section Fig. 21 as possible, to save stone. We work one bed, then the top, next the joint that butts against the angle piece C with a templet taken from Fig. 20 as Y, next the face Z, then mark on the width of the top and bottom as w-W and oo-o; now work the

other bed, now apply the joint mould and finish the soffit by drafts radiating towards the center. For the stones P-Q work the largest bed, then the bottom with the same templet, next the top, then face, mark on face pattern P or Q, next the other joints and last the soffit. The pattern for bottom bed of springer is g, h, i, j; this stone will have a piece of the wall ashlar attached which will serve as a tie or bond in the straight wall. To cut this stone, work the bottom first, then apply the bottom bed pattern with a piece of the angle face attached as g, h, i, j, k, l, then the joint g, h, next the angle g, l, k, then apply the face pattern R, then the top S, the joint against bottom piece and the soffit last.

Fig. 23-24 is the quarter plan and elevation of circular wall to receive dome over the meeting of the nave and transept, there will also be an outlet at each part of the plan at Y, as this diagram shows the plan at the springing of the arches. The passage ways in the revelle as indicated by the arrows will be shown so as to avoid too many lines. It will be noticed that the arches are of double curvature, that is, curved in plan and elevation, or, as called by stone-cutters, circle on circle. The stone in the angle is worked the same as before explained, the ceiling stones of which, Fig. 26 is the section a b are worked the same as a dome stone, the ones next the square wall have an ashlar left on as Fig. 27-28. Figs. 29-30 being the patterns to give the shape of O, O, Fig. 23, the section moulds being o, o, of Fig. 26. The springer and the stone above are the two we will take up, the others being worked by any of the several methods for the cutting of stones of double curvature. In Fig. 32, 4, 5, 6, 7, 8, is the plan pattern for the springer; the height is 1, 1, in Fig. 24.

To cut the stone: Work the stone to the shape of the pattern Fig. 32 and equal to the height 1, 1, of Fig. 24. Now apply on the convex and concave faces a developed face pattern and the joint pattern of the large arch on 4-5, as all the lines are on finish by cutting through. Fig. 3 is a rough sketch showing the shape of stone when finished. Fig. 35 is the plan pattern for the stone above the springer, Fig. 36 being the developed face pattern, the stone is cut to the shape of the plan pattern and its height 2, 2. In applying the curved face be careful that they are held at the right place, as the only drafts on a circle on circle stone that are straight are plumb drafts. In concluding this article it would be to an advantage to enlarge these diagrams for a better knowledge of them, as these are some of the few parts of cut stone work that must be cut by hand, and it is well to know how



Census Statistics of Marble and Granite by States.

North Carolina.—Monuments and tombstones: Establishments, 24; capital, \$62,933; average number of wage earners, 103; wages paid, \$30,638; miscellaneous expenses, \$3,598; cost of materials used, \$49,892; value of products, \$129,631. Marble and stone work: Establishments, 16; capital, \$98,967; average number of wage earners, 365; wages paid, \$88,127; miscellaneous expenses, \$8,767; cost of materials used, \$18,131; value of products, \$148,993.

Washington.—Monuments and tombstones: Establishments, 10; capital, \$55,805; average number of wage earners, 36; wages paid, \$24,235; miscellaneous expenses, \$5,238; cost of materials, \$46,755; value of products, \$122,700. Marble and stone work: Establishments, 10; capital, \$108,774; average number of wage earners, 56; wages paid, \$38,648; miscellaneous expenses, \$3,379; cost of materials, \$26,403; value of products, \$130,250.

Oregon.—Monuments and tombstones: Establishments, 18; capital, \$63,480; average number of wage earners, 32; wages paid, \$20,499; miscellaneous expenses, \$4,229; cost of materials, \$55,116; value of products, \$123,679. Marble and stone work: Establishments, 6; capital, \$55,402; average number of wage earners, 18; wages paid, \$8,175; miscellaneous expenses, \$1,760; cost of materials, \$15,244; value of products, \$39,940.

Montana.—Monuments and tombstones: Establishments, 9; capital, \$45,824; average number of wage earners, 20; wages paid, \$15,335; miscellaneous expenses, \$2,421; cost of materials, \$32,999; value of products, \$73,651. Marble and stone work: Establishments, 3; capital, \$8,075; average number of wage earners, 8; wages paid, \$4,500; miscellaneous expenses, \$111; cost of materials, \$895; value of products, \$13,800.

North Dakota.—Monuments and tombstones: Establishments, 5; capital, \$17,435; average number of wage earners, 10; wages paid, \$6,835; miscellaneous expenses, \$1,072; cost of materials, \$16,160; value of products, \$35,350.

South Dakota.—Monuments and tombstones: Establishments, 11; capital, \$47,352; average number of wage earners, 33; wages paid, \$14,901; miscellaneous expenses, \$5,759; cost of materials, \$27,257; value of products, \$85,761. Marble and stone work: Establishments, 4; capital, \$23,400; average number of wage earners, 112; wages paid, \$39,382; miscellaneous expenses, \$2,580; cost of materials, \$1,995; value of products, \$63,893.

Arizona.—Monuments and tombstones: Establishments, 3; capital, \$3,765; average number of wage earners, 3; wages paid, \$1,770; miscellaneous ex-

penses, \$442; cost of materials, \$3,853; value of products, \$7,000.

Indian Territory.—Monuments and tombstones: Establishments, 7; capital, \$9,342; average number of wage earners, 7; wages paid, \$3,350; miscellaneous expenses, \$428; cost of materials, \$7,607; value of products, \$21,250.

Oklahoma.—Monuments and tombstones: Establishments, 5; capital, \$6,550; average number of wage earners, 13; wages paid, \$13,840; miscellaneous expenses, \$562; cost of materials, \$9,100; value of products, \$21,250.

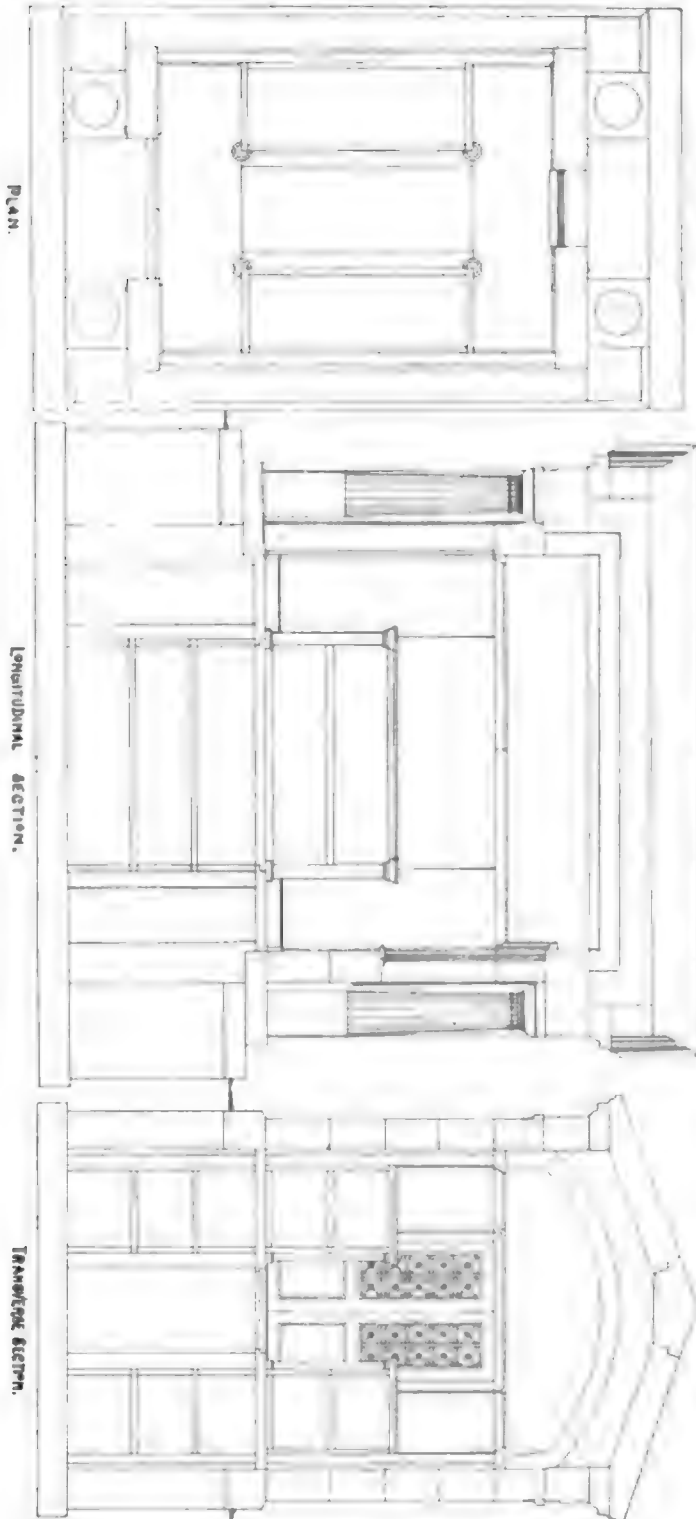
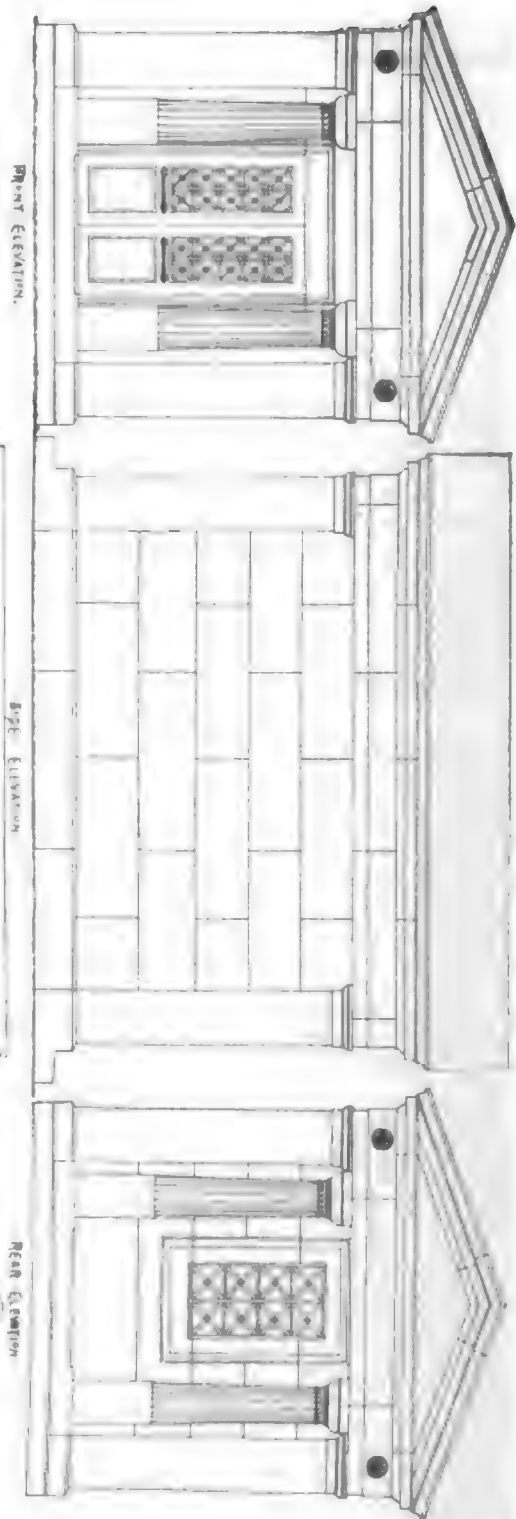
West Virginia.—Monuments and tombstones: Establishments, 25; capital, \$88,262; average number of wage earners, 68; wages paid, \$31,814; miscellaneous expenses, \$7,408; cost of materials, \$89,181; value of products, \$180,100. Marble and stone work: Establishments, 9; capital, \$93,947; average number of wage earners, 247; wages paid, \$86,548; miscellaneous expenses, \$1,866; cost of materials, \$41,765; value of products, \$205,922.

Delaware.—Monuments and tombstones: Establishments, 11; capital, \$75,050; average number of wage earners, 46; wages paid, \$29,882; miscellaneous expenses, \$1,617; cost of materials, \$77,207; value of products, \$126,781. Marble and stone work: Establishments, 5; capital, \$59,481; average number of wage earners, 146; wages paid, \$61,444; miscellaneous expenses, \$16,168; cost of materials, \$10,382; value of products, \$104,810.

Alabama.—Monuments and tombstones: Establishments, 21; capital, \$43,802; average number of wage earners, 54; wages paid, \$20,153; miscellaneous expenses, \$1,970; cost of materials, \$47,907; value of products, \$98,295. Marble and stone work: Establishments, 8; capital, \$348,122; average number of wage earners, 305; wages paid, \$46,331; miscellaneous expenses, \$10,164; cost of materials, \$69,792; value of products, \$257,023.

South Carolina.—Monuments and tombstones: Establishments, 22; capital, \$69,950; average number of wage earners, 72; wages paid, \$32,211; miscellaneous expenses, \$3,948; cost of materials, \$50,229; value of products, \$120,090. Marble and stone work: Establishments, 8; capital, \$306,415; average number of wage earners, 175; wages paid, \$48,230; miscellaneous expenses, \$17,034; cost of materials, \$9,860; value of products, \$124,152.

Mississippi.—Monuments and tombstones: Establishments, 12; capital, \$44,210; average number of wage earners, 52; wages paid, \$25,032; miscellaneous expenses, \$2,465; cost of materials, \$40,560; value of products, \$115,559.



DESIGN FOR VAULT BY W. W. DUTTON, ALBANY, N. Y.



Waldo Story is to execute a marble fountain, to be presented to the town of Hopedale, Mass., by Mrs. William F. Draper. It is to be semi-circular in form, with a symbolic statue of Hope in the center.

Guernsey Mitchell, of Rochester, N. Y., now in Paris, is to model a bronze statue of the late Dr. Martin Brewer Anderson, founder of the University of Rochester, which is to be erected at that institution. The statue is to cost \$14,000, of which \$8,500 has been collected.

Miss Gertrude Boyle, of San Francisco, has completed a life-size bust of John Muir, the California naturalist, modeled from a number of life sittings. She has made a medallion from the bust, and both works are said to be excellent portraits, showing character and strength of treatment.

Augustus St. Gaudens has almost completed the model for the heroic size statue of Phillips Brooks which is to stand near Trinity Church, Boston, facing Copley Square. The commission for the statue, which is to cost about \$80,000, was given in 1893. It is to be mounted on a base designed by Architect Stanford White, of McKim, Mead & White.

C. T. Webber, of Cincinnati, has finished a marble bust of Miss Christine Sullivan, the late Superintendent of Drawing in the Cincinnati public schools. The memorial was secured by pupils and friends of Miss Sullivan. Miss Isabelle E. Sullivan, a sister of the late teacher, is to model a bronze pedestal for the bust.

The Pennsylvania Academy of Fine Arts has placed on exhibition in Philadelphia a group of bronzes by Charles Gaffy, of that city. They include his "Symbol of Life," "From Generation to Generation," and a bust of his wife. The groups have been awarded gold medals at both the Buffalo and Charleston Expositions.

Hugo Berwald, the German sculptor, is to model a memorial to the poet Heinrich Heine, to be erected in Berlin. It will take the form of a bronze tablet bearing a relief profile of the poet's head and shoulder, and inscribed with a verse from one of his poems.

De Charmoy's monument to Baudelaire, to be erected in Paris, represents the poet in a recumbent attitude, with a Sphinx seated on a pillar above him, and a bat with outstretched wings ornamenting the pedestal. The Sphinx is reputed to be decidedly unconventional. She stretches forward her neck and rests her chin on her two hands, looking down scornfully at the world.

John Flanagan's bronze group for the Library of Congress, Washington, D. C., has been placed in position above the big clock, which marks the completion of the decorative art of the Library. The central figure of the work is a dial in gilt bronze, three feet in diameter, framed with a wreath and garlands of intertwined oak and laurel in bronze patina. The dial is set in a structure of colored marble, including a rich

deep red, sienna, green African, incrustured with malachite, lapis lazuli, thulite, and other semi-precious stones. This structure is in a panel about 8½ feet square, and on either side of it are seated bronze figures of students, typifying "The Reader," and "The Writer." Around the main group is an oval frame in color formed by representations of the Signs of the Zodiac.

Rudolph Schwarz, of Indianapolis, has completed the clay model for the statue of the late Governor Pingree to be erected in Detroit, Mich. The model is ten and a half feet high, and made partly from sittings given to the sculptor by Louis Thieme, who bears a close resemblance to Mr. Pingree in face and figure. Mr. Schwarz will cast the bronze at his own plant in Indianapolis by the lost wax process.

The Copley Society will hold its second annual exhibition in Copley Hall, Boston, Mass., from November 19 to December 16, and exhibits will be received November 12. The exhibition will include original paintings, pastels, and sculpture by contemporary artists, not before shown in Boston. The jury of awards for sculpture is composed of Cyrus E. Dallin, Henry Hudson Kitson, and Bela L. Pratt.

J. E. Kelley has modeled a bronze statuette of President Roosevelt, leading the charge at San Juan Hill, which he presented to the President this summer at Oyster Bay. The group shows Colonel Roosevelt rising in his saddle, giving the word of command, his right arm outstretched, holding his hat above his head. The work is the result of a fancy Mr. Roosevelt took years ago to one of Mr. Kelley's statuettes at Tiffany's showing General Sheridan at Cedar Creek.

Richard W. Bock, of Chicago, has completed the model for the symbolic figure to surmount the Illinois monument on the battlefield of Shiloh, for which the Legislature appropriated \$25,000 three years ago. The figure is twelve feet high and represents a typical American matron in a sitting posture, holding in one hand the sword with which the victory at Shiloh was won, while with the other she marks the page in history that records the heroic deeds of her sons. This is called "The Mother of Illinois," and is clothed in the garments of a war-time matron. Across the shoulders is thrown a military cape. The figure will rest on a pedestal of granite twenty-three feet high, thus making the monument when complete thirty-five feet from the base of the pedestal to the diadem of the head. It will be cast in bronze, and on Dec. 1 will be dedicated.

Moritz Wolff, of Berlin, modeled the statue to be erected by veterans of the German army in Hillside Cemetery, Philadelphia. The statue was cast from the bronze of a cannon captured in the Franco-Prussian war which was presented to the German Society of Philadelphia by Emperor William. The figure represents a typical German grenadier with the tattered colors of his regiment held high above his helmet, as if in defiance of a foe near by. The flag is riddled and bullet torn and the ribbons of the standard are held fast in the hand of the grenadier, who is a hero of Sedan. It is 8½ feet high, and the height to the tip of the flag-staff is 13 feet. The pedestal is of granite, 16 feet high, resting on a foundation of masonry 12 feet square. The statue has arrived and is now on a temporary pedestal in the hall of the German Society, where it will remain till next Memorial Day, when it will be unveiled in the presence of a representative of the Kaiser and other public officials.



From *The Sphere*.

MONUMENT TO EMPRESS ELIZABETH. TERRITET, SWITZERLAND.

Foreign Monumental Notes.

The illustration on this page shows the monument recently unveiled at Territet, Switzerland, in memory of Empress Elizabeth, of Austria. It stands on the spot from which she embarked for Geneva where she was afterward assassinated, and is the only statue to anyone of princely rank ever erected in the Republic of Switzerland. The statue is cut from Carrara marble, and is the work of Antonio Chiattoni, of Lugano.

The British Secretary for India has commissioned a London firm to execute a granite monument in Raipur Cemetery, Delhi. Portraits of the King and Queen and of the late Queen Victoria will be carved on the sides of the monument with the following inscription: "Sacred to the memory of the officers and men of the British army buried here who fell before Delhi from June to September, 1857, gallantly upholding their country's cause."

Henri Greber shows in this year's Paris Salon a statuette of Emanuel Fremiet, the well-known French sculptor, that is said to be an ambitious attempt to overcome the difficulties of representing the modern costume. The subject is shown in a long coat with a cape attached. He wears a silk hat, and carries a closed umbrella in one hand. The tailors have not been heard from as to the accuracy of the portrayal.

M. Caries, the French sculptor, has modeled a monument to Dr. Pasteur, the famous chemist, which was recently unveiled in Dole, France, with elaborate exercises. The statue stands on a tall granite pedestal ornamented by a group depicting Fame offering the scientist a crown, and pointing him out to a figure representing Humanity, in whose arms two sickly children have taken refuge. On the pedestal is the inscription "Grateful Humanity." The memorial is surrounded by picturesque old trees.

John Tweed, of London, has modeled a colossal bronze statue of the late Cecil Rhodes, which was begun before the death of Mr. Rhodes. It represents him standing with feet wide apart and hands behind his back in the attitude of the Colossus of Rhodes. The statue was executed for citizens of Bulawayo, South Africa, and is to be erected in the market place of that town.

Hans Dammann, the Berlin sculptor, has completed the model for a soldiers' monument to be erected by the 72d Infantry, of Torgau, in memory of fallen comrades. It is to be an obelisk-like structure, about twenty-five feet high, surrounded near the base by a frieze of oak leaves. Beneath the frieze, on three sides of the monument, will be carried large shields, bound together by chains, and bearing inscriptions. In front of the pedestal stands the bronze figure of a soldier, eight feet high, holding a flag above a diagonally placed tablet, on which are to be inscribed the names of 400 soldiers. The unveiling is set for the summer of 1903.

Emperor William, of Germany, recently unveiled a statue of Emperor Frederick at Posen, which is reported to be erected as an effort to reconcile the dissatisfied Poles of the Province of Prussian Poland. The Emperor is to present to Harvard University a plaster cast of the bronze copy of Schadow's statue of Frederick the Great at Stettin, erected in 1793. The original was in marble and is in bad repair. It is also reported that the bronze copy of this statue is to be presented to the United States for erection at Washington instead of the one which Prof. Uphues was commissioned to model.

The first monument to the late Empress Frederick was unveiled in the presence of the Kaiser at Hamburg in August. It is the work of Sculptor Uphues, of Berlin, and stands in a small park as a companion piece to the memorial to her husband by the same sculptor. The memorial is a double life-size bust of white marble mounted on a pedestal of red granite. It is a characteristic portrait of the Empress, showing her in the prime of life, one hand resting on her breast, the other holding a rose.

The new Westminster Roman Catholic Cathedral, London, is declared to have now the only existing example of a Byzantine campanile, since the fall of St. Mark's tower in Venice, says the *Boston Globe*. The edifice was built in the Byzantine style, especially chosen by Cardinal Vaughan in order that it should not compare in any sense with any of the existing cathedrals of the metropolis. The walls are composed of Roman brick, and the roof is surmounted by three large cupolas, which assist the ventilation of the building and constitute a great part of the strength of the roof. The campanile is 273 feet high. Three bells have recently been presented for mounting in the campanile, and these are to be named and consecrated after three angels in heaven. In the interior the walls will be covered over the lower part with marble, and over the upper with gold mosaic. The raised chair will consist of one solid stone, weighing 12 tons—a solid block of gray unpolished Cornwall granite—which will form practically the keystone of the edifice. The pulpit is of Byzantine design, constructed of porphyry and serpentine marble, and the archiepiscopal throne will be of white statuary marble. A great crucifix will hang from the arch dividing the chancel from the nave. This will be 30 feet high and was the design of the Mr. Bentley, the architect of the cathedral, who died recently.

Cemetery Superintendents in Annual Convention.

The sixteenth annual convention of the Association of American Cemetery Superintendents was held in Boston and its vicinity August 19th to 22d. Viewed either from an educational or a recreative standpoint, it was one of the most successful conventions of the kind ever held.

The gathering together of so many prominent cemetery officials from all parts of the country concentrated a great variety of experience and made the discussions both at the formal meetings and in the informal groupings of great value to all who entered into the spirit of the convention. It would have been worth while to attend such a meeting anywhere, but when to these

from the city officials generally. He also hoped their visit to the city would be a pleasant and profitable one.

Mr. Bellett Lawson responded briefly.

The president then delivered his annual address, which was devoted to an account of the history, progress and work of the association, and the suggestion of reforms and future work. He spoke as follows concerning monuments in the cemetery:

"And what is there to be said about monuments, using the word in its ordinary acceptance? Having given the subject much earnest thought, I have arrived at the conclusion that the one thing we ought to do is to find a remedy to prevent the useless disfiguring of beautiful scenery and surroundings by stone work which is neither characteristic nor artistic.



Photo by E. W. Mitchell, Supt. of Cemeteries, Medford, Mass.

GROUP OF CEMETERY SUPERINTENDENTS IN PINE GROVE CEMETERY, LYNN, MASS.

things were added the practical object lessons of the parks and cemeteries of a city like Boston it is not strange that the attendance was large and the delegates went home determined never to miss a future convention of the A. A. C. S. if it was possible to get there.

The headquarters of the convention was the Copley Square Hotel. The first meeting was held in the parlors of the hotel, but it was found that the attendance was so large it would be necessary to have more room, and subsequent meetings were held in a portion of the main dining hall.

The convention was opened promptly Tuesday morning by President Frank Eurich, superintendent of Woodlawn Cemetery, Detroit, Mich., followed by prayer by the Rev. C. H. Spaulding. Chairman Doyle, president of the Board of Aldermen, welcomed the delegates to the city. In doing so he assured them that they would receive every assistance from Mr. Morton, the city superintendent of cemeteries, and

When we remember that from time immemorial there has been implanted within human beings the desire to mark the last resting place of a relative with some memorial, and, moreover, that this desire has been carefully used and cultivated by those engaged in the manufacture of memorials, without any counter influence from disinterested persons, we can easily understand that this custom has remained deep rooted with the general public. It is true, we have witnessed much progress and improvement from the old style memorials to the monuments of the present time, and we are occasionally agreeably surprised with sentiments expressed favoring the abandonment of monuments, so much so that we may look forward to the time when more radical changes will be accepted as a move in the right direction.

Already many cemeteries have a rule prohibiting monuments on certain sized lots; while in others, sections are opened where no monuments, and only markers level with the lawn, are permitted.

I am fully aware that the time has not yet arrived when a total abandonment of monuments can be advocated, desirable as it may be, but I do think that more stringent and compulsory measures might be adopted to educate the public to sub-

ordinate personal desire and individual taste to dictation and advice of cemetery managers, who, because of years of experience and special study, are surely best qualified to decide along what lines improved methods will attain the desired results. It will therefore remain for cemetery managements in formulating plans to consider well and thoroughly to what extent monuments may be admitted on burial areas as a whole, which individual one may or may not have a monument, and possibly also determine and prescribe what design, material or style would be harmonious and not in conflict with the surroundings.

While perfectly aware that the powerful efforts of dealers in monument work to encourage and direct the placing of stonework will strongly overbalance our efforts to discourage that custom in its present promiscuous use, I am nevertheless of the opinion and hope to see the time that, by persistent and proper educational efforts on our part, combined with the co-operation of the enlightened and progressive patrons, we shall find an acceptable adjustment along the lines of these suggestions."

The annual report of Secretary and Treasurer J. H. Morton showed no material changes in membership. The financial report was as follows: Balance on hand last year, \$22.02; total receipts, \$472.02; expenditures, \$415.60; balance on hand, \$56.42.

On Tuesday, the first day, the members made a tour of the old cemeteries of the city, passing through the Horticultural Gardens and over the Common to the Granary. This cemetery represents the Revolutionary period. It contains 1.88 acres and the land is worth at least \$4,000,000. It was established in 1660. The visitors were shown about by Mr. J. H. Morton and Mr. Leonard Ross. The tombs of Peter Faneuil, John Hancock, Paul Revere were shown; also the burial place of the victims of the Boston massacre and the burial vault in which the body of General Joseph Warren, killed at Bunker Hill, lay for awhile. The next place of interest was the King's Chapel burying ground. This burying ground was established in 1630. One of the oldest graves is that of Gov. John Winthrop. The oldest stone standing is that of Wm. Paday, erected in 1658.

On Wednesday, the entire delegation, filling two large special cars, started for a day's study of the cemetery and gastronomic art of the city of Boston. The ride over Harvard Bridge and through old Cambridge was a delightful one. At Harvard University the party walked through the grounds to the Botanical and Mineralogical Museum, where they were shown the Ware collection of Blaschka glass models of flowers. A short walk was taken to the Botanical Gardens, where some beautiful and rare examples of horticultural art were examined. The party concluded its inspection at Mount Auburn shortly before 2 o'clock, then took cars for Newton. At Newton Cemetery the party were the guests of H. Wilson Ross and they were delightfully entertained. The beauty of nature enhanced by cemetery art was shown to perfection here.

At the evening business session, Mr. H. D. Litchfield read a paper "From the Undertakers' Point of View." He briefly reviewed the legal status of undertakers in the Commonwealth of Massachusetts, and gave some instances of the peculiarities of the friends of deceased at interments.

The president announced that for the first time in the history of the society they would have an address from a dealer in memorials, and introduced W. B. Van Amringe, who read a paper on "Progress of the Cemetery Memorial Industry During the Past Twenty Years." He said that memorials to the dead were as old as the world and would last as long as the world did. No trust among cemetery owners would ever prevent the owners of small lots from erecting some form of memorial for their beloved ones. He described graphically the old and the new methods of manufacturing monuments, etc. Granite memorials are sold as cheap or cheaper than they were twenty years ago notwithstanding increased wages to workmen and decreased hours of labor. There has been a marked improvement in the size, cost and artistic character of memorials. He described the memorials on the battlefields of the South. He closed with statistics regarding the production of stone in the United States during the past year.

Mr. Oscar L. Stephens of the *Boston Transcript*, read a paper on "Cremation." It gave statistics regarding the growth of cremation. The total number of cremations during the present year will probably exceed 3,000. He described the method of cremation as practiced at Mt. Auburn.

Mr. Alfred Stone, president of the Swan Point Cemetery, Providence, R. I., was introduced by Mr. McCarthy and said he favored cremation, and invited the members of the association to visit Providence. Mr. Roy of Montreal spoke of the economy of cremation.

At Thursday's session the Auditing Committee and the Committee on Resolutions for Deceased Members made reports. A paper prepared by W. N. Rudd, entitled "Some Mistakes," was read by James H. Morton, of Boston.

At the evening session papers of interest were read and the following officers elected: H. Wilson Ross, of Newton Center, president; J. C. Dix, of Cleveland, vice-president, and J. H. Morton, of Boston, secretary-treasurer.

Friday, the last day of the convention, was devoted entirely to sight seeing. It was a rare combination of beautiful things to see, and good things to eat. The party visited Pine Grove Cemetery at Lynn, and Harmony Grove at Salem, and were royally entertained by the superintendents and delighted by the beauty of the cemeteries.



DEMAREST MONUMENT, WOODLAWN CEMETERY, NEW YORK.

MONUMENTAL NOTES

The monument illustrated on this page was erected by Peter Celi, of Woodlawn, N. Y., at Nyack on the Hudson for Mrs. J. F. Demarest in memory of her husband, Andrew S. Demarest, who owned a stable of famous trotting horses. The horse carved on the monument was executed by Riccia, of Boston, Mass., who is now at work on a bust for the Vanderbilt family. It is a likeness of "Cuca," Cecil Clay's last, who was burned at Spring Valley, and for whom \$2,500 insurance was collected. * * *

The International Stock Food Co., of Minneapolis, will erect a monument over the grave of Online, once the world's champion pacing stallion, who held the four-year-old record for eight years. The horse was the property of the company and is buried on their farm on the banks of the Minnesota river. * * *

The Worcester (Mass.) Museum of Fine Arts has received ten casts of ancient Greek gravestones as a gift from Dr. Daniel Merriam, president of its board of directors. All but two of the casts are bas-reliefs and the others are statues. The pieces received are the Nike of Epidauros, Hermes of Andros, woman holding a girl's hand, two women, men and a girl, Dexileos and warrior, Hegeso, Korallion, two reliefs from the Dionysian theatre, Archistrates. The Museum now has an extensive and valuable collection of antique statuary.

The report of Maj. E. S. Johnson, custodian of the national Lincoln monument, Springfield, Ill., for the month of August shows that there were 1,463 visitors to the monument during the month. They came from thirty-four states and four foreign countries. * * *

Rev. E. B. Allen has written an interesting article for the Toledo Blade on the "First Civil War Monument in the United States." It was erected in the little town of Tipton, Franklin township, Lenawee county, O., and dedicated July 4, 1866. It is a marble shaft 33 feet high and suitably inscribed. * * *

The Abercrombie Stone Co., St. Joseph, Mo., is now at work on the monument of Governor Robert M. Stewart to be erected in Mount Mora Cemetery in that city at a cost of \$1,500. Sixty tons of red Missouri granite will be used in the monument, the shaft of which is 16x4x4 feet and will be polished. The entire height of the monument will be 25 feet. * * *

Commander-in-Chief Torrence, G. A. R., has appointed a committee to organize and press to a speedy completion the work of erecting in Washington, D. C., a statue to General Stevenson, founder of the order and first provisional commander-in-chief. The committee is: Thomas Lawler, of Illinois, past commander-in-chief, chairman; Thomas S. Hopkins, ex-commissioner pensions; James Tanner and John McElroy, of the District of Columbia; Louis Wagner, of Penn-War soldiers. * * *

In the recent bidding for the government contract for 15,000 headstones at Boston, Capt. S. M. Palmer, depot quartermaster, received bids from the Lee Marble Works, of Lee, Mass., to supply three grades of stones at \$1.80, \$2.95 and \$3.47, and from the Vermont Marble Company at \$2.13, \$2.33 and \$3.47. These stones are to be supplied by the government to the various G. A. R. posts for marking graves of Civil sylvania. * * *

Commissioners of the South parks of Chicago have voted to erect statues of Washington and McKinley in the parks bearing their names. The statue of Washington is to be a replica of the one which was presented to France by American women and modeled by Sculptors French and Potter. It was shown at the Pan-American Exposition and was illustrated in the Monumental News at that time. It will cost \$26,000, of which \$15,000 has already been pledged. The rest will be furnished by the Park Board, which will also contribute the bronze in an old statue of Columbus toward the casting of the statue. The board is to contribute \$11,000 to the statue of McKinley, and Commissioner Crilly is to raise any other funds that may be needed. * * *

An elaborate monument of stone, granite and bronze is to be erected on the campus of Oberlin College at Oberlin, Ohio, in memory of missionaries who were killed in the Boxer uprising in China. It will take the form of a stone arch, 30 feet high, bearing granite tablets for inscriptions, and bronze trimmings and decorations. From this two long wings run out in a half circle, the ends of which will be eighty feet apart. These two wings form a colonnade, each supported by six columns. On each side of the colonnade three concrete steps running its entire length, lead up to the base of the columns. Electricity will be used as illumination. The work of excavation has already been started and the structure is to be completed by December 15. The cost will be \$35,000, which was raised by national subscription. J. L. Silsbee, of Chicago, is the architect.

A 12 Cut Light Barre Job

Erected by

J. M. BEERBOWER

At Oak Hill Cemetery, Springfield, Ill.



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Barre, Vt.

Western Representative, J. M. BATCHELDER, Dixon, Ill.

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FULLAM MONUMENT, WOODLAWN CEMETERY, NEW YORK CITY. ERECTED FROM BARRE GRANITE BY THE AMERICAN GRANITE CO.

It's Up to Mr. Ritter.

The Reporter says I. F. Ritter, marble dealer, of Milton, Pa., was robbed of \$50 and his railroad ticket while in Chicago recently, and the N. Y. Granite Co.'s Journal says Mr. Ritter suffered the same fate while in New York en route to Boston. This is certainly rough on Mr. Ritter. We are not surprised that such a thing should occur in New York, but to think of an act of this kind happening in Chicago is really incredible. We have the utmost confidence in the veracity of our esteemed contemporaries, neither of whom would be guilty of publishing a false statement of this kind for any consideration. Can it be possible that Mr. Ritter was actually held up in the two foremost cities in this country, or is he playing our exchanges for free advertising?

* * *

Cross-Eyed Religion.

Religion that lets a man steal extra discounts and allowances from his creditors, and permits him to cancel orders to return goods in order to buy from others, is cross-eyed. A man may be an elder, a deacon or a steward in the church; but if he works the flim-flam game on the people he buys goods from, his religion is not worth the powder it will take to blow it over Gilroy's barn. There is too much of this psalm-singing on Sundays and "shinanagin" on Mondays. The worst of it is, that people try to make themselves believe that this kind of thing is not exactly crooked. We would like to know the difference between a man who gets lots of goods

and holds up the seller for an extra three per cent discount, with the alternative of having them returned, and the highwayman who drops a pistol under your nose on a dark night and requests the privilege of examining your purse or your watch. The man who can make the distinction will beat the devil at drawing fine lines. The only difference we can see is that a man gets the penitentiary in one case, while in the other he usually gets the discount.—Furniture and Upholstery Journal, Toronto.

* * *

A Monumental Surprise.

This week's receipt of "Monumental News, Chicago," with its pictures of "stone tributes", brought to mind a little incident of travel in Germany, says the "Trade Press List," Boston. There had been continual delay owing to the rapid fall in temperature, so that the train did not arrive at Nuremberg until late at night. The short walk from the depot to the "Gasthaus" chilled everyone of the party to the bone, so that when the inn was reached that "nervous, tired feeling" was uppermost. The head waiter, with the usual number of unnecessary apologies, preceded us up the crooked stairway and through the narrow hall, until reaching a low entrance he threw the door open, and, apologizing again with still more emphasis, begged that the lady should enter first. She did! and as suddenly backed out, giving vent to a shrill yell of fright that bunched the party in the doorway, making movement in either direction impossible. When coherency of expression was restored and the shaking forefinger of the frightened member was followed, we saw looming up in the gloomy recesses of the room a huge white porcelain stove, fully eight feet in height, and appearing more like a ghostly tombstone in a lonely graveyard than an innocent oldtime bedroom heating apparatus.

* * *

CORRESPONDENCE

The publisher is not responsible for views expressed by correspondents, but no communications will be noticed having a personal nature or malicious intent. Communications must always be signed, not necessarily for publication, but as an evidence of good faith.

Richmond, Ind., August 26, 1902.

MONUMENTAL NEWS, Chicago, Ill.:

As I am a subscriber and reader of your very valuable journal, I thought perhaps you would be willing to publish a short letter in regard to the trade in this section. I notice from time to time letters from different places and dealers, giving their views and also their troubles. Now, I can say that I am very well satisfied with my trade this season and have very good prospects for fall business. The only thing I have had to contend with here for several years has been a competition that does not pay their bills, their main object seeming to be to beat some wholesaler out of his bill and their competitor out of a job. This sort of competition continues to start up and I suppose the eastern wholesalers and manufacturers are lively competitors for the work. After a while they will have the bag to hold and will then be willing to call another meeting of the Manufacturers' Association to raise the price of granite a few points on those who do pay to make up their losses. If the associations would pay more attention to weeding out irresponsible dealers and less to figuring up the price of granite every few months they would make more money and the business would be on a more satisfactory basis for all concerned. Yours, etc.,

JOHN HALLOWELL.



MAUSOLEUMS, STATUARY, MONUMENTS.

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===== QUINCY, MASS. =====

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OF MONUMENT GRANITE

IN THE WORLD

We produce more high grade stock than all
other quarries in Quincy combined.

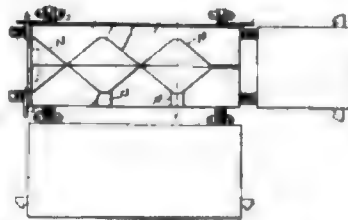
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ESTIMATES CHEERFULLY FURNISHED.

Recent Inventions for the Trade.

Process of Making Decorative Tile.

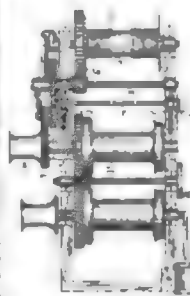
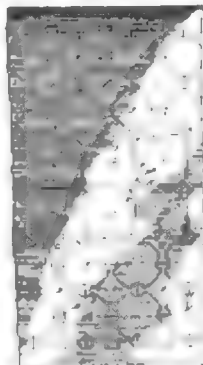
This process was patented by Emile Tabouret, Brussels, Belgium, and consists in sifting powdered materials of different colors one upon the other in layers, then uniting the layers by pressure, and finally removing parts of outermost layers to varying depths at different places. (Patent No. 708,680.)



MAKING DECORATIVE TILE. MOLD FOR MAKING CEMENT.

Mold for Making Cement.

The mold for cement or other plastic material illustrated here consists of a base having ears, each of which has a rectangularly-shaped opening therein; curved portions upon the ears are adjacent to the openings; sides and ends have downwardly-directed projections conforming in cross-section to the rectangularly-shaped openings in the ears, with curved surfaces upon the projections. Straight portions roll upon the curved portions of the ears in raising and lowering the sides and ends in their operation. Patented by R. B. Coltrin, Jackson, Mich. (Patent No. 208,532.)



LIFTING JACK. DESIGN FOR TILE. DERRICK SWINGER.

A Lifting Jack.

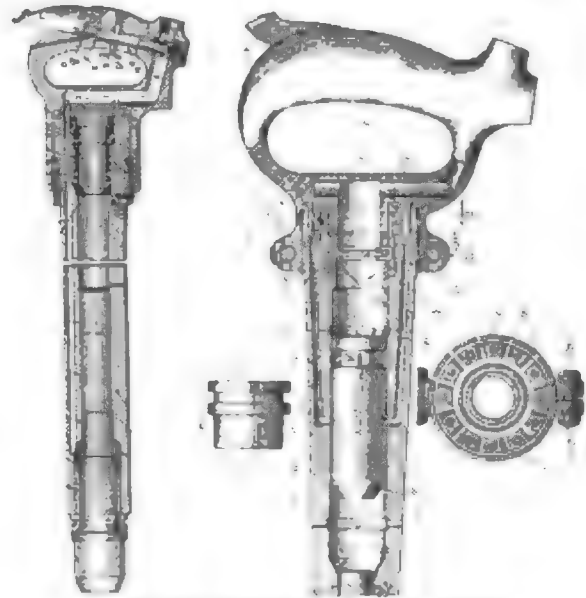
The jack illustrated here was invented by Emmanuel Woodmings, Oakmont, Pa., and consists of the following essential parts: A toothed lifting-bar, a casing provided with a pawl engaging the teeth, an operating lever also having a pawl engaging the teeth, a weight pivoted to the lever pawl, and having one face arranged to act upon the upper pawl, and another face arranged to engage a projection on the casing. (Patent No. 708,948.)

Design for Tile.

The tile shown in the illustration was patented by Alfred L. Flood, of Chicago, and is described as: The combination of a series of surface-forming flat tiles with interlocking edges to form when thus interlocked an extended flat surface, such interlock consisting of a curved recess in the edge of one of the tiles and curved projections on adjacent tiles, two of such projections lying in engagement with each of the recesses. (Patent No. 708,472.)

Derrick Swinger for Hoisting Engines.

This device comprises a hoisting-drum and drum-shaft, and a grooved friction wheel *i* upon the drum-shaft. A swing-drum is journaled adjacent to the hoisting-drum and the swing-ropes *f f'* wound thereon in reverse directions, the shaft *k* journaled between the hoisting-drum and swing-drum. A pair of gear-wheels connect shaft *k* with the swing-drum. The cog-wheel *g'* and reverse lever *j* are on the shaft *k*, the friction-wheels *h'* pivoted upon the reverse-lever and the pinions *l* connected therewith. The gear-wheel *g'* has one of such pinions engaged therewith. The link *p* connects the



TWO PATENTED PNEUMATIC HAMMERS.

shaft *m'* with the bell crank, and the latch *n* and segment *o* are for adjusting and securing such shaft. Patented by Asher Lambert, Newark, N. J. (Patent No. 707,851.)

Two Pneumatic Hammers.

The pneumatic hammer to the left of the third illustration was invented by Charles G. Haesler, Philadelphia, Pa., and consists of the combination of a handle provided with a cylindrical portion having internal left-handed screw threads, with a cylinder having an enlarged end forming a shoulder. The end is provided with right-handed screw-threads, and a circular nut surrounding the cylinder is provided with left-handed threads. (Patent No. 707,920.)

The other hammer described has a cylinder provided with a reciprocating hammer, a handle-base provided with a tubular projection extending into the rear end of the cylinder to close it and provide in connection therewith an annular valve-chamber, a tubular differential controlling valve slidingly mounted in the annular valve-chamber to govern the admission of the motive fluid to the cylinder, means for admitting a constant supply of motive fluid to the smaller area of the tubular differential controlling valve, and means arranged to be operated by the movements of the piston hammer to intermittently admit motive fluid to the larger superficial area of the differential valve to reciprocate. Patented by Henry J. Kimman, of Chicago, assignor to the Chicago Pneumatic Tool Co. (Patent No. 707,515.)



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BRONZE STATUARY DEPARTMENT

UNDER SUPERVISION OF
MR. JULIUS BERCHEM.....

Monumental Bronze Statuary

BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.



MCCLUER MONUMENT. ALLEN COUNTY, OHIO.

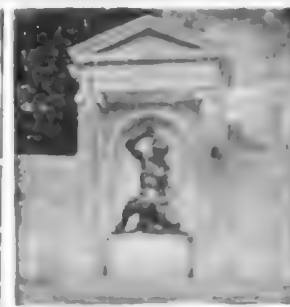
The monument here shown was recently erected in the Ward Cemetery, in the eastern part of Allen County, Ohio, and stands over the remains of the first white child born in that county—Moses McCluer. It is of Bedford stone cut into a fac-simile of a pioneer's log cabin, even the traditional latch-string appearing on the door. The dimensions are three and a half by four and a half feet, and six and a half feet high. It is cut from a single block and weighs six tons. G. R. Os- man, of Lima, Ohio, was the contractor. The photo is by the Clutter Art Studio, of Ada, O., and was furnished The News by the Ada Record, of that city.

Illustrations.

Plates in Photogravure Edition.

Formerly The International Edition.

- NO. 647. DESIGN FOR MONUMENT "WEST," BY James F. Price. Sizes: Base, 6-0X4-0X0-10; Base, 5-4X2-7X1-2; Die, 5-1X2-4X3-10; Cap, 5-5X2-8X1-4; Height, 7-2. Sizes do not include rise of columns.
- NO. 648. DESIGN FOR MONUMENT "WALL," BY R. C. Blocksom, Boston, Mass. Sizes: Base, 5-0X3-0X1-4; Base, 4-1X2-1X1-0; Die, 3-6X1-6X1-8; Cap, 3-10X1-10X1-3; Height, 5-3.
- NO. 649. PHILBRICK MAUSOLEUM, ERECTED IN Woodlawn Cemetery, New York City by the Harrison Granite Co., New York; Barre granite.
- NO. 650. THE WILLIAM HIGH MONUMENT, ERECTED in Cedar Lawn Cemetery, Paterson, N. J., by McDona-ld & Son, of that city; Barre granite.
- NO. 651. SOLDIERS' MONUMENT, DESIGNED AND erected by the Smith Granite Co., of Westerly, R. I., in the cemetery at Bristol, R. I., for the Rhode Island Sol- diers' Home. The monument consists of a circular ped- estal and column of Westerly granite, surmounted by the figure of a color-bearer, and resting on a base fifteen by eleven feet, the chief feature of which is an eleven-foot octagon, with projecting buttresses at each end, on which two mortars are mounted. The total height of the monu- ment is 35 feet, and the cost \$5,000.



"DRAKE MONUMENT," Thruville, Pa.
CHAS. BRIGHAM, Architect
CHAS. H. NIEHAUS, Sculptor
Statue Cast by
Jno. Williams Bronze Foundry.

Jno. Williams

Bronze Foundry and Works

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out the Eastern and Western States.

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and Price List.

Monumental Notes.

A monument in honor of Niels Henryk Abel, Norway's famous mathematician, was recently unveiled in Christiania by the University authorities.

* * *

A monument has been shipped from Japan to be erected in this country in memory of James Boyle, a United States marine who was accidentally killed at Nagasaki, Japan, while on board the war vessel Kentucky. The memorial was paid for by contributions from the officers and men on board the vessel at the time.

* * *

The Ipswich Memorial Society, Ipswich, Mass., recently unveiled three historical memorial tablets, secured through the efforts of the local historical society. One is on the meet-

ing house green to mark the site of the first church, and to commemorate the settlement of the town in 1663. The other two mark the former dwellings of Thomas Dudley and Simon Bradstreet, two of the early governors of the Massachusetts colony.

* * *

Hon. Andrew D. White, United States ambassador to Germany, has become displeased at the delay in erecting the monument to Hamilton S. White at Syracuse, N. Y., for which the contract was let two years ago, and says that unless the work is pushed to early completion, he will add a codicil to his will bequeathing his art treasures to some of the leading universities, instead of to the Syracuse Museum of Fine Arts, as was his previous intention.

Here Are Nine Different Letters from Nine Different Customers

The letters are arranged in alphabetical order, because we would not know how to decide as to which client is the most particular in executing the best of monumental work; but each of these firms are known as representative dealers, whose standing is of the highest. With at least three of these parties who have so kindly written us, we have transacted business for nearly twenty-five years. Please note that all of the letters are dated August, this year. We do not think it possible for any manufacturer to receive, unsolicited, NINE SUCH LETTERS WITHIN TWENTY DAYS of each other, and from NINE SUCH DEALERS.

COOK & WATKINS

IMPORTERS AND MANUFACTURERS OF

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MAIN OFFICE: 219-223 COLUMBUS AVENUE, BOSTON, MASS.

GRANITE WORKS: So. Quincy, Mass. and Addison, Me.

OFFICES: Barre, Vt., Aberdeen, Scotland, Carrara, Italy.

ELIZABETHTOWN, PA., August 2, 1902.

COOK & WATKINS, Boston, Mass.

Dear Sirs:—Enclosed find check in payment of the two Dark Quincy monuments shipped last month. Both are of good stock, and, as usual, no trouble to be found in stock and workmanship of work shipped to me by you.

Respectfully yours, H. U. COBLE.

WESTPORT, N. Y., August 29, 1902.

COOK & WATKINS, Boston, Mass.

Gentlemen:—Enclosed find check in payment for No. 19,282. The monument is a beauty and gives my customer perfect satisfaction. The stock and workmanship is A No. 1 in all respects.

Trusting I may send you more orders soon, I am,
Yours respectfully, A. J. DANIELS.

MERIDEN, CONN., August 7, 1902.

COOK & WATKINS, Boston, Mass.

Gentlemen:—Monument No. 512 has arrived, and I am pleased to say it is an A No. 1 job. I enclose check in settlement.

Yours truly, GEORGE J. GROSSMAN.

RAHWAY, N. J., August 29, 1902.

COOK & WATKINS, Boston, Mass.

Gentlemen:—Enclosed please find check for the amount of your bill in full enclosed herewith. This job was very satisfactory. Have just sold same. Can use another at same price if you can ship within ten days.

Respectfully yours, THOS. JARDINE & SON.

(The above letter refers to one of our stock monuments, Design No. 512, in Dark Barre Granite, of which we have sold one hundred or more this season.)

AURORA, ILL., August 18, 1902.

COOK & WATKINS, Boston, Mass.

Dear Sirs:—Enclosed find draft for large monument, which was satisfactory in every way. Keep this up, and you will receive more orders. The other monument has not arrived yet, but expect it every day.

Yours truly, PETER KAPP & SON.

MILFORD, MASS., August 26, 1902.

COOK & WATKINS, Boston, Mass.

Gentlemen:—The last monument has arrived. I set it in my yard yesterday. It is a first class job from beginning to end, and stock very nice. Splendid design. I thank you for sending me so nice a job. (Design No. 512.)

Respectfully, A. C. KINNEY.

NEW BRITAIN, CONN., August 7, 1902.

COOK & WATKINS, Boston, Mass.

Gentlemen:—The "FUCHS" monument arrived all right and is satisfactory. It is a very nice job, for which accept thanks. Also we inclose check in payment of same.

Very truly yours, I. F. MILES.

ELMIRA, N. Y., August 25, 1902.

COOK & WATKINS, Boston, Mass.

Gentlemen:—The "SMITH" and "PORTER" monument came on August 22. I got it set up Saturday. Parties well pleased with monument. Enclosed find check for same.

Yours respectfully, C. E. RAINEY.

KALAMAZOO, MICH., August 23, 1902.

COOK & WATKINS, Boston, Mass.

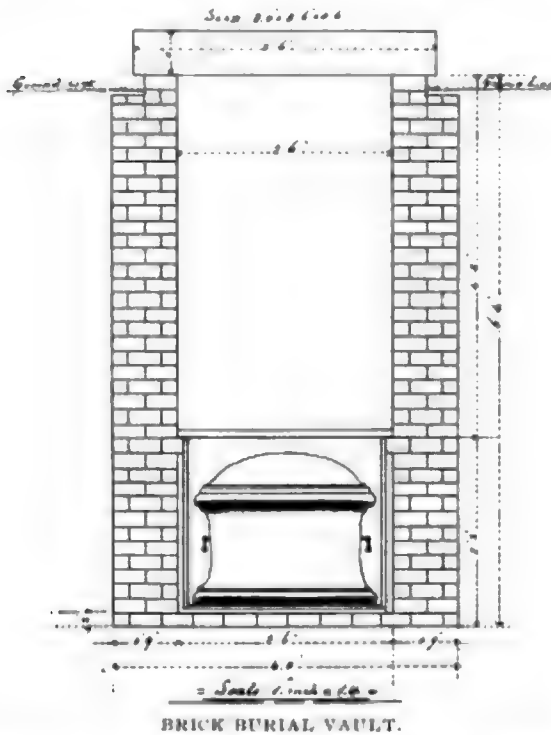
Gentlemen:—The general standard of the excellence of your work, with possibly one or two exceptions, has been such that we have given you this order without asking a price, or receiving one from any other manufacturer.

Yours very truly, WINSLOW & CROOKS.

Notes of Retail Dealers.

Alabama.

A method of burial said to be peculiar to the cemeteries of Montgomery, Ala., is shown in the accompanying illustration of an underground vault, which was made from a sketch furnished by Curbow-Clapp Marble Co., of that city. The vault is built of brick and covered with a granite slab which is usually polished and lettered. The slabs are 8-6 x 3-6, and from 2 inches to 6 inches thick, and are removed when interments are made. When necessary to economize in the cost, a brick arch is used in place of the granite slab. Offsets are



constructed in the sides of the vault, to support marble slabs on which the caskets rest. This mode of sepulture economizes lot space, which is often desirable.

California.

G. H. Bliss has bought a half interest in the business of William O'Brien at Pajaro.

Connecticut.

Love Bros., of Webster, have the contract for the erection of a granite monument at Union in memory of Joseph Armour, brother-in-law of Benedict Arnold.

S. B. Ray, of Moosup, has established a branch in Danielson to take care of a rapidly growing trade in the outlying towns. The branch will be in charge of his brother, Nathan Ray, formerly of Buffalo, N. Y.

The firm of C. D. & H. D. Burnham, of Hartford, is to be dissolved. Chester L. Burnham, the founder of the business, will retire, and his son, ex-Councilman Herbert D. Burnham, will continue the business. The firm has been doing business in Hartford for 30 years and both members of it are well-known citizens.

Georgia.

Amos C. Robbins, a marble cutter in the employ of T. E. Arnone, of Macon, died August 30 at the age of 61 years. He had been a resident of Macon for 40 years, and was a veteran

of the Civil War. He was formerly with the Central City Marble Works.

Miller & Clark, of Americus, have been awarded the contract for the monument to be erected by the state of Pennsylvania at Andersonville. It is to cost \$10,000, and will be of Barre granite. The monument will be 42 feet high and will consist of a shaft on a base 20 feet square, surmounted by a bronze statue.

Illinois.

W. P. Kelley & Co., of Sparta, have incorporated as the Kelley Marble and Granite Co. The incorporators are W. P. Kelley, W. E. Braden, T. M. Smith and R. Westbrook.

Frey & Johnson, of Crete, will remove to Chicago Heights. The Peoria Stone and Marble Company, of Peoria, are to build an addition to their plant.

Richard Mellow, of Lacon, is doing a good out-of-town trade, and is working his force of men overtime to keep up with orders.

Alex. Briggs, of Charleston, is putting in a finishing plant for granite, a building 30x70 feet, to be equipped with a ten horse power engine, polishing beds, pneumatic tool outfit and a fifteen-ton traveling crane. Mr. Briggs is one of the successful dealers of the state, and with his new stone shop 50x130 feet in addition to the building just mentioned, has increased facilities for turning out good work.

Indiana.

Dille & Clemens are building a new shop and salesroom. The shop will be 30x50 feet and the salesroom 20x70.

Wearly & Ware are new dealers at Montpelier.

Business has been very good this year with D. B. Scoggan, of New Castle, who reports having sold more work the first half of the year than he did during 1901.

The monument to volunteer firemen of New Albany, unveiled in Fairview Cemetery in that city September 6, was erected by John Vernia & Son, of New Albany, and modeled by Charles Edwards. The memorial consists of a Bedford stone base surmounted by a marble shaft on which stands a bronze figure of a fireman carrying a babe to a place of safety. The four sides of the shaft are carved with the following emblems: An old hand fire engine, a pair of spanners and hose, two ladders and a fire bucket, and a fireman's hat resting on crossed trumpets.

The Cann-Harshman Monument Co., of Frankfort, recently erected a family monument on the lot of the late John Wise in Anderson. The memorial cost \$1,000.

The office of Busch, Russell & Goltz, manufacturers of monuments and cut stone, at Muncie, was entered by burglars September 11, who blew open a small safe containing nothing of value to the thieves. Considerable damage was done the office from the force of the explosion.

Iowa.

F. H. Connor, of Tipton, has recently erected several good-sized pieces of work in the cemetery at Landon, and several other neighboring towns.

S. A. Easterly, of Nutter & Easterly, at Carroll, recently returned from a trip to the quarries in Vermont for the purpose of securing stock.

Parry & Heald, of the Oakdale Marble Works, at Davenport, have dissolved partnership by mutual consent. Levi S. Heald will continue the business and assume all the liabilities of the old firm.

The Capitol Hill Granite and Marble Co., of Des Moines,

(continued on page 602.)

SERIES No. 7.

AN EXCEPTIONAL COLLECTION OF
ORIGINAL, PRACTICAL
AND UP-TO-DATE **Designs.**

Executed in an Artistic Manner, Closely Resembling Hand Designs.
Representing principally Sarcophagi, retailing mostly below
\$500. In all 22 Designs on twenty-one 14 x 21 sheets, with
sizes and prices.

Price, \$6.00, express prepaid, cash With order.

"Our designs are considered the best of their kind and we refund
the money if not as represented." **ORDER NOW WHILE NEW.**

Hand Designs, Photos, Cases, Etc.

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The Winnsboro Granite Co.

OFFICES: CHARLESTON, S. C.; ROCKTON, S. C.

QUARRIES: FAIRFIELD COUNTY, SOUTH CAROLINA

GREY, BLUE AND
FINE BLUE **GRANITES**

For High-Grade Monumental Cemetery Work, Mausoleums,
Etc.; for Building Purposes.

For fineness of grain and freedom from spots and stains our GRANITES are unsurpassed. Sizes furnished limited only by facilities of transportation.

PROMPT DELIVERY GUARANTEED.

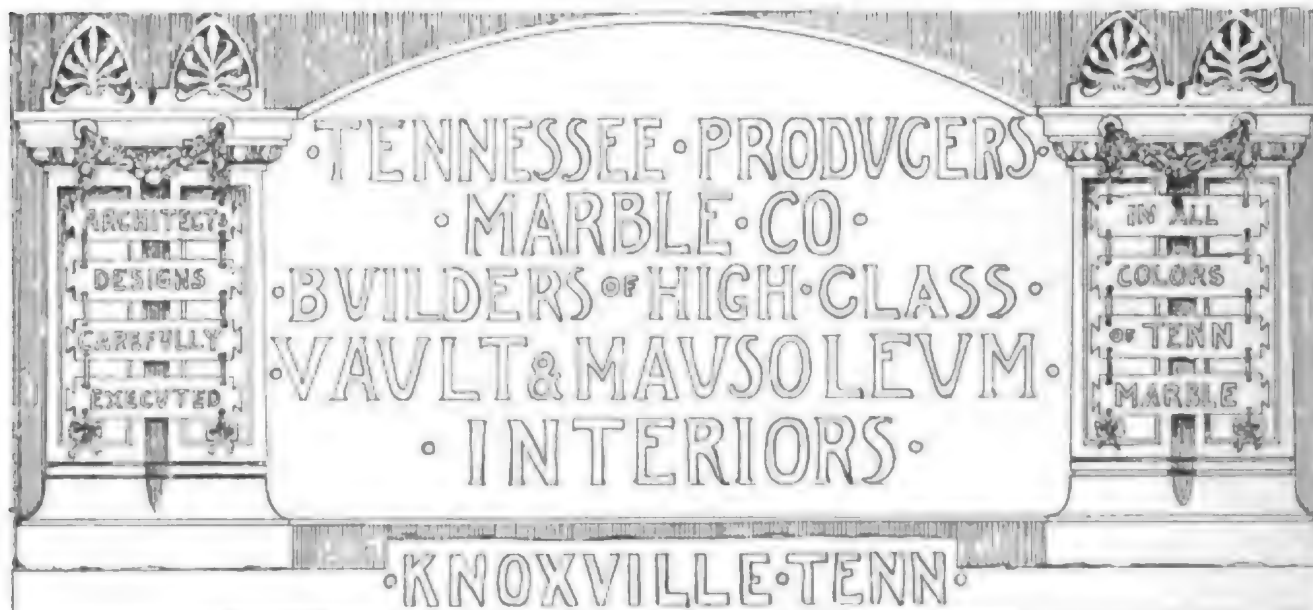
FINERTY'S GRANITE STAIN ERADICATOR

Easily Applied.
Uniform Results Obtained.
You cannot afford to be without it.

PRICE, \$3.00 PER JAR.
Enclose 2-cent stamp for sample.

For the removal of all stains from Granite use the Eradicator.

Manufactured by J. W. FINERTY,
MILFORD, N. H.



(Notes of Retail Dealers, Continued.)

have recently moved into their new plant at 618 E. Locust street, where they have much better facilities.

W. H. Saucer, of Ackley, suffered considerable loss from a fire which damaged the business section of that town during September.

Kansas.

D. M. Jones, of the Columbus Marble Works, at Columbus, has outgrown his present equipment, and will install new machinery and double the size of his plant.

A. H. Garlinghouse, of Sedan, has sold his marble business to his son, Gerald Garlinghouse, and A. C. Warmbrodt. Mr. Garlinghouse will manage the shop and Mr. Warmbrodt will have charge of the outside work.

The Kansas Burial and Monument Co. has been incorporated at Topeka. The directors are: J. T., F. G., and M. D. Barkley, N. W. Mull and J. M. Miller.

Jacob Hurst, of the Garnett Marble Works, at Garnett, has bought the interest of his partner, Thomas Holliday, and will conduct the business alone.

W. G. McKee, of Wichita, recently erected a rustic monument of Bedford blue stone for the Woodmen of the World in memory of Angelo Thompson, a former member of the order. It represents the forked trunk of a tree, resting on a base of three logs. Across the fork is the inscription, "Erected by the Woodmen of the World."

Maine.

The S. J. Nason Co., of South Berwick, will soon remove to Dorchester, where they have established an up-to-date marble and granite plant. They will do business in the new location under the firm name of Smalley, White & Hobbs.

Massachusetts.

D. S. Surrey, of Middleboro, has good contracts in a number of surrounding towns, and reports a very brisk season of work.

Michigan.

M. C. Barney, of Flint, reports a good business in his territory. Among his recent work was a monument erected for James A. Hunt, of Lincoln, in Riverside Cemetery.

George H. Bellinger, who has been doing a good business in Marquette for three years, has taken a partner, and the new firm will be Bellinger & Thurston.

The Ewing Monumental Works, of Coldwater, formerly Ewing & Portner (both now deceased), has been sold to Darwin W. Marsh and Thomas F. Ewing. Mr. Marsh has been in the employ of this firm for many years. Mr. Ewing is a son of the former proprietor and has been the manager since his father's death.

J. R. Corwin, who has conducted a prosperous marble and granite trade at Union City, has recently sold out to Charles Reynolds, of the same place. Mr. Corwin retires on account of age and impaired health.

Robert McKeown, formerly of Red Bank, N. J., has bought a one-third interest in the business of the Anderson Monument Co. at Ionia, L. C. McKee retiring from the firm. They have decided not to remove to Saginaw as was previously reported, and have just finished their new polishing mill, and installed a 15 horse power motor and five pneumatic hammers. They write that trade is very good, and that they are keeping 15 men busy, mostly on good-sized work.

Minnesota.

The firm composed of U. S. G. Henry, Fred and Martin M. Mueller, under the firm name of The Northwestern Monumental Works, at Perham, has been dissolved by mutual con-

sent. Muchler Bros. will continue the business and assume all obligations of the old firm. Mr. Henry is superintendent of the Perham High School.

Information is wanted concerning the whereabouts of Giovanni Orsolino, a stone cutter, several years ago located at Duluth or West Superior. Address Ole Teigen, Crookston, Minn.

New Jersey.

Councilman Samuel Fryer, of Hightstown, erected the boulder monument to mark the meeting place of John Murray, the founder of Universalism in America, and his patron, Thomas Potter, who built a church in the pine woods and waited for the coming of the preacher. Mr. Fryer also delivered an address at the unveiling of the monument on August 17. The boulder was illustrated in these pages last year.

J. H. Walling, of New York City, and John L. and William Passmore Meeker, of Newark, have been awarded the contract for the erection of the monument to the New Jersey soldiers who fell on the Antietam battlefield. The monument, which will be erected this fall, will consist of a base and shaft of granite, surmounted by a bronze figure of a captain of infantry in the uniform of 1862. The base will be hexagonal in form, having one side for each command. The memorial will be of Barre granite and will cost \$6,800.

New York.

The Lautz Company, of Buffalo, will erect a new two-story brick building for their marble works. It will cost about \$5,000.

John P. Weston & Co., of Rochester, have the contract for the erection of a chapel and receiving vault in Boxwood Cemetery, Medina.

W. G. Potter & Son, of Geneva, number among their recent contracts, work in Connecticut and Virginia, as well as in different sections of this state. One of their recent orders was a \$2,500 monument at Rome, N. Y. They have recently added building work to their monument business.

The Flint Granite Company, of Albany, are this year enjoying an unusually busy season, and they now have work on hand to keep them busy well into the winter.

Babeock & Fey, of Hornellsville, send a photograph and an account of the monument recently erected by them for the local lodge of Odd Fellows. The monument is an obelisk of light Barre granite, fine-hammered, and stands 23 feet high. On the front face of the die is the inscription, and a wreath carved in high relief surrounding the three links of the Odd Fellows. The cost of the work was about \$700.

Ohio.

The Smith Monumental Works, of Norwalk, recently erected a handsome family monument on the lot of ex-Mayor R. R. Herrick, of Cleveland, in Lake View Cemetery in that city.

The Danison Monumental Works, of Lisbon, with branches at Somerset and New Lexington, recently erected a Scotch granite monument in the cemetery at New Lexington in memory of Judge James E. Johnson.

W. E. Hughes, of the Hughes Granite and Marble Co., of Clyde, writes to inform us of the incorrectness of our information published in these columns last month to the effect that he had resigned from the firm and was succeeded by Fred Curtiss. Mr. Hughes is still president and manager of the company, and writes that it is capitalized at \$100,000, divided into 500 shares, of which he owns 225 of fully paid-up stock.

The Kronauge Monument Co., of Dayton, has recently been

Continued on page 604

MAINE & NEW HAMPSHIRE GRANITE CO.

QUARRY OWNERS. MANUFACTURERS.

Large Building Work and Mausoleums a Specialty.QUARRIES: Red Stone, N. H.
North Jay, Me.OFFICES: Portland,
Maine316-19 House Bldg.,
Pittsburg, Pa.629 Stephen Girard Bldg.,
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COURSE**

A thorough, brief and quick series to master the details of better stone cutting, patterns, sizes of stone and method of cutting. Everything direct. No waste of time. Everything the quickest. Knowledge makes success, success brings more money. Don't you want some of it? Bluff, gall and guess don't go these times; you have got to know it. Good men are scarce. No samples or set sent to be examined.

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Geometry that is required for the board, sections, developments, short methods, skeletons of tracery, soffit moulds, all kinds of arches, rake moulds, fluting, groins, battered arch, niches straight and circular, raking ceilings, domes, hanging stairs, ribbed ceilings, twisted ashlar and lots of others. Price \$6.

CIRCLE ON CIRCLE.—Series 2.—15 Plates.

All kinds shown, plain and radiant joints, single, triple and battered arches, to make the patterns for a plain and moulded arch; different ways of working; all good. This is easy. \$10.

RAMP AND TWIST.—Series 3.—16 Plates.

Shows how to make patterns and cut the stone of stoop rail, rails from all kind of plans and elevation. Spiral ceiling; every part has a diagram, private methods and stone yard ways. All good. \$10. P. O. or Express Order.

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BARRE, VT.

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**CHARLES S. BALDWIN & BRO.
Granite and Statuary.**

A desirable Monument for Stock. Our Barre Office is in Competent and Practical Hands. A firm that will serve and please you. Estimates cheerfully given. We are Quarry Owners and can furnish you any stock you wish.

**PLASTILINA
FOR MODELING**

IS far superior to modeling Clay and Wax—is Pliable. Shows finest impressions and stays unchanged for any length of time. Requires no sprinkling or damp covering; does not stick to fingers and may be used over and over again. Samples and prices on application.

STROHMEYER & ARPE CO., 33 Water St., New York.

The Mosaic Tile Co.

—MANUFACTURERS OF—

**Ceramic Mosaic Tile**

For Floors and Mural Decorations.

Floors and Wainscots for Vaults a Specialty.

Glaze Mosaic for Mantels, Hearths and Wainscots

Sketches, Estimates and Samples
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Zanesville, O.

Write for Catalogue "C."

**MILLSTONE
GRANITE
QUARRIES****HENRY GARDINER, Sole Prop., P. O., Millstone, Conn.
Quarries Opened in 1830.****THE ONLY GENUINE MILLSTONE, CONNECTICUT, GRANITE.**

Finished Monumental work and Rough Stock wholesale. Certificate of award at the Centennial Exposition of 1876 on Millstone Granite for the good color of the stone, its fine close grain, and good polish, and the marked contrast between the polished and dressed surfaces; a character which gives unusual distinctness in ornamentation and makes it especially adapted to fine cemetery work.

Telegraph and Telephone, NEW LONDON, CONN.

(Notes of Retail Dealers, Continued.)

formed by Frank H. and William J. Kronauge, the former's father. Mr. Frank H. Kronauge was for years connected with Hodges & McCarthy, of St. Louis, as chief draughtsman, making the plans of many fine monuments and mausoleums which they have recently built. Mr. William J. Kronauge is a prominent citizen of Dayton. Their offices are in the Patterson building, and they report their business as being very satisfactory.

Pennsylvania.

Bingaman & Buffington, of Pillow, have completed their new shop.

Daniel McClintock, the marble dealer of Media, also holds the office of town crier.

Felix J. Klein, of Lebanon, writes: "I have done more work this summer than at any time since I have been in business, but there is hardly any profit to be made in monumental work in this part of the country, as some dealers sell at cost just to get the work."



EVANS MONUMENT, PHILADELPHIA, PA.

O. S. Palmer, of McKeesport, writes that business is good this season. He has recently installed new machinery, including a Pross gas and gasoline engine, Hall air compressor, and Kotten pneumatic tools. The monument illustrated in the ad. of George Stratton was erected by Mr. Palmer.

The Evans monument illustrated on this page was erected by M. Herb, of the Philadelphia Granite and Marble Works, Second street and Wyoming avenue, Philadelphia. It is of blue Westerly granite, 42 feet high, and stands on a base 8 feet square. It is a finely finished monument and reflects credit alike on contractor and manufacturer. It was cut by F. Barnicoat, at Quincy, Mass.

Texas.

J. L. Brittain, aged 67 years, formerly a marble dealer at Georgetown, died early in September. He was once sheriff of the county and had lived there for 55 years. He was a Mason, highly respected, and had served with credit in the Confederate army.

The Burnet Granite Company, of Burnet, has been incorporated with a capital stock of \$2,500 by Curt Ueberall, Felix Ueberall, and Otto Zirkel, all of San Antonio.

R. T. Jaegli, of Jaegli & Martin, Brenham, Texas, who was in Chicago last month, says that high freight rates and advances in cost of New England granite have hastened development of granite quarries in that state. The Llano and Burnet quarries are producing a variety of red and gray granite for which there is a constantly increasing demand. Already shipments are being made to dealers in other states. Mr. Jaegli is of the opinion that the time is not far distant when Texas granite will be used almost exclusively by the retail monument dealers of this state; the prices are about as low as those asked for marble 8, 10 and 12-inch dies. A number of retail dealers have put in machinery to do their own manufacturing. Jaegli & Martin contemplate doing so in the very near future.

Lucas & McGrath have bought the property formerly occupied by the Microw Marble Co., San Antonio, and have put in a new equipment.

Tennessee.

Hiram Johnson, a faithful employe at the shop of Samuel Hodgson, Clarksville, Tenn., for thirty-five years, has recently finished an attractive statue monument of Bowling Green limestone for the grave of his late wife. Hiram is a polisher and also cuts limestone and did most of the work on the monument himself.

Wisconsin.

Weeks & Weeks, of the Waushara Marble and Granite Works at Plainfield, and William Belter, of Wautoma, have been looking over the territory in Wood county, with a view to locating a branch there.

* * *

Miscellaneous Monumental Notes.

The will of the late Sarah E. Eggleston, formerly of Upper Sandusky, Ohio, who recently died at Los Angeles, Cal., provides for the erection over her grave of a granite monument to cost \$10,000. * * * Survivors of General Dan McCook's brigade, composed of Ohio and Illinois regiments, dedicated a monument to their commander-in-chief at Kennewick, Ga., in September. * * * The soldiers' monument at Palmyra, Ill., was dedicated during the past month. * * *

The perfected model of the Sherman statue, completed by Lauritz Jenson after the death of Carl Rohl-Smith, was exhibited in Washington for the first time on September 6 in order to enable the sculptor to make any necessary changes before casting the statue in bronze. * * * The Groton Monument Association, Groton, Conn., is to ask the Legislature for an appropriation of \$1,000 for the purpose of repairing the soldiers' monument there. * * * A life-size statue of William Ellery Channing is to be erected in the Public Garden, Boston, Mass.

W. A. LINDSEY CO.
 ...WHOLESALE...
N. Y. and Vt. Marble ♥ New England Granite ♥ Indiana and Ohio Stone
 —MANUFACTURERS OF—
 Lindsey Portable Polishing Machines. Pneumatic Plants Complete. Gas Engines. Air Compressors. Hand Tools, etc.
 316-319 House Building, Pittsburg. 629 Stephen Girard Building, Philadelphia. 1531-1533 Unity Building, Chicago.

While
HALF THE WORLD
 IS IN DARKNESS

WE ARE DRIVING



FOR BUSINESS

BRANDON ITALIAN MARBLE CO. MIDDLEBURY VT.

YOUR ORDERS FOR
Pink Westerly Granite
 FINISHED or in the ROUGH

Will receive prompt and satisfactory attention at reasonable prices.

My plant is equipped with all the latest economical Stone Working Machinery.

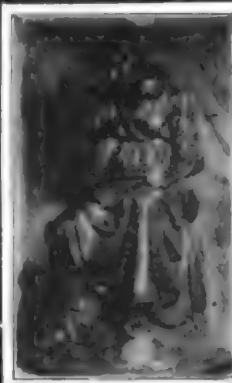
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 Gold, Silver, Bronze, D'Art and Statuary.
 Maker of fine Castings...
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KELLY'S ALBANY JACK



This is one of the
BEST and CHEAPEST STONE JACKS
 in the market, and the price is in reach of all.
 Send for Price List.
 Made by
L. J. KELLY
 ALBANY, NEW YORK.

When in Need
 of Pipe, Collars and Ornaments Wedge Lead and All Cemetery supplies.

Write for catalogue of vases and chairs, catalogue of cemetery supplies.

JOHN McLEAN,
 298 Monroe St., New York City
 Bronze Doors and Grilles. Memorial Tablets.



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1881. THE QUINCY CO-OPERATIVE GRANITE CO., 1902.
 QUINCY, - MASS.

If so, read the following: When in need of good stock, good workmanship, and an all-round job, send your sketches right along this way.

A No. 1 is our Trade-mark.

At the QUARRIES

Barre, Vt.

From Our Regular Correspondent.

"Everything going along about as usual." "Plenty of orders for the present, and a good prospect for the future;" "no rush, but work for all, and all at work." Such, in substance, is the general opinion of our manufacturers as to the business of the past month. If one firm has discharged a few men for lack of work another has taken them on for the opposite reason, and very likely the former has had to increase its force to the old number within a few days.

The Exchange reports that the average amount of business has passed through its hands. There has never been a better season for work both at the quarries and the sheds. The cool weather has made it easier and safer for all, and there has been much less sickness.

The North Barre Granite Co. has moved into its fine new plant, which is one of the latest models of the straight shed with overhead derrick. It is considerably wider than any of the others of this kind, which is proving an advantage. J. B. Reinhalter & Co. are also occupying their new plant at North Barre, though, as the bridge across the river is not quite complete, they are not reached as yet by the railroad tracks. This deficit will be remedied in a few days. Meanwhile they are as busy as they can be under the circumstances. R. M. Fraser, at Montpelier, has the new shed, which is to take the place of the one destroyed by fire a few months ago, nearly completed. It is one of the new models. The Leland & Hall Co. have also nearly completed their plant at North Barre, which is of a similar design, and fully equipped with the latest improved machinery. They expect to occupy it early in the month. This firm recently established a new record here. Early in the month an order was received from Hammond, Ind., for the cornerstone of the new city hall to be laid Sept. 18th. It was to be 3 ft. 2-in. x 3 ft. 2-in. x 2 ft. 6-in., with two sides polished, and on one of them more than two hundred sunken letters. The stock could not be delivered to the cutters until 8 a. m. of the 6th. By working day and night it was ready for shipment by the 11th, and to insure its arrival at the date needed, it was sent by express, the charges amounting to \$150. This is the first time that a shipment of rough stock or finished work has been made in this manner from this place.

The quarries are so busy and so much rough stock has to be moved that the Barre railroad has had to run

a train every night from the hill. The Baldwin Locomotive Works at Philadelphia have a new engine, larger than either of the two now in use, nearly ready for delivery, which will enable the railroad to catch up with its work, and keep up with it, for a time at least.

In one of our daily papers "Manufacture" gives the following figures and facts, showing some of the results of the establishment of the exchange during the few months of its existence:

"In April, 1900, there were 1,302 cutters employed, in June of the same year 1,280 and in August 1,253. In April, 1901, there were 1,244 cutters employed, in June of the same year 1,260, and in August 1,331. In April 1902, there were 1,383 cutters employed, in June of the same year 1,360, in July 1,374, and in August 1,356. The above figures show that there has been more men employed cutting granite since the Exchange started, up to the present time, than there has been at any previous time in the history of Barre.

The above figures do not include apprentices, of which there are not less than 200. Neither does it include members of manufacturing firms that cut stone themselves. And if this matter was looked into in Montpelier and other nearby places where Barre granite is manufactured, the same good results would be found.

The class of work has been just as large as at any previous time, and the quality of work turned out has been much better. The writer finds on looking over his books that the firm he is interested in have had the best summer's business they ever had. The Exchange came here to stay and it is going to stay."

Quincy, Mass.

From Our Regular Correspondent.

Trade during the month passed has not fallen off to any appreciable extent and conditions promise well for an excellent winter business. Stock shortage which has hampered the manufacturer in the past is fast disappearing and quarry owners are on the alert, filling all accumulated orders. This late condition is of every benefit to the manufacturer, for with plenty of the essential in his yard, he will no longer be delayed in completing orders "on time."

John Fallon & Sons have been awarded the contract for furnishing 18,000 tons of rough granite to be used in the construction of rip-raps around Nut Island on the city's water front. The stock must be delivered prior to December 1st, 1902. The work will be done in connection with the construction of the Metropolitan sewer system, whose outlet will be at this point.

The Quincy Granite Quarries Company is making a special effort to deliver medium stock within two weeks from the date of the receipt of order. The plan already in vogue is meeting the appreciation of the

WELLS, LAMSON & COMPANY, BARRE, VT.



BARRE GRANITE QUARRIES.

OUR SPECIALTIES:

MAUSOLEUMS

MONUMENTS

GRANITE STATUARY

ROUGH GRANITE

Squared and Polished Blocks

Large Boulder Monuments

Any size to the limits of transportation furnished promptly.

ALWAYS WRITE US FOR PRICES.

DILLON & HALEY

MANUFACTURERS OF

..HIGH-GRADE MONUMENTAL WORK..

DIES, CAPS AND
BASES POLISHED
FOR THE TRADE.

FROM SELECTED

BARRE GRANITE
MONTPELIER, VT.

OUR WORK IS
GUARANTEED to
be FIRST CLASS.

The best attention to shipping orders is insured by our thoroughly modern equipment, comprising traveling derrick, air compressor and pneumatic tools, a thirty horse-power electric motor and improved polishing mills.

SHIPPING FACILITIES UNSURPASSED.

THE NORTHERN NEW YORK MARBLE CO.

GOUVERNEUR, N. Y.

Producers and
Finishers of

Dark Blue Northern New York Marble

Also operating in connection the quarry and plant of the EMPIRE MARBLE CO., with unexcelled quarrying facilities and well equipped manufacturing plants, we are prepared to furnish promptly the best **Dark Blue Marble** sawed and finished in a most satisfactory manner for **Monumental and Building Purposes.**

SEND FOR PRICE LIST OF FINISHED MONUMENTS

(At the Quarries, Continued.)

manufacturer. The company is supplying the stock for the construction of the abutments of the new Fore River bridge, as well as the granite in the following new building enterprises: Sturtevant Blower Works, Readville, Mass.; mammoth round house for the Boston terminus of the New York, New Haven & Hartford R. R., and the coal pockets for same company at same location, Boston.

George Prout & Sons will occupy the cutting plant made vacant by the dissolution of the firm of Craig & Richards. Their new location will bring them nearer to the freight facilities afforded at the Quincy Adams depot on the New York, New Haven & Hartford line.

Quarry Notes.

Charles Young, formerly interested in granite quarries at Granite Heights, Wis., has, in conjunction with Frank O'Connor, of Emmet, purchased 100 acres of granite land four miles west of Mosinee, Wis. The stone is reported to be a bright red, of excellent quality.

The Hudson and Chester Granite Co., Chester, Mass., is to install new machinery, and enlarge its quarries and yards. The part of the quarry that is now being worked is down to a depth of about 100 feet, and engines and derricks have been placed to open up a new face. A new hoisting engine and derrick will also be put in at the yards, and two polishing machines are to be added before cold weather.

A union was organized recently at St. Johnsbury, Vt. This is said to be the outcome of a refusal of the Barre quarrymen to furnish stock for the local manufacturers unless they operated union shops. There are six granite firms there and there was no opposition to the organization of the union. The eight-hour schedule is now in force.

The reported strike at the Bedford (Ind.) quarries, mentioned in these columns last month, is said to have affected only one mill, and has been satisfactorily adjusted. It was due to a disagreement in regard to pay for the noon lunch time, and was settled by the company agreeing to shut down the mill at the noon lunch half-hour, instead of working part of the force as had been customary. Since this mill resumed operations everything has gone along smoothly, and there is not likely to be any more trouble growing out of the disagreement.

The Milwaukee Granite Company, recently organized at Milwaukee, Wis., is said to be in competition with the newly incorporated Western Consolidated Granite Company. The Milwaukee concern has filed articles at Madison, with a capital of \$75,000, and the deal for two good granite ledges in Marion township, Waushara county, is said to have been closed. The plant will be in charge of W. W. Walker, a successful granite dealer of Maine and Wisconsin. It is stated that a force of 100 men will be put to work soon and necessary buildings at the ledges will be built. The incorporators are Charles J. Dixon, Alvah F. Remington and Arthur S. Friend.

The company of which mention has been made in these columns, organized to develop granite quarries in Oklahoma with a manufacturing plant at Topeka, Kan., is reported to have found a rich field in Greer county, Oklahoma. Report says that the granite is present in large quantities and can be taken out in blocks of large size. It is red in color and is said to somewhat resemble the Scotch Peterhead granite. The

Those to visit the trade during the month past were: Mr. Eisenbrown, of Eisenbrown & Co., Reading, Pa.; Mr. Nickerson, Hyannis, Mass.; A. J. Pontas, Waltham, Mass.; J. C. Blake, Athol, Mass.; Mr. Fox, of Fox & Becker, Middletown, Ct.; Mr. Mason of the Mason Monumental Co., Columbus, O.; Mr. Haegner, of Wolfe & Haegner, Appleton, Wis., and W. Peverley, of Peverley Bros., Philadelphia, Pa.

The amount of granite shipped from the several terminals during August was: Quarry Railroad, 2,210,110 pounds; Quincy Adams, 4,473,091 pounds; West Quincy, 4,276,435 pounds. Total number of pounds, 10,959,636.

Chicago, Rock Island and Pacific railway has recently extended its lines into the territory.

The Milwaukee Monument Co., Milwaukee, Wis., have recently bought a half interest in the Wisconsin granite quarries of Olson & Magnuson, and have also bought another quarry in that vicinity. Mr. Olson, who sold his interest in the quarries, will be employed as superintendent. This firm is erecting in Milwaukee one of the largest granite plants in the country for the purpose of handling the eastern and Wisconsin granites for the western trade. The main shed will be 352 by 64 feet, and the power will be furnished by two 100-h. p. boilers and a corless engine of 175 h. p. capacity. Mr. Otto Rahmann, secretary of the company, recently returned from a visit to the eastern quarries.

It is said the Quincy Granite Quarries Company is to be re-organized and it is proposed to form a new corporation under New York laws, to be called the Quincy Granite Company, to provide for extensive improvements to the properties, including a modern power plant, and to furnish working capital to finance large contracts for material. The new company will have a capital of \$1,000,000 common stock, \$1,000,000 7 per cent preferred stock and \$1,000,000 6 per cent 20-year mortgage bonds. Present bondholders are entitled to receive for each \$1,000 bond, \$500 in new bonds, \$250 in new preferred and \$250 in new common, and cash for the interest due Sept. 1, 1902. Present stock is entitled to receive \$100 in new preferred stock in exchange for each four shares of present stock. The present company has \$800,000 mortgage 5s, \$1,750,000 stock, and \$200,000 floating debt.

Fraucis S. Gross, of the Lee Marble Quarries at Lee, Mass., died recently at the age of 67 years. He was well known as the proprietor of one of the best white marble quarries in the country. His first venture in large work was a million-dollar contract to furnish the material for the City Hall at Philadelphia. He afterward furnished stone for the Drexel building, the Pennsylvania Mutual Life Insurance building in Philadelphia, state house at Boston, Warren Chambers building, soldiers' home in Washington, clearing house and many business buildings in New York, and some of the finest structures in the United States. He had made for the United States government over 100,000 soldiers' headstones, and had just received a contract for 9,000 more. The business will be settled by C. H. Gross, the other partner, and a new firm organized by admitting into partnership W. H. Gross, of Lee, and Mrs. James G. Rambo, of Trippe, Pa. E. W. Ely will continue as local manager.

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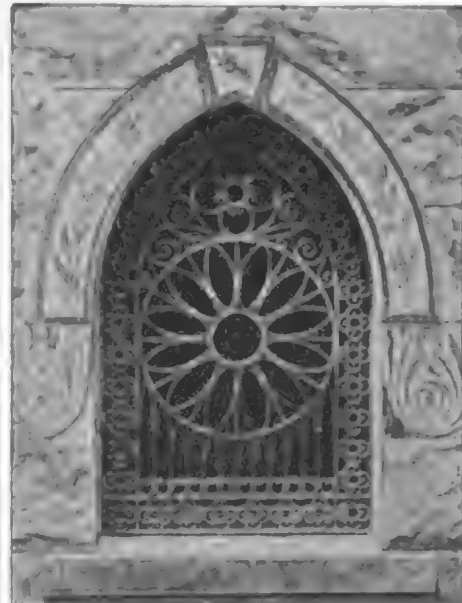
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PROPOSED MONUMENTS

OCEAN GROVE, N. J.—A bronze statue is to be erected to the memory of the Rev. Dr. E. H. Stokes, the first president of Ocean Grove.

BRIDGEPORT, CONN.—A permanent organization of citizens has been formed for the erection of a monument to James Beardsley, to stand in front of Beardsley Park. The funds are to be raised by popular subscription.

REIDSVILLE, N. C.—At an early date the people of this section will erect a monument to the memory of the late Governor Reid, the first free suffrage governor of North Carolina. His remains are buried in Greenview Cemetery here and the grave is unmarked.

BALTIMORE, MD.—President Burke, of the Ancient Order of Hibernians, of this city, has appointed a committee to raise funds for the monument to Robert Emmett to be erected by the order in Druid Hill Park, and designs are soon to be invited from sculptors.

BIRMINGHAM, ALA.—The Jefferson County Medical Society is engaged in the work of raising funds for a monument to Dr. Jerome Cochran, the founder of the Alabama Medical Association. Dr. Elias Davis is a member of the committee in charge.

LITTLE ROCK, ARK.—Senator Byron Price is to lead a movement to secure an appropriation from the next Legislature for a soldiers' monument in this city.

ALMONTE, ONT.—A monument is to be erected to the memory of J. W. Munroe, M. P. P. for North Renfrew, who died suddenly after the last elections. The memorial is to cost about \$2,000.

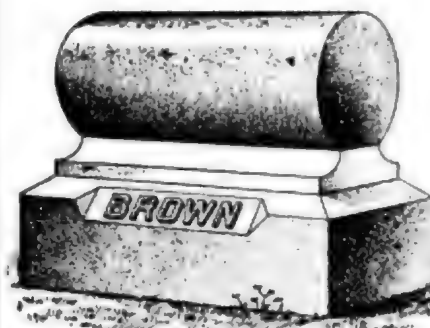
WASHINGTON, D. C.—A movement, headed by District Commissioner Henry MacFarland, is on foot for the erection of a monument here to Alexander R. Shepherd, the last governor of the District of Columbia, who rescued Washington from a swamp and laid the foundation for the plans which have since made the city beautiful.

PORTLAND, ORE.—The Lone Fir Monument Association is making rapid progress in raising funds for a monument to soldiers of the Spanish war, and expects to be able to begin work on the memorial this fall. N. W. Ogilbee is secretary of the association.

MINNEAPOLIS, MINN.—A movement is

(Continued on page 612.)

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(Proposed Monuments, Continued.)

well under way for the erection of a monument to the memory of undergraduates and alumni of the University of Minnesota who enlisted for the Spanish war. The intention is to raise \$5,000, of which all but \$1,800 has been contributed. Prof. Arthur E. Haynes, of the University, is chairman of the committee in charge.

GREENSBORO, ALA.—The congregation of the late Bishop Wilmer is at the head of a movement for the erection of a monument to his memory to be located in this parish.

BROOKLYN, N. Y.—The movement to erect a monument to the late General Sigel is making good progress. The board of managers of the Brooklyn Arion have recommended that that organization join in the work. General Stewart L. Woodford is chairman of the committee in charge of the funds.

CAPE COD, MASS.—The Pilgrim Memorial Association, formed for the purpose of erecting a memorial to the Pilgrims on Cape Cod, has elected these officers: President, Capt. J. H. Sears, of Boston; treasurer, Howard F. Hopkins, of Provincetown; secretary, Osborn Nickerson, of Chathamport.

FRANKLIN, MASS.—Franklin Post No. 60, G. A. R., is in charge of a movement to erect a soldiers' monument here. It is planned to raise about \$4,000, of which F. A. Newell, of Attleboro, has contributed \$1,500. Capt. Rudolph Summers is a member of the committee in charge.

DUBUQUE, IA.—A committee is at work raising funds for a monument to soldiers from this county who served in the Spanish war. The memorial is to cost about \$7,000, and the intention is to erect it in Jackson Park. The fund now amounts to about \$4,000.

HOUGHTON, MICH.—A movement is on foot here for the erection of a monument to the Rev. Father Terhorst, a missionary to the Indians, who died last year. Rev. Father Rezek is in charge of the plans.

GREENSBORO, N. C.—Active steps are being taken to erect a monument to the memory of Judge Schenck in rec-

Continued on next page.

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(Proposed Monuments, Continued.)

ognition of his efforts in reclaiming and preserving the old battleground at Guilford Court House. J. W. Scott, of Greensboro, is treasurer of the fund.

CHICAGO, ILL.—A statue of the late President McKinley is to be erected by the South Park Board in the new McKinley Park. The board is to contribute \$11,000 toward the monument and Park Commissioner D. F. Crilly, who is in charge of the fund, is to raise any other funds needed.

PORTLAND, ME.—A movement has been inaugurated for the erection here of a monument to William Pitt Fessenden. Definite plans have not been formed.

PITTSBURG, PA.—The association for the erection of a monument to Colonel A. T. Hawkins in Schenley Park has issued specifications governing the preparation of models for competing sculptors. Models must be submitted by December 1, when the committee will meet in New York to select a design. Major W. J. Diehl is chairman of the association. The committee on selection is composed of Daniel C. French and Thomas S. Clark, of New York, and Director John W. Beatty, of the Carnegie Institute.

DES MOINES, IA.—Henry Scott, of New York, is to erect in this city a monument to his uncle, Wilson A. Scott, one of the pioneers of Des Moines. The memorial will cost about \$30,000.

CELESTE, TEX.—Albert Sidney Johnston Camp, Confederate Veterans, is leading a movement for the erection of a soldiers' monument in Hunt county.

NORTH BREWER, ME.—Nine committees have been appointed by the North Brewer Monumental Society for the purpose of raising funds for a soldiers' monument. G. B. Gilbert and H. J. Jordan are in charge of the funds.

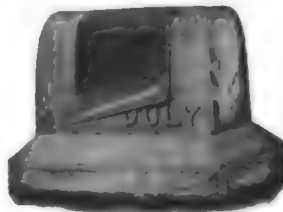
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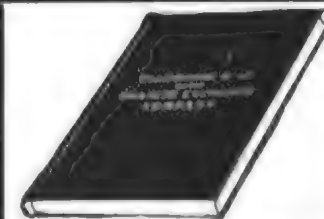


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The plot of ground is about 200x150 feet, running through from street to river, and fronting 150 feet on each and has a railroad siding, and also facilities for unloading and loading boats. The mill contains boilers, 30 H. P. engine, 3 large gangs, 3 rip saws, Hawley sand feed, rubbing bed, 2 polishing machines and a power hoist to run a derrick of 20 tons capacity. The mill and cutting shed is heated with exhaust steam. In addition to the above the property includes derricks, office building, barn, horse wagons, tools, etc. There is also a stock of Granite and Marble on hand. The plant is in complete running order. A favorable proposition to lease will be entertained.

If any party or parties wish to investigate this matter, and will write me, I will place them in communication with the owners of the plant.

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PICNIC TRAIN CARRYING EMPLOYEES OF THE BLUE RIDGE MARBLE CO., NELSON, GA., AND PARTIAL VIEW OF THE COMPANY'S PLANT.

What Our Advertisers Are Doing.

J. C. Ayers has embarked in business as a monumental designer for the trade at Mansfield, Ohio. Mr. Ayers has had considerable experience in the offices of well known wholesale dealers and is familiar with the wants of retail dealers.

Jones Brothers, granite manufacturers, Boston, Mass., sent their friends in the trade a nickel plated match safe as a souvenir, of the twentieth anniversary of their establishment. They commenced business September 22, 1882.

Charles S. Baldwin & Bro., wholesale dealers in Scotch and American granite, Zanesville, O., have recently invested in quarry property at Barre, Vt. The property is contiguous to the best dark quarry on Millstone Hill and its further development is expected to begin soon.

The Blue Ridge Marble Co., of Nelson, Ga., has been awarded what is said to be the largest marble contract ever given to the South. It is for the new United States government building at Tampa, Fla., which is to be largely of marble and will cost about \$300,000. More than 200 carloads of Georgia marble will be required for the building. Vermont marble was also in competition for the contract.

The Smith Granite Works, Westerly, R. I., were the contractors for the monument recently erected by the surviving members of the 26th Regiment Connecticut Volunteers, at Norwich, Conn. The memorial is 29 feet high, and cost \$2,000, of which \$1,000 was contributed by the state, and the rest by popular contributions.

Plastilina, the new modeling clay, is used in the same manner as clay or wax. It is not affected by atmospheric changes, and preserves uniform plasticity and softness, never becoming dry or mildewed. It is always ready for manipulation, clean to handle, and adapted to small as well as large work. It will not stick to the tools, and it is said gives a finer cast, and the model can be transferred to plaster without any further preparation. Strohmeyer & Arpe Co., New York, import Plastilina and supply it to sculptors and the marble trade.

Canton Brothers, quarry owners and manufacturers at Barre, Vt., will move into their new and commodious shop this month. The building is 190x64 feet, equipped with a Lane 20-ton power crane, an Ingersoll-Sergeant 50-horsepower compressor, pneumatic tools, polishing mills and other up-to-date machinery. At their quarries they have recently put up a 65-ton derrick and are now prepared to meet the demands of their growing trade. Their quarries produce a good quality of fine grain light and medium stock, which they ship in the

rough, or squared and polished. H. C. Moody, Cedar Rapids, Ia., western agent for Canton Brothers, has established an extensive trade for them in his territory.

Years ago that eminent American sculptor, Mr. J. Q. A. Ward, being anxious to demonstrate the ability of an American foundry to cast bronze statuary equally as good as it could be done abroad, entrusted to the Henry-Bonnard Bronze Co., of New York, his statue of George Washington, which stands before the sub-treasury building in Wall St. A list of American artists who have since that time availed themselves of the facilities of this foundry would include the names of most of our best known sculptors. It is doubtful whether any foreign foundry can make castings any larger if as large as have been turned out here. A notable example being the body and legs of the equestrian figure of Washington, of heroic size, cast from the model of Messrs. French and Potter. The continued popularity of this foundry with the sculptors is evident from the amount of art bronze work for which they now have contracts. These include five equestrian statues, three seated figures and twenty-nine standing figures, for different sculptors, in addition to which the company also has contracts for a large amount of architectural bronze work.

The accompanying illustration will introduce to the granite trade Mr. James E. McGrath of Boston, Mass., Traveling Freight Agent for the New York, New Haven and Hartford



J. E. MC GRATH.

Railroad Co., who is assigned especially to the territory covered by the Boston and Maine System and other roads in Maine, New Hampshire, and Vermont; superseding Mr. W. H. D. Cochrane, who formerly looked after the "New Haven's" interests in these states. Mr. McGrath cordially solicits the good will and business of the shippers from this territory who can use his lines to their mutual advantage.

The Growth of An Immense Industry.

Twentieth Anniversary of Jones Brothers, No. 161 Summer St., Boston, Mass.

On Monday evening, Sept. 22d, the firm of Jones Bros. and their office employees met at Young's Hotel to celebrate the twentieth anniversary and growth of their mammoth business.

Twenty years ago the firm, composed of Mr. M. W. and S. W. Jones, commenced business at 55 Kilby street, in one small room, and had in their employ one boy.

Today the firm comprises Mr. M. W. Jones, S. W. Jones and H. J. M. Jones, and are located at No. 161 Summer street, rooms 80-81-82-83 and 84, and the following employees show their appreciation to their employers by their years of hard work:

A. W. Poor, head designer, has been with the firm twenty years; J. Mardon, bookkeeper, eighteen years; F. E. Schneider, designer and draughtsman, sixteen years; G. S. Bartlett, salesman, fourteen years; Stanley Sullivan, salesman, seven years; W. C. Paramore, salesman, seven years; Miss C. L. Nicholas, stenographer, nine years; Miss K. G. Buckley, assistant bookkeeper, four years; G. F. Wood, clerk, three years.

Besides the above employees there are about 350 workmen at Barre, Vt.

Supper was served at 7:30 p. m. and during the banquet many anecdotes and stories were told of the early struggling days of the firm. Mr. M. W. Jones, who had just returned from a fishing trip, told the story of the big fish he caught but lost, which was very laughable.

The reading of a humorous poem by the office poet, Mr. John Mardon, brought the pleasant occasion to a close about 10:30 p. m., all wishing Jones Bros. continued success.

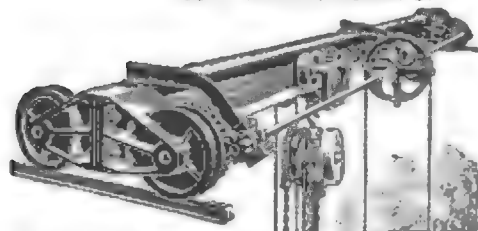
Use Finerty's Eradicator when in need of something to remove stains from granite. J. W. Finerty, Milford, N. H.

* * *

The people of Machias, Me., are preparing to erect a suitable memorial over the grave of Hannah Weston, who during the first naval battle of the Revolutionary War carried from her home in Jonesboro, to Machias, a distance of sixteen miles, through a wilderness infested with hostile Indians, a supply of ammunition to be used by the patriots under Capt. John O'Brien in the attack on the British man-of-war Margareta. The Hannah Weston chapter, Daughters of the American Revolution, are at the head of the movement.

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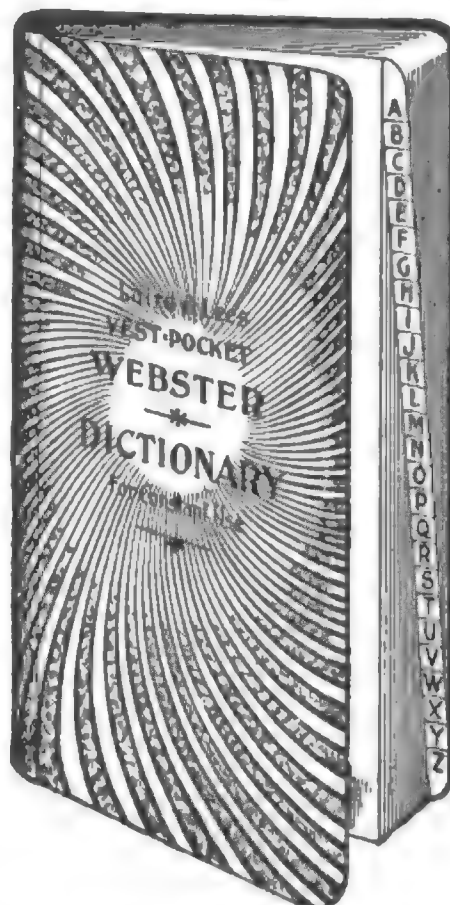
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any year between 1700 and 2499. Complete GAZETTEER OF THE WORLD, Revised. Marks of punctuation and how to use them; Forms of Notes, Due Bills, Receipts, Etc., Etc. Use of Capitals, Latin Words often met with. Values of Foreign Coins and many other interesting features. Fully indexed. 2 1/2 x 5 1/4 inches. Cloth bound, 25c. Leather binding, 50c. Sent postpaid on receipt of price. X X X X X X X X

R. J. HAIGHT,
324 DEARBORN ST., CHICAGO.



THE MONUMENTAL NEWS.

A Monthly Journal of Monumental Art.

Vol. XIV. Chicago, November, 1902. No. 11.

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*Illustrated.

Imported Statuary Not Free.

In a report of an import decision from Washington, published in our last issue, the statement was made, taken from a recent decision of the Board of General Appraisers, that:

"Statues cut, carved, or otherwise wrought by hand from a solid block or mass of marble, alabaster, or other material specified in paragraph 454, tariff act of 1897, by a professional sculptor, or under his direction or supervision, are entitled to *free* entry under said paragraph, without regard to the purpose for which they are to be used, the degree of artistic merit they possess, or the fact that they are copied from the work of other sculptors."

The board has since issued a correction for that statement which omits the word "free," making it read that the articles are "entitled to entry" under paragraph 454. The statement as first issued by the department at Washington was self-contradictory, since goods could not be "free" under paragraph 454, which specified a duty of 20 per cent. This duty is

still in force, the error being merely a clerical one at Washington.



The Porter Statue, Portsmouth, N. H.

The city government of Portsmouth, N. H., has apparently settled the problem of the Fitz John Porter statue, which has been a contention for the past two years. In 1891 Mr. R. H. Eddy left a bequest of \$30,000 to provide for this monument, but the citizens have been averse to the action of the committee having the matter in charge, in that it decreed to award the contract for the work to a certain sculptor instead of inviting designs from other sculptors. The city government voted to accept the report of the committee, which is not satisfactory to the citizens. An argument of the committee has been that General Porter approved of the model and had asked the city council before he died to accept it. The citizens are hoping they may not be disappointed in the final work, and this appears to be all the voice they are permitted. Here is another aspect of the public monument question, a further testimony to the fact of the necessity of an available art commission, in whom the people can place confidence and whose decisions they can respect. To be anything an equestrian statue must be a work of art, or it falls into the ranks of the mediocre crowd of which we have already enough.



Infringement of Patented Monument Design.

It will be interesting for monument dealers and designers to note that the courts have sustained a patented design for a monument and awarded damages for its infringement. In a recent decision handed down by the United States Circuit Court of the northern district of New York, William H. Young, of Young & Sons, Troy, N. Y., was awarded damages of \$250 and costs against Dennis Daley, of Cohoes, N. Y. for copying a monument for which the complainant held patent No. 27,115, the design in question being a three-piece rockface sarcophagus. The decree of the court, of which we have received a copy holds that Mr. Young is the sole and exclusive owner of the design, and enjoins the defendant from manufacturing, using, or selling the monument or any monument embodying the design or any colorable imitation for the term for which the letters patent are valid. It is understood that C. E. Tayntor & Co., of New York, who hold letters patent on the construction of a vault roof intend bringing suit against a Philadelphia con-

cern for infringement of their patent in the construction of a vault now in course of erection.



A Quiet Fall.

Manufacturers and dealers say that the early fall months have not witnessed the usual degree of activity in the placing of orders for monumental work. This may be attributed in part to the coal strike which has menaced so many branches of industry. With its adjustment, however, it is reasonable to anticipate from other conditions a fairly busy winter for the manufacturers. The demand made by the granite cutters at Barre, Vt., for an increase in wages to take place March 1st, 1903, behooves retail dealers to place their spring delivery contracts for Barre work early in the winter.



A Trust Would Not Succeed.

Apropos of repeated efforts to evolve a satisfactory plan for the manufacture and sale of granite monumental work at quarrying centers it is frequently asserted that the only way to maintain prices and properly market the product is to have the quarrying, manufacture and sale controlled by one concern. This it is claimed would entirely eliminate the un-businesslike competition that interferes with the satisfactory progress of the business as now conducted. Theoretically such a plan presents advantages that seem alluring. In practice, however, it is extremely doubtful whether the end would justify the means. The profits on the business done might be enhanced, but the volume of business would be likely to be adversely affected because of the aversion to trusts by the people generally and dealers in particular. There are too many good granites to be had to insure the success of such a plan designed to control the product of any one place.



Educating Cemetery Lot Owners.

In the address of the retiring president of the Association of American Cemetery superintendents at the recent meeting in Boston, reference was made to the lack of cemetery literature, calculated to keep the lot owners and public informed on modern ideas and practice in cemetery affairs, and in the August *Atlantic* there appears a very severe criticism of prevailing cemetery crudities, including monuments, epitaphs and temporary memorial decorations. If the lot owners could be led to think along the lines suggested in the above, reform in every cemetery would be the order of the day. Every cemetery organization should consider it not only a duty, but a business policy, to place before its lot owners such literature as will serve to enlighten them in regard to the methods adopted in the best kept cemeteries of today. Many cemetery corporations issue annual reports in which rules and

regulations, and some illustrations of principal monuments and special features are shown, and neatly illustrated booklets containing suggestions to lot owners, based on the best modern practice, are distributed that are of great value. The line of education to be impressed is that, according to up-to-date ideas, the cemetery must be considered and treated as a whole; each lot properly treated improves its neighbor and so on, and as soon as this is realized, dividing lines will disappear, monuments and markers will be selected with discretion and in strict accord with the rules and regulations formulated to make and keep the cemetery beautiful.



Public Statuary.

The time has come when so far as park or public statuary is concerned the old saying that "one must not look a gift horse in the mouth" must be disregarded. It is a fact that, as a rule, the statues that adorn our streets and parks have been gifts of public spirited citizens or associations, and in consequence the questions of art value and appropriateness have not been given that due consideration so important and necessary in public statuary. In accepting or devising monuments or sculpture for public places it is absolutely necessary that the future be considered, and whatever is placed, it must be a work of art, which although it may not hold its place in comparison with the art of the next generation, must be representative of the highest art of the day of its erection. Otherwise it becomes an object of ridicule and an evidence of the bad taste of its day and generation.



The Pose in Portrait Statues.

It is quite a question whether a characteristic pose of the subject of a public statue should be made a prominent feature of the work. In the statue of the late President McKinley, recently unveiled in Muskegon, Mich., Mr. McKinley is represented in the act of delivering his famous Buffalo speech, with the manuscript held in his left hand, while the right is thrust into his trousers pocket. The statue was modeled by Charles H. Niehaus, and this pose, while refreshing to the memory of those intimately acquainted with Mr. McKinley, has caused considerable criticism. It is certain that according to the tenets of grace and dignity, such a posture should not be perpetuated, and strictly speaking, it is inartistic. This is one point too frequently overlooked by sculptors in their aim to create a perfect portrait statue. Art demands that the more graceful pose of the figure be studied and adopted, so that no offense to taste or good manners shall be suggested, and this will ensure for the future of the work continued respect and admiration according to its other artistic merits.

Memorial to Severn Teackle Wallis, Baltimore, Md.

Within the marble walls of Baltimore's newly completed four million dollar court house some provision has been made for embellishing its courts and corridors with good examples of sculpture and the fine arts.

Under the guidance of Dr. Keene, the genial superintendent, an opportunity was given me of inspecting the court rooms, and the bronze tablets and medallions



WALLIS MEMORIAL, BALTIMORE, MD.

bearing the seal, the crests and coat of arms of the city of Baltimore, the original and modern; also of the state of Maryland.

In the western corridor is the recently unveiled memorial to Severn Teackle Wallis, one of the legal lights of Baltimore who died in 1894, at the age of 69 years.

The memorial which is here reproduced was erected by the Society of the Wallis Memorial, the bust being modelled and cast under the direction of Sculptor Reinhart in Paris. The pedestal stands ten feet high

and is carved from a splendid specimen of Italian marble, while standing tip-toe on the second plinth, the graceful figure of Fame, partially draped, reaching up the left hand, offers the palm wreath to the subject of the memorial. The entire figure is in bronze.

The statue in its entirety is a replica of the one erected to Henri Regnault in the Ecole des Beaux Arts in Paris. With the charm of its environment the Monumental City contains no better piece of sculpture—graceful and dignified in all its lines, and good portraiture, thanks to the care bestowed by Sculptor Reinhart.

* * *

Through the efforts of the Mexican War Veterans' Association, a shaft surmounted by the standing figure of Lieutenant-Colonel William H. Watson, one of its heroes, will shortly be erected in honor of the Marylanders who fought in that war. Mr. Edward Berge, the Baltimore sculptor, is at present working up the clay figure from the design sent in and accepted. The figure clad in the uniform of that time will be cast in bronze, and will surmount a pedestal of Maryland granite 22 feet high.

* * *

Over in Druid Hill Park stands the Wagner statue. This was the first prize awarded to the United States singers of Baltimore at the 19th National Saengerfest at Brooklyn, N. Y., 1900, and was presented to the city of Baltimore.

The pedestal is of granite and stands seven feet six inches from the base, and is surmounted by an heroic size head and bust of Wagner, the work of P. P. Golde, sculptor, of New York

* * *

Opposite the grand plateau of the B. & O. station of Mount Royal is the handsome shaft erected by the Maryland Society of the Sons of the American Revolution. This is in the form of a Grecian Doric column, with the details of egg and dart and laurel mouldings rising some fifty feet, and crowned with the figure of Peace in bronze holding the laurel wreath in the right hand and a scroll in the left. On the main die, which is eight feet six inches square, are four bronze tablets some thirty inches by fifty inches. The main bearing the following legend:

"To all patriots of Maryland, who during the Revolutionary War on land or at sea in gaining the independence of this State, and of these United States, and to the Maryland line."

"The bayonets of the Continental Army."

The other tablets are devoted to the lists of engagements.

It is to be regretted, however, that the author of this very acceptable monumental addition is given no name or credit.

W. P. LOCKINGTON.



ADMIRAL MELVILLE MONUMENT, NATIONAL CEMETERY, ARLINGTON, VA.

The Admiral Melville Monument, Arlington, Va.

The monument illustrated on this and the opposite page was recently erected in the National Cemetery, at Arlington, Va., for Rear Admiral Melville, of the United States Navy, by J. F. Manning & Co., of Washington, D. C. It is made of Vermont marble from the quarries of the Columbian Marble Quarrying Company.

The specifications and plans were prepared by the Admiral himself, and some of the details as given here will show with what care he planned his monument. Whatever one may think of the design, it is seldom that such minute attention is given to the details of construction. The admiral says the tomb is for himself and suits him.

The following are extracts from the specifications:

Specifications: The foundation is to be made of concrete, 9 feet wide by 14 feet long, and 5 feet deep, coming to within 3 inches of the surface of the earth.

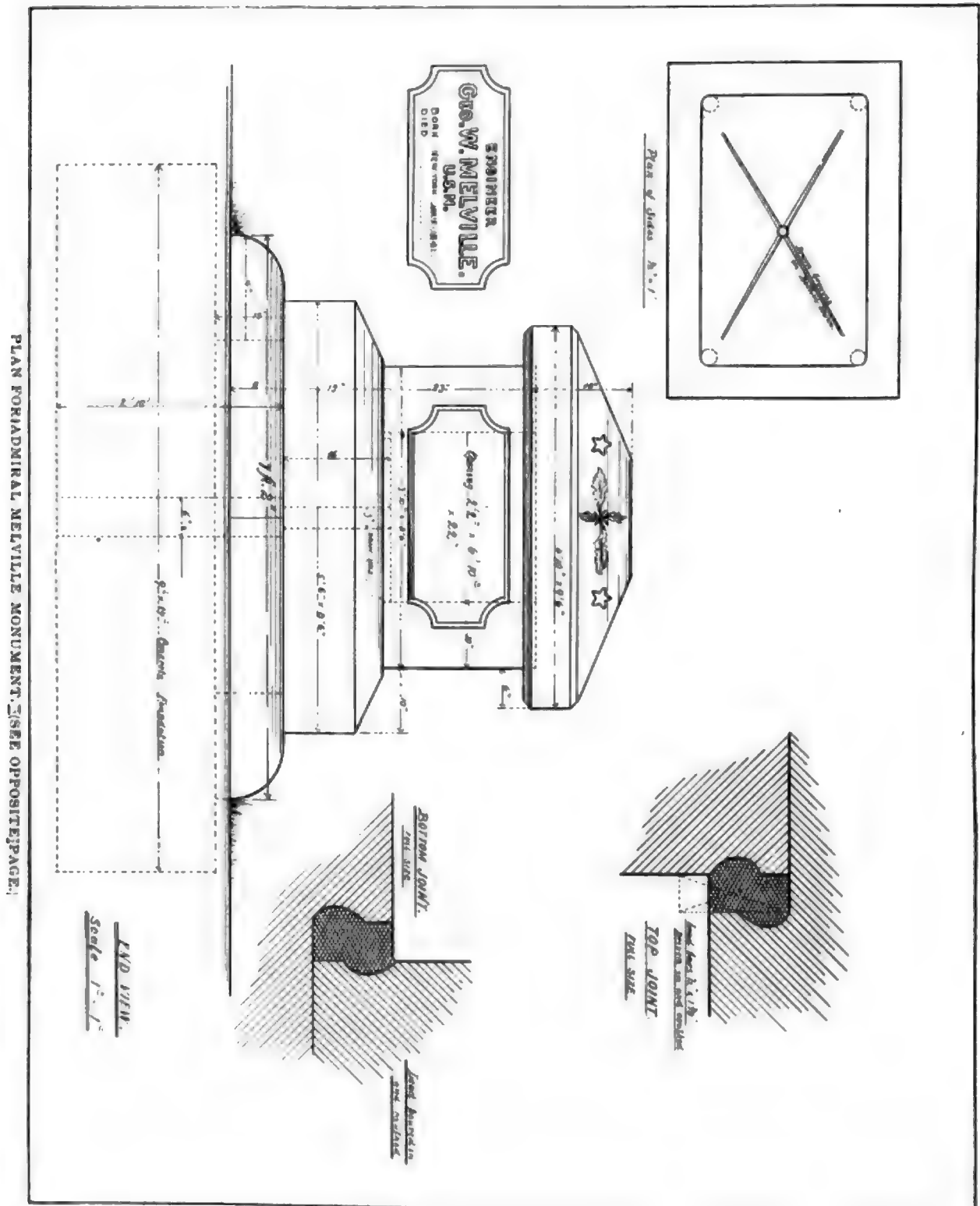
The second stone will be a plain ashlar, in one piece, with outer edge beveled as shown in plans. This stone to be 8 feet 6 inches by 5 feet 6 inches by 16 inches thick in the center, and 15 inches thick, as shown, for a distance back of ten inches from the edge of the stone. This raised projection of an inch to be of the general dimensions of the interior of the sarcophagus, less a half inch all the way around, to admit of the lead jointing; also the half-inch round grooving

that is to be carried all the way around the said raised projection to hold the lead jointing.

The sarcophagus proper is to be of one stone, 8 feet 6 inches long by 3 feet 10 inches wide by 23 inches deep, making the walls of the sarcophagus 10 inches thick. There will be four channels, one inch wide, and one inch deep, cut into the first base stone, to lead to a central drain 3 inches in diameter, leading to a pipe drain 6 inches in diameter, which will lead from the top of the rubble down through to the surface of the earth.

The capstone will be as shown in the plans, and will be of one stone, 9 feet 6 inches by 4 feet 10 inches, with a total depth of 15 inches, allowing one inch for the cap edge or cup and lead calking.

The first ashlar to be smooth hammer dressed on the bevels; the rest of the outside of the stone to be rough hammer dressed. On the top, where the joint of the sarcophagus is made, for a width of 10½ or 11 inches, it will be smooth dressed, in order to make the joint with the bottom of the sarcophagus. The sarcophagus will be rough dressed outside and inside, except where paneled on both sides and ends, as shown in the plans. The panels will be below the surface, not more than just enough to make a polished surface on the panels. The capstone will be smooth hammer dressed, polished on the four large beveled surfaces, and on each beveled polished surface there will be incised, cut in, the Naval Engineer Corps' device, representing four oak leaves, the stems to be brought to the center and crossed. The length of the Corps' device on the end to be 12 inches long by 8 inches wide.



PLAN FOR ADMIRAL NEVILLE MONUMENT. (SEE OPPOSITE PAGE.)

The Cemeteries of Boston.

The enjoyment of living is increased by the knowledge that after life's fitful dream we are sure of a final resting place, remote from the haunts of men, mid scenes of beauty. Even if we believe that death ends all, there is a peculiar satisfaction in knowing that when our beloved ones come to do homage to our mortal remains their grief will be modified by that which is most comforting and beautiful in nature and art in the environments of our final home.

As a rule the cemeteries about Boston are arranged with an agreeable unity of design, the parts, even individual lots, being subordinate to an agreeable whole.

In some of the older burying grounds the folly of the old idea that every one has the right to express his sense of loss and his recognition of the merits of the departed in such fashion as may seem to him appropriate is shown, but in the newer cemeteries the work of the stone cutter is subordinate to that of nature. No individual desire to mark a grave with eccentric memorials or flowers and shrubs is allowed to interfere with a design that is not for the one, but for the many, an effort to create one large and lovely dwelling for the dead rather than a series of unlovely patches unrelated in design and ruinous to the general beauty of the scene by their lack of harmony.

They come near to the ideals of *Garden and Forest*, written ten years ago, "Restfulness and peace, what else do we need in our last home? Shall not the fresh flowers strewn by some loving hand upon our lowly couch be the best token we are unforgotten? Why, then, should our final sleeping place be pranked out with marble and gaudy show of blossom? Rather let some quiet gray stone indicate our resting place and evergreen ivy drape it with its somber leaflets, while over all may arch the boughs of ancient trees that shall bestrew it in spring with blossoms, and in autumn with the soft covering of its falling leaves. The reason for simplicity in burial places is obvious. It is not here that the memory of the wise and good is to be preserved, that lives in the minds of men. Here lies the common dust of which we are all made.

There is something peculiarly restful in the naturalness of the cemeteries of which Newton and Walnut Hills are notable examples. Such stretches of wood

and meadows are in pleasing contrast to the stiff beds of foliage plants, gaudy blossoms and ghostly statues and inartistic headstones of the older cemeteries. In these beautiful cities of the dead the visitor is delighted with the grand groups of trees, the well considered arrangements of shrubs and flowers appropriate to the scenes which give to the whole ground a dignity and impressiveness forever to be associated in men's minds with those they have loved and lost. The drives and walks wind about under the oaks and walnuts in soft and pleasing curves, while the shrubbery and undergrowth stimulate the natural product



THE VINE-CLAD ENTRANCE TO NEWTON CEMETERY, NEWTON CENTER, MASS.

of such sequestered woody places. There are no divisions between the lots, no raised mounds to indicate graves. "The turf is closely clipped and green, the wild shrubbery clusters round it, the birds sing overhead and the effect is sweet and solemnizing, as it should be in man's last resting place." * * * * Here the mind naturally turns to reflection and nothing detracts it from those sweet and serious thoughts which best befit the last home of those we love. There is no consciousness of display, no showy cenotaph to inspire curiosity. All is dignified, unpretending and appropriate. In this, as in the Quaker graveyards, one feels satisfied that nothing is done for show, but reverently, and with a desire that, in the last home, no man shall overtop his fellow with show of monument or brilliant floral adornment of his grave, but that all shall be equal in the simplicity and dignity of death."

Cremation, the Lawn Plan, and the Granite Industry.

Two facts were demonstrated at the annual convention of the Association of American Cemetery Superintendents. They were, that cremation and the "lawn plan" of cemetery architecture have come to stay. With the improved methods of incineration the use of the crematory will increase rapidly and as all new cemeteries of the better class are adopting the lawn system, the smaller ones must follow suit or limit their areas to their present bounds. The first thought is that cremation and the lawn system will seriously injure the quarryman, manufacturer, wholesaler, retailer, undertaker and all others directly or indirectly interested in the ordinary tombstone. There never was a time, in this country at least, when as much money was being spent in monuments, mausoleums and tombs as now. Instead of head and foot stones costing say \$100, and furnishing employment for say two men a week, monuments and mausoleums are being built costing thousands of dollars and furnishing employment for dozens of men for months. In many cases one monument or mausoleum is equivalent in cost and labor to one hundred old fashioned headstones. The lawn plan encourages wealthy lot owners

to erect costly memorials because of the better opportunity of their showing off to advantage amid unobtrusive and artistic surroundings. Cremation, too, is likely to encourage rather than otherwise the building of mausoleums and monuments. A monument which contains, in imperishable granite, the remains of the departed is of far greater interest than one built nearby or even on top of a grave. We shall soon have beautiful and costly memorials in park like cemeteries, with niches or chambers containing the ashes of the family.

The general tendency is toward more and more elaborate memorials, monuments, mausoleums and sarcophagi; and the aggregate cost and labor is correspondingly greater. The business may concentrate, but the total expenditure for labor and material will continue to increase as wealth accumulates.

It will take centuries to eliminate from the human mind the obligation to perpetuate the real or fancied virtues of the departed in marble and granite, even should there be a drift of public sentiment in that direction, of which there is no evidence at this time.

J. H. GRIFFITH.

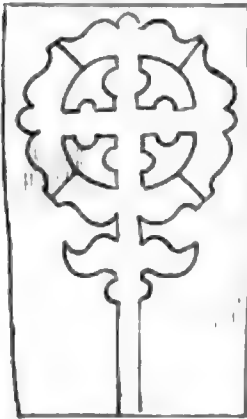
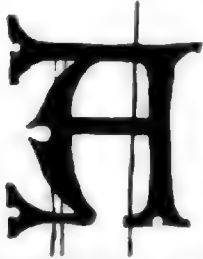
Import Decisions and Statistics from Washington.

Certain articles manufactured by T. Carli, of Montreal, Canada, imported into the Burlington customs district in July last as "church statuary," or decorated and undecorated statuettes, composed of plaster of paris and "earthy substances" and representing religious subjects, were assessed for duty at 35 per cent and 45 per cent ad valorem, under paragraphs 97 and 450 of the existing tariff act. The entries were, however, returned by the auditor of the treasury department with the statement that the articles would appear to be dutiable as, "Earthen * * * ware, including * * * statuettes," decorated or ornamented, at 60 per cent ad valorem, and if plain white and not ornamented or decorated, at 55 per cent ad valorem, under paragraph 95. It would appear from decisions of the board that for the purposes of classification under the earthenware schedule and paragraph 450, a distinction is drawn between a statue and a statuette. In view of this fact, the collector has been instructed to reliquidate the entries covering statuettes of plaster of paris, and of earthy substances, and to assess duty at 60 per cent, or 55 per cent ad valorem, under paragraph 95, leaving the importers to their remedy by protest.

On August 13, 1901, the Vermont Marble Co. imported through the port of San Francisco certain casks containing what is known as honestones, a stone found in Scotland. The articles were invoiced as

"marble polishers, assorted," and are used in polishing marble. These articles were assessed for duty at the rate of 20 per cent ad valorem as manufactured articles not specially provided for under the provisions of section 6 of the present tariff act, but the importers claimed free entry under the provisions of paragraph 574 of the free list, which provides for hones and whetstones. After carefully reviewing the various definitions given by the standard lexicographers the board held that the articles did not come within the definition of hones and whetstones, but were the material from which they were manufactured, and consequently were not entitled to free entry as claimed by the importers. The protest was overruled.

In the state department's last summary of the commerce of the Island of Cuba during the American occupation the following statistics of stone, marble and statuary are given: The importations of marble in the rough, slabs or blocks amounted to \$30,322, of which Italy supplied \$17,014, Spain \$11,352, and the United States coming in a very poor third with \$1,586. In addition to which Belgium sent \$299; Germany \$68, and France \$3 worth. Of imported chiseled, wrought and other finished forms outside of statuary, the importations only amounted to \$3,055, of which \$1,719 was from the United States. The total importations of paving stone were \$49,137; of building stone, \$40,101, and of all other forms \$321,561.



TWELFTH CENTURY.

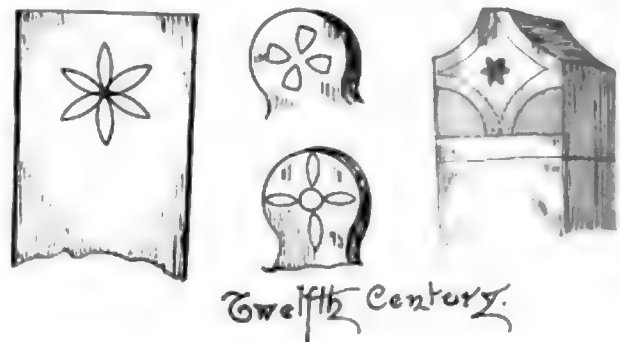
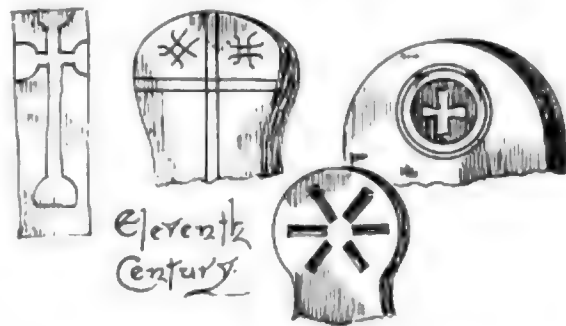
MUCH visited architectural monument in Derbyshire, England, is Haddon. Not far distant therefrom by a delightful drive, lies the village of Bakewell, in whose church and church-yard sleep many of the former owners of the ancient mansion. The church is conspicuously placed upon a hill and its graceful spire presents a landmark for all the country round. Though rebuilt several times since the twelfth century the church still rests, in part, upon its original foundation of unknown date. It is rich in traditions, has an authentic history of eight centuries and possesses a remarkable collection of relics, including a font six centuries old and the remains of a treasured ancient cross that has stood in the churchyard through the sunshine and storm of more than a thousand years.

But of deeper interest to us at present are the remarkably fine opportunities presented to us at Bakewell for the study of a class of sepulchral stones found elsewhere in England, but in no one place in such number and variety as at Bakewell. In 1841 the tower and transepts of the church were taken down for the purpose of rebuilding and many fragments of sculptured stones were found that had been used in the old work. About seventy examples of these were preserved, while four times as many are said to have been used again in the new work. Of those preserved all of them are older than the year 1260, and a considerable number date from before the year 1110, as is shown by the parts of the building from which they were taken. They are in sufficient variety to illustrate the ancient gravestones found in the British Isles.

They are divided into two classes: Cross-slabs, un-

doubtedly used for coffin lids, and head-crosses, or monumental stones placed upright at the head of graves. The cross-slabs are divided into two classes by having the crosses or other Christian symbols incised upon them, hence called "incised cross-slabs," or having the cross or other symbols in bas relief, hence called "raised cross-slabs." The latter are also sometimes "coped," the former but rarely.

The stone coffins in use in England prior to the fifteenth century were probably evolved from the stone cists in which the primitive tribes placed their dead in the cairns or tumuli in which they were buried. Properly a stone coffin consisted of a single stone (though somewhat modern examples are known consisting of several stones), rather higher and likewise broader at the head than at the foot. Sometimes the interior excavation corresponded with the outside throughout, but frequently this correspondence extended from the foot to the shoulders beyond which a small rounded cavity was made to roughly fit the head of the corpse.

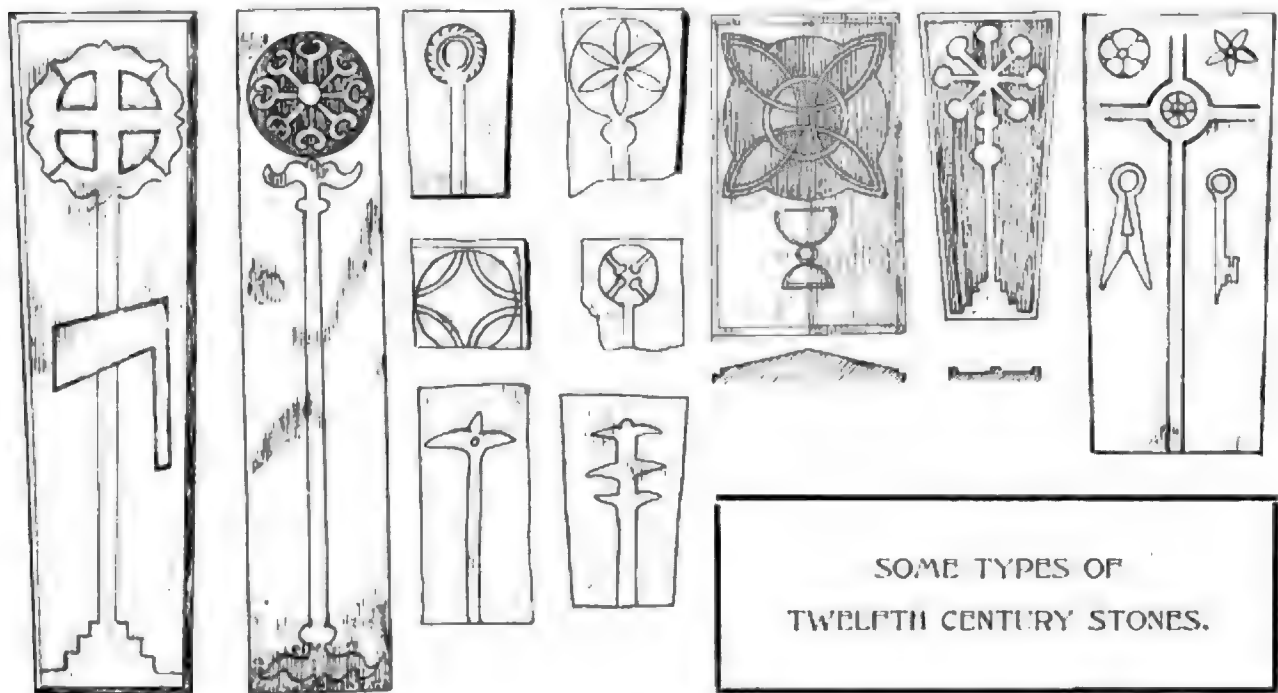


A small hole is often found in the bottom of coffins of this kind, probably intended to let out the liquid used in preserving the body. For while the word "sarcophagus," usually applied to a stone coffin, is derived from a kind of stone which was supposed by the Greeks to be capable of "eating the flesh" of the body placed therein, the resort to stone coffins in England seems to have been for the purpose of preserving the body much after the Egyptian manner. While the stone coffin above described furnishes a type, there are many known variations from this type. When the sides of a stone coffin are found plain it was evidently intended to be sunk in the earth sufficiently for the lid to form a part of the pavement and to serve also as a monument. It was a single stone slab fastened to the coffin, sometimes by its own weight, sometimes

with lead, with white plaster, with cement, or with pitch. It may be that in some cases more brilliant colors were used than were to be obtained by lead, plaster, cement or pitch.

At one time it was supposed that the incised slabs, where the incisions were broad and left open, were the matrices of monumental brasses, but subsequent more careful investigations have proved the contrary.

The chief design on all these slabs is supposed to be the cross, though some of them, if seen elsewhere, would suggest almost anything but a cross. In addition, there are designs which are intended to represent some technical symbolism, as for example, an ax, a pair of shears, a chalice, bow and arrow—to mention only those that appear on the Bakewell examples. Gravestones marked with the symbols of trade of the



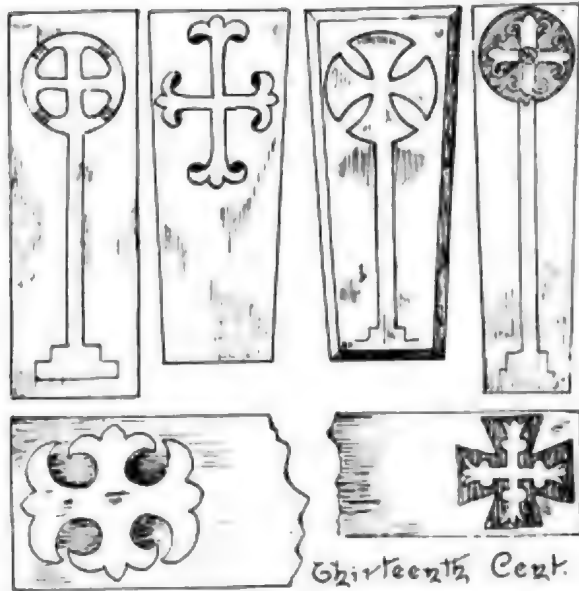
with mortar or cement. After stone coffins went out of vogue, the coffin shaped slabs continued in use as a grave covering and monument. In fact it has continued in use up to the present day, particularly in its coped form. Some quite modern modifications of it form very handsome monuments.

Stone lids were sometimes (though not often) placed over wooden coffins, and wooden coped lids were sometimes used as monuments, though they lacked durability. And in one of the English counties, where iron foundries abounded, cast iron coffin slabs were in use.

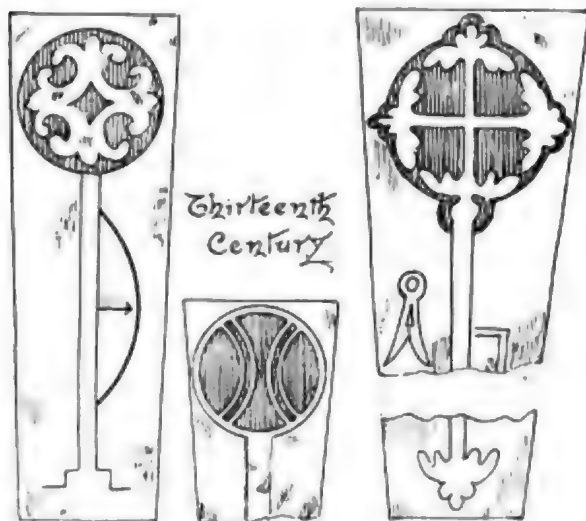
Of the two kinds of coffin lids the incised are the older. Most frequently the device was merely outlined by incisions in the stone. Sometimes these incisions were left open. Otherwise they were filled in

person commemorated, were common among the Romans and Romanized nations at the beginning of the Christian era. An ax may imply that the one commemorated was a knight or a man at arms, though the other knightly signs are absent from the Bakewell stones, and it is more likely to imply a woodchopper or perhaps builder. The bow and arrow probably implies a forester; the shears a clothier or wool-stapler; the chalice a priest. The stones at Bakewell show but little elaboration as compared with the stones found elsewhere in Great Britain, and of which we may prepare another paper with illustrations in the future. And they present none of the inscriptions which are often characteristic of the coffin slabs.

Pillar stones, rude unhewn stones set up to mark the burial places of great men, are probably the earliest



kind of sepulchral monuments in the world. They appear to have been used by all primitive nations and many remain in Britain. The pillar stone was first modified into the sepulchral cross and became what is known as the head-cross. It consists of a stone from one to three feet in height, placed at the head of a grave, and sometimes accompanied by a smaller one at the foot. The head-crosses vary in form. The Bakewell examples represent this form of the sepulchral pillar stone. Coming into use in England about the year 950, they were employed where the dead were buried with no coffin or in one of wood or lead. In case of a stone coffin, the lid thereof was made to serve as a monument. Head crosses continued in use until the Reformation, soon after which, they were modified into the "tall, square, ugly stones," which still crowd and "disfigure" the church-yards of England and elsewhere.



Monument to Composer of Marseillaise.

The author and composer of the "Marseillaise," the French National Anthem, has at last been honored with a monument befitting his fame. Rouget de l'Isle, the man whose song has stirred the French nation to patriotic deeds for over half a century, lies now buried in Choisy. His remains have been moved numerous times and an old monument which marked the original resting place has given way to the inroads of time. Monsieur Bonenfant has just finished the new monu-

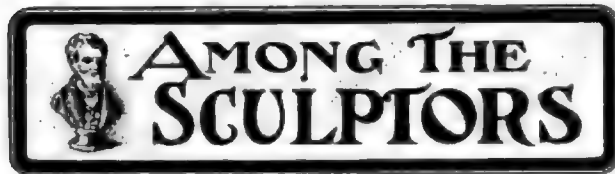


MONUMENT TO COMPOSER OF THE MARSEILLAISE.

ment, which bears a medallion portrait of the famous composer, while underneath it shows the refrain of the "Marseillaise." The unveiling of this monument took place a few weeks ago.

The medallion portrait is of bronze and the remainder of the memorial of dark polished granite.

The "Marseillaise" was composed in 1792, and was sung for the first time in Paris in August of that year by the hand of men who came from Marseilles to aid in the revolution; hence its name.



Earl Cummings, of San Francisco, now in Paris, won honorable mention in this year's Salon, for a life-size marble bust of a young California girl.

The annual exhibition of the National Sculpture Society will open in November. It is to be held in Madison Square Garden, New York, in conjunction with the florists of that city.

Robert Aitken, of San Francisco, modeled a bust of the late President McKinley, which was recently unveiled in St. Helena. It is of bronze, life size, and stands on a pedestal of Raymond granite.

J. Massey Rhind has been commissioned to model the statue of Robert Burns, which the Burns Club, of Hartford, Conn., is to erect in that city. The club hopes to secure a site for the monument in Bushnell Park.

The sketch model submitted by Albert Weinert, of New York, in the competition for the monument to the late President McKinley, to be erected in Toledo, Ohio, has been selected by the committee. The memorial will consist of a bronze statue, mounted on a pedestal of granite, standing on a broad, spreading base of low steps. It will cost \$15,000.

Louis Henri Reed, of Indianapolis, has recently finished a restoration of the missing arms of the Venus de Milo. He has selected as the correct pose the one suggested by the old mythological story of the award of the apple of fruitfulness. Venus has received the prize, and is holding it up in her left hand examining it. The right arm hangs across the front of the body, apparently in support of her draperies.

Mrs. Theo. Ruggles-Kitson has been awarded the commission for the monument to Massachusetts soldiers to be erected by the state on the battlefield of Vicksburg. The memorial will be a replica of her figure "The Volunteer," erected at Newburyport, Mass. Mrs. Kitson has recently completed two bas-reliefs of Japanese artists, to be cast in bronze and placed in the Museum of Arts at Tokio.

H. K. Bush-Brown is to model a number of symbolic groups to decorate the front of the new Hall of Records, now being erected in New York City. One of the groups will be called "Maternity," and will represent a mother and child, typifying the protection afforded the widow and orphan by the probate records. There will be, in addition, six or eight single figures, symbolizing law, instruction, study, etc.

Henri Schonhardt, of Providence, R. I., recently returned from Paris, and has placed on exhibition in the Rhode Island School of Design his figure of Cadmus, which was exhibited at the Paris Salon, and a statue of "Clytie," a reclining female figure. The Salon piece represents Cadmus slaying the serpent which guards the sacred fount in the Cave of Mars. The figure is well modeled and shows intense action.

Hermon A. MacNeil has completed a sketch model of the monument to be presented to the city of Portland, Ore., by Mrs. D. P. Thompson and her daughters. It is a group entitled "The Coming of the White Man," and consists of two Indian figures. One of them stands upright, with folded arms; the other, leaning on his spear, is in the act of stepping forward, pointing out the approaching white men. The group will be placed in the city park, and will stand on a pedestal of granite or natural boulders.

Edward T. Quinn, a former Philadelphian, but now located in New York City, has almost completed the statue of the late William Howard, from the lines suggested in the wax model by Miss Grace Hinckley. The statue will be of heroic size, carved in Italian marble, seated in a chair, which rests upon a base of dark Barre granite. Mr. Howard will be represented as the treasurer of the Scottish Rite Masons, and the statue will be given a prominent place in the Memorial Hall of the New Scottish Rite Cathedral. The work will cost \$5,000. Messrs. Reinhalter & Co., of Philadelphia, have the contract.

George Grey Barnard has been awarded the commission for the monument to former Governor Curtin, of Pennsylvania, to be erected at Bellefonte, Pa. The monument will be 60 feet long, 18 feet wide, and 25 feet high in the center. At either end will be a bronze group, one representing "War" and the other "The Call to Arms." On a pedestal in front of the center will stand a heroic size bronze statue of Mr. Curtin, in the act of presenting the flag to a group of soldiers starting to war. The memorial will be of dark Italian marble, and is to cost \$40,000.

Charles H. Niehaus has finished his model for the final competition with Henry M. Shady for the Grant monument to be erected in the rear of the White House at Washington. The General is portrayed as he appeared at the close of the Civil War. A soldier stands on each side of the horse. One of them holds a laurel wreath in one hand, and with the other he grasps the bridle reins. The other one carries a flag. Mr. Shady's model has already been described in the MONUMENTAL NEWS. Both models are now on exhibition at the Corcoran Art Gallery, at Washington.

Hugh Cairns, of Boston, has modeled a symbolic group in be placed over the entrance of the new Board of Trade building now being erected in that city. The figures represent Neptune, the god of the sea and of commerce, and Mercury, the god of agriculture. They are of heroic size, seated, and are leaning against a globe, which rests between them. Mercury rests one arm on the head of an ox, and Neptune leans on a dolphin, the symbol of the sea, holding in his hand an anchor, instead of the conventional trident. The group is made of gray terra cotta, to harmonize with the gray stone trimmings of the building.

Philip Martiny has finished his model for the monument to President McKinley, to be erected at Springfield, Mass. The memorial is to consist of a granite pedestal, ten feet high, surmounted by a bronze statue of Mr. McKinley, of heroic size. In front of the pedestal is a symbolic figure of Fame, kneeling in the act of placing a wreath above the name "McKinley." About the feet of the statue is entwined a wreath, and behind the figure is a small pedestal, bearing scrolls, about which is draped an American flag. The sculptor has caught Mr. McKinley in an easy, characteristic, and graceful attitude. He stands erect in the attitude of speaking, with right hand and arm extended in a gesture peculiar to the man, while with the left hand he is grasping the lapel of his coat.

Lettering in an Old New England Cemetery.

The old New England cemeteries contain much that is quaint and curious in epitaphs and monumental lore. The old Grove Street cemetery, in New Haven, Conn., is rich in examples of these early specimens of monumental work, and the *New Haven Register*, re-



ORNAMENTS ON TOP OF EARLY GRAVESTONE.

cently made the following interesting study of the inscriptions and lettering in that cemetery:

Wonder and speculation have often been aroused by the lettering on the tombstones resting against the west and north walls of the Grove Street cemetery. It is now wearing on towards a century since their removal from the green, yet during all that time research has not availed anything worth relating concerning their origin, which is still wrapt in mystery.

It has been stated that the stones were cut in England and brought over here, and that it often took months and even years before the tablets were executed and delivered, but we cannot vouch for the truth of the story.

However, to add weight to it, the following will not be out of place:

A certain party in Derby, Conn., who was interested in one of the stones, went to the trouble and expense of getting its history and is said to have discovered it was cut in England in the year 1764 and shipped to this country.

No doubt the stone of which most of the tablets are composed, is no other than that of the old red sandstone which abounds in these sections. Yet the same stone exists in large quantities in England and was used for the same purpose at that time.

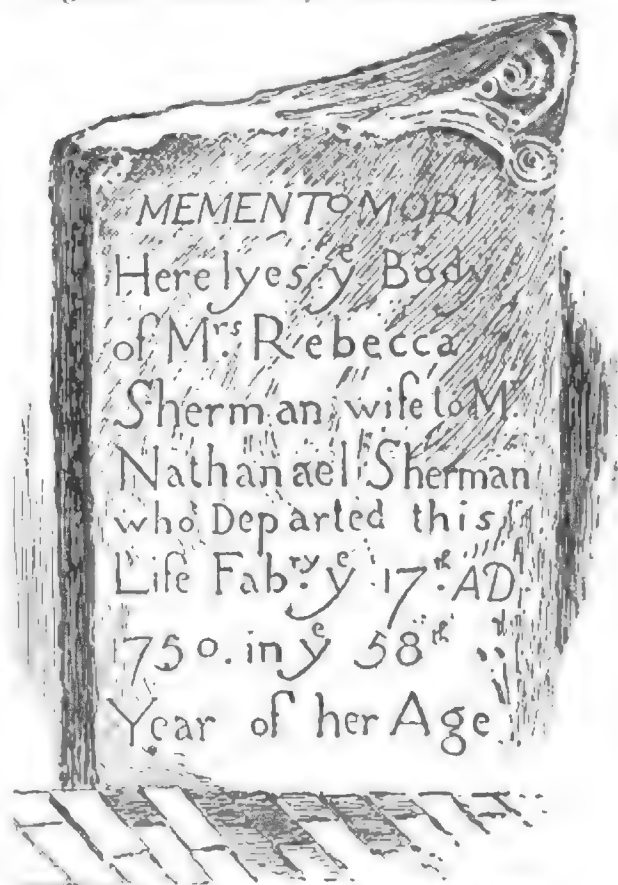
The lettering, which is the subject of this story, is in some instances very fine and in many ways much better than the lettering of our tombstones of today. The characters are wonderfully well preserved after being beaten by the wind, storms and rains for a century and a half or two centuries.

A large number of these inscriptions have the rare quality of unity. The ornament accompanying them seems to harmonize perfectly, both with the forms of the letters and the quaint wording and sentiment.

The letters are specimens of the italic and roman types in use in Spain in the sixteenth century, a period when, owing to the restlessness of artists and of craftsmen, the art of lettering, as well as its fellows, was almost cosmopolitan. The numerals may be safely placed as examples of those of the fourteenth and fifteenth century. Some of them are very crude in form, and bear a strong resemblance to the numerals of that period.

Those of a later date, however, say 1730, are excellent, the curves especially being composed with marvelous ingenuity, and are free from that slavish monotony which characterizes the numerals of today.

Again, there is a beautiful example of the capitals following the style of the *Libro del Lettere Cancellaresche* of Antonio Sacchi of Rome. Sacchi composed this alphabet about the close of the sixteenth century. Since then, as a model, it has been imitated or degraded in various ways, but never improved.



AN EARLY EXAMPLE OF GOOD LETTERING.

The decorative work on the tablets is unique. So far as knowledge of drawing and proportion is concerned they show little more ability than the Egyptians employed. The same design is executed on every stone, and one grasps at the conclusion that the craftsmen were not of creative imagination.

The design represents the head and wings of an angel. In cases where one stone records the decease of two persons there are two angel heads traced on it.

Further ornamentation is not observed on the stones; except in cases where money was no object a few more tracings of a delicate order exist. A flower is simply yet beautifully carved in a conventional style.

On the whole they are better examples of lettering than many of the letters in use today, depending for whatever merit they possess on intrinsic shape rather than on meretricious ornamentation.

Taking Off Sizes.

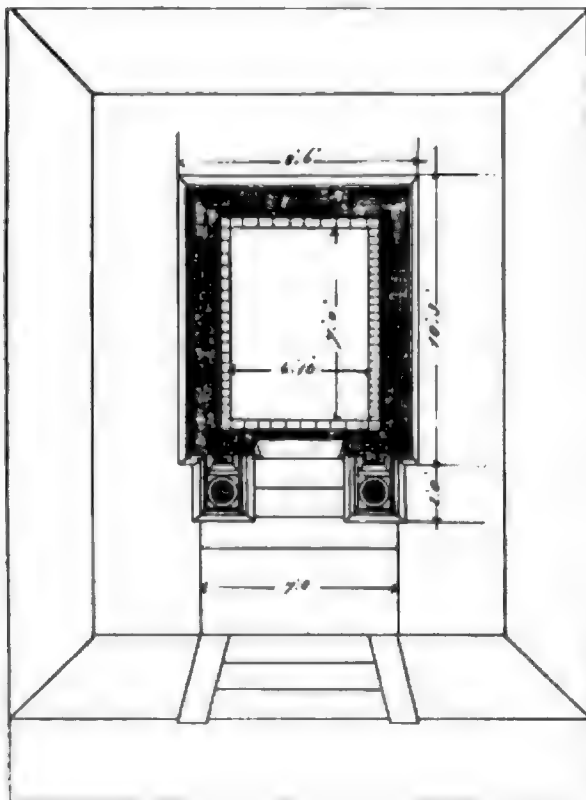
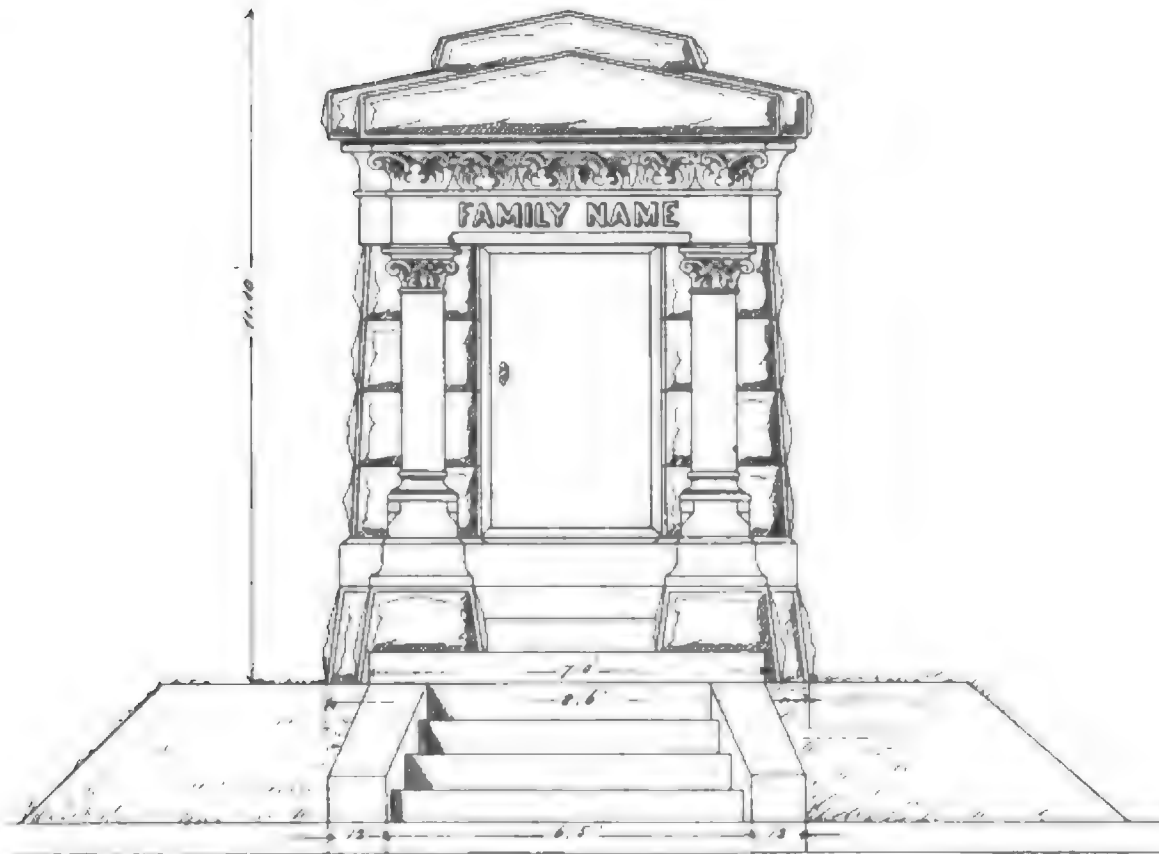
Of all the several parts in buildings, there is none so varied as the part composed of stone, where numerous changes occur in plan in the several stories of business blocks or the breaks, angles and off-sets in church work. The person who is engaged in this line should if possible be a thoroughly practical man and possess a knowledge of architectural drawing of the several orders or styles in every detail from the footings to the blocking course or finals, so that nothing can escape his notice. This will enable him to look for stone where the less educated man would not think of looking, as every detail counts in these days of close competition. As the estimator is generally the draughtsman in the stone works he should, to be more thorough, have served a time at stonemasonry, since there are some things that can be shown better with a mallet and chisel than with explanation in the shop, when he is called upon. He should also possess a good knowledge of arithmetic, especially decimals, duo-decimals and numeration. These will serve in figuring out irregular shapes and finding short cuts in summing up quantities. He should read the specifications carefully, so that every stone may be located, even if it is hidden, such as girder blocks, pier stones, and column bases. Note carefully all cellar sills, heads and basement steps; keep these under one head, classifying them as to kind of stone and style of finish. Having taken down all stones between footings and first floor, we proceed to the superstructure. Have a number or name for each side and take off each separately under its respective head or number. Divide the elevation of each side into several parts; this will simplify the work. First from the base course to level of first floor sills, noting the straight course of base, the pieces that will serve as cellar window sills, the different thicknesses of each; the ashlar—whether certain lengths, how many of them, the number of clean ends, how many serve as heads over the openings; the running sill course—the number of sill moulded or plain, slip or lugged; note all breaks, angles and reprises. Doorways, bays, dormers, balcony, etc., should be taken separately but placed each on its respective

list. Make another division from top of sill course of first story to top of sill course of second story. Go over carefully all the ashlar, jambs whether in one piece or in courses, plain or moulded, mullions, transoms, panels raised, sunk or carved, number of bosses, bays, circular or angled. (In measuring a circle take the square of it); balcony rails, solid, perforated or balusters; buttress caps, square or angled; the number of arch stones, measured at their largest points; finials and kneelers and the coping between them. Tracery, ribs and stone ceilings, ground arches are measured stone by stone; columns are measured on the square; flutes by the running foot. Notice whether pilasters are flush or cheeked out to receive ashlar. Hanging steps on the square allowing for the part in wall. Having gone over the work carefully, itemize them by bringing all like stones under one head. This will concentrate the work and can be used as a reference in the future. It can also be used by the mill boss to get out the different thickness of slab required to be resawn to lengths and shapes. For the benefit of those who have had no experience in getting out work for the saws I would suggest that the sizes of the several rough blocks be sketched on paper, the slabs marked on them with the number of block; the advantage of this is you can manipulate your block to get out everything that is in it and what is left are of good size.

D. FRASER.

The Tariff on Works of Art.

Since the passage of the Dingley tariff measure in 1897 there has been a constant irritation among artists and others interested in art, against the duty imposed on the importation of works of art. To say the least the provisions in the bill concerning such importations are confusing to a degree and embarrass and irritate all who by accident or intention come within their scope. It must be a matter of surprise to all who have the welfare of the country at heart and are impressed with the position attained by the nation in the world's affairs that the matter of tariff on art has not been adjusted with more care and with the consideration its merits demand. It has been well said that it is a tax on civilization. However, the time has come when a determined effort is to be made to get a bill through Congress to repeal the import duties on works of art more than fifty years old. It is apparent that no one would suffer under such a modification of the tariff, while the country at large would benefit. The Fine Arts Federation of New York has issued an open letter signed by many prominent painters, sculptors and architects, setting forth the object of the bill and inviting co-operation to secure its passage, and it is to be hoped that the matter will be agitated until a reasonable adjustment is secured.



DESIGN

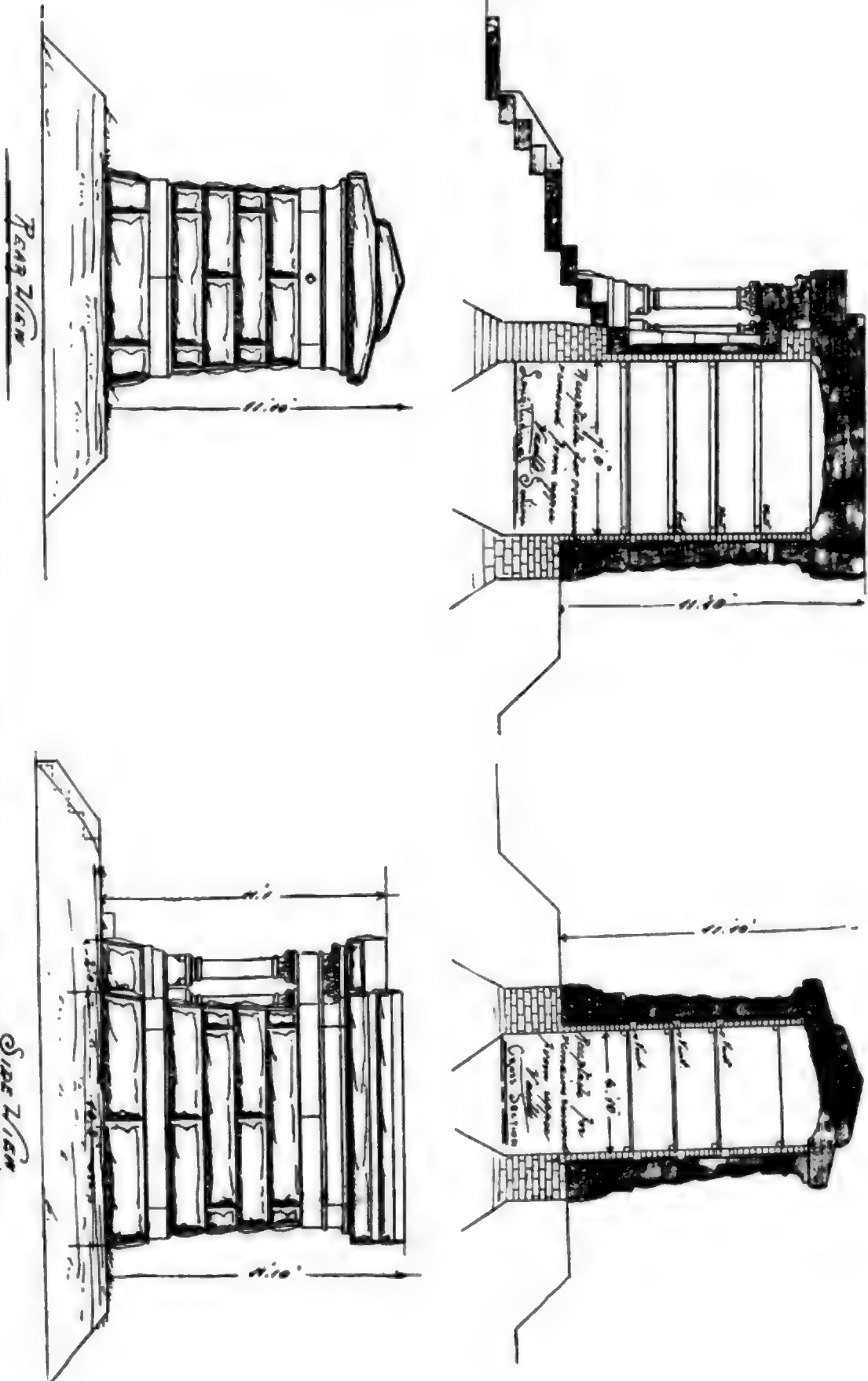
FOR

VAULT

BY

L. ORSINI

(See Opposite Page.)



DESIGN FOR VAULT, ELEVATION AND PLAN ON OPPOSITE PAGE.

MONUMENTAL NOTES

The Briggs Real Estate Company has presented to the City of Peoria, Ill., a hammered bronze statue of Christopher Columbus, which was unveiled in October. It is of colossal size, and stands on a cylindrical pedestal thirty feet high. Alfon Pelzer modeled the statue, which was dedicated with elaborate ceremonies, including an address by Mayor Jones, of Toledo.

* * *

The monument erected over the grave of Jacob Lynk and his first wife, in Glenwood Cemetery, Oneida, N. Y., was recently torn down and removed by his son, Andrew M. Lynk, of Lenox, who was a part owner of the lot and monument. The action is said to be the result of the son's unsuccessful lawsuit to recover \$165.82, which was deducted from his legacy as interest on anticipated payment.

* * *

It is announced that on November 11 an examination will be held by the Civil Service Commissioner in Boston for the position of inspector of headstones, under the quartermaster of the army. Applicants must be able to pass on the quality of material and workmanship of the large number of headstones now being supplied by the government for graves of soldiers. The salary is set at \$1,000 a year.

* * *

Work on the terra cotta monument in process of erection by the Chester County, Pa., Historical Society, on the battlefield of Brandywine, has been temporarily suspended, owing to a dispute over the ownership of the ground on which it is to stand. It was presented to the society by Minshall P. Sharpless, but Miss Mary J. Biddle, of Birmingham, claims that it belongs to her. The memorial is to mark the spot where Lafayette was wounded in 1777.

* * *

The latest reports concerning the Kaiser's intention to present a statue of Frederick the Great to the United States, say that he has ordered plaster casts of Schadow's statue of "Alter Fritz," and of Uphue's statue of "Young Fritz," and is to submit them to President Roosevelt, for him to choose one of them for erection in Washington. The other one will be presented to Harvard University.

* * *

On the Hunnewell lot in the old Smith graveyard, at Windham, Me., stands a unique monument in the form of a large open fireplace, with a log crane hanging in it. It is a facsimile of the fireplace in the old Hunnewell house, and the bricks and andirons were once used in the house. In the fireplace is inserted a frame containing a printed record of eight generations of Hunnewells, surrounded by pictures of oxen, cows, hogs, and poultry, that drew prizes at the fairs.

* * *

The Washington Monument is reported to be attaining fame as a bird killer. The *Washington Times* tells the story as follows: "For several mornings past from twenty-five to fifty dead birds have been found lying at the foot of the tall shaft. This morning the number was seventy-five. The birds are yellow and black-throated warblers, and small thrushes. While migrating during the night they strike against the monument, killing themselves, or becoming so disabled as to fall to the ground. The cats and dogs have found that the monument

is a good place to secure easy meals, and at this time of the year, and in the spring, when the birds are going north, the monument grounds are well supplied with felines."

* * *

The monument to the memory of the Ninth Regiment, Connecticut Volunteers, was unveiled in Sea View Park, New Haven, Conn., in October. The monument is of Barre granite, and stands 18 feet 4 inches high. It consists of a pyramidal shaft, surmounted by the figure of a soldier standing at parade rest. At the base of the shaft are inscribed the names of the different battles in which the regiment took part, and there is a bronze tablet bearing inscriptions commemorating the deeds of the regiment and the gift of the park commission of the plot of land.

* * *

The first monument in the Vicksburg National Park will be erected by the state of Massachusetts. It will cost about \$25,000, and will be erected some time in December. Other states will follow as soon as the roads through the park are in good enough condition to permit the hauling of the heavy stones for the monuments. Iowa has appropriated \$150,000, Ohio \$40,000, and the other states whose troops were engaged in the siege have made similar liberal provision. The work of getting the park in shape is proceeding rapidly, and the Secretary of War has given authority to make contracts for bridges, grading, etc.

* * *

The city of Keokuk, and the county of Keokuk, Ia., are both claiming the honor of erecting monuments over the grave of Chief Keokuk, the famous Sac and Fox Indian. The bones of the chief formerly rested under a marble slab, inscribed by the United States government, and erected near Ottawa, Kas. In 1889 they were brought to Keokuk and reburied in Rand Park, where the city erected a monument. The board of county supervisors are now preparing to erect a monument near Sigourney, claiming that the genuine bones of the chief are buried there. The city is delving in old records to prove the authenticity of its bones.

* * *

Miscellaneous.

The Dabney H. Maury Chapter, Daughters of the Confederacy, recently unveiled in Hollywood Cemetery, Philadelphia, a huge boulder monument bearing bronze tablets in memory of Confederate soldiers buried in that city. * * A monument to C. M. Ransom, founder of the Boston Life Underwriters' Association, was recently unveiled in Newton Cemetery, Newton, Mass., by that association. Delegates from the various associations throughout the country were present. * * The city of Memphis, Tenn., is to raise an additional \$15,000 to increase the size of the Forrest monument, which Sculptor Charles H. Niehaus has been commissioned to model. * * The Kentucky state monument in memory of Confederate soldiers was unveiled on the battlefield of Perryville in the presence of 10,000 people. * * The monument in memory of General Horatio G. Wright, late commander of the Sixth Army Corps, was dedicated in Arlington Cemetery, Washington, D. C., in October. * * An imperial edict at Peking, China, has ordered a tablet to be placed in the Peking temple in honor of Liu Kun Yi, Viceroy of Nanking, in recognition of his services in maintaining peace in the Yang Tse valley in 1900. * * The 49th New York Volunteer Association has unveiled a monument at "Bloody Angle," on the battlefield of Spottsylvania, in memory of 39 members of that regiment killed there in 1864. The memorial is of Barre granite, and is inscribed with the names of the dead.

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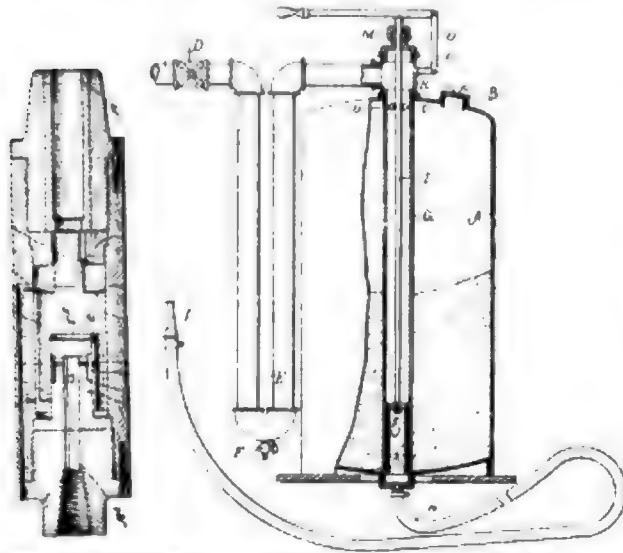
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RECENT INVENTIONS

Sand Blast Controlling Device.

The sand-blast controlling apparatus illustrated here was invented by Jos. Shaver, of the Jos. Shaver Granite and Marble Co., of Milwaukee. It consists of the following essential parts: An air tight sand-receiving reservoir; a cylinder, provided at its upper and lower ends with a plurality of apertures through its vertical walls, extending longitudinally through the reservoir; an air duct, provided with U-shaped bends (in the lower end of which is a petcock) connected with the upper end of the cylinder and a hose connected with its



PNEUMATIC TOOL. SAND BLAST CONTROLLER

lower end; a vertically moving, hollow plunger, provided with apertures at its upper end, located within the cylinder. (Patent, No. 709,448.) . . .

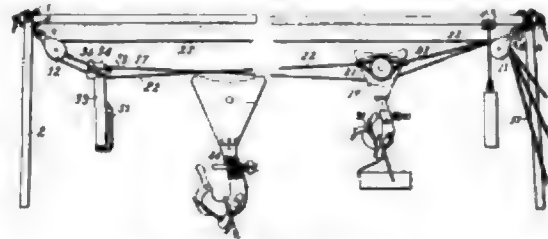
Pneumatic Tool.

William M. Holden, of the firm of Frow & Holden, Barre, Vt., has patented an improved form of pneumatic tool, shown on the right of the first illustration. It comprises a cylinder or casing, cylinder heads screwing in the ends of the cylinder, one of them being provided with a bushing for containing a tool-stock. A washer is held in the cylinder at the inner end of the head, the other cylinder head having a central opening and adapted for connection with a source of motive agent supply. An inlet head arranged in the cylinder and held rigidly in place by the cylinder head, has a central recess in registry with the central opening in the cylinder head, and a piston mounted to slide in the cylinder, and having a hammer head at its forward end having guided movement in the washer, and a rearwardly extending sleeve portion arranged to slide on the inlet head. The piston, the inlet head and the casing are provided with ports for the passage of the motive agent and adapted to be covered or uncovered by the movement of the piston. (Patent No. 711,850.) . . .

Hoister and Conveyor.

The hoister and conveyor described here consists of a combination of pulley blocks and means for securing them at a distance from each other. Two cables are attached to one

of the blocks and run over pulleys in the other block, a carrier having rollers running on the cables. A rope is attached to the carrier, a pulley is mounted on the block, to which the cables are attached, and between the cables. Around the cables passes the rope attached to the carrier, and there are two pulleys between the pulleys of the other block around which



HOISTER AND CONVEYOR

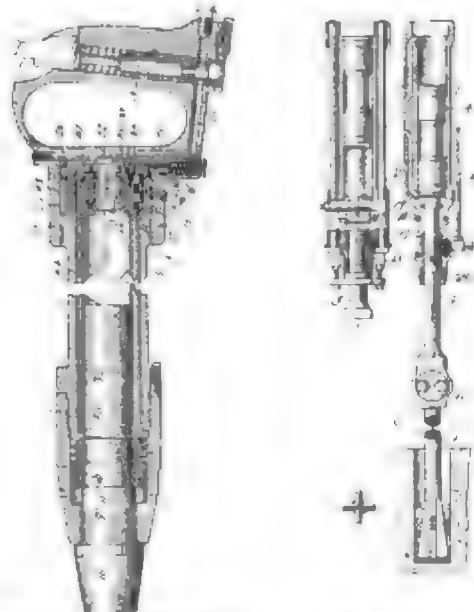
passes the aforesaid rope and a second rope also attached to the carrier. Patented by Geo. W. Menefee, of Berkeley, Cal. (Patent No. 709,547.) . . .

Pneumatic Riveter or Other Tool.

Julius Keller, of Philadelphia, assignor to the Philadelphia Pneumatic Tool Co., has patented a form of pneumatic riveter or other tool. It is a combination of a nosepiece adapted to have the shank of a working tool inserted in it, and a retaining device within the nosepiece adapted to engage the shank. (Patent No. 710,196.) . . .

Rock-Drilling Machine.

The rock drill shown at the right of our last illustration was invented by William Prellwitz, of Easton, Pa., assignor to the Ingersoll-Sergeant Drill Co., and is described in the patent



PNEUMATIC RIVETER.

ROCK DRILL.

office gazette as: "A cylinder, a tubular front head having a water feed chamber therein, a piston having its rod fitted to reciprocate in the front head, the said rod having a longitudinal water-feeding duct therein, arranged to be brought into and out of communication with the water feed chamber when the rod is reciprocated, and a packing ring surrounding the piston rod adjacent to the water feed chamber for preventing the escape of the water from the water feed chamber to the said duct, when the rod is in a certain position." (Patent No. 710,922.)



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Monumental Bronze Statuary

BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.

Notes of Retail Dealers.

Alabama.

The Curbow-Clapp Marble Company, of Montgomery, is having a busy season of trade in both building and monumental work. Among their present contracts is one for a large family vault for Dr. Aiken, at Notasulga. Some of their building contracts are for the marble work in the Farley National Bank and the Montgomery Theater. Mr. Clarence Curbow recently returned from a trip to the Georgia marble quarries, where he placed large orders for stock.

California.

Thomas Maino, of San Francisco, writes that there is a boom in building work in that city, and that there is a brisk demand for marble polishers and setters. He reports that wages are as follows: Polishers, \$2.50; machine men, \$3.00; marble cutters and setters, \$3.50; granite cutters, \$4.00; sandstone cutters, \$4.50; sandstone carvers, \$5.00 and \$5.50. The strike of the marble polishers in that city has been settled, and is said to have involved only two firms.

Canada.

Robert Reid, of Montreal, Que., erected the monument recently unveiled at Granby, Que., in memory of Sergeant-Major William Latimer and Gunner Walter E. Price, who died in South Africa. The memorial is 18 feet high, and consists of a carved and ornamented pedestal, with three bases, die and ornate cap, surmounted by the figure of an artilleryman. The statue is life-size and is from an original model of Mr. Reid. The soldier stands in an easy pose, his carbine held across his body, ready to be carried to the shoulder. The memorial is of Milford (N. H.) granite, and cost about \$2,000.

Colorado.

A. F. Bryan has bought a half interest in the business of S. Gregory, at Trinidad. The new firm will be Gregory & Bryan.

G. W. Keim, of Boulder, formerly in the marble business at Lincoln, Neb., was at Barre and Middlebury, Vt., last month in the interest of his father, who still continues the business at Lincoln. Mr. Keim is now interested in an extensive Colorado ranch.

Connecticut.

Stephen Maslen, of Hartford, designed and erected the monument unveiled September 25th in that city in memory of the First Connecticut Heavy Artillery. The memorial is an interesting type of the "cannon monument," and was illustrated and described in the *MONUMENTAL NEWS* of March, 1902. Some of the other public monuments for which Mr. Maslen was contractor are the following: The monument at Cedar Hill, erected by the Knights Templar, in honor of Governor Thomas H. Seymour, the Soldiers' monuments at Suffield and Modus, the Campfield monument, the Eighth and Eleventh Regiment monuments at Antietam, the Twelfth's at Winchester, the monument of the Fifth and Twentieth at Chattanooga and the Second Heavy Artillery's at Arlington. The monument which was recently dedicated on the field at Antietam by the Thirty-Fourth New York Regiment, an elaborate Norman tower, was also designed by him.

Georgia.

Elledge & Norman, of Columbus, are the contractors for the soldiers' monument recently erected in La Grange by the Daughters of the Confederacy. It consists of a shaft surmounted by the figure of a soldier at parade rest. The base of the monument is of Georgia granite, and the rest of the work of Georgia marble.

Illinois.

Fisk & Spencer, 39 Downer Place, Aurora, succeed T. Otto Fisk.

The Maroa Stone Post Company has been formed at Maroa for the manufacture of stone posts.

The Higgins-Jung-Kleinau Co., succeed J. Higgins & Co., at 227 E. Front St., Bloomington.

The Sedgewick Hall Monument Co., of Charleston, have the contract for the erection of a monument to the Fuqua family, at Casey. It is to cost \$2,600, and is to be completed next spring.

The Pacific Coast Marble and Milling Company, of Spokane, Wash., is to open a branch at Elgin, for the manufacture of decorative marble for interior work.

J. A. Atwood, of Stillman Valley, is described in a Chicago daily as a "tombstone agent, undertaker, police magistrate, insurance agent, village preacher and editor of the *Stillman Valley Graph*." He recently took charge of the remains of the wife of one of his subscribers, preached her funeral sermon, noted her death in his paper, and erected a monument at her grave. Later he acted at the marriage of the widower, gave him another notice in his paper, insured the lives of both bride and groom against death or accident and the new home against fire or tornado. Besides giving his attention to such matters, Mr. Atwood is secretary of the Battle Ground Memorial Association, is a member of six lodges, being secretary of some and chaplain of others. He has been assessor of his township and a member of the board of school trustees. As justice of the peace he marries more people than any parson in the county. In the management of his paper he officiates in every capacity from editor to copy boy and still has time to spare.

Indiana.

Dille & Clemens, of Greensburg, are erecting a new shop, to be located near South Park Cemetery. It will be equipped with traveling crane and other modern machinery. This firm recently gave an exhibition of their work in the public square during the week of the street fair.

Weakly & Sons, of Tipton, send photographs of a fountain of Bedford stone recently erected by them on a private lawn in that town. It is 12½ feet, and has a basin 8 x 15 feet and 2 feet deep. The fountain is symbolic of the United States and her people.

R. H. Carpenter, of Bloomington, will open a branch at Lowell, to be managed by Leroy Hayden.

Iowa.

Reynolds Bros., of Lake City, have dissolved partnership, one of them retiring from the business.

R. W. Greenizen, formerly of Woodbine, has advertised his

Continued on page 654.



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WESTERLY, R. I.

business and household goods for sale, and announced his intention of removing to Michigan. Application has recently been made in the District Court at Logan to take the two daughters of Mr. Greenizen from his care, charging abuse against him and his wife. He is reported to have been twice robbed in Council Bluffs, while seeing the sights of that city.

Becke & Wilson, of Muscatine, have the contract for the erection of a monument in front of the new chapel at the entrance to Greenwood Cemetery, in that city. It is fourteen feet high, and consists of a statue of an angel with folded wings, mounted on a pedestal of Westerly granite. The statue is of Italian marble, and is emblematic of Hope. It is a gift to the cemetery from Mr. Peter Musser.

Kansas.

The Wichita Stone Co., of Wichita, have erected a new plant, 50 by 100 feet, and will install much new machinery for ornamental stone work. The new building will be of stone, and will stand on the site of the old plant.

Stuart & Son, of Abilene, have bought out the James Johnston Marble Works, of Salina, and will operate it as a branch of their Abilene works. The business of the firm has been growing so rapidly that they found it necessary to branch out in order to keep up with orders.

Hance White, of the Pittsburg Marble Works, at Pittsburg, reports the loss of a sample case of designs, which was lost at Oswego by his son, who travels for the firm. It is a Vermont Marble Company's leather dress suit case, 19½ x 14 x 5½, containing a full set of designs and samples. Mr. White will be glad to pay any expenses incurred in getting the case if it should fall into the hands of any other dealer.

Kentucky.

The Muldoon Monument Co., of Louisville, erected the monument in memory of Dr. John A. Broadus, of the Baptist Theological Seminary, recently unveiled in Cave Hill Cemetery in that city. It was a gift of Captain W. F. Norton, and consists of a massive die and base of Milford (N. H.) granite, eleven feet high. On one corner of the rock-faced die a column entwined with ivy is carved in high relief. On the front of the die is a medallion portrait of Dr. Broadus, below which is the following inscription:

"On earth there is nothing great but man—
In man there is nothing great but mind."

Maine.

Charles L. Worthley, of South Norridgewock, is building a large new shed to keep up with his growing business, and has orders on hand to keep him busy all winter.

Harrison Wallace and Orrin Swanton have erected a shop for dressing granite at Millbridge.

Maryland.

The David M. Andrew Company has been incorporated at Baltimore to engage in the marble and stone business. The capital stock is \$15,000, divided into fifteen shares at \$100 each.

The Mobilepont Sculpture Co. has been incorporated at Baltimore to manufacture machines for stone, marble, wood and other carving; capital stock, \$10,000. The incorporators are: Wm. O. Smith, Thos. M. Oler, Jos. M. Winkler, Geo. W. Parsons and Taylor Simmons.

Massachusetts.

The accompanying illustration is from a snap-shot picture taken by E. C. Willison, of Boston, while at Nantasket Beach with George Bruner and E. W. Hoffman, of Cedar Rapids, Iowa, who were enjoying their first visit to the seashore. Subsequently they saw many of the marble and granite quarries of New England, and returned home with different im-

pressions of the business than they had previously entertained. Others who visited the quarries during the fall whose names have reached us, are: Edw. MacLane, Chicago; R. McKenzie, Salt Lake City, Utah; Wm. Rieger, Chicago; W. B. Wayt, Sac City, Iowa; J. A. Flatz, Piqua, Ohio; C. W. Oldham, Perry, Iowa, and R. E. Bentzel, Chicago. Mr. MacLane and his party were very pleasantly entertained at Quincy, Mass., by Prout Bros., and at Rutland by J. F. Manning of the Columbian Marble Quarrying Co. MacLane and McKenzie went on to Red Beach, Maine, where they were made to feel at home by his Honor, the Mayor, Mr. O. S. Tarbox, of the Maine Red Granite Co.



GEO. BRUNER. E. W. HOFFMAN.
AT NANTASKET BEACH.

John Meagher, of the Railway Granite and Marble Works, at Peabody, has recently completed an addition to his plant.

The Van Amringe Granite Company, of Boston, has been awarded the contract for the Guernsey County Soldiers' monument, to be erected at Cambridge, Ohio. The memorial consists of a shaft of Westerly granite, 40 feet high, surmounting a pedestal 14 feet square at the base. The figure of a soldier at the position "handle cartridge," surmounts the shaft, and around the base are arranged four single figures symbolizing the different branches of service, and a symbolic group, consisting of a female figure and a youth who is listening to an account of the causes of the war. The shaft is ornamented with carved mouldings and designs embodying stars, knapsacks, stacked guns, caps, canteens, and other articles of equipment.

John Evans & Co., of Boston, recently constructed a handsome altar and reredos of Caen stone for St. Stephen's Episcopal Church, in that city. It is a memorial to the late Rev. Henry M. Torbert, and the altar consists of five carved panels, with a border representing a vine. The reredos also has five panels. The central one shows two kneeling angels holding a shield between them, and the others portray scenes in the life of Christ. The whole is six by eight feet, and was designed by Henry Vaughan.

C. E. Curtis, of Salem, will soon move into his new yard on Canal street, where he will have increased facilities and new machinery.

James Frank Denning, dealer in hay, grain, and granite, at Lowell, has filed a petition in bankruptcy; liabilities, \$3,719.14; assets, \$554.

Kirk & Mathews, of Pittsfield, have contracted to make two ledger monuments of white Italian marble for John E. Parsons, of New York, to be erected in the cemetery at Lenox.

The *Boston Globe* prints the following: "Granite has increased in price since the combination got control," said a member of a Lowell granite firm. "Our supply is no better

(Continued on page 656.)

W. A. LINDSEY CO.

...WHOLESALE...

N. Y. and Vt. Marble & New England Granite & Indiana and Ohio Stone

—MANUFACTURERS OF—

Lindsey Portable Polishing Machines. Pneumatic Plants Complete. Gas Engines. Air Compressors. Hand Tools, etc.
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QUINCY, - MASS.

If so, read the following: When in need of good stock, good workmanship, and an all-round job, send your sketches right along this way.

A No. 1 is our Trade-mark.

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HALF THE
WORLD
IS IN DARKNESS

WE ARE DRIVING

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Gold, Silver, Bronze, D'Art and Statuary.
Maker of fine **Castings**...
for Silversmiths and Jewelers...
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This is one of the **BEST and CHEAPEST STONE JACKS** in the market, and the price is in reach of all. Send for Price List. Made by **L. J. KELLY ALBANY, NEW YORK.**

YOUR ORDERS FOR Pink Westerly Granite

FINISHED or in the ROUGH

Will receive prompt and satisfactory attention at reasonable prices.

My plant is equipped with all the latest economical Stone Working Machinery.

F. M. LADD,
204 Bank Street, New London, Conn.

PINK CARVING

Air Compressors

For operating Pneumatic Stone Tools, Surfacing Machines, Air Hoists, and every other application of Compressed Air.

CLAYTON AIR COMPRESSOR WORKS, 114-18 Liberty St., N. Y.

Send for Catalogue C.

When in Need of Pipe, Collars and Ornaments Wedge Lead and All Cemetery supplies,
Write for catalogue of vases and chairs, catalogue of cemetery supplies.
JOHN McLEAN,
293 Monroe St., New York City
Bronze Doors and Grilles. Memorial Tablets.

THE MONUMENTAL NEWS.

than that purchased a year ago, but we can prove to any one that trusts do increase prices in stock in our business. Although prices have increased, there has been some good work done by Lowell firms this year."

George B. Merrill, of Lynn, Mass., has secured an option on a soldiers' monument which was ordered by a wealthy resident of a western town, to present to the town. He died, however, before carrying out his intention, and the monument was not paid for. It is a shaft 34 feet high, draped with an American flag, and bearing G. A. R. emblems. Mr. Merrill is negotiating with a New Hampshire town for the purchase of the monument.

Michigan.

A. Black & Son, of Grand Rapids, have an order given by Edward Stewart, of Salt Lake City, Utah, for a Barre granite monument, to be erected on their family lot in Grand Haven, Mich. It is a four-piece monument, two bases, die, and cap, all fine hammered, the base being 9 feet by 5 feet 10 inches.

Pennell Bros., of Cheboygan, have the contract for a granite spire monument to be erected at Wolverine in memory of the late Senator James E. Holcomb. It will be one of the largest in Northern Michigan.

A. A. Garlinghouse & Son, of Homer, have outgrown their present facilities, and will enlarge their granite works.

Chas. Dwyer has sold his marble business in Ann Arbor and has removed to Detroit.

C. W. Weeks has removed from Alma to Belding, where he has formed a co-partnership with J. W. Clark.

W. L. Parker, of Owosso, has been awarded the contract for the erection of a fine soldiers' monument, to be erected in the new Lothrop Cemetery. It will be made of Missouri red granite, and will bear a carved coat-of-arms on two faces. This firm is equipped with modern machinery, and has executed a number of large contracts this season. They report an increasing business.

Minnesota.

Misho Bros., of Sauk Rapids, are making an addition to their building, and will install new machinery. The new addition will be 14 x 25 feet, and two stories high, giving about 300 feet of additional floor space.

Muehler Brothers, of the Northwestern Monumental Works, Perham, authorize the statement that they will bring suit against U. S. G. Henry, who retired from the firm in September. Serious charges are made against the retiring member. They propose to publish a history of the case for the benefit of the trade.

New York.

Leland & Hall Co. have moved into commodious offices on the sixteenth floor of the new Fuller building, at Broadway, Fifth avenue, and 23d street, New York. This architectural curiosity, already well known as the Flatiron building, is one of the sights of New

York. Below the sidewalk there is a basement and sub-basement, and above it twenty stories rise to a height of three hundred feet. The suite of offices occupied by Leland & Hall Co. comprise five rooms, and command a magnificent view of the city and across the Hudson River to Jersey. Since embarking in the retail trade this firm



REV. ENGLISH MONUMENT, CANANDAIGUA, N. Y.

has established an extensive business throughout the country. They employ four draughtsmen and a large number of traveling salesmen.

W. A. Salladin, formerly Salladin & More, Canandaigua, erected the monument to the Rev. D. English, illustrated on this page. It stands in the Catholic Cemetery at Canandaigua, and is of medium Barre granite, of the following dimensions: B. Base, 7-0 x 7-0 x 1-4; second base, 5-0 x 5-0 x 1-0; third base, 3-4 x 3-4 x 1-2; cross, 5-0 x 1-4 x 9-0. George More, formerly of this firm, who recently retired and moved to California, is to remove to Honolulu.

George M. Maltby, of Buffalo, has the contract for the erection of a new chapel and receiving vault for the Elm Lawn Cemetery Association, at North Tonawanda. It will be 52 by 38 feet, of Gothic design, and will cost about \$20,000.

Chas. G. Guitz, of Schenectady, has the contract for placing the granite monuments to mark the boundaries between New York and Canada, from Rouse's Point to St. Regis.

William Pirnie, of Remsen, has the contract for the erection of two pillars of Indiana limestone, at the entrance to the Baron Steuben monument lot, near Utica. The pillars will be 3-3 x 3-3 x 15-0, and will be surmounted by balls seven-tenths inches in diameter.

Nebraska.

Hodges & Baldwin, of Fremont, have recently put in a full line of new machinery for cutting and dressing marble and

(Continued on page 658.)



FULLER BLDG., NEW YORK.



MAUSOLEUMS, STATUARY, MONUMENTS.

In Blue, Pink and Red Westerly Granite.

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=====QUINCY, MASS.=====

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OF MONUMENT GRANITE

IN THE WORLD

We produce more high grade stock than all
other quarries in Quincy combined.

=====

ESTIMATES CHEERFULLY FURNISHED.

granite, including a granite polishing machine, a 25-horse power gasoline engine, and air compressor.

North Carolina.

Cooper Brothers, of the Raleigh Marble Works, at Raleigh, will install new machinery, including pneumatic tools, etc.

Ohio.

The Smith Monumental Works, of Norwalk, recently erected a monument on the family lot of the late Daniel Shedd, in that city. It is of Barre granite, fourteen feet high, and consists of a fine-hammered pedestal surmounted by a life-size statue symbolizing Remembrance.

E. B. Willett recently purchased the old Presbyterian church and the lot surrounding it, at Bryan, and will use the building

die and cap, 12 feet 6 inches in height, rising from a sub-base 9 feet 6 inches square. Jas. Carabelli, Cleveland, O., was the contractor, and the granite work was cut by W. F. Spargo, at Quincy, Mass.

Oregon.

Jeremiah K. Ream, of Albany, has filed a petition in bankruptcy; liabilities, \$476.50; assets, \$150.

Pennsylvania.

The monument recently erected at Mount Rock, Pa., in memory of Governor Joseph Ritner, of that state, as shown in the illustration, is in the form of a granite canopy with a portrait bust in bronze. On the pedestal that supports the bust a bronze tablet bears the following quotation from the poem composed by the poet Whittier on reading Ritner's famous message:

"Thank God for the token, one life is still free,

One spirit untrammelled—unbending one knee;

Like the Oak of the mountain, deep rooted and firm,

Erect when the multitude bends to the storm."

J. W. Eby, of Mechanicsburg, Pa., contractor for the memorial, had it executed by F. Barnicoat, of Quincy, Mass. It is made of blue Westerly granite. The principal dimensions are as follows: Base, 7-9 x 6-0 x 1-4; Height, 13-8; weight, 24½ tons. Mr. Eby writes: "It is certainly a good piece of work made in accordance with the contract and delivered ten days ahead of time."

"This has been the best year in our business since 1882," is the very gratifying report made by W. F. Shaffer & Son, of Somerset, notwithstanding the labor troubles that have been rife in the state since early in the summer. They have been very busy all summer, and are installing a pneumatic tool plant to meet the growing requirements of their business.

Campbell & Horgan, of Pittsburg, have the contract for the erection of a receiving tomb for Washington Cemetery, at Washington. It will be 27 by 32 feet in ground dimensions, and will cost about \$25,000. The exterior will be of granite, and the interior, containing space for about 30 catacombs, will be finished in marble and tile.

Bolster Bros., of Ephrata, have enlarged their granite plant and installed a new outfit of machinery, including pneumatic tools, gasoline engine, steam engine, polishing machine, etc. Their new works are 100 x 165 feet, and shop 16 x 84, with a blacksmith shop and office connected. They are in the market for blue Richmond granite, and would like to hear from firms who handle this stone.

A. T. Gunther has opened a shop at Berwick.

Texas.

Gough & Co., of Waco, are erecting a vault in the new cemetery at Calvert, to cost about \$3,500.

Frank Teich, of San Antonio, has the contract for the erection of the Dick Dowling soldiers' monument at Houston. It will consist of a granite pedestal surmounted by an Italian marble statue.

L. H. Guthrie and Roy Anderson have consolidated The Brownwood Marble Works and The City Marble Works, at Brownwood, under the firm name of Anderson & Guthrie. C. H. Bencini, formerly of The City Marble Works, and Walter Johnson, of the Brownwood Marble Works, have retired.

Royal Underhill, of Beaumont, was delegate at large from the state to the annual encampment of the G. A. R. at Washington, D. C., last month.

Mr. Ousley, of Bowie, has sold out to J. E. Parks, who will continue the business. Mr. Ousley has removed to Chickasha, Ind. Ter.



GOVERNOR RITNER MONUMENT, MOUNT ROCK, PA.

for his granite and marble works. He will install a polishing plant, and a complete outfit of modern machinery.

W. O. Weaver, of Defiance, has bought a half interest in the granite and marble business of William Darby, at Lafayette, Ind., where he will continue business in the firm name of Darby & Weaver.

C. Keim, of Sandusky, is at work on a rustic design representing a pile of rocks, covered with oak leaves, ferns, and grass. A bird's nest containing three eggs is represented in one of the crevices of the rocks. Mr. Keim is an expert carver on work of this character.

Imposing ceremonies attended the unveiling of the public monument to Kossuth, the Hungarian patriot, at Cleveland, O., last month. A heroic bronze statue of Kossuth, modeled by Andreas Toth, a Hungarian sculptor, surmounts a pedestal of dark Quincy granite. The pedestal comprised five bases,

Virginia.

J. B. Adams, a wealthy stock raiser and lumberman, has purchased the half interest of L. C. Wings in the Tazewell Steam Granite and Marble Co., at Tazewell, for \$3,100. R. L. Hopkins, the other member of the firm, will manage the business. The company reports a good trade. Among their recent contracts was a vault containing six catacombs to be erected at Pocahontas.

West Virginia.

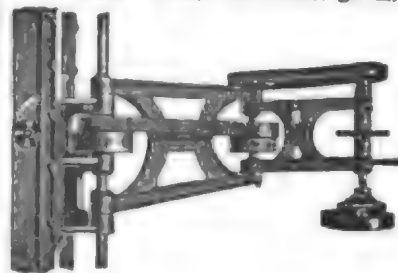
The Levi Morgan monument, illustrated on this page, was erected during the summer by the Stewart Granite Works, of



LEVI MORGAN MONUMENT, NEW MARTINSVILLE, W. VA.

Mannington, at New Martinsville, in memory of the famous scout and Indian fighter. He is dressed in the costume of the early pioneer, and carries an old flint-lock rifle. The model for the rifle was obtained from a family whose great-grandfather carried it in the Revolutionary War. The design is by A. Critchfield, of the Stewart Granite Works, and the Revolutionary relics embodied in the bronze tablet are historically accurate. The monument is of Barre granite, and was cut by Emslie, McLeod & Co., of Barre, Vt. It cost \$3,500, which was appropriated by the state.

BUILT BY... EASTON FOUNDRY & MACHINE CO.
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Rubbers from 3 inches to 48 inches in diameter.
THE EAGLE POLISHING MACHINE
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and other combinations of letters do not fully express the superior qualities of the monumental work manufactured at the

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DESCRIPTIVE CIRCULARS AND PRICE LIST
 ON APPLICATION.

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NEW AND IMPROVED LIFTING JACKS

Double and Triple Geared.

All inside works are of cast steel, all boxes and bushings of brass and copper, center bar of hammered steel, machine cut gears, face plates of rolled steel, all jacks are white oak wood stock thoroughly seasoned.

Not an ounce of cast iron used in their construction.

We manufacture four sizes ranging from 2 to 10 and 15 tons.

Write for catalogue and price lists. We also manufacture Marble and Slate Mill Machinery, Gang Saws, Derricks, Hoisting Powers, Dump Cars, Block Cars and general stone working machinery.

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 FAIRHAVEN, VT.



Obituary.

William R. Tostevin, of the well-known monument firm of J. F. Tostevin & Son, of St. Paul, died October 10, of cancer of the liver. He was born in Buffalo, N. Y., in 1854 and came to St. Paul in 1855, when his father started in business there. The firm is the oldest in the Northwest and his death means a distinct loss to the community. He leaves a widow and four children. His father, J. F. Tostevin, who is 80 years old, still manages a good business.



WILLIAM R. TOSTEVIN.

Howard M. Hersey of Peterboro, N. H., died during the summer after an illness of four years during the last three of which he was obliged to give up business. He was 47 years old and had been in business in Peterboro since 1886. He was born in Pembroke, Me., and learned his trade in the employ of David M. Rogers at Clinton, Mass. He was a member of a number of fraternal organizations, and was well-known and highly respected in the community. His wife offers the business for sale.

J. L. Brittain, a dealer at Georgetown, Tex., died recently. William Textor, of the well-known firm of Geraughty & Textor, at Leavenworth, committed suicide in a temporary fit of insanity, caused by despondency over the death of his wife, who, while insane, last winter, saturated her clothes with kerosene and set fire to them. The dead man was found one morning on the grave of his wife, with a bullet in his head. Mr. Textor was an Englishman by birth, but had long been a respected citizen of Leavenworth.

ILLUSTRATIONS

Plates in Photogravure Edition.

(Formerly The International Edition.)

- NO. 652. LYMAN-BULLOCK Goff Monument, erected in Swan Point Cemetery, Providence, R. I., by F. F. Tingley, of Providence; material, Tennessee marble.
- NO. 653. DESIGN FOR MONUMENT, "NORTH," by R. C. Blocksom, Boston, Mass. Sizes: Base, 5-0X3-0X1-3; base, 4-0X2-0X0-11; Die, 3-6X1-6X3-0.
- NO. 654. DESIGN FOR MONUMENT "HAIGHT," by J. C. Ayers, Mansfield, O. Sizes: Base, 6-4X3-6X1-2; Die, 5-0X2-2X3-0; height, 4-2.
- NO. 655. TWO DESIGNS FOR TABLETS, by E. Sargent Sampson, of New York. Sizes: 1-6X0-8X1-10 and 1-6X0-10X1-8.
- NO. 656. DESIGN FOR MONUMENT, "JOHNSON," by B. F. Allen, Indianapolis, Ind. Sizes: Base, 5-0X3-2X1-4; Base, 4-0X2-2X1-2; Die, 3-4X1-6X1-8; Cap, 3-11X2-1X1-0.



"DRAKE MONUMENT" Titusville, Pa.
CHAS. BRIGHAM, Architect.
CHAS. H. NIEHAUS, Sculptor.
Statue Cast by
Jno Williams Bronze Foundry.

Jno. Williams

Bronze Foundry and Works

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MAUSOLEUMS
and HEADSTONES.**



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QUARRY OWNERS. MANUFACTURERS.

Large Building Work and Mausoleums a Specialty.QUARRIES: Red Stone, N. H.
North Jay, Me.OFFICES: Portland,
Maine316-19 House Bldg.,
Pittsburg, Pa.629 Stephen Girard Bldg.,
Philadelphia, Pa.1531-33 Unity Bldg.
Chicago, Ill.**MILLSTONE
GRANITE
QUARRIES****HENRY GARDINER, Sole Prop., P. O., Millstone, Conn.**
Quarries Opened in 1830.**THE ONLY GENUINE MILLSTONE, CONNECTICUT, GRANITE.**

Finished Monumental work and Rough Stock wholesale. Certificate of award at the Centennial Exposition of 1884 on Millstone Granite for the good color of the stone, its fine close grain, and good polish, and the marked contrast between the polished and dressed surfaces; a character which gives unusual distinctness in ornamentation and makes it especially adapted for fine cemetery work.

Telegraph and Telephone, NEW LONDON, CONN.

**STONECUTTERS
COURSE**

A thorough, brief and quick series to master the details of better stone cutting, patterns, sizes of stone and method of cutting. Everything direct. No waste of time. Everything the quickest. Knowledge makes success, success brings more money. Don't you want some of it? Bluff, gall and guess don't go these times; you have got to know it. Good men are scarce. No samples or set sent to be examined.

SERIES 1.

Geometry that is required for the board, sections, developments, short methods, skeletons of tracery, soffit moulds, all kinds of arches, rake moulds, fluting, groins, battered arch, niches straight and circular, raking ceilings, domes, hanging stairs, ribbed ceilings, twisted ashlar and lots of others. Price \$6.

CIRCLE ON CIRCLE.—Series 2.—15 Plates.

All kinds shown, plain and radiant joints, single, triple and battered arches, to make the patterns for a plain and moulded arch; different ways of working; all good. This is easy. \$10.

RAMP AND TWIST.—Series 3.—16 Plates.

Shows how to make patterns and cut the stone of stoop rail, rails from all kind of plans and elevation. Spiral ceiling; every part has a diagram, private methods and stone yard ways. All good. \$10. P. O. or Express Order.

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Increase Your Profits

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None better for
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money.

Satisfaction Guaranteed.

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GRANITE CUTTERS'
TOOLS.**

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BARRE, VT.

**PLASTILINA
FOR MODELING**

IS far superior to modeling Clay and Wax—is Pliable. Shows finest impressions and stays unchanged for any length of time. Requires no sprinkling or damp covering; does not stick to fingers and may be used over and over again. Samples and prices on application.

STROHMEYER & ARPE CO., 33 Water St., New York.**The Mosaic Tile Co.**

—MANUFACTURERS OF—

**Ceramic Mosaic Tile**

For Floors and Mural Decorations.

Floors and Wainscots for Vaults a Specialty.

Glaze Mosaic for Mantels, Hearths and Wainscots.

Sketches, Estimates and Samples
submitted on application.**Zanesville, O.**

Write for Catalogue "C."

At the QUARRIES

Quincy, Mass.

From Our Regular Correspondent.

Business still promises well and a majority of firms have shown an increase over the preceding month. The quarry output is of the best and coming in sufficient quantities, so as to set at rest the fear of the manufacturers at not having their work completed on time. A shortage of soft coal has been felt, which with the sparse quantity available and the advance in price has caused no little inconvenience. At this writing, though, the 22d ult., conditions are bound to improve, now that the anthracite miners are about to resume operations. Within a month's time plenty of coal will be on hand and bituminous, which is used extensively throughout the manufacturing district, will have attained its normal price.

Anent the coal famine: Philadelphia, the depot of the country's coal market, may have had to import coal from Wales during "the late unpleasantness," which has set at naught the old adage of "carrying coals to Newcastle." It remained for an enterprising personage, one J. P. Galvin to carry Quincy granite to Quincy. In Boston, some eight miles north of this city, several buildings of Quincy granite, erected in the early part of the 19th century, have been torn down to make room for higher and more modern structures. The granite used in their construction was of an excellent quality, and of sufficient size to be used handily by manufacturers.

Mr. Galvin noted same and, acquainted with the fact that there was a dearth of dark stock in Quincy, set about supplying these blocks to the needy manufacturer. As a result during the past month two and four-horse drays have been carting this granite from the vicinity of the Old South Church, Boston, to the manufacturing district in South Quincy. The stock is dark and without blemish and of sufficient size to work it readily into small cemetery pieces.

The Quincy Granite Quarries Co. is perfecting details consequent to its reorganization so that in a short while, the facts relating to same will be made known through the columns of the NEWS. Manager Morgan reports business "the best ever," and under his efficient direction the company is hastening the delivery of the following orders: 750 tons of finished blocks for the New York subway; an 8x5x4 die of medium stock for Schrader & Sons, St. Louis, Mo., and a large table with carved legs, cut from the company's medium stock. The firm at present is shipping stock from New Brunswick to Texas and intervening points.

John Lawry left here Oct. 22nd for a visit to his old home in England. During his absence the business will be conducted by Daniel Cameron.

Harry Smith is the new superintendent at the Lyons Granite Works in West Quincy.

Joss Bros. are at work upon a monument, which for size and excellence of workmanship will redound not only to the credit of the firm, but also to the fame of Quincy granite. It is the soldiers' monument to be erected in the National Military Park at Chattanooga, Tenn., for the 73d Pennsylvania regiment. The work will be of medium Quincy granite and is briefly described as follows: Bottom base, 5x5x1-3; second base, 4x4x1, three sides of latter are to be polished and on front face in raised polished letters is the inscription: "73d Regiment, Pennsylvania Veteran Volunteers, 2nd Division, 11th Army Corps." First die 3 feet 1 inch square by 3 feet high, four sides are polished and margined, and a 500-letter inscription, relating the regiment's engagements. Second die, 3 feet square by 4 feet high, four sides polished, a star is cut on the two faces and a crescent on the two sides.

On the front of die is a bronze coat of arms of the State of Pennsylvania, and is a fac-simile of the bronze plate used on the Hancock, Mead and Reynolds' monument at Gettysburg. Topping the second die is a plinth 2 feet square by 1 foot high, polished and margined. An axed dome surmounts the latter, 2 feet 6 inches square and 1 foot 6 inches high. The work when completed promises to be the best that has been shipped from Quincy for some time.

Following is a partial list of dealers to visit the trade during the past month: W. H. Sarvis, Cincinnati, Ohio; W. J. Archer, Steubenville, Ohio; R. L. Hall of the Sedgwick-Hall Monument Co., Charleston, Ill.; E. Adler, New York City; Harry Sandring, New York; Mr. Mitchell, Schenectady, N. Y.; Mr. Darden, representing Hilgartner Bros., Baltimore, Md.; M. Herb, Philadelphia, Pa.; J. H. Flatz of Flatz & Eby, Piqua, Ohio; J. N. Reed, Keene, N. H.; T. W. Nickerson, Hyannis, Mass.; P. Eisenbrown, Reading, Pa.; Frank Cummings, Haverhill, Mass.; George Bruner, E. W. Hoffman, Cedar Rapids, Ia., and R. C. Smith, Chicago.

The shipments of rough and finished granite in pounds from the various depots follow: West Quincy, 6,941,315; Quincy Adams, 3,841,331; Quarry Railroad, 5,135,220; total, 15,917,866.

Barre, Vt.

From Our Regular Correspondent.

During the first half of October orders came in very slowly. There was some improvement later; but less work than usual has been secured for the fall

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(At the Quarries, Continued.)

and winter. Unless there is a marked change for the better many of the firms will probably shut down for longer or shorter periods after the cold weather sets in. It has been feared that the lack of fuel would make this necessary, no matter how much work was on hand, but that obstacle will probably not trouble any more. So far the supply has been sufficient, and prices are very little higher.

The worst difficulty that our manufacturers have to contend with at this writing is the lack of cars to move their fall shipments. They are receiving anxious letters from their customers, inquiring in every tone of voice, why their orders have not been shipped; and they in turn are keeping the wires to the freight offices hot with calls for cars, which cannot be furnished. Both our railroads are poorly stocked with these necessary articles, and largely depend upon outside help, which, at this season of crop-moving, cannot be depended upon. Why would it not be a good scheme for our manufacturers to form a Granite Transportation Co., among themselves, and provide the necessary facilities under their own control? It may come to that if the railroads do not equip themselves more fully for the work.

Suit has just been brought against the city to restrain it from furnishing water for steam boilers and polishing. Should it be successful, the question of a supply for these vital needs would become a very serious one in the case of many of our firms. The city has been trying for a long time to settle this matter, and has expended large sums in buying water-rights, so that now only two remain, and these have united in this suit.

The Barre Granite & Paving Co. have large contracts for paving, but are greatly bothered for lack of cars. Bond & Whitcomb have orders for a great deal of their bridge and building stock.

Another and larger shipment of granite by express was made during the month. C. E. Tayntor & Co. had urgent need of their large granite pillars, portions of a mausoleum they were erecting in Woodland

cemetery, Brooklyn, N. Y., so had them sent by fast express. The total weight was 1,400 pounds.

E. L. Smith & Co. are cutting a large mausoleum for W. J. Lemp, the St. Louis, Mo., brewer from the design of Hodges & McCarthy. It will be 35 ft. 11 in. x 34 ft. 1 in. on the ground and 25 ft. 4 in. high. Four roof stones on the main structure are 4 ft. 2 in. x 1 ft. 1 in. x 28 ft. 3 in. and two side roofs 16 ft. 8 in. x 9 ft. 6 in. x 2 ft. 9 in. each in one piece. The interior has a clear space of 14 ft. 2 in. x 22 ft. 1 in., with a large art-glass window. There will be 32 catacombs. This firm is now shipping eleven Regimental monuments for the State of Iowa, to be erected in the National Military Park at Shiloh. These monuments are similar in design, of the following dimensions: Base, 10-0x6-6x2-0; base, 8-2x4-8x1-6; die, 7-0x3-6x3-3; cap, 8-2x4-8x3-2. The name Iowa in six-inch raised letters appears on front and back of cap and bronze; inscription panels are to be placed on the die of each monument. This work is being cut for the P. N. Peterson Granite Co. of St. Paul, Minn.

Other work of special interest now in hand is the Prof. David Swing memorial for Chicago and the Pontiac, Ill., soldiers' at Marr & Gordon's; the Iowa State monument for Shiloh, at the Harrison Granite Co.'s; the Lincoln memorial for Cincinnati at Jones Bros., and the soldiers' monument for Media, Pa., at McDonald & Buchan's. The Lincoln monument is elliptical in plan, 35 ft 6 in. x 24 ft. 2 in., approached by three steps. In the center of the exedra is a pedestal with three bases, die and cap, on which is to stand a bronze statue of Lincoln. A bronze figure representing History will stand in front of the die in the act of inscribing upon it. At either end carved posts will support ornamental lamps. The new plant referred to last month as having been completed by Leland & Hall Co. was built by Canton Brothers, who lease a portion of it to Leland & Hall Co.

C. W. McMillan of McMillan & Stephens recently returned from a visit to his former home in Scotland.

A telegram October 28 announces the death of Geo. Lamson, of Wells, Lamson & Co.

Quarry Notes.

Alderman Thomas Nawn, the pioneer granite contractor of Concord, N. H., has the contract for the granite work on the new City Hall in that city. He writes that there is an encouraging outlook for the granite industry during the coming winter.

Because they employ non-union labor, the Maryland Granite Co., whose extensive quarries are located near Baltimore, Md., are having trouble in getting their building work set. The union stone-setters have refused to handle it.

The Woodbury Granite Co., of Hardwick, Vt., and E. B. Ellis, of Northfield, Vt., have made individual purchases of granite quarry property at Bethel, aggregating several hun-

dred acres, and said to have cost \$5,000. The granite is fine in texture, very white, and takes a remarkably fine arris. It will be put on the market for building purposes.

The Norcross & West marble quarries, at Dorset, Vt., are turning out more than 200 tons a day. The marble for the New York public library is being quarried there, and about 100 horses are used in transporting it to the mills at Manchester depot.

Blocks of blue sandstone from the Allshouse quarries, recently brought to Greensburg, Pa., for a building contract in that city, are said to be the largest ever quarried in the state. They were 20 feet 8 inches long.

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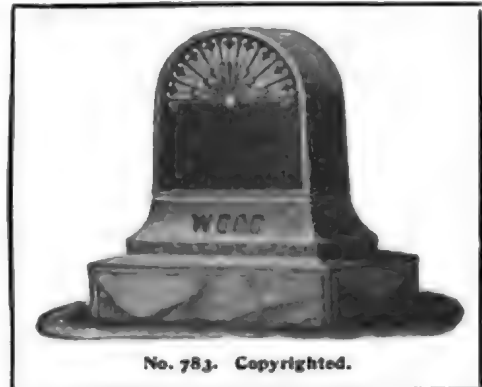
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PROPOSED MONUMENTS

HARTFORD, CONN.—The Hartford Volunteer Veteran Firemen's Association has appointed a committee to arrange for the erection in this city of a monument on the veterans' lot in the Old North Cemetery. David L. Gaines is chairman of the committee.

PITTSBURG, PA.—The trustees of the C. L. Magee Memorial fund have recommended the erection of one or two memorial fountains instead of a monument. The fund now amounts to about \$36,000. James I. Buchanan is chairman of the committee on plan.

MARYSVILLE, O.—Governor Nash has appointed trustees in accordance with a recent act of the Legislature, to erect a G. A. R. memorial building in this town.

COLUMBUS, O.—An effort is being made for the erection of a memorial to "Yost's Captured Battery," for distinguished services at Harper's Ferry and Champion Hill. Captain T. D. Yost, of Wellsville, O., is in charge of the movement.

WARSAW, N. Y.—A committee has been appointed to raise funds for a monument to the First New York Dragoons to be erected on the old camping grounds of the regiment near Portage Bridge. Homer O. Kelly, of Warsaw, is secretary of the committee.

NILES, O.—The Niles McKinley Memorial Association has been formed to raise \$3,000 for the erection of a memorial tablet on the block of the City National Bank, which stands on the site of the old McKinley home-stand.

OCEAN GROVE, N. J.—Committees have been appointed by the Ocean Grove Camp Meeting Association to further the work of erecting a monument to Rev. Dr. E. H. Stokes, one of the founders of the village. About \$3,000 has been subscribed, and it is expected that funds sufficient to erect a bronze statue will be obtained by next spring. Rev. Dr. A. E. Ballard is chairman of the committee.

AMESBURY, MASS.—The Whittier Home Association has been organized to erect a monument in this town, for 50 years the home of the poet Whittier, and announces that the work is progressing satisfactorily. Mrs. Emily B. Smith is president of the association.

PICACADEPHIA, PA.—The Thomas Jefferson Memorial Association of the United States has been formed for the

(Continued on next page.)



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NEW YORK.

(Proposed Monuments, Continued.)

erection of a memorial to Jefferson at Washington, D. C. The funds are all to be raised by popular subscription.

RENSSELAER, IND.—The Ninth Indiana Volunteers are planning to erect a monument in memory of General Milroy in this town, and also one to mark the site of Camp Colfax, the rendezvous of the "Fighting Ninth." I. C. B. Suman, of Valparaiso, is president of the association.

DAYTON, O.—A movement is well under way here for the erection of a monument to D. D. Sinclair, late Secretary of the Y. M. C. A., who is buried in Woodland Cemetery. W. V. Snyder is secretary of the association.

HASTINGS, NEB.—The James Laird Memorial Association has been formed for the erection of a memorial to the late James Laird. A Civil War cannon has been obtained, and will be used in the monument. W. P. McCreary is president of the association.

BROOKLYN, N. Y.—The Martyr's Monument Association announces that the fund of \$200,000 for the martyrs' monument lacks but \$10,000 of completion. Appropriations of \$100,000 from Congress, \$50,000 from the Legislature, and \$25,000 from the city were secured on condition that the remaining \$25,000 be raised by the association. It is expected that designs will be asked for early this winter. S. V. White is president of the association.

HARISWELL, ME.—A movement headed by alumni of Bowdoin College, is on foot for the erection of a monument

Continued on next page.

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(Proposed Monuments, Continued.)

to the late Rev. Elijah Kellogg. The college treasurer is in charge of the fund.

NORWALK, CONN.—The fund for the erection of a soldiers' monument here is reported to be growing rapidly. Street Commissioner Martin Kellogg is in charge of the fund.

COLUMBIA, MO.—The Independent Order of Good Templars of the World will erect a monument over the grave of the late Col. J. J. Hickman.

MONTPELIER, VT.—A resolution was introduced in the State Legislature here commissioning the Governor to contract with an artist or sculptor to prepare either a marble or bronze bust, bronze medallion or oil painting of the late Hiram A. Huse, to be suitably inscribed and placed in the Vermont State Library in memory of the man and of his valuable services to the state as State Librarian for 30 years.

MONTEREY, CAL.—A movement for the erection of a monument to Admiral John Drake Sloat in this city is meeting with popular endorsement. The plan proposed is that every county in the state contribute blocks of stone to assist in building the monument.

PONTIAC, MICH.—The G. A. R. and the Woman's Relief Corps have united in a movement to erect a monument to General Israel B. Richardson, who fell at the battle of Antietam.

RICHMOND, VA.—A movement is on foot to erect a monument at Fairmont Academy, to cost \$20,000. Rev. E. O. Ellis is at the head of the movement.

OTTAWA, ONT.—The fund for a monument to the late Nicholas Flood Davin, which is being raised in this city, now amounts to over \$20,000, and a design is soon to be selected. Henry J. Morgan is in charge of the fund.

NEW HAVEN, MICH.—The township board, of this town, has appropriated money to erect a monument to the memory of soldiers of this township who lost their lives in the Civil War.

BRUNSWICK, GA.—A chartered corporation has been formed here for the erection at Frederica of a monument to James Edward Oglethorpe, Governor of the Colony of Georgia. Charles S. Wylly, and others, of Brunswick, are the incorporators.

(Continued on next page.)

(CIRE-PERDUE PROCESS)
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Proposed Monuments, Continued.

CANISTEO, N. Y.—The Woman's Relief Corps is engaged in raising funds for the erection of a soldiers' monument here. The memorial is to take the form of a tower in which will be set a town clock.

MINNEAPOLIS, MINN.—The Commercial Club and others are raising funds for a bronze statue of Hiawatha, to be erected in Minnehaha Park.

A movement has been inaugurated for the erection of a monument to the late Col. John H. Stevens, who built the first house erected in the city of Minneapolis. The site selected is at Bridge Square.

CLEVELAND, O.—The Kosciusko Monument Association has been incorporated for the purpose of erecting a monument to Kosciusko, the Polish patriot.

MILWAUKEE, WIS.—The Polish Monument Association has been organized for the purpose of erecting a monument to Kosciusko to stand in Kosciusko Park in this city. Designs from sculptors have been invited, to be submitted before December 4. The memorial will cost \$13,000, a large part of which has been raised.

FRANKFORT, KY.—The Goebel Monument Building and Executive Committee has invited designs for a monument to the late William Goebel, to cost \$15,000, consisting of a bronze statue and granite pedestal. Designs and specifications must be delivered to the committee at Frankfort on Nov. 18th. David R. Murray is secretary of the committee.

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What Our Advertisers Are Doing.

A very pleasant experience was that which came to the workman in the employ of Frederick P. Bagley & Co., of Chicago, who had been engaged on the interior marble work in the new Hitchcock Hall at the University of Chicago. On the completion of the building recently Mrs. Hitchcock, the donor, acting through her architect, Mr. Dwight Perkins, invited all the workmen who had been engaged on the building to come and bring their wives to a reception given in the Hall by Mrs. Hitchcock for the purpose of inspecting the finished work. Quite a number accepted the invitation, and spent a very pleasant afternoon enjoying refreshments and looking at the finished results of their handiwork. Such a mark of appreciation is an incentive alike to manufacturers and their workmen and reflects most creditably upon all concerned.

The Bishop monument, illustrated in the advertisement of George L. Mead, wholesale granite dealer, New York, which appears in this issue, is a good example of a fine class of granite work furnished by Mr. Mead. Among other contracts he has under way at this time is a public fountain to be erected at Sussex, N. J. (formerly Deckertown), by J. S. Martin, a prominent resident. The fountain is being made of best dark Quincy granite, rising from the granite basin is a polished column surmounted by a ball on either side of which are to be electroliers. E. A. Decker, of Sussex, is the local contractor. Another noteworthy contract on Mr. Mead's books for early delivery is an all hammered Barre granite sarcophagus with a cluster of five columns on either end of the die. The base is to be 14-0x7-4. It is being made for Lazzari & Barton, of Woodlawn.

Mr. Otto Rathmann, secretary of the Milwaukee Monument Co., Milwaukee, Wis., was in Chicago last month on business concerning the new plant which this concern is now erecting for the manufacture of granite monumental work. A boarding house is being erected at their Waushara quarries that will accommodate 65 men. A stone crusher and improved machinery has been ordered for this quarry and work on their Milwaukee plant is progressing rapidly.

After experimenting for nearly two years to perfect a pneumatic tool for drilling holes in granite, H. G. Kotten, the inventor of pneumatic machinery for working in granite, has succeeded in making a tool that works with remarkable dexterity. Mr. Kotten was at Barre, Vt., last month, where he demonstrated in the presence of granite manufacturers, the working qualities of the tool. A $\frac{3}{4}$ -inch hole 3 inches deep was drilled in a block of Barre granite in forty seconds with a pressure of 50 pounds. With a pressure of 70 pounds Mr. Kotten made holes the same size in less than half the time. The machine is portable and resembles an enlarged pneumatic hand tool, the actual size of the one used was 14 inches long, 2 inches in diameter. The drill used is an ordinary flat drill and is easily revolved by the operator. The number of strokes made by the hammer against the drill is estimated at 2,000 a minute. The machine may be used for making plug and lewis holes, channeling, peening and bushing and is one that will be appreciated by stone workers generally judging from the expressions of those who have witnessed its work.

W. C. Townsend & Co., wholesale granite dealers and importers, Zanesville, O., have recently furnished an Italian

marble statue for a monument erected by L. Emmett, of Logansport, Ind., that has created wide interest. The statue represents the late Wm. Reighter standing in the exact position in which he stood and the garb he wore when stricken with an affection of the heart that proved fatal. Mr. Reighter was a contractor and in stormy weather wore rubber boots and rubber coat; these have been faithfully reproduced, as well as the umbrella on which Mr. Reighter leans. The statue stands on a plinth and two bases of Barre and Quincy granite and Mr. Emmett pronounces the statue "as fine a piece of work as ever came out of Italy." Requests for photographs and a description of the statue have come to Mr. Emmett from different parts of the United States and a large publishing house in London, Eng.

The Winnsboro Granite Co., of Winnsboro and Charleston, S. C., has scored a great victory in securing the million dollar contract for the granite to be used in the new state house at Harrisburg, Pa. Winnsboro granite is growing in popularity for monumental purposes.

Joseph Newall & Co., Westerly, R. I., have the largest amount of work on hand at the present time they have ever had in the history of the company. Their new plant is taxed to its fullest capacity and a new and commodious office has recently been completed. Among the important contracts now on their books are mausoleums for U. S. Senator Thomas C. Platt to be erected at Owego, N. Y.; Wm. L. Elkins, the Philadelphia capitalist; Mr. Stein, of the big Rochester, N. Y., clothing concern; a finely carved Celtic cross for Bishop Vincent of Cincinnati and numerous other memorials to be made of their fine Westerly granite and in the characteristic manner that has won for this company its reputation for good work. The Elkins Mausoleum will rank with the finest structures of the kind yet erected. It will be constructed almost entirely of Westerly granite and will require blocks of unusually large dimensions, the ground course will be composed of four stones 27-6x2-10x2-0. Finely carved columns extend around the structure and support a massive cornice and roof, the latter being in seven pieces, each measuring 27-11x4-0x2-2. The interior will be highly polished and carved. The Stein memorial will be in the form of a Greek temple 24x25 feet on the ground and 23 feet high. The plans call for large stones and elaborate carving.

Some idea of the demand that exists for polished granite samples may be had from the business that is being done in flat samples and polished balls by McDonald & Buchan, Barre, Vt. Within the past two months they have turned and polished 500 flat samples and 200, 2 $\frac{1}{2}$ and 3 inch balls. The balls represent the product of the principal granite quarries in the United States and make an attractive way of showing the granite. McDonald & Buchan have had a very busy summer, being obliged to work their lathes and polishing mills overtime. Their monumental department has been in excellent condition all summer and bids fair to continue busy well into the winter. This firm is a member of the Manufacturers' Quarrying Co., whose quarries give promise of producing stone of fine quality.

This has been a banner year with Ryle & McCormick, of Montpelier, Vt., whose sales of finished monumental work in Barre granite exceed those of any former year. They have worked four gangs of men and have been obliged to install

a new and larger compressor. They are now operating an Oldham stone surfacing machine and 18 or 20 hand tools. The character of the work shipped this year shows an improvement both as to size and quality and the commendatory letters received from correspondents are very gratifying. They have orders on hand to keep them busy into the new year.

F. A. Phillips, formerly of Phillips Brothers, East Barre, has been admitted to the firm of Cannon & Slack at Northfield, Vt., which is now known as the Cannon & Slack Co. T. B. Cannon and H. H. Slack organized the firm in 1899 since which time they have made steady growth. A new power travelling crane and a larger compressor will soon be installed to enable them to keep pace with their increasing trade. They are at present engaged upon a sarcophagus of neat design to be erected at St. George, New Brunswick, at the grave of the late H. D. Phillips, who was formerly in business in Northfield.

Golden pink granite quarried at East Lyme, Conn., is superior for fine carving. The quarry is owned and operated by A. Malnati, of Quincy, Mass., who furnishes it in the rough or finished. Mr. Malnati carries in stock some artistically carved tablets and monuments that show the fine working qualities of his granite.

A. R. Stonier, president of the Morris-Stonier Steam Granite Works, Toulon, Ill., recently returned from a trip through Missouri, Kansas and Texas and reports the outlook for business very good. This company has been obliged to double its manufacturing capacity twice since beginning business last year, which is a good indication of prosperity. Mr. Charles Rouelle, formerly of Baltimore, Md., is in charge of their polishing department.

George Straiton, granite manufacturer, Barre, Vt., invites the attention of our readers to the illustration of his shop which appears on another page. It is an up-to-date plant and Mr. Straiton solicits an opportunity to show the kind of work he is turning out. He has some new designs of medium cost monuments that will be desirable for stock work.

The Harrison Granite Co., of New York, write that the first Civil War monument in the United States erected at Franklin, O., as noted in our last issue, was made by the firm of Knight & Harrison, of Adrian, Mich., one partner of which was the father of the officers of their firm. The monument was of Berea sandstone, as marble was then in vogue for large work.

The Smith Granite Co., Westerly, R. I., are said to have under consideration the erection of a large cutting shed at their quarries. Business is very good with them.



MERRY MOUNT GRANITE COMPANY.

Quarry Owners and Manufacturers

Monuments, Statuary and Cemetery Work,

From Light and Dark Quincy Granite and all kinds of NEW ENGLAND GRANITE. The trade supplied with Rough Stock. Estimates on application.

Works: Quincy Adams Station, - QUINCY, MASS.

Marble Notes.

Valuable marble and limestone deposits are said to have been discovered by A. S. Rinearson near Cambridge, Washington County, Idaho. The deposit includes large quantities of white, rose, and clouded marble.

The White Crystal Marble Company, of Gouverneur, N. Y., recently incorporated with a capital stock of \$100,000, has completed its new plant. The main building is 60 by 80 feet, and the boiler and engine-room 16 by 80. The company is engaged on a \$200,000 contract for Middleton. Charles A. Lux, of Clyde, is president, and H. C. Brewster, of Syracuse, vice-president.

The Montana Marble and Mining Co., recently incorporated to work claims near Helena, Mont., is said to have holdings rich in six different kinds of marble of fine quality.

The Columbia River Marble Company has been incorporated at Spokane, Wash., with a capital stock of \$500,000, to quarry, cut, carve, buy and sell marble and useful stones for building, monumental and ornamental uses. The incorporators are: C. E. Mitchell, C. S. Mims, T. H. Greenway, George W. White, and John C. Kleber.

The new "Fowler" mill of the Rutland-Florence Marble Co., at Florence, Vt., which has been in course of construction for nearly a year, is now practically completed, and the new machinery has been installed. It is 150 x 436 feet, and is said to be the best equipped marble mill in the world. The entire framework is of iron, and there are 30 gangs of saws. A trolley traveling crane traverses the building and can place marble in any spot.

A new process for the manufacture of artificial marble has been patented in Berlin, Germany. Asbestos, dyeing materials, shellac, and ashes are pounded into a stiff mass and then subjected to a high pressure. The product is said to be surprisingly firm and tough, but not brittle, easily worked with tools, and capable of taking a high polish, so that it can scarcely be distinguished from natural marble.

The Standard Marble and Onyx Company has been incorporated at Spokane, Wash., with capital stock of \$1,500,000, to develop marble deposits in Stevens County. The company has recently bought 660 acres of land there, and has leased 200 acres more. Several car loads of machinery have been ordered from the East, and operations are soon to be commenced. The incorporators are: A. S. Patton, of Leominster, Mass.; Irvin S. Fogg, of Norwood, Mass.; M. E. Lawson, of Boston, Mass.; S. Douglas, of Colville, and J. W. Douglas, R. D. Miller and B. D. Overstreet, of Spokane.

Mr. Geo. E. Royce, one of Vermont's pioneer marble producers, represents his Senatorial district in the State Legislature. He is one of the most active men of his years in the marble business, and is as deeply interested in it as ever. Since the sale of his well-known True Blue and Esperanza property several years ago, Mr. Royce has been investing in other properties, until his present holdings aggregate over 400 acres of the most valuable marble property in Vermont. When seen at the State Capitol last month, Mr. Royce exhibited specimens of white statuary and ivory colored marbles of remarkable fineness and beauty, which he expects to put on the market next year. Among the ten marble properties now controlled by Mr. Royce, is the Florence vein, which is said to be the largest vein in the state. He came into possession of the old Corona mill at Brandon last month, and intends to thoroughly modernize its equipment.

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Dissolution of the Barre Exchange.

At a meeting of the Barre Granite Manufacturers' Association, held on Nov. 5, it was voted to discontinue the Granite Exchange. This will be a disappointment to the manufacturers who supported the movement and the retail dealers who saw in it a means for maintaining something like a reasonable and uniform scale of prices. The main reason for the decision of the association was lack of support on the part of the manufacturers. It is conceded that considerable headway has been made in the reforms the exchange had designed to effect, and much opposition has been overcome during the eight months of its existence; but as was suggested when the organization was effected, it was weak in its constitution in having no regulations forceful enough to compel co-operative

effort and support. The ruling idea of the exchange was to unite the manufacturers in a plan to maintain better prices, but unfortunately all would not unite, and those who did would not in all cases adhere to the rules and regulations, a matter of necessity to assure success. It has been an expensive experiment, but certainly not without some benefits, for better prices prevail, notwithstanding the fact that supply and demand regulate this to a greater or less degree, and many of the smaller manufacturers have come to understand and realize more about the cost of doing business and will profit by it in the future. Then, again, the experience gained in organizing and conducting the exchange will be of great advantage in any future movement to improve trade conditions from the standpoint of co-operation, which, after all, is the essential element to command prospective success; the weak points which were suggested in these columns months ago can be remedied at the inception. Had the co-operation of the wholesalers been secured in the beginning, as was contemplated, the outcome might have been different; but the most favorable conditions in the way of membership would not have secured success unless the agreements had been adhered to, a condition absolutely obligatory in the development of all progressive business.



An Unbusiness-like Practice.

The indiscriminate distribution of price lists and stock sheets through the mails is a practice to be unreservedly condemned and to which we have frequently drawn attention in the past. Wherever such a list and stock sheet becomes of public knowledge, or falls into the hands of parties ready to take advantage of the information conveyed, a very great wrong is done the legitimate dealers of the locality, the results of which cannot be foreseen. Wholesale price lists are in the nature of business personal communications and they should be confined exclusively to legitimate dealers. Mr. U. F. Clark, of Geneseo, Ill., calls our attention to a stock sheet recently issued by a Barre firm that had been mailed to an individual who had no connection with the trade whatever. Retail dealers have rights that should be respected, and are by those firms that have the best interests of the trade at heart.



A Suggestion to Agents.

In the course of the trial of a suit to recover the purchase price of a monument by Foley Bros., of

Olean, N. Y., there was brought out the fact that after the job was set the agent of another firm met the purchaser and succeeded in creating dissatisfaction with the monument, which resulted in litigation and loss to the contractors, despite the fact that the evidence was favorable to them. Such a method of securing contracts is discreditable to all concerned and merits the severest condemnation. That competition nowadays is sharp cannot be denied, but it demands honor and honesty in its methods, and to attempt to secure trade by underrating or disparaging a competitor's work after contracts are made deserves censure in no measured terms.



Credit in the Monumental Trade.

It has come to be a saying that "credit is too cheap," which means in one sense that it is easy to commence business with very small capital, because with reasonable credentials as to character and connections, goods may be obtained for stock and sale on more or less easy terms of payment. And this is especially true in the marble and granite trade. Yet it is a fact that very few starting business under such circumstances succeed, because the vicissitudes of business life and the general precariousness of collections in retail trade, are such serious obstacles to the man who, after opening his shop and making some sales from his credit stock, finds all his capital on his books and maturing notes to be met out of possible collections. The anxiety to do business and the anxiety to go into business has created conditions which are altogether inimical to prosperous trade in general, and evidence attesting this fact can be gathered every day. Character and connections without the necessary business ability should not alone command credit, and even with the ability to do business on sound principles, there should be sufficient substantial backing to afford a prospect of success. Unfortunately in the monumental trade so many manufacturers are all too ready to grant credits, or at least to ship goods without proper assurance that their bills will be met, and they thus promote a destructive competition by assisting to create irresponsible dealers, whose anxiety to get trade in the effort to keep afloat makes them oblivious to every essential requirement of good business, and leads to the debasement of prices below all measure of practical profits.



Design and Construction of Mausoleums.

We frequently note the extensive repairs required in numbers of mausoleums erected a few years ago, and wonder how it is possible that structures built of such permanent materials, and in so solid a manner, so quickly need overhauling; and this condition is very liable to occur in a few years to many of the

vaults constructed at this present time. No one knows better than the practical granite contractor, who attempts to carry out the designs of many architects, how thoroughly impracticable many such designs are, and in fact thousands of dollars have been expended in tearing down imperfectly constructed mausoleums. Some of the essential features of design are: appropriate and durable material, solidity, a minimum of unprotected vertical joints, no superfluous members in mouldings, thorough ventilation and drainage. Too many mausoleums are not only defective in design, but also in construction, for which the manufacturers are largely responsible. None but competent workmen should be engaged on this class of work and every detail during the erection of the structure should be carefully attended to. The cements and mortars should be of the best materials and mixed and used under specifications as exacting as for the highest class of structural work, and the jointing, bedding and setting of the stones should be as perfect as modern tools, methods and qualified inspection can secure. An examination of old vaults will generally show wherein construction is defective, and designers and manufacturers of this class of buildings should study these tombs so as to profit by their failures and avoid such like mistakes in the future.



School of Sculpture, Montpelier, Vt.

The three months' course in sculpture which was given the past summer at Montpelier, Vt., under the direction of Mr. Charles Albert Lopez, of New York, amply justified its promoters in their missionary effort and proved an unqualified success. Its aim was to improve the quality of the carver's work and to afford an opportunity to the young men to learn the higher branches of their trade. Some twenty-five students entered the course, fifteen of whom were stone cutters, and the great progress and appreciation of the latter proved their appreciation of the school. The students were taught the principles of design and the treatment of ornament according to the material on which it is to be worked. The promoters are gratified at the success of the first summer's work and have decided to continue the school every year during the months of July, August and September, and it is probable that the scheme may be amplified to include a life class and a class in painting. Thus a complete summer art school may be established in a delightful country, to the great and lasting benefit of the granite interests of the district, for since the invention of the tools for granite carving competent workmen of artistic knowledge and taste have been the long felt want. The business men who backed this progressive enterprise are to be warmly congratulated on its outcome.

National Sculpture Society Exhibit, New York.

The recent exhibition of the National Sculpture Society, in connection with the New York Florists' Club, was one of the most important that has ever been held



"IN SORROW." E. NEANDROSS, SC.

in this country, and the society is to be greatly congratulated on this result.

For the first time has the background been adequate to relieve the larger groups and single figures, so that they could stand out independently and almost as if in their intended sites. Instead of being lined up around the walls of small rooms, each "killing" the effect of its neighbor—or being killed by it—here was ample space. The height of the amphitheater of the Madison Square Garden is sufficient to almost replace the blue vault of heaven, and its size in plan is sufficient to produce the effects of distance and of isolation that were laid out by Architect Ross, in such a masterly way.

As a matter of fact, it was impossible to see at one time, from any position on the floor, more than a dozen or so pieces, but of the 200 odd that were shown, the

lattices and screens and pavilions were so knowingly arranged and planned.

And this did not work to the disadvantage of any but the tiny—almost microscopic, they seemed by comparison—pieces; for the busts and groups and single figures were so grouped within and around the arbors and screens that they had these for foils; the smaller scale matching their own, so taking away the incongruity of comparison with the large space and full details of the building.

The contrast between the rounded yet rigid forms of stone, of bronze, and the masses of blossoms and foliage plants, with their depths of color, swaying stalks and leaning heads, is as suitable as possible.

Indeed, such surroundings and accessories are the fitting and historic ones for sculpture. The images of the gods used to be set in groves and those of nymphs and fauns, of Pans and satyrs, were appropriate in the gardens and about the fountains that decorated them.



VILLARD MEMORIAL. KARL BITTER, SC.

So our own ideas of parks and especially of cemeteries, run to the floral side, softening even the severest memorials with their touch of brightness and color.

In all, sixty-five artists were represented by 186 examples—not all new, for a large proportion of them

have been before seen in exhibition or in full size—like some of the group and single pieces from the Pan-American. Nearly all the noted names in American sculpture, that belong to the present of the art, were represented; and beside, others who for one or another reason have not chosen to identify themselves with the various schools or associations; a gratifying eclecticism for many reasons.

Dominating the display, by virtue of size and position, rose the noble equestrian Washington, of French and Potter, the full-size model of the original in the Tuilleries Garden, Paris. A dozen portrait statues, of life or heroic size, were arranged at intervals—Boyle's "Franklin," Adams' "Channing" and "Richard Smith," Bissell's "Sloane," French's "Com. Perkins," Hartley's "Alfred the Great," Lopez' "Mohamet," Luke-

orial," "Architectural Group" and the bronze fountain figure, "Boy with Goose," made for Biltmore.

It is impossible to convey by word or picture, the soft charm of the delicate marble "boy" and "girl," both exquisitely finished, so far as the artist has gone, for he has chosen to leave bits of each for future perfecting; and the majesty of the nude "Hewer" is most impressive.

The "Thanatos" of Bitter is a most inspiring study of a draped and seated figure, suave in sweep, soothing and comforting in pose and the thought conveyed. His Villard memorial is as notable for the tablet forming the background, which introduces two bay-trees at the corners, recalling the style of some of the modern German designers and decorators. The nude youth resting from his labor at the anvil, hand relaxed around the handle of the heavy hammer, typifies most fittingly the arduous and masterful life of the man it commemorates.

A work in high relief, "In Sorrow," by E. Neandross, was of classic character, like some of the old Greek tomb-reliefs, and worthy of praise for its sincerity and force.

C. W. CANFIELD.



FEMALE FIGURE. GEORGE GREY BARNARD, SC.

man's "Manu," and Bartlett's rugged "Michael Angelo."

Of animal subjects there was a number, by Borglum, Eli Harvey, Roth and Proctor. The latter's "Puma," was noticeable; and Borglum's "One in a Thousand"—a most spirited statuette of a bucking broncho poised for an instant on one fore-foot while rearing wildly in the effort to unseat its rider—was perhaps the most daring.

Without any deprecation of the other work shown, it must be said that the strongest impression of power and vigor of conception, of restrained force and virile imagination, was given by two men of quite different type—Bitter and Barnard, each represented by four examples; Barnard by two pieces of heroic size—the bronze "God Pan" and the marble "Hewer," and two life size marbles, "Boy," and "Female Figure;" Bitter by three plaster models—"Thanatos," "Villard Mem-

Sculpture at the Chicago Art Institute.

The fifteenth annual exhibition of oil paintings and sculpture by contemporary American artists at the Art Institute of Chicago opened October 28, and will continue till December 7. The exhibit includes 533 original works, of which 524 are oil paintings and 9 pieces of sculpture.

The most important work of sculpture is the group shown on the next page, modeled by Charles J. Mulligan, of the Art Institute, and seen for the first time at this exhibition. It is of heroic size in plaster, and is part of a larger group designed for the Louisiana Purchase Exposition at St. Louis in 1904. The figure is entitled "The Miner," and is another of those strong, virile studies of American workingmen, similar in conception and feeling to those shown by Mr. Mulligan at the Pan-American Exposition. The miner is a magnificent specimen of manhood, and in his ordinary working costume needs few of the conventional devices which the sculptor of a portrait statue is obliged to employ to make his production a work of art. He has just returned from his day's labor, and, dropping his dinner pail before him and throwing his coat across one knee, rests on the other while he embraces his little daughter. His finely muscled arms are bare to the shoulder, and the veins outlined on them give evidence of a hard day's toil. It is a suggestive and impressive work; it bespeaks the dignity of labor, and portrays the miner's struggle and sacrifice to maintain his family which is typified in the child. The group is perfectly balanced and finely modeled, and even the



THE MINER. CHARLES J. MULLIGAN, SC.

rugged, powerful lines of the back and shoulders show the growing power of the sculptor.

Of the smaller works, "The Frog-Girl," a diminutive model for a fountain, by Alice Cooper, is a quaint conceit. It is colored in imitation of bronze, and shows a reclining female figure forming part of the enclosure of the basin of the fountain, represented by a shell, on the other end of which is perched a frog.

A statuette, "Sedition," by Max Mauch, is well-conceived. It represents a winged male figure struggling to break the rope with which he is bound. "Eleanor," and the "Portrait of a Child," modeled respectively by Ella C. Belden and Mabel C. Chislett, are interesting, well-modeled studies of children's heads. Three delicately modeled portrait reliefs, by Julia Bracken, Will G. La Favor, and Lou Wall Moore, complete the small studies.

Two well-known bronzes, both of which have been illustrated in the MONUMENTAL NEWS, are also shown. They are a statuette copy of Cyrus E. Dallin's "Medicine Man," and "The Sun Vow," by Hermon A. MacNeil.

Brereton Monument, Paterson, N. J.

There has just been put into its place at Cedar Lawn cemetery, Paterson, N. J., the handsome granite shaft illustrated on this page to mark the spot where lies buried that gallant soldier, Lieutenant Colonel John J. Brereton, who gave up his life for his country.

The memorial is twelve feet in height, ten feet square at bases; the shaft is surmounted by a granite ball, and the ball by an American eagle with outstretched wings and open beak. On the front of the shaft a bronze tablet bears the inscription:

"A knightly soldier, bravely dead, he followed truth and found her, with danger's sweetness 'round her; so loved her that he died for her."

On the base is inscribed:

"Lieutenant-Colonel John J. Brereton. Born January 1st, 1863. Died December 12, 1899."

The monument was designed by Ackerman & Ross, architects, New York, and Philip Martiny modeled the bronze work. These men gave their services gratis.

The material used is pink granite from Redstone, N. H., and was furnished by the Maine & New Hampshire Granite Co. The bronze was cast by the Henry-Bonnard Bronze Co., of New York.

The memorial is well placed on the lawn, and has an effective background of trees.



BRERETON MONUMENT, PATERSON, N. J.

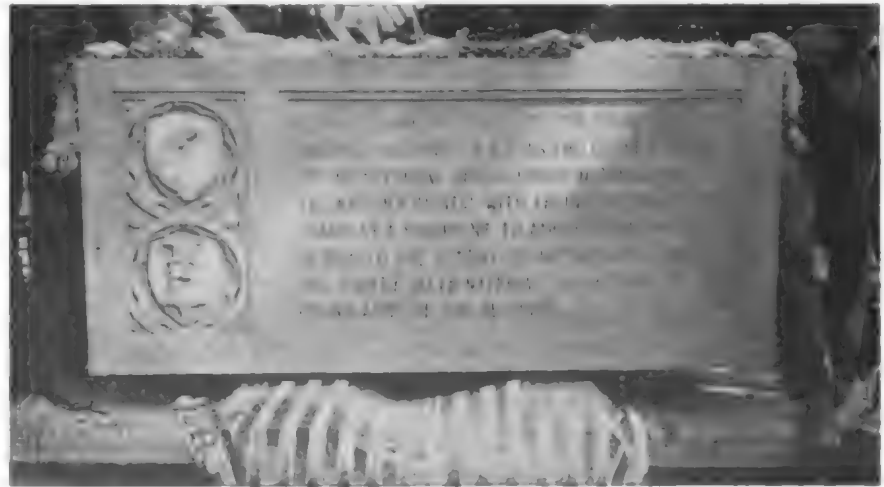
Memorial Bridge Corner Stone, Washington, D. C.

The corner stone of the proposed memorial bridge across the Potomac at Washington, D. C., was formally presented to the Grand Army of the Republic on October 9, during the encampment in that city. The stone is a gift from the Stone Cutters' Union of Washington, and was presented with elaborate exercises, at which Secretary of War Root presided.

Mr. James McHugh, editor of the *Stone Cutters' Journal*, through whose courtesy we get our illustration, delivered the presentation speech on behalf of the union, and the other addresses were as follows: Mr. Henry B. F. Macfarland, of the Board of Commissioners, on behalf of the District of Columbia; Mr. J. E. Ewell, of Buffalo, N. Y., on behalf of the Grand Army, and Representative Warnock, of Ohio, on behalf of Congress. The exercises were held on Camp Roosevelt on the White Lot, where the stone will stand until the bridge is begun.

The stone itself is six feet square in ground dimen-

sions, and two feet ten inches high. It came from the quarry of the Independent Stone Co., North Amherst, Ohio, and was presented to the union by that company.



MEMORIAL BRIDGE CORNER STONE, WASHINGTON, D. C.

James F. Early designed the carving, and David W. Sage cut the designs. Members of the union volunteered their services for the rest of the work on the stone.

The Marbles of Ireland.

A collection of the native minerals of Ireland was recently shown at an exhibition at Cork by the Department of Agriculture and Technical Instruction. After commenting on the wide variety of Irish mineral deposits, which include gold, silver, copper, lead, zinc, iron, coal, marble, granite and various stones for building flagging and setts, *The Quarry*, London, speaks as follows concerning the Irish marbles:

"The ignorance of the exact state of Irish mineral resources is shown by the fact that a mountain of beautiful and valuable white marble has only recently been discovered at Letterfrack, in Galway. In truth Ireland is exceptionally rich in marbles and ornamental stones, but her efforts to turn them to profitable account have been feeble and spasmodic. The impression prevails among English travellers that the marble of Ireland is invariably green, and is generally fashioned into the little ornaments seen in the jewellers' windows. As a matter of fact, Irish marbles and granites have great variety, and are singularly beautiful.

"There is the rich, jet-black marble of Kilkenny, which takes a magnificent polish; the steel grey marble of the same region; the green marble of Connemara; red, maroon, pink and dove-colored marble from county Cork and Galway; and each one is most beau-

tiful and ornamental. The green marble has many shades, and the poetically-named marbles of Cork have exquisite blends and shades of color. Some of the granites are also very fine and more suitable for external work, and the limestone of some of the Cork quarries is also very valuable and extremely durable, and it takes a very high polish, showing the fossil formations. Of this material the Cathedral of St. Finn Barre, in Cork city, is chiefly built, while the pillars in the nave are of the local marbles. A mantelpiece of the green marble of Connemara was presented to George IV., and found its way to the Carlton Club; but though a quantity of Irish marble has been sent to America, too little is really known of its beauty and good quality outside Ireland itself.

"The marble works at Kilkenny were perhaps the first to quarry and polish the stone for the market, the power required for the processes being obtained from the river, and there are other works in different parts of the country which are engaged in hewing and finishing the stone; but if the good qualities and beauty of Irish marble were better known, it is probable that a much more considerable trade would be done; while a more extended market might also be found for the large quantities of granite and limestone of Ireland."

Sculpture Work in Philadelphia.

The culmination of the recent exhibition held by the American Art Society, which is of local origin and fame, has been somewhat disturbed by the action of Sculptor Charles Brinton Cox in his rejection of the silver medal awarded to his equestrian sketch bearing the legend, "On the Trail," representing an Apache Indian mounted on a lean and fiery mustang and bearing in his arms the half-fainting form of a white maiden.

To the layman the award seemed thoroughly commensurate with the value of the work. For in truth



FIGURE FOR HUBBARD MEMORIAL. KARL BITTER, SC.

it was, though clever, merely intended as a preliminary sketch. The honors therefore lay between John Gelert and Brinton Cox, and to the former the society awarded the gold medal. While Mr. Gelert is well known for his "Theseus Asking for the Hand of Ariadne," Mr. Cox's exhibit, "The Bull Fight," on this occasion far outclassed any other sculptural exhibit. In addition, he claims to have in his possession a letter from the secretary of the society promising him the gold medal.

I take this opportunity of presenting the plain un-

varnished facts, for the benefit of the readers of the MONUMENTAL NEWS, as the newspaper accounts have been garbled and full of personal invective.

It is not easy to reconcile one mind to the verdict of a jury sometimes, but one thing surely does remain for the sculptor or artist, and that is his legitimate right to reject a medal, but do so with dignity to himself and with honor to his profession.

The accompanying illustration represents the crowning figure of the "Hubbard Memorial," by Karl Bitter. It is an acceptable piece of modeling, and in the academic draping of the shroud, one feels the delicate taste and handling of the texture that displays the sentiment of the artist. The figure is life size, and was cast by Bureau Bros., of this city. It is entitled "Thanatos," and is further described in our account of the New York sculpture show.

It has already been shipped to Montpelier, Vermont, where it will be set up on a massive Barre granite pedestal by Jones Bros.

At the foundry of Bureau Bros. my attention was drawn to the massive castings made for the Jefferson Davis Memorial to be erected at Austin, Texas, by the Hood Camp, Confederate Veterans.

The memorial will take the form of a column or shaft, surmounted by the figure of Jefferson Davis, having at the base the five figures representing the naval and military forces. These are in all seven foot figures, the work of Sculptor Coppini, of New York, but who is at present doing his work in San Antonio, Texas.

The Art Club will throw open its doors on the 17th instant for the 14th annual exhibition of oil paintings and sculpture. From what I have seen up to the present, I fear the sculptural side has been sadly neglected, not by the committee, but by the sculptors who deny themselves the golden opportunity of displaying both their talents and their themes.

The award for the statue of Mathias W. Baldwin, founder of the Baldwin Locomotive works, of this city, has been made to Herbert Adams, sculptor, of New York.

The other successful competitors were: Cyrus E. Dallin, Boston; H. T. Bissell, New York, and Samuel Murray and A. Sterling Calder, of Philadelphia, each of whom will receive \$500 for their models.

The statue will be known as the Baldwin Memorial and will be located at the Broad street entrance to Fairmount Park, on Spring Garden.

Charles Gaffy, of this city, is at work on a portrait bust of Joseph De Camp, the well-known Boston artist. It will be cast in bronze when completed.

W. P. LOCKINGTON.

Baron von Ketteler Monument at Muenster.

At Muenster, Westphalia, there has just been erected a monument over the grave of a man whose memory is fully as dear to Americans as to Germans. I refer to Baron Clemens von Ketteler, the German Ambassador to the Chinese Empire, who lost his life



BARON VON KETTELER MONUMENT, MUENSTER.

during the Boxer troubles in 1900. His widow is, as is well known, an American, and, if for no other reason, her bereavement evoked general sympathy throughout the United States.

The German Empress' brother, Duke Guenther of Schleswig Holstein, headed the committee which made the erection of the imposing monument over Baron von Ketteler's grave possible.

Hermann Hidding, the sculptor of the Ketteler monument, embodied in his work the very loftiest technical and ideal attainments of as proficient a sculptor as our century knows. Not only is the monumental work his, but he is also the creator of the architectural surroundings of the monument. The architectural style is taken from one of the graves of the old Huns. The German colors and oak leaves surmount an excellent profile portrait of Baron von Ketteler. Underneath the portrait it is intended to place an appropriate inscription. The base of the monument shows the coat of arms of the von Ketteler family.

The whole is surmounted by a statue of the Archangel Michael with the dragon. Obelisk and statue harmonize architecturally and artistically.

On the other side of the Obelisk, Hidding presents a plastic interpretation of the famous painting by Professor Knackfuss, "Peoples of Europe, Preserve Your Holiest Property!" which had its inception from a sketch by the German Emperor. A relief panel to the right shows Germania sending her sons across the sea. This scene is labeled: "Farewell, Germany's Legions, and avenge the nefarious deed!" Hidding hit upon the happy thought to present the departing warriors on Viking ships. This artistic license proved to have been well justified and has an almost overpowering effect.

Hermann Hidding, who was charged with the execution of this memorable monument, was born near Muenster in 1863. From 1877 to 1882 he was active as a monumental sculptor in his native city. In 1888 he matriculated at the Duesseldorf Art Academy. From there he came to Berlin, where he assisted Reinhold Begas, the famous German sculptor, for over a decade. In the competition for the Emperor Frederick Monument, which has since been erected at Woerth, he received first prize.

WILLIAM CRAWFORD HIRSCH.

Competition for Memorial Tablet.

The four designs for a memorial tablet, shown on the opposite page, were submitted in competition for a tablet to be erected in St. Michael's Church, Charleston, S. C. Nos. 1, 2 and 3 are reproduced from the drawings submitted by E. T. Vielt, of the Vielt Marble and Granite Works, Charleston, S. C., and No. 4, which was the successful design, is from the finished work of J. & R. Lamb, of New York City, to whom the contract was awarded. It is made of Italian marble. Although not successful in securing the award, Mr. Vielt's designs are creditable, No. 3 being particularly symbolic of the Palmetto State.



COMPETITIVE DESIGNS FOR A MEMORIAL TABLET, ST. MICHAEL'S CHURCH, CHARLESTON, S. C.
Nos. 1, 2 and 3 by E. T. Vielt, Charleston, S. C. No. 4, the winning design, by J. and R. Lamb, New York. See opposite page.



John J. Boyle will model the memorial to be erected on the grounds of Muhlenberg College, South Bethlehem, Pa. in memory of the famous Lutheran minister after whom the college was named. Watson, Huckel & Co., are the architects.

William Clark Noble modeled the statue of General Josiah Porter, which was unveiled in November in Van Cortlandt Park, New York, by the National Guard. The memorial consists of a statue of the General in the uniform of the National Guard, mounted on a pedestal of granite. The bronze was cast by the Gorham Co.

Ten sculptors have submitted designs for the monument to Kosciusko to be erected in Kosciusko Park, Milwaukee. Five of them are from Milwaukee, two from Chicago, and one each from Louisville, Detroit and St. Louis. The monument will cost \$13,000.

Pompeo Coppini, of San Antonio, Tex., has the commission for modeling a bronze statue of Dr. Rufus C. Burleson, former president of Baylor University, to be erected on the campus of that institution at Waco, Tex.

The Art Students' League of New York, opens its 27th session with the best prospects for a successful year. The League's booklet announces the usual annual exhibition of work next May at which prizes and scholarships will be awarded for work done during the year.

Daniel Chester French and Edward C. Potter have completed their model for the equestrian statue of Gen. Joseph Hooker to be erected by the state of Massachusetts, which was recently inspected and approved by Governor Crane and the Council. Mr. French modeled the figure of the General and Mr. Potter the horse. The dedication ceremonies are set for next summer.

Manley Norton, of Albany, N. Y., has made a life size marble statue of Judge Ambrose Spencer, formerly chief justice of the Supreme Court, which has been placed in the Court of Appeals at Albany. Associates of the late judge declare the statue to be an excellent likeness, and forcible in execution.

Miss Meta Warrick, an American colored girl who is studying sculpture in Paris, is reported by Miss Bullet in the Brooklyn Eagle as showing much talent for vigorous and skillful modeling. One of her late studies was the life-size figure of the thief on the cross. Rodin is reported to have characterized her work as powerful.

The Society of Western Artists will open its annual exhibition of paintings, sculpture and designs in St. Louis, November 20, where it will continue till December 9. At the close of the exhibition there, the collection will go in turn to the following cities: Cincinnati, Chicago, Indianapolis, Toledo, Detroit, and Cleveland.

Dubois' monument to Balzac was recently unveiled in Paris by the Paris Society of Men of Letters. The French transcript says: Never was an attempt to honor the memory of a famous writer attended with more difficulties. Some years ago the commission was given to the sculptor De Vasselot, who, for some inexplicable reason, produced a sphinx, which was promptly rejected. Then Rodin undertook the work, and produced a Balzac which was likened by hostile critics to a porpoise in a bath robe. After the flood of discussion which it aroused had subsided, Rodin sold it to a wealthy Englishman. Next Falguiere took the commission, and died, after which Dubois finished the work.

Hamo Thornycroft, R. A., of London, modeled the statue of the late William E. Gladstone, unveiled in October at Glasgow, Scotland. It represents the distinguished statesman in his robes as lord rector of the university. There are two panels—that on the south side representing Mr. Gladstone addressing the House of Commons, while the panel on the north side gives a view of Hawarden grange, with Mr. Gladstone engaged in his favorite recreation of tree-felling. The statesman, with sleeves rolled up, leans on his axe, while seated on a log beside him are his wife, his daughter, Mrs. Drew, and his favorite grandchild, Dorothy Drew. The base which supports the die is in three portions, and on the front of the upper portion, worked in bronze, is the Gladstone coat of arms. The address of dedication was delivered by Lord Roseberry.

Miss Anna Vaughn Hyatt, of Cambridge, Mass., showed at the exhibition of the Boston Art Club in November a collection of animal studies in bronze, plaster and clay, that have attracted favorable notice for their skillful portrayal of many different animals, both wild and domestic. The sculptor spent the greater part of last winter making life studies of the animals, and has been remarkably successful, in portraying characteristic and life-like attitudes. The collection includes eight bronzes, nine plaster casts and eight pieces made of a composition of clay. Miss Hyatt is the daughter of the late Prof. Alpheus Hyatt, of Harvard, and a pupil of Henry H. Kitson.

The second annual exhibition of the Copley Society opened November 19, to run four weeks. The jury of awards for sculpture is composed of Cyrus E. Dallin, Henry H. Kitson and Bela L. Pratt.

Augustus St. Gaudens has just finished his statue of Gen. W. T. Sherman, which has been shipped to New York for erection in Central Park. Mr. St. Gaudens has also completed his model for the monument to Parnell to be erected in Dublin, and describes it as follows in a letter to the committee: "After a great deal of time and study devoted to which form the monument should take, I have concluded that it should be a pyramid of 40 or 50 feet in height, composed of green Connemara marble, with a colossal statue of Parnell at the base in front, in the act of speaking by a table, over which is thrown a large Irish flag. The pyramid is to represent Ireland. The four sides will contain the symbols cut into the marble in gold, expressive of the four provinces of Ireland. Around the base of the pyramid the names of the 52 counties will be inserted. My idea in designing this monument has been that it should be simple, impressive and austere, in keeping with the character of the Irish cause, as well as of Parnell." The monument will cost \$50,000 and is to be completed in three years.

A Sculptor's Portrait of a Sculptor.

The accompanying illustration shows a bust of the well-known sculptor, J. Q. A. Ward, modeled by Charles H. Niehaus, and is interesting both as a striking piece of portrait modeling, and as the tribute of one sculptor to another.

The bust was shown at the Pan-American Exposition, and represents Mr. Ward in his working costume, with chisel and scalpel in hand.

Mr. Ward is president of the National Sculpture Society, and is generally regarded as the Dean of American sculptors. He is over 80 years of age, and is still actively pursuing his art. Among his present work is the modeling of equestrian statues of General Winfield Scott Hancock and Phil Sheridan, and he has well-known works in different cities of the country. Probably his best known public statue is that of Washington in front of the Sub-Treasury in New York City, which was recently selected by a jury of well-known sculptors as one of the six finest pieces of statuary in that city.

In a recent article contributed to the *Los Angeles Times* on "Art in America," Mr. Ward emphasizes the material importance of art and its influence on the history of nations, but closes with this salutary warning to young artists: "Unless, with true artistic humility, they are willing, after proper training, to take positions in the industries where art may be applied, the great majority will not be alone doomed to disappointment themselves, but they will in nowise benefit the community."



J. Q. A. WARD. CHAS. H. NIEHAUS, SC.

Sculpture Plan and Official Emblem, St. Louis Exposition.

Augustus St. Gaudens, Daniel Chester French and J. Q. A. Ward have been summoned to St. Louis to assist F. W. Ruckstuhl, chief of sculpture, to develop the plans for the adornment of the grounds of the Louisiana Purchase Exposition.

The following account of the general plan of the sculpture is given by the *Boston Transcript*:

"There will be two thousand sculptural embellishments, consisting of groups, single figures, bas-reliefs and ornamental spandrels. An attempt will be made to symbolize the history of the Louisiana purchase in the statuary. Statues of Keokuk and Black Hawk will be placed at the foot of the cascades; and wild animals, such as bear, buffalo, elk, moose, etc., of colossal size, will be placed in the various avenues. A later stage in the history of the region will be typified by the hunters and trappers who won the land from the aborigines. Statues of Lewis and Clark, with groups showing De Soto discovering the Mississippi and of Marquette and Joliet exploring the great stream, will surround the main lagoon. Statues of

Napoleon and Jefferson will recall the signing of the treaty of purchase, and companion groups will symbolize the fraternity existing between France and the United States. The figure of 'America, the Universal Peacemaker,' will be thirty feet high. Each of the fourteen States included in the purchase will be typified by a statue, to be the gift of the State. American artists only will be chosen for the work; and all the sculptures will be made of staff."

Charles Holloway, of Clinton, Ia., designer and mural decorator, has been awarded the prize of \$2,000 for an official emblem for the Exposition. The successful design contains five figures. In the center stands a woman, personifying the Territory of Louisiana, with Columbia placing the American flag about her. The garments of France have fallen from her and lie at her feet. In the background is a boat containing two figures—Progress and Rectitude. In front of Columbia and beside Louisiana sits a female figure representing France, holding in her lap the treaty of the Louisiana territory.

Striking Similarity in Statues.

The two statues illustrated here are offered for comparison, as a striking evidence, either, of an almost identical conception for a statue by two sculptors who have never seen each other's works, or of the influence of the work of one artist on another.

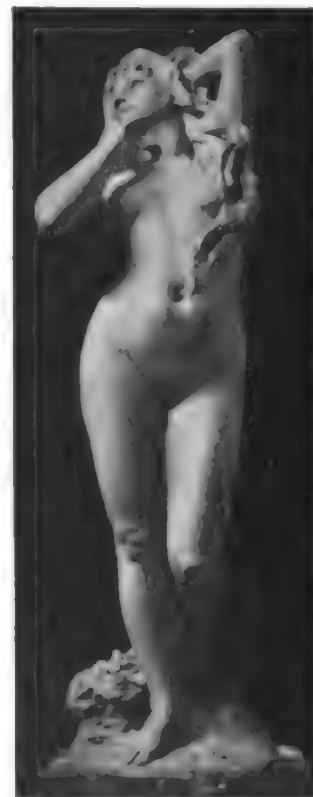
The one on the left, Mme. Judith Gautier's statue of "Dawn," was illustrated in our June issue, with another work of this well-known French sculptor and author. The figure on the right is a work of Mr. William P. MacIntosh, of Sidney, N. S. W., Australia, concerning which we have just received the following letter, which explains itself:

Editor MONUMENTAL NEWS:—"The statue 'Dawn,' by Judith Gautier, illustrated in the MONUMENTAL NEWS for June of the current year, and the enclosed photo of my statue 'Dreams,' suggest a striking case of coincidence of thought in two minds which, so far as I know, have never come in contact with each other. Mme. Gautier's statue is, I presume, a recent production. At any rate I had never seen it or any statue like it until I saw your illustration of the above date. My statue was modeled in the winter 1898 in the British Academy of Arts, Rome, Italy, and was publicly exhibited there at that time."

As will be seen by comparison, the pose of the two figures is identical, the only difference in the two works being in the drapery and the subsidiary figure of the child in Mme. Gautier's group.

There are two possible explanations of the coincidence in addition to the one suggested by Mr. MacIntosh. Since his work was exhibited in Rome in 1898, it is possible that Mme. Gautier may have seen

it there, or both artists may have been unconsciously influenced by some previous work which had left its impression on their minds. Perhaps some of our



DAWN. JUDITH GAUTIER, SC. DREAMS. W. P. MCINTOSH, SC.

readers can throw some light on the history of Mme. Gautier's statue.

Duty on Imported Bas-Reliefs.

Four so-called bas-reliefs in marble imported from Italy by G. W. Sheldon & Co., were classified by the Collector of Customs at New York as manufactures of marble and assessed at 50 per cent ad valorem under paragraph 115 of the existing tariff act. The importers protested, claiming the articles to be dutiable as "statuary" at 15 per cent ad valorem under the reciprocal commercial agreement with Italy. Paragraph 454 of said act provides that:

The term "statuary" as used in this act shall be understood to include only such statuary as is cut, carved, or otherwise wrought by hand from a solid mass of marble, stone, or alabaster, or from metal.

The question presented for decision was whether bas-reliefs are statuary within the meaning of the provisions of law referred to. No part of the articles in question were in full relief. In its widest sense the word statuary seems comprehensive enough to include such articles as bas-reliefs; but in its more

specific meaning it appears to be limited to figures "in the round" or in full relief. Its most general usage is, within common knowledge, undoubtedly in the latter sense. An adoption of the broader interpretation of the term "statuary" would admit as such marble slabs for monuments, wainscoting, and frieze work, upon which figures are done in relief, and it would be difficult, in the opinion of the Board of General Appraisers, to draw the line against vases, pedestals, complete monuments, altars and other similar articles, upon which sculptured relief work might be the most prominent and valuable feature.

The Board therefore held that the term "statuary" as used in section 3 paragraph 454 of the present tariff act embraces only figures in the round—that is, in full relief, or substantially so, and bas-reliefs in marble, executed by a professional sculptor, are not entitled to classification thereunder, but are dutiable as manufactures of marble under paragraph 115 of that act.



THE GARDEN OF GETHSEMANE—WALLS OF JERUSALEM IN THE BACKGROUND.

The Garden of Gethsemane.

This is the scene of so many events forever memorable in the history of our race, the battle ground and point of attack alike of the Assyrians, Romans, Saracens, Crusaders and Turks. The walls of Jerusalem with the dome of the Mosque of Omar upon what is believed to have been the site of the Temple form a pleasing background to the picture, while under the walls is the Mohammedan burying ground, whose turban surmounted tombstones mark the last resting place of the male of this turbulent race, while that of the poor female is simply capped with an insignificant ornament, the whole place bearing a look of neglect and totally devoid of trees.

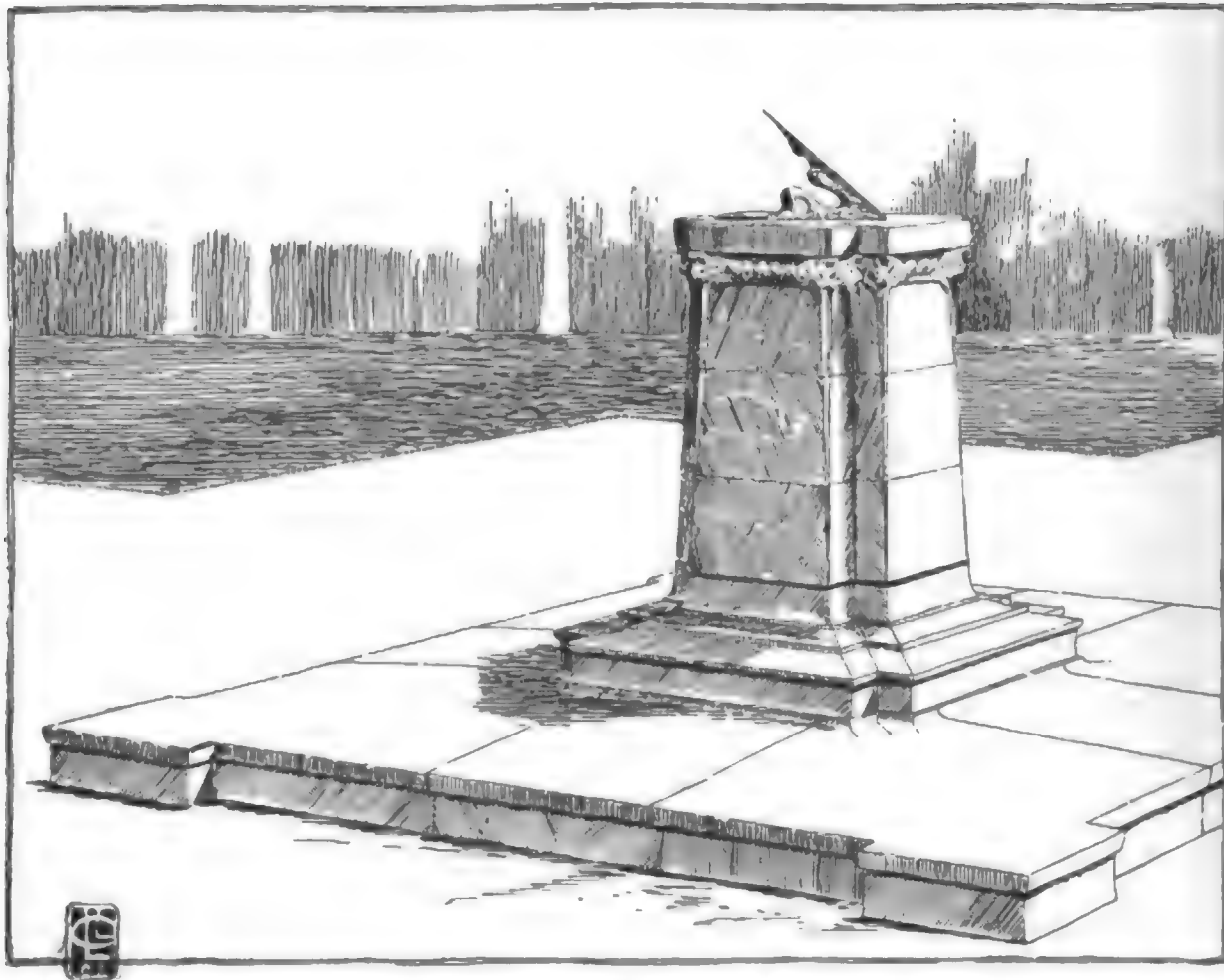
The time of day usually selected to visit this spot is toward evening, when the red light of the setting sun glances over the city, touching its domes and minarets with a last dying gleam and the dreary hills are broken into grand masses of purple and vermillion, while in the glen below the Valley of Jehosaphat, is the dry bed of the brook Kidron; here sleep millions of the sons of Israel almost side by side with their enemies, the Moslems, for both believe that the

last judgment is to take place here, and in places it is fairly paved with the sepulchers of the Moslem or the simpler slab of the Jewish tombs. And the place of the sad groves which shrouded the agony of Christ are sinking into the shades of night. If we climb to the top of the hill and look eastward we see over the far horizon the mountains of Moab and the valley of the Jordan with the Dead Sea and the desert glowing in the sun's last rays.

The garden is surrounded by a high stone wall, a broad path leading around its entire area, while the portion containing the trees and flowers is protected by an iron railing with sharp pickets.

The olive is still scattered about the Mount of Olives and a few half-cultivated figs and pomegranates assist in recalling the past. It is through the branches of these trees that the more picturesque views are seen, and we think of the time when these terraced hillsides were once clothed with verdure, but now denuded even of their soil; thus has the oppression of the unspeakable Turk peeled the land that once "flowed with milk and honey."

JOSEPH B. DAVIS.



DESIGN FOR A SUN DIAL BY CHAS. L. LAWHON, KNOXVILLE, TENN.

Design for a Sun Dial.

The design for a sun dial, shown on this page, is the work of Mr. Charles L. Lawhon, of Knoxville, Tenn., and received honorable mention in a competition recently conducted by the Bates & Guild Co., of Boston, for the Brochures Series, published by them. The design is a simple and dignified conception, and is a good example of Mr. Lawhon's pen and ink work.

The monumental character of the sun dial and its growing popularity make the subject of timely interest.

Marble Production of Greece.

A recent United States consular report quotes as follows from the *Nachrichten fuer Handel und Industrie*, Berlin, concerning the marble production of Greece:

"The marble quarries of Greece are apparently inexhaustible. All kinds, qualities, and colors of marble are found there, and it is pre-eminently adapted for architectural purposes, as well as for the plastic art. The most beautiful and most highly valued for sculpture is the white marble of Paros. The Pentilican

marble, the white and gray-blue, are also especially renowned; the white variety resembles the Parian closely, except that it is denser and finer grained. In the old marble quarries near Larissa, monoliths are still found, which are shipped to England. The islands of Naxos and Tinos furnish a white and gray marble; Skyros, a mottled black and blue, like that of Carrara, besides a yellow variety; Dimaristika, on the Peloponnesus, a black or green veined, and a white and red; and Trikeri, in Thessaly, a clear gray. In regard to quantity, the two cities of Athens and Piræus place upon the market annually from 88,292 to 105,950 cubic feet of marble, and the demand is increasing. Exact statistics regarding the output of private quarries are not available. Only two companies—an English and a Greek—are engaged in the marble business. The white marble is valued at \$27 to \$31 per cubic meter (35.3 cubic feet); the gray-blue marble, at \$23 to \$27 per cubic meter. The total value of the marble quarried from the Pentilican veins is estimated at about \$77,200 annually. The share of the English company in the year 1900 amounted to 52,975 cubic feet.



OFFICE BUILDING, GREENLAWN CEMETERY, PORTSMOUTH, OHIO.

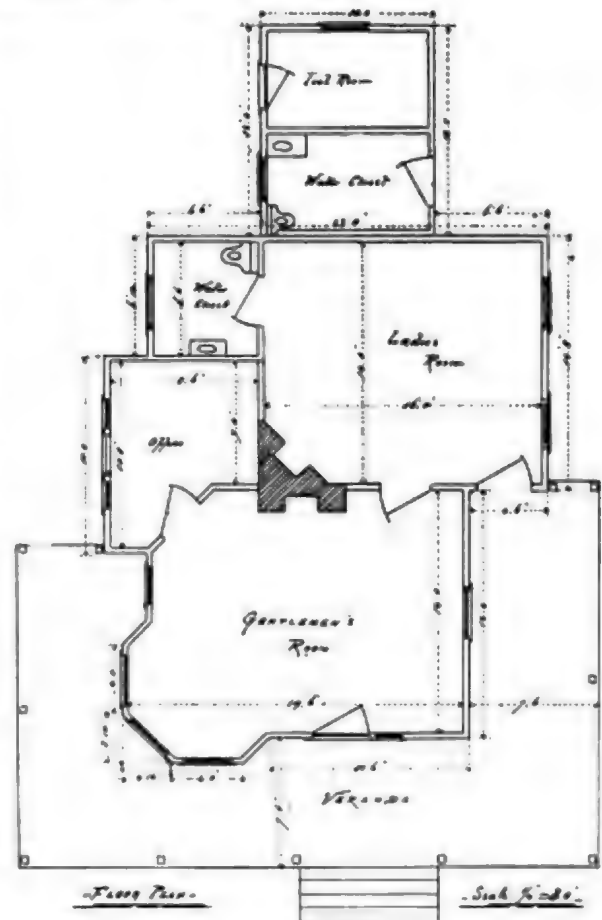
Greenlawn Cemetery Lodge, Portsmouth, Ohio.

The illustrations on this page show exterior view and ground plan of the new lodge at Greenlawn Cemetery, Portsmouth, Ohio. It is situated near the main entrance on Offnere street, and was finished in the summer of 1900 at a cost of about \$2,400, including the furniture. The front room is used for the superintendent's office and reception room for men. The center room is for ladies, and opens into the toilet. At the rear is the lavatory for men, coal cellar, tool room, etc. The interior is finished in natural wood, with handsome furnishings including modern fireplaces, and wooden mantels, with large mirrors.

The reception room, on which opens the business office, is 20 by 14 feet, and directly over the corner is a cupola. A veranda, seven and a half feet wide, extends around almost the entire building, and two small ornamental fountains are placed on the front lawn.

The structure is a good example of a neat, unassuming and inexpensive office building.

The cemetery now has two large fountains on the grounds ready for erection. One of them embodies the figure of a soldier seven feet high, standing on a base about 14 feet above the water line. It is to stand in Soldiers' Circle, at the head of the main entrance roadway, and will cost \$1,200. The other one will cost about \$700.



MONUMENTAL NOTES

The trustees of the McKinley National Memorial at a recent meeting in Canton, Ohio, selected a site in Westlawn Cemetery for the monument to the late President. It is in a spot of great natural beauty, and commands a wide view of Canton and the surrounding country, including the McKinley home. Reports submitted to the trustees show that about \$100,000 is lacking of the \$650,000 necessary to carry out the plans. Earnest and prompt efforts will be made to raise \$150,000, of which \$50,000 will be used to endow the association.

Leading archaeologists of France are reported to have recently met to devise some effective method of preserving the Egyptian Sphinx, and have advised the erection of a huge canopy or cover for it. The violent sandstorms of the past quarter of a century are said to have worn away portions of the stone which supports the sculptured figure.

Repairs are now being made on the Saratoga battle monument at Schuylerville, N. Y. The monument is 150 feet high, and the cap has been removed for repairs. The iron stairs inside are to be painted, and the exterior pointed and cemented. The cornerstone of the monument was laid in 1877, the centennial of the battle of Saratoga.

Cyrus M. Buck, of Norway, Me., middle-aged, and in good health, has had his own monument erected in Greenwood Cemetery in that city by the local undertaker, and has had it inscribed as follows: "Cyrus M. Buck, born Jan. 24, 1825, died—God is nature, Bible is a humbug, written by wicked, vulgar priests. Death is a debt I owe. I have paid that debt, so must you. To do good is my religion."

A Chinese temple and an elaborate vestibuled entrance are to be built on a tract of land 48 acres in extent which has been purchased near Croyden, Bucks County, Pa., to be used as a Chinese cemetery. It will be laid out in every particular to conform to native Chinese cemeteries. The principal pagoda or temple will be nine stories high; from the balconies of the different stories projectiles will extend containing bells or gongs that are rung at stated intervals of the day and night, certain ones to keep evil spirits away and others to guide the good spirits. The cemetery will be the only one of its kind in America, though a plot of ground embracing 2,500 square feet has been purchased in Homewood Cemetery, Pittsburg, to be used exclusively for Chinese burials.

The soldiers' monument recently unveiled at Warner, N. H., consists of a pedestal of Concord granite, surmounted by a heroic-size bronze statue of General Walter Harriman. The statue was modeled and cast by M. H. Mosman, of Chicopee, Mass., and represents the General attired in overcoat and full uniform, his hands resting easily on his sword, which he holds in front of him. It is a gift of the members of the Harriman family who consider it a work of art and an excellent representation of the deceased soldier and statesman. The rest of the monument was erected by popular contributions and an appropriation from the town, the total cost being

about \$5,500. The pedestal is the work of Thos. Fox, of Concord, N. H. It is nine feet square at the base, and is ornamented with carved designs representing eagles with outstretched wings, knapsacks, belts, cartridge boxes, crossed rifles and swords.

A monument to Abraham Lincoln, presented to the town of Clermont, Ia., by Ex-Governor Larrabee, of that state, was recently erected by Searles & Baxter, of Cedar Rapids, Ia. The monument consists of a bronze statue of Lincoln surmounting a pedestal bearing four bronze tablets depicting scenes connected with the life of the great President. The tablets were modeled by George E. Bissell. One of them shows the surrender of Lee at Appomattox, another, "Leaving for the War," another a scene in the battle of Pittsburg Landing, and the fourth a naval scene, showing Admiral Farragut lashed to the rigging, while in the foreground is the then Lieutenant Dewey. The memorial cost about \$5,000.

Memorial tablets have recently been unveiled as follows: In the German Theological Seminary at Bloomfield, N. J., in memory of Rev. Dr. Chas. E. Knox. * * The Tioga Chapter, D. A. R., unveiled bronze tablet on a boulder monument to mark the site of old Fort Sullivan, near Sayre, Pa. * * The Peabody Historical Society, Peabody, Mass., a bronze tablet in memory of John Proctor, who was hanged for witchcraft in 1692. * * The Niagara Frontier Landmarks Association, a tablet, a gift from the Niagara Gorge Railroad Company, to mark the site of the Devil's Hole Indian massacre in 1763. * * Matthew Thornton Chapter, D. A. R., of Nashua, N. H., erected a tablet near there in memory of Hannah Dustin, one of the heroines of the early Indian wars. * * The Ashuelot Chapter, D. A. R., Keene, N. H., presented to the public library a bronze tablet in memory of Revolutionary soldiers from that city.

Miscellaneous.

The fund for the monument to J. Sterling Morton, to be erected at Nebraska City, Neb., now amounts to \$10,028.55. * * * The soldiers and sailors monument at Wallingford, Conn., was unveiled in October. * * * An anonymous donor has presented Miss Anne Whitney's statue of Charles Sumner to the city of Cambridge, Mass., on condition that it be erected in the square at Kirkland and Cambridge streets. * * The McKinley Memorial Fund for the monument to the late President at Columbus, O., now amounts to \$17,000. * * * The Cleveland City Council wants to move the monument to Oliver Hazard Perry from Wade Park to Lake View Park, overlooking Lake Erie, the scene of the Commodore's great victory. * * * The Presque Isle Chapter, D. A. R., of Erie, Pa., recently presented that city with a monument to Gen. Anthony Wayne. * * * F. A. Newell, of Franklin, Mass., has offered to present that city with a soldiers' monument, to be erected before next Memorial Day. * * * The corner-stone of the soldiers', sailors' and pioneers' memorial at Hamilton, O., was laid on Thanksgiving Day. * * * A tablet was recently unveiled in memory of the late Rev. P. V. Finch in St. James' Church, Greenfield, Mass. * * * Irish Nationalists of St. Louis unveiled a Celtic Cross in Calvary Cemetery in that city in memory of the dead of that order. * * * The Knights Templar of Washington, D. C., recently unveiled two monuments in Arlington Cemetery in that city. * * * A memorial window was recently unveiled by Ambassador Choate in London in Wesley's Chapel in memory of Bishop Matthew Simpson. It was a gift of American Methodists to the mother chapel.

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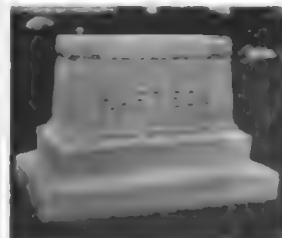
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MAUSOLEUMS
and HEADSTONES.**



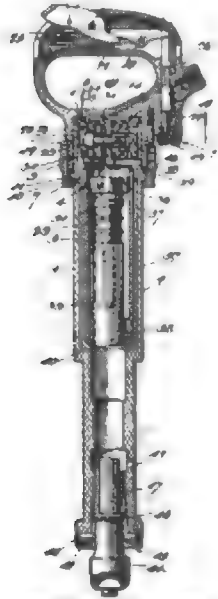
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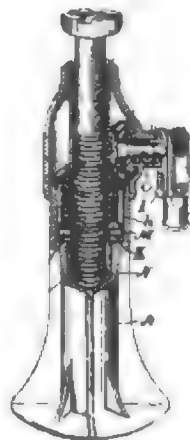
RECENT INVENTIONS

Pneumatic Hammer.

The pneumatic hammer shown in the illustration was patented by Charles H. Shaw, of Denver, Col. It consists of the combination of a casing provided with the longitudinal passages 37 and 39 and provided with an exhaust-port 42 arranged at the lower portion of the casing and adapted to communicate with the passage 39. The casing is also provided with longitudinal passages 42 communicating at their



PNEUMATIC HAMMER



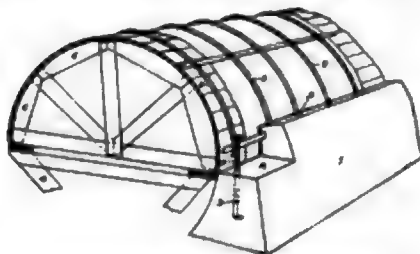
LIFTING JACK.

inner ends with the upper portion of the casing, a plunger provided with a shoulder and having an annular groove or recess and a hollow reciprocating valve having one of its ends closed and arranged at the upper or outer end of the passage 39. A plug closes the other end of the automatic valve and reduces the interior area of it. Means is provided for controlling the passage of air to the casing.

(Patent No. 712,438.)

Building Concrete and Masonry Structures.

The process for building arched structures of concrete or masonry, illustrated, consists in constructing the abutments or foundation with metallic bars embedded therein and pro-



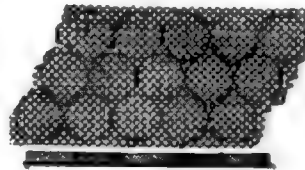
CONCRETE ARCH CONSTRUCTION

jecting above the springing line, providing suitable centering for the upper part of the arch, and covering the centering with a layer of paper, coating the paper with paraffin. Transverse

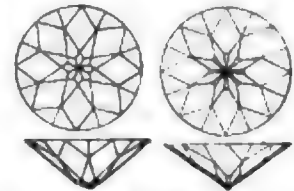
bars are attached to the projecting ends of the aforesaid bars, forming the upper part of the arch about the centering and are embedded with a layer of mortar next the paper, permitting the mortar to harden, removing the centering, and then stripping off the paper. Patented by W. C. Farmley, Cleveland, O. (Patent No. 712,841.)

Patented Tiling.

A form of assembled tiling invented by Charles Worth, Newark, N. J., is illustrated here. A flexible backing of fibrous fabric is combined with a number of tiles arranged with the rear faces secured to the backing, so as to expose



TILE CONSTRUCTION.



DESIGNS FOR CUT STONE.

the ornamental front faces, the backing being provided with perforations for admission of the cement to fill the joints between the tiles and against the backs of the tiles when forced into the cement foundation. (Patent No. 712,168.)

Designs for Cut Stone.

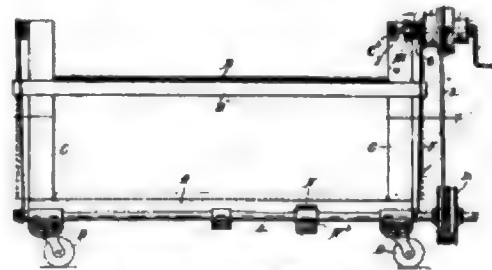
The two ornamental designs for cut stone shown in the drawing were patented by St. John Wood, of New York City. (Patents No. 36,131 and No. 36,142.)

Lifting Jack.

This lifting jack has for its essential parts, a hollow standard with a cap secured to the top of it, and a nut located within the standard through which the screw extends. A bevel gear-ring is attached, and a sleeve encircles the screw and is designed to receive at the lower end the upper end of the screw, the sleeve being provided with an outwardly extending flange at the bottom, and an inwardly extending flange at the top and means for rotating the nut. This invention was patented by Richard O. Hopkinson, Waterville, Canada. (Patent No. 713,642.)

An Elevating Truck.

The truck described here was invented by E. L. and W. H. Cadwell, Wayne, Mich. It embodies a frame, a vertically mov-



ELEVATING TRUCK.

ing platform guided by it, and a shaft extending longitudinally of the frame. Pulleys are mounted on the frame, and cables passing over the pulleys are secured at one end to the shaft and at the opposite ends to the platform. On the shaft are two drums one having faces of different diameters and a cable is secured at its ends to the drums and adapted to transmit motion from one to the other.

(Patent No. 713,746.)



THE WINSLOW BROS. CO.
CHICAGO.

Ornamental Iron and Bronze

BRONZE STATUARY DEPARTMENT

UNDER SUPERVISION OF
MR. JULIUS BERCHEM.....

Monumental Bronze Statuary

BUSTS, STATUETTES.

ESTIMATES ON APPLICATION.



MAUSOLEUMS, STATUARY, MONUMENTS.

In Blue, Pink and Red Westerly Granite.

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JOSEPH NEWALL & CO,

Correspondence solicited from Dealers desiring first-class work.

Dalbeattie Granite Works, Westerly, R. I.

Notes of Retail Dealers.

Canada.

Sleeth & Quinlan, of Carleton, N. B., have the contract for the erection of the soldiers' monument at St. Johns. It will consist of a pedestal of gray granite surmounted by the figure of a soldier in khaki.

The McIntosh Granite & Marble Co., of Toronto, Ont., have the contract for the monument to be erected in memory of Nicholas Flood Davin in Ottawa. The memorial will be of Canadian gray granite, 15 feet high, and will include a bronze bust of the deceased. It was designed by W. S. Allward, and will cost \$3,200.

Connecticut.

The Fox-Becker Granite Co., of Middletown, recently erected in Pine Grove Cemetery, at Ansonia, what is said to be the largest monument in the county. It is a Barre granite sarcophagus, weighing 33 tons, and stands on the Pine-Wooster family lot. The sizes are as follows: B. Base, 11-4 x 6-11 x 1-8; second base, 9-2 x 4-9 x 1-11; die, 7-7 x 3-2 x 2-9; frieze, 7-9 x 3-4 x 0-9 $\frac{3}{4}$; cap, 9-2 x 4-9 x 2-10; height, 10-0.

Illinois.

The Zeran Marble & Granite Works, of Cairo, have added a new polishing mill to their plant, and fitted it out with the best modern machinery. Their business continues to increase.

W. H. Bates and Martin Peterson have formed a co-partnership and will start in business at Cambridge. Mr. Bates was formerly at Galva.

Jos. V. De Less, of Clayton, has decided to open a branch at Perry, to be in charge of Jos. Grimes.

Indiana.

Henderson & Bell, of Lafayette, have the contract for the erection of a monument to John Coapstick, which is to consist of a "nigger-head" boulder suitably inscribed and mounted on a base of Bedford stone. The boulder was found on the Coapstick farm 40 years ago and is said to be the largest one in that part of the country.

J. H. Hughes has moved from Decatur to Bluffton, where he will open a shop for monumental work.

Meltzer & McIntosh, of Greencastle, suffered some damage from a fire which broke out in the block where they are located. The roof of their shop was burned off and some damage done their stock by smoke and water. The loss is covered by insurance.

Haag & Bates recently started in business at Ft. Wayne. Mr. Haag was formerly in the firm of Haag & Roth, and Mr. Bates was with the firm of H. F. Bullerman & Co., which was recently dissolved.

Iowa.

F. E. James, of Osage, has sold his business to E. J. Hovelson.

Dean & Welch, of Audubon, have moved into a new building. They are doing an increasing business, this year's trade being double that of last year.

Doran & O'Connor will open a general monumental and stone business in Dubuque on January 1st. Mr. Doran was formerly in business at Elizabeth, Ill.

William L. Berringer & Co., of Hampton, recently presented

the Danish Lutheran Church of Coulter with a cornerstone for their new church.

Wm. Christie, Jr., of Villisca, has sold a half interest in his marble and granite business to J. O. Worth of same place. The new firm will be Christie, Worth & Co.

The firm of Hadley & Herndon, of Mt. Ayr, has been dissolved. Mr. Hadley will continue the business. The business was established by R. H. Stone, now of Shannon City.

J. A. Briar, of Monona, is conducting a "clearance sale," and is using considerable space in the daily press to advertise it. It is a genuine "mark down sale" such as one reads in the advertisements of department stores and it would be interesting to know whether such methods pay.

Kentucky.

The monument illustrated on this page was erected by the Muldoon Monument Co., of Louisville, Ky., in Cave Hill Cemetery in that city in memory of Dr. John A. Broadus, for-



BROADUS MONUMENT, LOUISVILLE, KY.

merly head of the Baptist Theological Seminary. It was a gift of Capt. W. F. Norton, a non-churchman, whose admiration for the late divine had led him to erect the monument after the grave had remained unmarked for seven

(Continued on page 710.)



THE GENUINE Pink Westerly Granite

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our quarries in the rough or finished
state at the lowest possible rates.

Monuments, Vaults, Statuary

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are unexcelled anywhere.

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WESTERLY, RHODE ISLAND.

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QUINCY, MASS.

Largest Producers

OF MONUMENT GRANITE

IN THE WORLD

We produce more high grade stock than all
other quarries in Quincy combined.

ESTIMATES CHEERFULLY FURNISHED.

years. Captain Norton sent out a number of invitations to the unveiling exercises, which read as follows:

"To mark a friend's remains
These stones arise."—Byron.
Mr. W. F. Norton, Jr.,
requests the honor of
your presence at the
unveiling of a monument
erected by him (a non-churchman)
to mark the grave which
has been suffered to
remain unmarked for
more than seven years of
John A. Broadus, D. D., LL. D.,
the greatest teacher and
divine of the Baptists.
5 o'clock Wednesday afternoon,
October 8, 1902.
Cave Hill Cemetery.

The memorial consists of a massive die and base of Milford (N. H.) granite, 11 feet high, furnished by the Milford Granite Co. On one corner of the rock-faced die a column entwined with ivy is carved in high relief. On the front of the die is a medallion portrait of Dr. Broadus, below which is the following inscription:

"On earth there is nothing great but man,
In man there is nothing great but mind."

The Peter & Burghard Stone Co., of Louisville, have the contract for the Confederate monument to be erected in Gallatin, Tenn., by Clark Chapter, Daughters of the Confederacy. The monument will be 20 feet high and will consist of a bronze statue surmounting a shaft of Vermont granite. It will cost about \$2,000, and is to be dedicated in May, 1903.

Massachusetts.

The Van Amringe Granite Company, of Boston, has the contract for a soldiers' monument to be erected for the state of Maryland on the battlefield of Chickamauga. It will be a shaft of Westerly granite, 44 feet high, surmounted by the figure of a color bearer. The base will be 11 by 14 feet and will have two figures representing, respectively, the artillery and infantry. Bronze tablets, a wreath of laurel around the shaft and a Corinthian cap will be the other decorative features. The monument will cost \$7,000. This firm also has the contract for the monument to be erected by the state of Ohio on the battlefield of Missionary Ridge for which the Legislature appropriated \$20,000 for this monument and \$7,000 for bronze tablets to bear the data of the engagement. The design selected is a shaft of gray granite 80 feet high, rising from a base 25 feet square. On one side of the shaft will be the seal of the state while on each of the four sides of the base will appear the word "Ohio." Projecting from the base are four pedestals which will bear figures representing the cavalry, infantry, artillery, and a drummer boy. These figures are to be modeled by Edward Pausch. The total weight of the monument will be 325 tons.

Polishers and rubbers to the number of 125 in the employ of Bowker, Torrey & Co., of Boston, are reported to have gone on a strike November 5 for an increase in pay for overtime work.

William Noonan, formerly foreman at the Lee Marble Co's. quarries, will open a monumental business in Lee.

Michigan.

Clark & Weeks succeed the Clark Marble Works at Ionia. Zachman & Arnet have purchased the interest of Charles Dwyer in the Ann Arbor Granite Co., at Ann Arbor.

New Hampshire.

Thomas Lester, of Portsmouth, has been awarded the contract for the pedestal of the Fitz John Porter statue, at a bid of \$7,000. It will be of Quincy granite and will weigh about 100 tons. The statue is to be modeled by John E. Kelley, and will cost \$23,000, making the total cost of the monument \$30,000. The unveiling is set for July 4, 1903.

New York.

J. E. & R. E. Dean, of Fishkill, erected a boulder monument bearing a bronze tablet at Fort Hill for the Melzingah Chapter, D. A. R., to mark the site of one of the Revolutionary forts.

The Harrison Granite Co., of New York City, were the contractors for the monument recently erected by the Dabney H. Maury Chapter, Daughters of the Confederacy, in Richmond, Va., in memory of the Confederate soldiers buried in the cemeteries of that city. It is a rock-faced boulder design of Barre granite, bearing bronze tablets and a bronzed relief of crossed flags. It was recently unveiled in Hollywood Cemetery.

North Carolina.

Cooper Bros., of the Raleigh Marble Works at Raleigh, recently celebrated their eighth anniversary of the present firm's business in that city. The local papers gave extensive space to an account of their business, and the firm had an advertisement occupying two-thirds of a page in one of them, illustrating a number of their recent works, and giving a fac-simile of a letter of commendation from the committee in charge of the erection of the Vance monument which was erected by them and recently illustrated in the MONUMENTAL NEWS. The firm has built up a large and successful business in the South and have been employing from 60 to 100 hands for the last three years. They have issued some attractive advertising booklets and a catalogue containing illustrations of their best work and testimonials from customers.

Ohio.

The Ohio Vicksburg Battlefield Commission has made a report to Governor Nash awarding the contracts for state monuments at Vicksburg to the Hughes Granite and Marble Co., of Clyde. There are to be 38 monuments to cost \$49,000, divided as follows: Monuments for 26 regiments of infantry at \$1,460 each, \$37,960; for 11 batteries of artillery at \$900 each, \$10,560; for one battalion of cavalry \$480. The contract calls for the completion of the monuments by May 1, 1904. There were 96 designs submitted in the competition.

Oklahoma.

Samuel Miller, of Oklahoma City, erected the monument to Roy V. Cashion, recently unveiled in the South Park at Hennessey. The memorial is 28 feet high, and consists of a shaft of Bedford stone surmounted by a statue. The inscriptions give a history of his birth, enlistment and death in the Spanish war.

Oregon.

D. D. Neer, of Portland, has secured the contract for the pedestal of the monument to be erected in that city by the Lone Fir Monument Association. The pedestal will cost \$1,400, and the contract for the rest of the monument has not been let.

Pennsylvania.

Joseph B. Reinhalter & Co., of Philadelphia, have incorporated with a capital of \$100,000. The officers are: President, Joseph B. Reinhalter; treasurer, Howard L. Keyser; secre-

(Continued on page 712.)

Blue-White Westerly Granite.

GOURLAY GRANITE WORKS.

=====WILL FURNISH=====

Rough stock for Monuments, Mausoleums, Vaults, Headstones, Markers, Posts, and Coping from the famous "Klondike" Quarry, which produces the finest Blue-White stock. Rough stock a specialty.

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Massachusetts Monument at Andersonville, Ga. Cut and Erected by
John Thompson & Sons.
Size: 10-6x7-6x14-2.

JOHN THOMPSON & SONS

Manufacturers and Wholesale
Dealers in all Kinds of

New England Granite

Monuments, Tombs,
Statuary, Buildings, Etc.

THE FINEST GRADES OF QUINCY GRANITE A
SPECIALTY.

Quarry Street, QUINCY, MASS.

tary, George F. Otto. This company has recently completed a new manufacturing plant at Barre, Vt.

South Carolina.

J. R. Leavell, of Greenwood, has the contract for the Confederate monument to be erected in that town by the Ladies' Memorial Association. The unveiling is set for next Memorial Day.

Tennessee.

John Troutt & Co., of Chattanooga, have erected a new building for their plant, 47x54 feet in size. They do a large business in building work as well as monumental. One of their recent contracts was a family monument erected on the Rosenheim lot in Forest Hills Cemetery at a cost of about \$900.

A. H. Abbott has withdrawn from the firm of Brittain & Abbott, of Columbia. T. C. Brittain continues the business.

Vermont.

Charles K. Tileston, of Cavendish, has filed a petition in voluntary bankruptcy; liabilities, \$1,470.65; assets, \$735; exempt, \$228.

Dennis Hogan and his son James have purchased a site near Jacob Warner's marble works at Fair Haven and will open a finishing shop there.

W. W. Pike, formerly of the manufacturing firm of Pike & Boynton, of Morrisville, has retired from that firm to take the retail marble and granite business in that town.

Wisconsin.

Handford & Cleland have bought out John Hendricks, of Edgerton, and have moved the business to Milton Junction.

Obituary.

Edward P. Oxnard.

Edward P. Oxnard, of Medford, Mass., treasurer of the Granite Exchange Co., of Boston, died suddenly at Barre, Vt., while on a business trip through that state and New Hampshire. His death came as a shock to his friends and business associates in Boston as he left that city October 6, apparently in good health. He was stricken with paralysis and taken to the Emergency Hospital at Barre, where he showed signs of improvement up to the day of his death. The interment was at Brunswick, Me. The family includes a wife and three sons and one daughter, all of whom reside near Boston. The deceased was about 62 years of age. Mr. Oxnard was well known in all granite centers and to the trade throughout the country through his connection with the Granite Exchange. Reed O. Oxnard, who has been associated with him for the past 12 years, and who is thoroughly acquainted with the business, will succeed him, and will be secretary and manager of the company, which will continue to do business as in the past.

Frank G. Cummings.

Ex-Alderman Frank G. Cummings, of Haverhill, Mass., who had conducted the marble works in that city for 21 years, died November 13, after a brief illness. He was born in Concord, N. H., where his body was taken for burial. Mr. Cummings was a 32d degree Mason, a Past Exalted Ruler of the Haverhill Lodge of Elks, and an Odd Fellow. He leaves a wife and a father and mother.

Charles J. Roussel.

Charles J. Roussel, of New York, one of the largest importers of marble in the United States, died at Pietrasanta, Italy, October 18, from apoplexy. He was 60 years of age, and was born in Belgium, where his early life was spent on

a farm. King Leopold, of Belgium, recently conferred a medal on him in recognition of his services to art.

David H. Ranck.

David Ranck, for many years editor and publisher of *Stone*, died in Chicago Nov. 1 from Bright's disease at the age of 55. Mr. Ranck first published *Stone* at Indianapolis fifteen years ago, but subsequently removed to Chicago, where he continued as its publisher until three years ago, when the journal was sold and removed to New York. At the age of fifteen Mr. Ranck entered the union army as a private in the war of the rebellion, and after being mustered out, owing to illness, he re-enlisted and remained in the service until May, 1865. At the time of his death he was editor of *The Show Window*, a Chicago trade journal. He was a man of strong convictions and had the courage to express them, as many of the former readers of his excellent magazine will remember. His funeral at Oakwoods Cemetery, Chicago, was under the auspices of Columbia Post, G. A. R., of which he was a member. He leaves a wife and four children.

George Lamson.

The death of George Lamson, which occurred at Barre, Vt., last month, has taken from the granite manufacturing industry of that city a man whose character had won for him the esteem of his townspeople and of a wide circle of business acquaintances throughout the United States. Mr. Lamson was a type of the sturdy, earnest, conscientious New Englanders whose characteristics have been the very foundation of our country from the days of the Pilgrim Fathers. Of a modest and retiring disposition he sought none of the honors that most men of his ability aspire to, nor would he accept them when offered by friends who recognized in him one who would honor any place of trust. He applied himself diligently to the management of his quarrying and manufacturing business and took few or no respites from its cares; not, naturally of robust physique, disease found in him an easy prey. Mr. Lamson was identified with the Universalist Church and was a trustee of Goddard Seminary at Barre. He stood high in the order of masons, being captain-general of St. Aldemar Commandery and a noble of the Mystic Shrine. He was president of the Quarry Owners' Association at the time of his death and an ex-president of the Granite Manufacturers' Association.

Instruction in Modeling.

Editor Monumental News:

Will you please inform me in the Monumental News what the price is of a term in sculpture or modeling in clay, the length of term, or any information I may require?

PERCY EMMETT, Logansport, Ind.

The Art Institute of Chicago offers elementary and advanced instruction in modeling from life and the antique in both day and evening classes throughout the year. The tuition fee for one term of twelve weeks in the day class is \$25, entitling the student to admission to all classes for which he is qualified. There are three terms during the year, exclusive of the summer school. The winter term begins January 5, the spring term March 30, but students may enter at any time. In the evening class, three evenings a week, the tuition fee is \$6.00 for the term. The instruction is thorough and practical, and students have the opportunity of doing actual work in the studio. The catalogue will be sent on application.

The 67th exhibition of paintings and sculpture by the Boston Art Club will be open January 2, and continue to January 31, 1903.

SERIES No. 7.

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We have a large Stock of Cemetery Statuary on
hand which we are offering at unusually low prices.

TRY MYERS CEMENT.

FULLER BUILDING,
5th Ave. and Broadway at 23d St.
NEW YORK.

Marble Notes.

Samples of Alaskan marble received at Seattle from the quarries of the El Capitan Co., on Prince of Wales Island, are said to have been pronounced by experts to be of fine quality for building and ornamental uses.

The contract for the interior finish of the Chicago post-office has been awarded to John Pierce of New York, who is still engaged upon his contract for the exterior finish. His bid of \$997,500 was about \$100,000 below that of his nearest competitor, the Davidson Brothers Marble Company of Chicago. John Griffith & Sons' offer to complete the work by May 20, 1904, was not considered, for the reason that the bid of Griffith & Sons was \$240,000 more than Pierce's.

The St. Albans (Vt.) *Messenger* prints the following: An error in calculation in the construction of the immense new marble mill of the Rutland-Florence Marble Company, in the town of Pittsford, has cost the company a considerable sum of money and has damaged the outward appearance of that structure, which was conceded to be the finest of its kind in the world. When the building was put up a large traveling crane was at that time in process of construction at the shops of the F. R. Patch Manufacturing Company in this city, and it was deemed expedient to go ahead with the construction of the mill, leaving a door space at one end which was supposed to be large enough to admit the crane. The crane was finished a few days ago and shipped to Florence, the mill in the meantime having been entirely completed, but it was found that the crane was about two feet higher than the space left to take it in through. The crane could not be taken to pieces and there was nothing left to do but to take down the end of the building. This has just been done and the crane admitted, but it entailed heavy expense. Work at the new plant was begun Nov. 14, with a force of 100 men, which is soon to be increased.

ILLUSTRATIONS

Plates in Photogravure Edition.

(Formerly The International Edition.)

- NO. 657. GLOECKNER MONUMENT, ERECTED IN Albany Rural Cemetery, Albany, N. Y., by Lorenzo Kirchner, of that city; cut from Barre granite by Flint Granite Co., Albany, N. Y. Sizes: Base 7-0 x 7-0 x 1-8; base, 5-9 x 5-9 x 1-3; die, 5-2 x 5-2 x 5-8; statue, 1-8 x 1-8 x 6-0.
- NO. 658. DESIGN FOR MONUMENT, "LEWIS," BY R. C. Blocksom, Boston, Mass. Sizes: Base, 8-0 x 5-0 x 1-2; base, 6-3 x 3-3 x 1-0; die, 5-4 x 2-4 x 3-6; statue, 5-0.
- NO. 659. DESIGN FOR TABLET, BY E. SARGENT Sampson, New York.
- NO. 660. HAAS MAUSOLEUM, WOODLAWN CEMETERY, New York, Barre granite. Erected by C. E. Tayntor & Co., New York.
- NO. 661. HOPKINSON AND MANCHESTER MONUMENTS, Swan Point Cemetery, Providence, R. I. They are both Westerly granite; the Manchester was erected by Stanton & Farnum, Providence, R. I., and the Hopkinson by Kimball & Co., Providence.

1876. THE LEADER OF THEM ALL. 1902.

QUINCY GRANITE



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CHAS. H. NICHOLS, Sculptor
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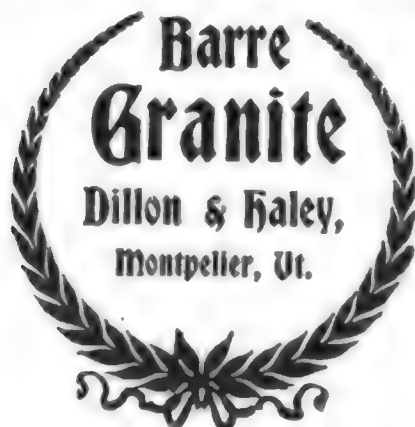
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QUARRIES****HENRY GARDINER, Sole Prop., P. O., Millstone, Conn.**
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At the QUARRIES

Barre, Vt.

(From Our Regular Correspondent.)

The most important event of the past month in the Barre granite industry was the closing of the Exchange on Nov. 6th, after an existence of eight months. From time to time firms had been withdrawing for various reasons, the principal being dissatisfaction with the scale of prices, which they found, or thought that they found, higher than could be obtained by them. Quite a number of firms, also, who figured their work according to the Exchange scale did not send their estimates through the Exchange, though getting all the benefits. The remainder found that expenses of maintenance fell upon them, and naturally objected to bearing the whole burden. From the nature of the case the continued success of the Exchange depended upon the continued and hearty support and co-operation of the majority of the firms, and there can be no question of the wisdom of the Manufacturers' Association in deciding to close it up when that support and co-operation failed.

The event seems to show that the best way to accomplish the objects desired was not to be found in the Exchange. There can be no doubt, however, that the attempt and experience have proved valuable to all concerned. The principles and practice of estimating the cost of work are better and more generally understood. The necessary interchange of ideas and experiences cannot fail to be beneficial. The Association is now planning to preserve a part, at least, of what has been learned by preparing and publishing a set of tables giving the cost of all kinds of work in detail. Manager Mackay, with one or two helpers, is closing up the business of the Exchange as fast as possible.

The business has continued about the same as last month. Men have been discharged by one firm and taken on by another. Some report a scarcity of orders, others that they are fairly well supplied. On the whole work seems to be a little dull, and the signs point to a longer or shorter shut-down during the holidays on the part of many of the firms. But all this may be changed before that time.

The death of George Lamson, of Wells & Lamson, occurred too late for anything but the bare announcement of the fact in our last letter. His health had been poor for some time, but his death was sudden. In fact a specialist had just made a careful diagnosis of his case, and given his opinion that there was a fair chance of recovery when a decided change for the worse supervened, and he soon passed away. Mr. Lamson was a man of great business ability and fine

character. Very modest and retiring in manner, he was a faithful and earnest worker in any enterprise in which he became engaged. He was held in the highest regard by his business associates and fellow citizens. The firm, of which he was the principal member, was formed in 1882, when, with J. K. Pirie, he invested in quarry property. The next year S. O. Wells, the father of City Clerk and Treasurer B. H. Wells, was added to the firm, and the manufacturing business of E. L. Smith was purchased and was carried on near the Central Vermont freight depot. A few years later the present site at the north end of the city was purchased and a large and up-to-date plant erected. Mr. Wells having retired from the firm, the management of the large and flourishing business in both its branches of quarrying and cutting fell to Mr. Lamson, and undoubtedly hastened the fatal termination of his disease. His funeral, which occurred October 30th, was largely attended.

Quincy, Mass.

(From Our Regular Correspondent.)

The past month has witnessed a slump in business here. This was expected consequent of the coal strike and its effect upon the country at large. The condition is more noticeable coming as it does after a period of genuine prosperity. The granite industry occupies a peculiar position in the trade world. It is about the last of crafts to respond to the prosperity chord and among the first to experience the result of a disturbance in the industrial mart. The manufacturers are hopeful, however, that the present lull will be short lived and that spring trade will open auspiciously the first of the year.

There were rumors current, during the middle of November, that the local branch of the Cutters' Union would submit a new bill of prices to the manufacturers and ask for a higher minimum wage for a day's work. No official notice was given at the last regular meeting of the Manufacturers' Association on the 18th ult. The cutters have until Dec. 1st to submit the new bill. Should one be presented, there will be no suspension of work pending a solution of the difficulty. The manufacturers' and workmen's position will be submitted to a board of arbitration and each will abide by the arbitrators' decision.

John Fallon & Sons have completed their work of constructing the breakwater and rip-raps at Nut Island and on the city's water front for the Metropolitan Sewerage Commission. Fifty-five thousand tons of rough granite were used.

The Quincy Granite Quarries Co. is busy completing the year's orders. Plans for the reorganization of the company are expected to be formulated prior to Jan. 1, 1903.

(Continued on page 718.)



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(At the Quarries, Continued.)

Peter T. Fallon, of the firm of John Fallon & Sons, was elected representative to the Massachusetts legislature at the recent state election. Mr. Fallon received a flattering vote and was high man in a field of eight candidates. Marshall P. Wright, another man well known to the trade, was handsomely elected to the commissionership of Norfolk County. Mr. Wright was the regular Democratic candidate, but received the indorsement of the independent Republicans and won out in a district overwhelmingly Republican. The term of office is for three years.

Mayor Dr. J. A. Green of Laconia, N. H., and other members of the city government were in town the first

of the month and accepted the soldiers' monument in process of construction at McDonnells & Sons' yard. The monument, which is nearly ready for shipment, is of Westerly granite. It stands on a 7-0 square base and is 32-0 high. The monument will grace the public square of Laconia, N. H.

Mr. Goldsmith of the firm of Binswanger & Goldsmith of New York City, visited the trade during the past month.

Following are the shipments of rough and finished granite in pounds from the various depots: Quincy Adams, 5,579,205; Quarry R. R. 3,378,940; West Quincy, 11,079,750. Total for the month, 20,037,895 pounds.

Quarry Notes.

J. C. Whipp and others have formed a company for developing marble lands in Josephine County, Oregon. The company is said to control about 1,320 acres of land.

The Granite City Quarrying Co., of Abilene, Kan., has been organized to develop granite quarries at Granite, Okla. The product, which is said to closely resemble Peterhead, will be put on the market for monumental and building purposes.

It is reported that the granite to be used in the construction of the new Pennsylvania state capitol will be quarried on High Island, off the coast of Maine, near Thomaston. Some of the granite used in the Congressional Library at Washington was also obtained from this island. The contract will amount to about \$2,000,000.

The Dominion Iron and Steel Co., which operates marble quarries at Marble Mountain, near Sidney, Nova Scotia, has an output of 100,000 tons of marble for the past year. The company is installing aerial cableways and other new machinery and is employing about 275 men.

The Adams Marble Co., Adams, Mass., has made the following return to the secretary of state: Real estate, \$5,937; machinery, \$20,866; cash and debts receivable, \$6,977; manufactures and merchandise, \$10,684; profit and loss, \$40,350; total, \$84,823. Capital stock, \$26,000; debts, \$58,823.

The Thomas N. Lee Company, of Baltimore, Md., has been incorporated with a capital stock of \$10,000 for the purpose of quarrying limestone and marble. The incorporators are: Thomas N. Lee, Alexander L. Mitchell, W. H. De Courcey Wright, Carrington G. Arnold and Cassandra L. Arnold.

Quarrymen of Sullivan and Franklin, Me., are reported to have signed the bill of prices of the granite cutters' union, and put an end to the strike which has been in force there since May 1, 1900. The following firms are said to have been affected; Crabtree and Havey, Hooper, Havey Co., Robertson & Havey, W. T. Havey & Son, Alonzo Abbott, Sullivan; T. M. Blaisdell, Frank Blaisdell Co., Bragdon Brothers, Franklin.

The North Carolina Pink Granite Co., Salisbury, N. C., are getting their quarries into working shape, preparatory to putting their pink granite more prominently on the market. They report orders that tax them beyond capacity, but are rapidly getting into shape to handle more business. Among their present contracts is one for a large apartment house in Washington, and considerable monument and vault work for Pittsburg, Pa.

The Tennessee Variegated Marble Co., recently incorporated by Columbus, O., capitalists, has begun opening up its

quarries at Friendsville, Tenn., and will soon begin the construction of mills—either at that place or at Knoxville, where an office has already been opened. The marble is said to be of fine quality and different in color from the other Tennessee varieties. Col. W. M. Crawford is at the head of the company.

The Vermont Marble Co. has secured the contract for furnishing marble for the interior of the new First National bank building in Chicago. It is one of the largest contracts of its kind ever awarded to this company. The wainscoting of fine quality, and different in color from the other Tennessee varieties, will be a light cloud marble, and the tile of Hollister white marble. The filling of the contract will require about 150,000 feet of the former marble and about 125,000 feet of the latter. The company also has the contract for finished marble work for the new senate chamber at the state capital of New Jersey, which is to be finished in brocadillo and light cloud marble.

The Hudson and Chester Granite Co., Chester, Mass., while uncovering a new surface in their quarry, came upon a new quality of granite said to be superior to any before found there. It is of the same hardness as the old granite, but is whiter and much finer grained, somewhat resembling the Westerly granite. President Harder is to construct a monument of the material for his family lot in Hudson, N. Y., to demonstrate its quality.

The corner-stone of the new library building in New York City was laid Nov. 13, and Norcross & West, of Dorset, Vt., who have the contract for marble work for that building amounting to \$1,000,000, have increased the force of men at the quarries so as to treble the output, and have doubled the force at work at the mills at Manchester Depot.

The Aberdeen Granite Company, Aberdeen, S. D., has succeeded the former Aberdeen Marble & Granite Works, the Light Granite Co. and the Ortonville Granite Co., of Ortonville, Minn. The company takes the quarries and assets of the above mentioned corporations, and in addition, have bought the Baxter quarry at Ortonville, from which the splendid five million dollar Minneapolis court house was built. The acquisition of the Baxter property enables the company to add two additional grades of red and variegated monumental granite. The capital stock is \$50,000, of which \$40,000 has been paid in. Messrs. J. Lee Koon and Jefferson B. Koon, who have been the proprietors for about a year past, remain identified with the company as general manager and director, respectively, and F. A. Brown will be secretary.

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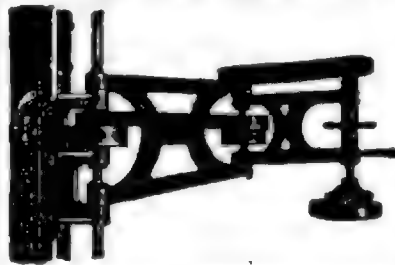
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PROPOSED MONUMENTS

SWARTHMORE, PA. — A committee of twelve has been formed for the purpose of erecting a monument here in memory of Benjamin West, the artist. It is planned to make the movement a national one and raise a fund of \$25,000. Rev. H. S. Jackson is chairman of the committee.

INDIANAPOLIS, IND.—At the recent annual meeting of the Indiana Sons of the Revolution it was decided to take steps toward the erection of a suitable marker for the grave of General George Rogers Clark, in Cave Hill Cemetery, Louisville, Ky.

COHANSEY, N. J.—Presbyterians of this state are engaged in a movement for the erection of a monument here to commemorate the organization of the First Presbyterian church in New Jersey in 1708. The presbytery of West Jersey has appointed a committee, with Rev. Allen H. Brown, of Atlantic City, as chairman.

PHILADELPHIA, PA.—The Thomas Jefferson Memorial Association, recently organized in this city for the erection of a monument to Thomas Jefferson in Washington, D. C., has elected officers and appointed a board of governors, made up of one member from each of the thirteen original states, all of whom will serve until the completion of the memorial. Admiral Dewey is president of the association, and W. S. McKean, secretary.

NEW ALBANY, IND.—The Daughters of the American Revolution of New Albany and Jeffersonville will endeavor to secure an appropriation from the next Legislature for the erection of a monument on the site of the Pigeon Roost Massacre in Scott County. Mrs. Elwood Fawcett, of New Albany, and Mrs. Nathan Sparks, of Jeffersonville, are members of the committee.

FORT LEE, N. J.—Citizens of this town are organizing a movement to erect a monument to mark the site of Fort Lee of Revolutionary fame. The state has appropriated \$1,000 toward the monument.

PROVIDENCE, R. I.—The descendants of Roger Williams have inaugurated a movement for the erection of a monument to mark the site where Roger Williams first settled near this city. J. D. Hall, Jr., is vice-president of the association.

(Continued on next page.)



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TUSCOLA, ILL.—The Illinois Association of Ex-Prisoners of War, at its recent convention in this city, voted to ask the next Legislature for an appropriation to erect a monument at Andersonville, where 889 men from Illinois died in prison.

LINCOLN, NEB.—A state conference of the Daughters of the American Revolution was recently held here for the purpose of formulating plans for the erection of a monument at Old Fort Calhoun, where Lewis and Clark, in 1804, met the Indians and signed a treaty which opened up what is now Nebraska territory. The delegates decided to rely solely on funds to be contributed by the Sons and Daughters of the Revolution. A committee was appointed to arrange the plans.

KANSAS CITY, MO.—The Missouri Chapter, United Daughters of the Confederacy, in session in this city, recommended the erection of a monument to cost \$12,000 in memory of the Confederate dead.

SPRINGFIELD, O.—A movement was inaugurated at a recent mass-meeting for the erection of an arch in memory of John and David Snyder, donors of Snyder Park. A fund of \$10,000 is to be raised by popular subscription. Former Governor Bushnell is at the head of the movement.

BOSTON, MASS.—A movement headed by Susan B. Anthony has been inaugurated for the erection of a monument to the late Elizabeth Cady Stanton.

CLEVELAND, O.—A movement is on foot here to erect a monument to Bishop Richard Gilmour, second head of the Catholic Diocese of Cleveland. The Catholic Benevolent League is making definite plans which are in charge of Bishop Hortsman.

CINCINNATI, O.—At the recent election a proposition was carried to issue \$250,000 in bonds for the erection of a soldiers', sailors' and pioneers' memorial building in this city. An effort is being made to secure a site in Washington Park. Postmaster Monfort is chairman of the committee in charge.

(Continued on next page.)



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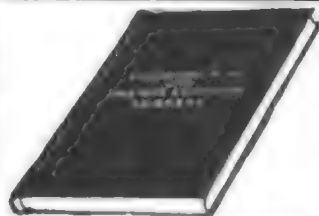
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(Proposed Monuments, Continued.)

ST. LOUIS, Mo.—Prominent Germans of this city have organized an association to raise funds for the erection of a monument to General Franz Sigel. Robert Benecke is secretary of the association.

PORTLAND, ME.—Masons of the Grand Lodge of Maine, which numbers 25,000 members, are engaged in raising funds for the erection of a monument to the late Josiah Hayden Drummond, who is buried in Evergreen Cemetery. Marquis F. King, of Portland, is treasurer of the fund.

SAUGERTIES, N. Y.—The Village Improvement Association of this town are to erect a fountain and would like to have catalogues showing designs and prices. Communications should be addressed to W. F. Reber, Secretary.

NAPOLEON, O.—A stock company has been organized with a capital of \$2,000 to erect a monument near this town on the boundary line of Wood County, to commemorate the solitude of the spot. The memorial is to stand in the depths of the forest and will be inscribed with the name of Rip Van Winkle.



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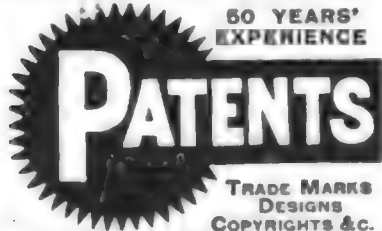
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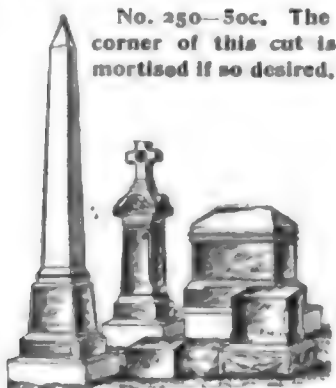
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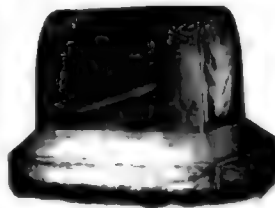
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110 SUMMER STREET, BOSTON, MASS.

Book Notes.

The Russells in Chicago, by Emily Wheaton; L. C. Page & Co., Boston, 1902; price, \$1.25: The Russells in Chicago is the story of a young married couple reared in Boston, who came to Chicago to live. The husband is well satisfied and enjoys life, but the wife is stifled by the lack of cultured atmosphere, and shocked to discover that the streets are dirty and that most of the people have no family trees. She finds her husband drifting from her and in order to win back his love, is induced by a friend to resort to the stratagem of a flirtation. She succeeds and manages to convince herself that life in Chicago is fairly sufferable, the prevailing impression in the East to the contrary notwithstanding. The author seems to be struggling to make the best of a very bad subject, and gives a fairly accurate conception of Chicago as it might be seen through Boston glasses from the top of the Auditorium Tower. Local color is lavishly applied, even to the point of mentioning names of celebrities, and reproducing photographs, and there can be no doubt that the writer is familiar with the names of the principal streets and hotels. While the story, which is a very small part of the book, ends with a very gushing reference to Chicago, the general impression left on the reader is that there are about two refined people in that city, and that one of them came from the East. As a gossip picture of women's club life in Chicago for a ladies' literary club in Boston, the book may be ranked as a success, but as a serious study of Chicago, it will not be accepted at its face value farther west than Cambridge, Mass.

The Manual of Business, by Sidney P. Johnson; Daniel Stern, publisher, 69 Dearborn St., Chicago: This book is a ready reference work of commercial methods, and includes a large collection of correct business forms for executing commercial instruments, and accurate data on many points of

value in everyday business life. Some of the different chapters treat of the following: Correspondence, bookkeeping, debts and collections, banking, contracts, patents, property, real and personal, transportation, etc.

Mineral Resources of the United States, for the year 1901, by David T. Day, Chief of the Division of Mining and Mineral Resources, Washington, Government Printing Office, 1902. This volume is the 18th annual report of this series and is a census of the production of all minerals found in any quantity in the United States. The book embraces nearly one thousand pages of facts and statistics, including the production by states of all the leading minerals. Most of it has been issued as advance reports from time to time, and parts pertaining to the stone production have been published in the MONUMENTAL NEWS. The total of our mineral productions in 1901 was \$1,086,529,521. The total production of stone, which includes granite, marble, sandstone, bluestone, limestone, trap rock and slate, was \$60,982,060, divided as follows; granite, \$15,976,961; marble, \$4,965,699; sandstone, \$6,974,199; bluestone, \$1,164,481; limestone, \$21,747,061; trap rock, \$1,710,857; slate, \$4,787,525. The total values for each year from 1891 to 1901 are given, and also the values by states for 1900 and 1901. The value of stone imported into this country in 1901 was \$1,276,602, including marble and manufactured marble, \$1,024,867; stone, including slate, both rough and manufactured, \$215,915; marble, including onyx, imported in blocks, rough or squared, \$617,945. The largest feature of the marble importation was the marble, rough and manufactured, from Italy, which amounted to \$823,488. The total value of stone exported from the United States was \$1,672,876. Tables showing the value of granite production by states and uses to which it is put for 1900 and 1901 are also given.

Trade Literature, Etc. Received.

The Art Students' League, of New York: Neatly printed and designed catalogue of announcements for the year 1902-3, containing the list of courses offered, members of the faculty, etc.

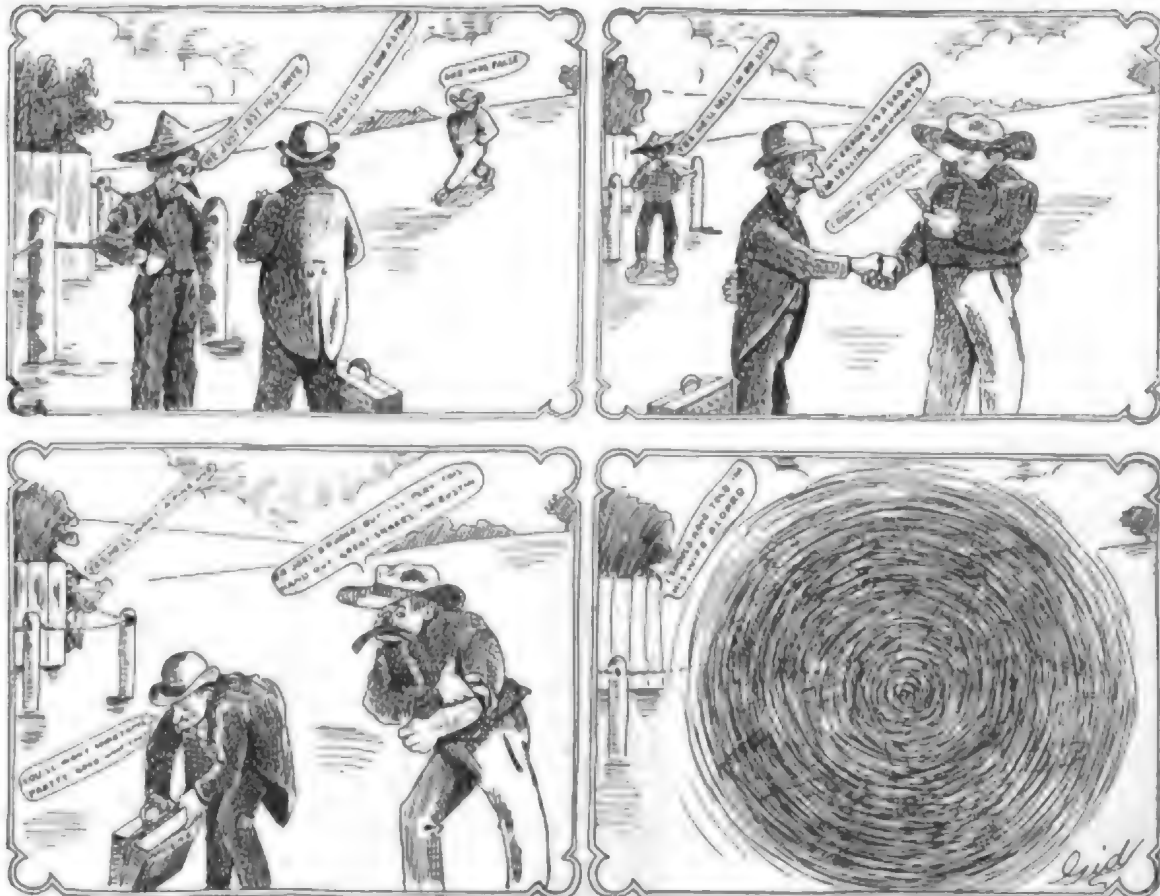
George B. Sickels & Co., Tate, Ga., new catalogue of designs, issued October, 1902: This firm's new catalogue, which has already been mailed to the trade is handsomely printed and illustrated and shows 32 attractive designs, most of them in that company's well-known dark stock. Accompanying the catalogue is a pocket-size price list of finished work and stock in all colors of Georgia marble. Dealers who have not received this catalogue will find it to their interest to write for one at once.

Announcement card from Jno. Williams Bronze Foundry, New York, calling attention to an article published in the October number of Munsey's Magazine, entitled "The Doorways of New York," by Frank S. Arnett. The article is illustrated with a large number of bronze doors and gates that were cast by the Jno. Williams Foundry, and will be

of interest to all admirers of artistic bronze work.

The Raleigh Marble Works, Cooper Bros., Raleigh, N. C., have issued a neat and attractive advertising blotter. It bears a colored reproduction of Brownscombe's painting, "A Breath of Spring," and heads its reading matter with these words: "How for to Raleigh? That makes no difference. We pay the freight."

We have received five photographs from C. B. Hollenberry, from Wilksburg, Pa., one of them illustrating the Dinkey-Wagner mausoleum recently erected by him for Charles M. Schwab on the lot of his mother-in-law, Mrs. M. E. Kinsey. The mausoleum is of Barre granite, finished on the interior with pink Tennessee and Italian marble, and contains twenty catacombs. The other photographs show views of Mr. Hollenberry's shops at Braddock and Wilksburg, Pa. He has just completed his plant at Wilksburg, has recently fitted up the Braddock shop with a new outfit of pneumatic tools, and reports some fine orders booked for spring delivery.



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Fifty copies of your pen or pencil sketch of monuments or letters can be taken with the Paragon Copying Pad in 10 min. Use any kind of paper. So simple a child can use it. Used by all wholesale dealers.

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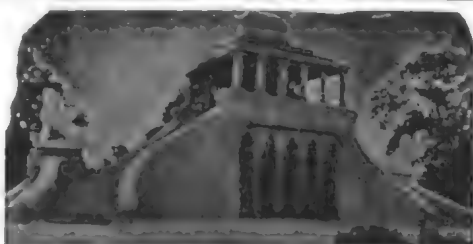
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Send your order for a sample job and be convinced.

What Our Advertisers Are Doing.

The Quincy granite fountain which George L. Mead of New York, is to furnish the town of Sussex, N. J., is being made for A. E. Wolfe of Sussex, instead of E. A. Decker as stated in our last issue.

* * *

McDonnell & Sons are now installed in a commodious and up-to-date plant at Barre, Vt., where they have ample facilities to take care of their growing business in Barre granite. Among the large contracts booked by this firm last month are the Starr mausoleum for Pittsburg, the Mitchell mausoleum for Oneonta, N. Y., the Page mausoleum for Marshall, Mich., and other large monuments. Their Quincy plant has had a very satisfactory year's business.

* * *

The monument illustrated on this page is Design No. 417 from the illustrated catalogue of George B. Sickles & Co., wholesale dealers, manufacturers and contractors in Georgia marble, at Tate, Ga. This monument was made of an extra dark quality of Georgia marble which shows the polished surface and carving to good advantage. The back of the die, which is plain, and the ends and top are fine axed; a similar finish is given the bases and the result is a decidedly pleasing medium priced monument. Mr. M. S. Crane, the genial manager of the monumental department of this company, will be glad to hear from his old friends in the trade and any others who may be in the market for Georgia marble.

* * *

Mr. C. M. Robinson, of Oshkosh, Wis., and Mr. Fred Kimball of Lincoln, Neb., have recently gone into the wholesale marble, granite and stone business with headquarters at Oshkosh. They will represent the Aberdeen Granite Co., who control quarries at Ortonville, and they will also have exclusive agency for the output of the Heights Granite Co., at Granite Heights, Wis. They will also represent New England manufacturers of marble and granite. Mr. Kimball will travel for the firm and Mr. Robinson will look after the office and manufacturing interests.

* * *

The Pittsburg Crushed Steel Co., Ltd., of Pittsburg, Pa., invite attention to their adv. of the New Automatic Feed for Stone Saw Gangs, appearing in this issue, for feeding the daily supply of crushed steel, sand or other abrasive to pumps supplying saw gangs. It is an up-to-date machine, ingenious in construction, and indispensable to any stone mill where pumps are being used. It saves labor, sand and steel, and reduces the cost of saw blades, gives better cuts and increases the sawing owing to the equal distribution of the sawing abrasive. The feeding mechanism is automatic on the machine, and can be regulated and adjusted to any number of gangs being fed by a pump, so that the requisite amount of sawing material is supplied during the day's run. Stone sawyers should investigate the merits of the machine; every labor-saving device naturally increases the output, and during this age of keen and close competition the up-to-date and wide-awake manufacturer responds to the necessities of the

time. This machine has been endorsed, both by the employer and the employee, and the manufacturers have unqualified endorsements from the heads of concerns and superintendents of stone mills. While it has only been on the market about eight months, it is in use by such concerns as The Cleveland Stone Co., of Cleveland, O., who have in use 25 of the machines. Independent Stone Co., of Cleveland, have 6; the American Quarries Co., Stonington, Ind., 5; ten of these machines are in the different mills at Carthage, Mo.; Perry-Matthews-Buskirk Stone Co., Bedford, Ind., are using one machine and intend to install several more; the Carthage



DESIGN NO. 417 FROM CATALOG OF GEO. B. SICKLES & CO.

Marble & White Lime Co., St. Louis, Mo., and W. S. Riggin and R. Robertson & Co., stone contractors of Detroit, have one each. A number of other stone mills and stone contractors intend to inaugurate in their plants the Automatic Feed during the year.

* * *

The offices of the New England Granite Works have been removed from Hartford, Conn., to 489 Fifth Ave., New York City.

* * *

Red Missouri granite, which has become so popular among retail monument dealers, can be obtained direct from the quarries of the Sycamore Granite Co., whose offices are at 125 South 4th St., St. Louis, Mo. Missouri red granite takes a remarkably high polish and is peculiarly adapted to the requirements of the monument trade; it is used for monuments and mausoleums, and harmonizes well when used in connection with bronze statuary.

The Fifteenth Anniversary Number of . . .

THE MONUMENTAL NEWS

will be issued January 1st, 1903.

There is no better medium for reaching the marble and granite dealers, manufacturers, contractors, sculptors and architects interested in this line of work than this journal.

Send copy for advertisements before December 15th.

BOOKS FOR THE TRADE.

Mailed on receipt of price postpaid.

Address R. J. HAIGHT.

324 Dearborn St., Chicago.

MEASURING AND ESTIMATING.

NASH'S EXPEDITIOUS MEASURER.

Contains 200 pages of indexed tables, which show at a glance the cubic contents of any stone according to its length, breadth and thickness. It saves time and labor and avoids mistakes, and is invaluable to stone workers. Price \$1.50.

ARCHIBALD'S BOOKS OF SQUARE AND SARCOPHAGUS MEASUREMENTS.

Quick and accurate method of estimating granite monuments, giving the cubic feet of stock, superficial feet of cutting, also superficial feet of polishing each stone separate. Hundreds in use. Recommended by quarry workers and monument dealers all over the country as the best books of the kind ever published. "Square" book, \$5.00; "Sarcophagus" book, \$10.00.

PRICES, ESTIMATES AND RULES FOR FIGURING THE COST OF GRANITE WORK, BY JAMES F. BRENNAN.

A guide to assist in arriving at the cost of Cutting, Polishing and Lettering Plain Surfaces, Mouldings, Drapery, Statues, Urns, etc., in the different kinds of granite, and prices of rough granite at the different granite centers, to which are added the bills of prices of workmen recently adopted at Quincy, Barre and Concord; also complete bills of prices for polishing, recently adopted at Quincy and Barre. Illustrated, \$1.00.

POCKET BOOK OF ALPHABETS FOR STONE CUTTERS AND DRAFTSMEN.

Contains the following Alphabets: Church Text, Egyptian, Egyptian Perspective, French, French Antique, French Renaissance, German Text, Italic, Italian Shaded, Italian Hairline, Monograms, Old English, Old Roman, Open Roman, Open Stone, Ornamental, Roman, Latin, Rustic, Teutonic, Etc. 32 pages, 4x7 inches. Price 20c.

LETTERING FOR DRAFTSMEN, ENGINEERS AND STUDENTS.

Treats upon free hand lettering in a practical way. Special attention is given to the subject of lettering working drawings. 32 pages, 8 x 11, 50 illustrations, 10 plates, cloth bound. Price, \$1.00.

EPITAPHS.

ENGLISH AND GERMAN EPITAPHS. Foster & Hesler.

With Latin quotations and selections from Scripture. 28 pages, 3 1/4 x 5 1/2. Price 25c.

EPITAPHS, ORIGINAL AND SELECTED. Clark's.

Contains 500 one, two, three and four line verses, conveniently classified. Selections from Scripture. Latin quotations. Ten Alphabets, including Modern Hebrew, with English equivalents. 42 pages, 4x6 1/4. Price, 25c.

MODELING IN CLAY.

Instructions in the art of modeling in clay by A. L. Vago, with appendix for modeling in foliage, etc., for architectural decoration by Ben Pitman of Cincinnati School of Design. Illustrated. 12mo. Cloth bound. Price \$1.00.

PLASTER CASTS AND HOW THEY ARE MADE.

Directions for making casts by the waste, piece, elastic and sulphur mould process; casting from life; oiling, painting, cleaning, mending, etc. Cloth bound. Price \$1.50.

THE MONUMENTAL NEWS

R. J. HAIGHT, Publisher.

JOHN W. Weston, C. E. Editor.

324 Dearborn Street, CHICAGO.

New York Office, 1536 Am. Tract Society Bldg.

SUBSCRIPTION:

Regular Edition, \$1.00 year.

Foreign, \$1.50.

International Edition, \$2.50; Foreign, \$3.25.

Entered Chicago P. O. as Second-class Matter.

Situations Wanted.

Advertisements not exceeding 25 words will be inserted under this heading free of charge. If replies are sent in care of THE MONUMENTAL NEWS, the advertiser must send 25 cents to pay postage on letters forwarded.

Position wanted by a granite cutter; sober and reliable. Can do all kinds of monumental finishing, tracing and lettering; have done some carving. E. C., care Monumental News.

Wanted, a steady position with some good, reliable firm, by an all-around man in granite and marble. Best of references. E. T. Leigh, 1744 P. St., Lincoln, Nebr.

Position wanted by first-class granite and marble cutter and letterer, as foreman or manager. Have long experience in stone business. Able to estimate. Central West preferred. Wages reasonable for permanent employment. Address Neal, care Monumental News.

Position wanted by monumental draughtsman. Expert in making water-color drawings; references. December, care Monumental News.

Position wanted by first-class all-around man. Can letter and trace marble and granite. Steady and reliable. Wm. Senker, 507 E. Henry St., Mt. Pleasant, Iowa.

Position wanted as marble and granite letterer and tracer; piece work. Have also had experience on the road. Julius Voss, 167 Dayton Street, Chicago, Ill.

Business Chances, For Sale, Etc.

Advertisements inserted in this column 15 cents a line each insertion; six words to a line. No advertisement to cost less than 50 cents. Copy should be received not later than the 20th.

FOR SALE, ETC.

For Sale—Retail marble and granite stock; invoices about \$1,200; nearest shop, 38 miles. No better trade in Eastern W. Va., nor Western Maryland. Will sell at actual cost of stock and tools. Cause of retiring, ill health. Marble works, Terra Alta, W. Va.

For Sale—At actual cost of stock and tools, our prosperous retail monument business. Finest location in Michigan; only shop in city; stock is all new and up-to-date finished marble monuments and markers, and but very little marble. Will inventory about \$1,200. V. N. & R. A. Pearshall, Grand Ledge, Michigan.

For Sale—Stone-dressing machine, McCoy pneumatic surface cutter, little used, belonged to the late W. H. McQueen. Wm. Jark, Adm., Barre, Vt.

Business Chances—A good time to advertise them is in the Anniversary Num-

ber, of The Monumental News next month. Send your copy before December 20th. Two cents a word.

For Sale—Numidian marble quarry, undeveloped. In Alabama; color varying from a neutral gray to a rich yellow. Easily quarried and near transportation. Box 46, Jackson, Alabama.

Help Wanted.

Advertisements, not exceeding 30 words, will be inserted under this heading free of charge for subscribers to THE MONUMENTAL NEWS. If replies are to come in care of THE MONUMENTAL NEWS, send 25 cents to cover cost of postage, etc. Rate to non-subscribers 10 cts. a line each insertion.

Wanted—A good salesman; single man preferred. Will furnish horse and buggy, designs and board and a good commission. J. M. De Long, North Baltimore, Ohio.

Wanted—A good, sober, all-around workman that can run a well-equipped shop. Steady position to the right man. References required. T. C. Brittain, Columbia, Tenn.

Wanted—Two good, sober granite cutters. Steady employment; 9-hour shop. W. L. Parker, Owosso, Mich.

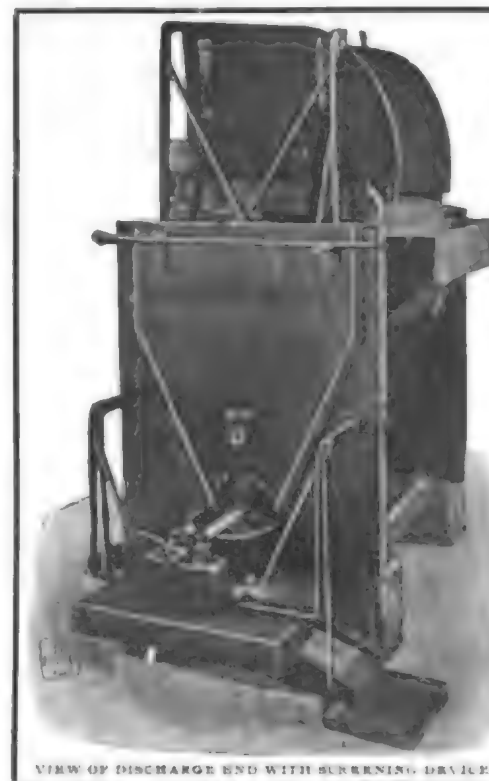
Wanted—A first-class monumental salesman for Eastern Ohio and Western Pennsylvania. Good salary to the right man. Warren, care Monumental News.

Wanted—Energetic retail salesman to canvass good territory; either liberal commission or take a profit interest in established business. Must understand handling country trade. Permanent position and good opening for reliable young man of pleasing manner who can influence customers and will hustle for business. References required. Country, care Monumental News.

Wanted—Letterer who can do tracing, and slab carving on Italian marble. James Gillen, Humboldt, Tenn.

I will furnish traveling cases filled with up-to-date designs and samples, and pay monthly salary of \$100.00 to an intelligent, honorable, middle-aged salesman of good address who will sell \$700.00 worth or more per month. Salesman to pay his own traveling expenses. Territory about 25 miles radius from my office; takes in cities and towns having about 300,000 residents, not including rural districts; situated in Northern Central New York. Address Salesman, care Monumental News.

Wanted—Every one in the trade to remember that the 15th anniversary number of The Monumental News will be issued January 1st, 1902, and will have an unusually large circulation. If you have any machinery or tools to sell, an advertisement on this page may find you a buyer. Send copy for your advertisement not later than the 20th. Advertisements inserted at 2 cents a word.



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Automatic Feed for Stone Saws.

Feeds the Pump its daily supply of sawing material.

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