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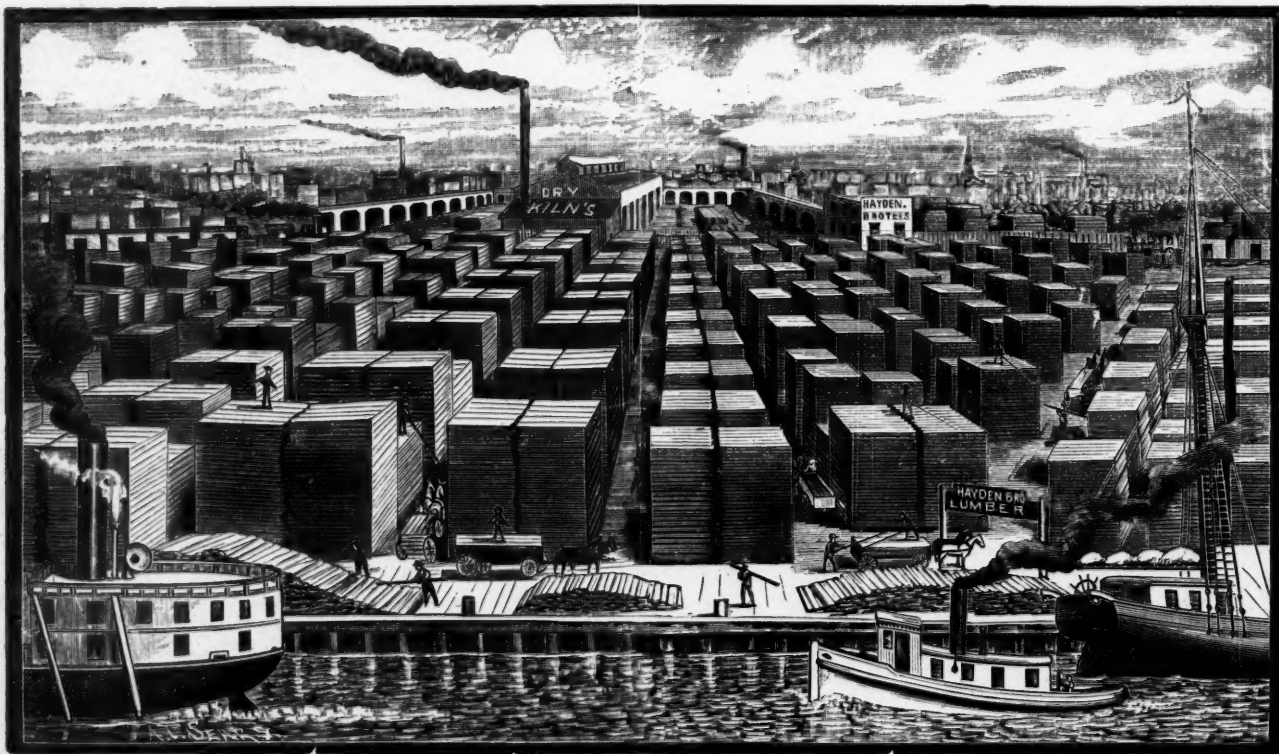
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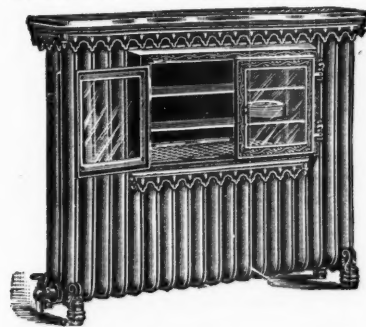
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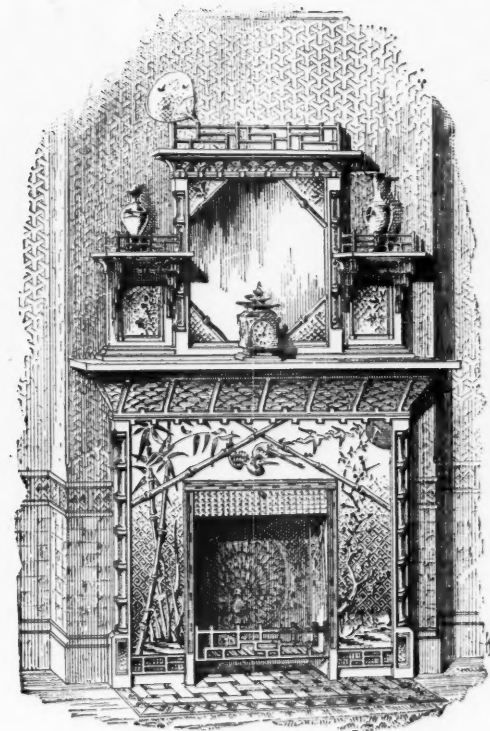
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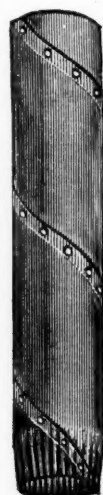
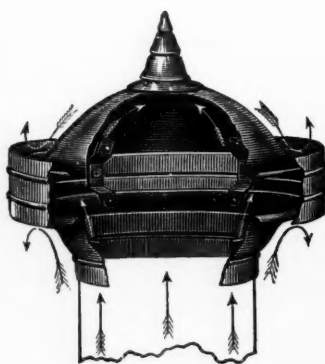
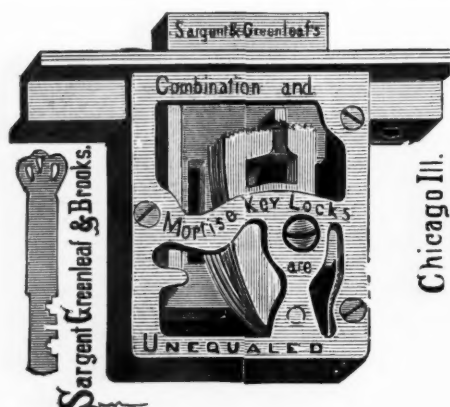
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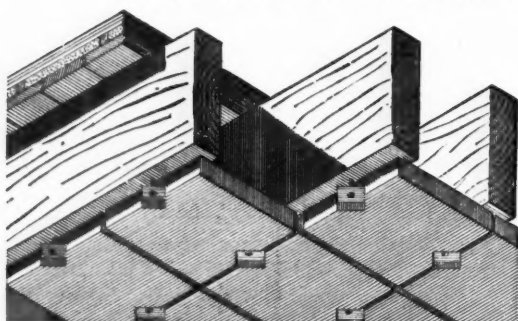
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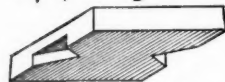
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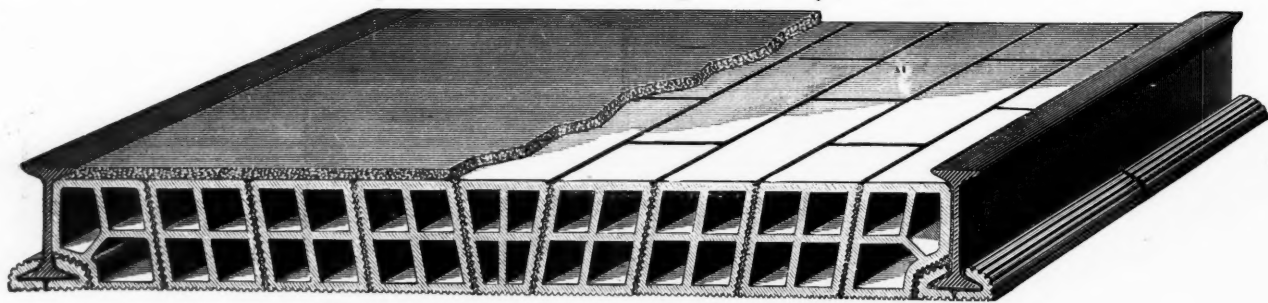
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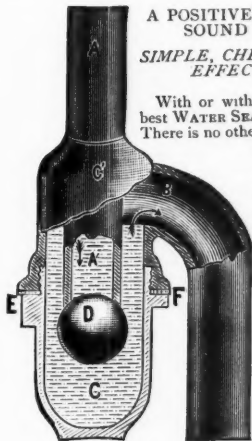
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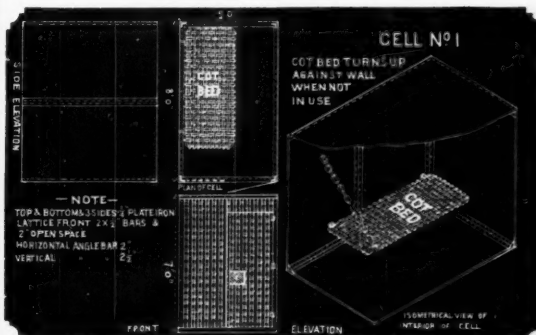
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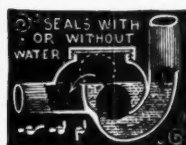
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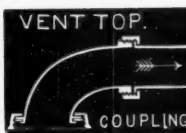
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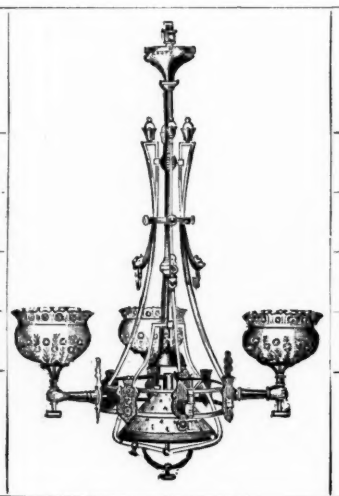
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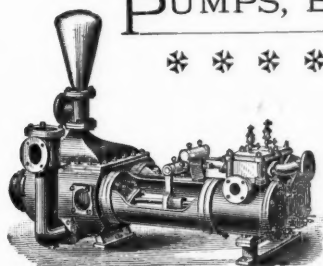
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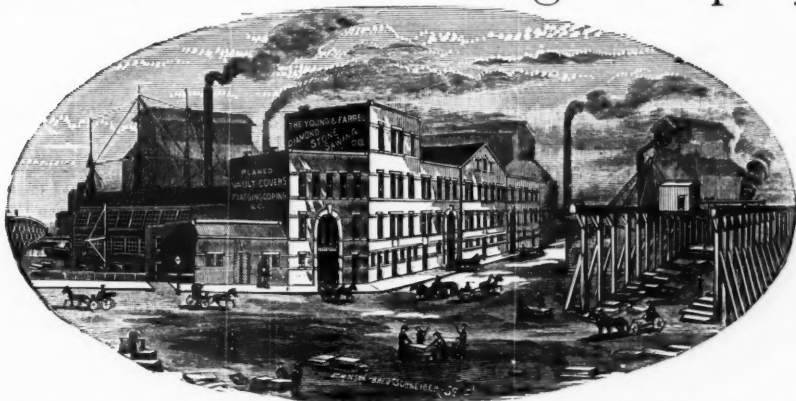
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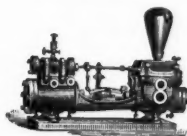
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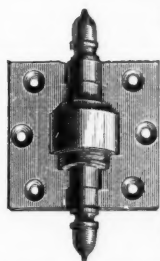
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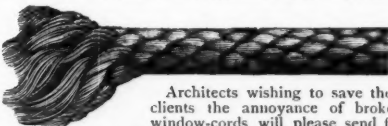
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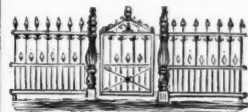
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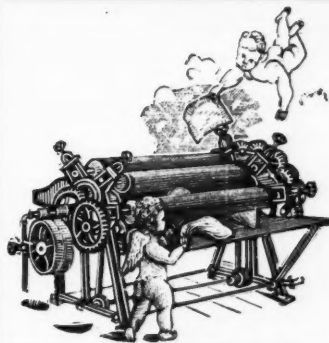
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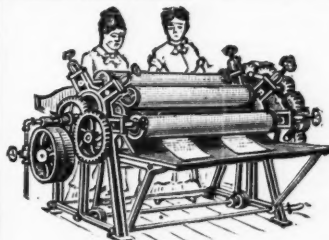
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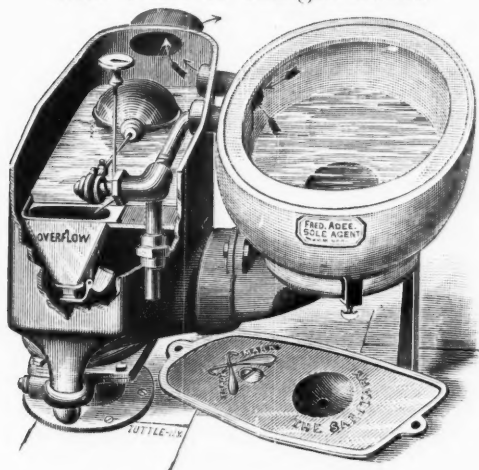


FIG. 1. STRAIGHT OUTLET.

With Painted or Enameled Reservoir.

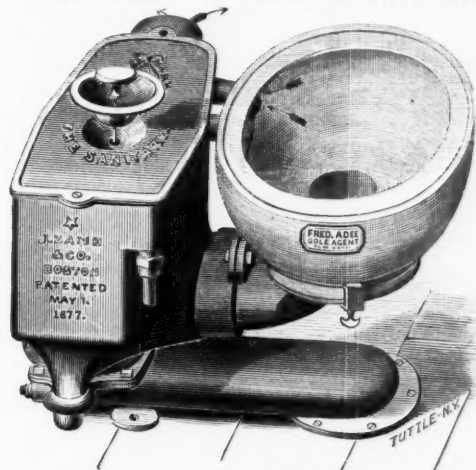


FIG. 2. WITH OFFSET.

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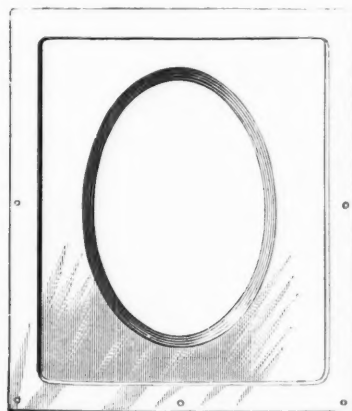
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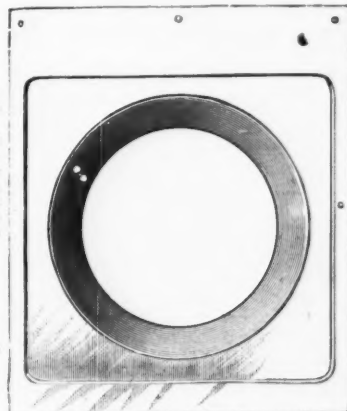
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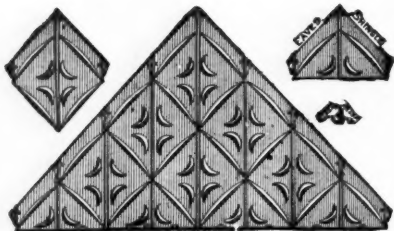
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Vol. V.

No. 3.

JUNE, 1883.

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THERE is one feature of THE INLAND ARCHITECT which, we think, merits a word of commendation to our readers, who may otherwise at times inadvertently fail to note its full value. We are not now angling for compliments on our editorials, nor on the papers of our special contributors, nor on our illustrations, valuable as we think them. We speak of our advertising pages. We are aware that there is not always the same entire novelty here as in the other columns. The same matter often re-appears, as it does not elsewhere, and its readers who have scanned the editorials, the special papers, the illustrations, or the news department, may lay it down, thinking they have finished it all because the rest is "only advertisements." But here, in these advertisements, it is that our readers obtain the latest and best information of the countless improvements and inventions relating to building in all its branches in which the present age is so fertile, new materials, what they are for and where to get them, new forms of old materials, their merits and makers, new modes of heating, lighting, fireproofing, ventilation, deafening, improvements in stone, in brick, in iron, in plaster, in painting, sanitary specialties, decoration in ornamental woods, in color, in plastic material, professional books and photographs. We do not see how an architect who slights these advertisements can keep up with the times in all these, to him most essential matters, and thus hold always at the service of his clients that expert knowledge of all that is latest and best in house building and

fitting, which they have a right to expect from him as a thoroughly equipped professional man. We could name an architect who took considerable care to keep a classified list of all advertisements which he thought might prove serviceable, and more than once found this record his sole dependence in an emergency. Whatever other portion of our paper he may be obliged to overlook, therefore, we think no practicing architect can afford to slight our advertisements. *Sapienti verbum satis.*

A MODEL architectural competition seems to have been that lately concluded in Leipsic, Germany, for the governmental judiciary buildings or law courts. From an interesting account in the Leipsic *Illustrirte Zeitung* we gather the following: The size of the building is approximately 100 by 130 meters, or about 325 by 422 feet. The programme was complicated and difficult, including session chambers for six or seven different courts, a large assembly hall, rotunda and stairway, reception rooms, consulting rooms, offices, etc., for a great number of chiefs and subordinates in each department, and finally a library to hold 150,000 volumes, with administration rooms, etc. The general conditions of the competition were unusually simple and fair, imposing the least possible restriction upon participants. They prescribed the number and size of drawings for each design and required a descriptive memoir with approximate estimate of cost. The limit of cost was not fixed but was left, very wisely we think, discretionary with the architects themselves. The committee of award consisted of six architects and five members of the judiciary. There was one prize of 8,000 marks, about \$2,000 of our money, two of 4,000 marks each, and two of 2,000 marks each, the premiated designs to belong to the government. The time allowed to competitors was nearly five months, another judicious feature! One hundred and nineteen designs were received, each embracing not less than ten sheets—nearly twelve hundred drawings in all. All were exhibited for two weeks in the winter garden hall of the Leipsic Crystal Palace, and attracted much public attention, as was natural in so important a competition and with such a cultured community.

IN the celebrated competition for the Paris Grand Opera, the winner of the first prize, Charles Garnier, was one of the youngest and least known of the contestants. Thus history repeated itself in the competition for the Leipsic law courts. The authors of the design placed first by the committee, proved to be two young men, Louis Hoffmann, of Darmstadt, and Peter Dybwad, of Berlin, neither of whom had ever executed any important work before, nor had either any experience except in a subordinate capacity in the superintendence of buildings designed by others. Hoffmann is thirty-two years old and Dybwad is thirty. Both had till recently been students in the Berlin School of Architecture, and had seen some service since in the offices of Berlin architects. We learn that the choice of the jury turned chiefly upon the superior merits of the plan, the completeness of its provision for all requirements and the convenience and practical excellence of its dispositions. So entirely satisfactory does it prove in these respects, that it is proposed to erect the buildings substantially according to the competition drawings, without material alteration. This is a remarkable success for two young architects such as Hoffmann and Dybwad. The exterior does not impress us as particularly

noteworthy. It is a remarkably simple specimen of the German Renaissance. A rusticated basement and first story, and two stories of wall above with plain, round headed windows, plain cornice parapet and a flat roof. An entrance in the center of each facade is emphasized by a plain, tetra-style pedimented portico with the usual trimmings of sculpture and acroteria above, all of the most unostentatious description. The exterior will be of sandstone, the interior of brick and terra-cotta, the construction fireproof, and the estimated cost 2,311,234 marks, nearly \$580,000.

"THERE are no charges against you; your place is wanted for another man," was the answer made by the supervising architect of the United States in reply to one of the thirty of the forty-nine government building superintendents removed during the past three months. There were no charges against him after thirty years of governmental service, ten of which were spent in the discharge of his onerous duties as superintendent and in charge of some of the worst constructed buildings any country has been burdened with, but "his place was wanted for another man." And no worse comment upon the evils that encompass the government construction in our country can be made than this. Surrounded by and wholly in the hands of politicians, the necessity for its complete separation from all political influence is calling loudly for an immediate reform. While the Stockslager bill would not wholly accomplish this, it would do much to elevate the standard of architecture and gradually place it in better and more honest hands than it can possibly enjoy while the verest politician has the power to dictate by whom the building of the country shall be conducted.

THE investigation, so-called, of Architect Clark of the Capitol at Washington, instigated by a class of men who did not like that gentleman's methods of protecting government interests, is a fair sample of the methods of politicians. After their witnesses had sworn that the stability of the dome had become impaired through the Architect's neglect, it was found this meant that it needed a coat of paint; and other charges equally ridiculous have been brought forward, while the person conducting the examination is the amanuensis of the assistant secretary of the interior department, who does not claim to know anything about stonework or architecture; the object being simply to find some excuse for Mr. Clark's removal. In this, like those removals at other points, notably at Chicago, the loss of the capable men in charge would leave the buildings in positive danger, as the removed superintendents are more familiar with the construction and condition of the buildings under their charge than any other superintendents could be for many years. We enter our most emphatic protest against such indiscriminate removals as those made, and urge that the Stockslager bill be speedily brought before congress for passage.

STRIKES very often develop ridiculous features that go further to show the folly of the general run of trades unions, as they now exist, than the most powerful and logical of arguments. A few weeks ago a leading stained glass manufacturing firm in Chicago employed a workman who did not belong to the union of workers in ornamental glass. Although this body only represented about one hundred and thirty of the twelve hundred odd men engaged in this line of manufacture in the city, the consequence was a "strike" of those employed by the firm. They formed a committee of the whole and visited the other shops. At the first they met with considerable success, the workmen belonging to the

union going out in answer to their demand, among them the secretary of the organization. At the next place, where a large number of the best workmen in the West were engaged, they were told that they would not stop work until a meeting of the union was called and the matter looked into. At another place but five of the workmen were members; and these left at different times during the day, each making an excuse of sickness or business to explain his absence, and the first intimation the proprietor had of the "strike" was by seeing his name in the morning papers. The next day the strikers found that the stained glass firms would not employ a member of the union; and the final result was its complete dissolution and the retaining of the best hands, who went to work at lower wages than they had been receiving. This "union" was organized and conducted by men who could not command high wages, and the result is the employment of a better class of workmen, who retain their places wholly on their individual merits. This is the common standing of trades unions as they now exist; though it is unfortunately not the usual result of strikes, which are, in nine cases out of ten, just as senseless as that of the Chicago stained glass workers.

IN Mr. John W. Root's paper on architectural ornamentation in our Mid-Spring issue he justly characterizes as "word mongers" the Clarence Cook order of popular essayists who perceive nothing more weighty in architecture than caprice and sentiment, and consider a roving fancy and a fluent pen ample qualification for the profession of architectural critic. We may be thankful, no doubt, that such critics are content with writing and their disciples with reading. Should these writers once lay hold of pencil and T square and set out to make plans, elevations and working details in accord with their doctrines, and find mechanics to execute them, or try to, we should expect for once to refute Solomon's proverb that there is nothing new under the sun. It is to be regretted that architects qualified by experience and knowledge to instruct the public in architectural matters are generally too busy with the pencil to take up the pen, and so this important service is left to essayists whose crude notions are undisciplined by practical considerations. Unfortunately we cannot always have things in this world as we would like, at least not "out west."

AREACTION has set in which will result in a vast benefit to, as well as improvement in American art. It is indicated by the attention which a few great paintings by American artists have attracted, and the gradual decline in that class of foreign paintings that have little but a great name and a famous dealer to recommend them. In the West this feeling, which is gradually growing into a positive force, indicates a progression and refinement among the people that has all the cultivation without the narrowness made by tradition and usage that still holds sway in the East and holds everything common unless it bears the foreign stamp. In Chicago, which, though that city does not represent the culture of the West, for she is a commercial city rather than artistic, an effort will soon be made by a leading connoisseur to test this movement by placing upon exhibition, and subsequently for sale the best American pictures by the best American painters. It is certainly a brave step, but is a true one; and will bring the artist and the public into closer relations, for the pictures will have none of the glamour of a foreign name to recommend them, and will be judged solely on their merits. In other departments of art this movement toward securing the best with a preference for that which is nearest home is gaining ground, particularly in the line of house

decoration. The people realize that when they give their houses into the hands of the eastern artist with a great name that western workmen in too many cases carry out the designs; and that the home artist with his talents and reputation to preserve, is much more valuable than he whose name is already celebrated, and whose work is blindly accepted as good because some good work has been accomplished by him in the past.

AN interesting event to art amateurs was the competition just closed in St. Louis for original designs for cover pages to the art catalogues for the second season of the St. Louis exposition, which will open next September. About two dozen drawings were received, nearly one half of which were by ladies. With scarcely an exception the designs are of a high order of merit, and the collection, which was exhibited for some weeks in one of the art stores, revealed an unexpected development of original art in that city. A unique feature was a design modeled in plaster and then photographed. The first prize was awarded to Mr. W. S. Eames, architect, of St. Louis, which we note as showing that architects in that city hold their own well even among professional artists.

Hints on Building.

BY J. H. CARPENTER, A. & C. E.

ARTICLE IV.—FOUNDATION WALLS.

MAKING foundations, as may be supposed from the precautions suggested, is a serious matter, and to explain the experience obtained by continued trial would fill a volume; therefore, to be brief, we would suggest as a fixed principle that persons trust to no part of the foundation being right which is not carefully made so; it being remembered also that parts of the foundation being too solid, or more solid than the rest, is the greater enemy to contend with, and ruins the greater part of structural work erected.

Precautions must be used at every step, and common errors avoided. For instance, large boulders are sometimes found well imbedded and in place to build upon, and it is a grave error to use them, as they produce unequal settlement. They should be hauled out and broken up, no matter how troublesome the job may be. It seems to be a common thing for builders to suppose lateral pressure of the banks of earth are going to help hold the buildings up, and when the bank is loosened away the owner pays dearly for his experience. Let it be well remembered then that to build right the foundation walls must be sufficient of themselves for the purpose of holding the building, and to do this broad footings must be prepared which are in proportion to the sustaining capacity of the soil that squashing out of the soil may not occur.

Concrete Footings are formed of broken stone, gravel, sand, and cement with sufficient water to tamp the whole mass to a solid consistency. A great amount of writing is done to show the value of certain measures of broken stone, which are of restricted sizes, and the amount of sand, cement, etc., required, but this does not explain the subject so that the theory practically suits the kind of ingredients used. The stone, for instance, if a hard, brittle kind, breaks well, unites with the sharp sand and gravel, with good cement as a matrix, and stands the severest tests; but hard stone that does not crush well requires more cement and also to be formed in a thicker body of concrete than the other to give the same results. The stone may be just right and the sand or gravel may be wrong, and if so the amount of cement must be increased, and again the cohesive power of the cement varies, and discrimination must be used more carefully with it than the other materials, which may be a mixture of broken stone, brick, and other debris, sand and gravel, while the cement being good must be apportioned to its cohesive power with the material used. If the cement is not the strongest, but the best that can be obtained, it must be used freely. No fixed rules seem to apply practically to the varied material, and the best practice is to make up cubes of the material and test it, using that proportion which stands the best.

Concrete for footings is gaining in favor and should be used liberally and of good thickness. But, it may be used too freely, and by reason of misuse prove dangerous to the superstructure. Our attention was called to a building which had been lavishly prepared for any possible contingency. The owner had covered the whole area of the lot with a bed of concrete, walls were built, piers set, and the building settled to place, the result was the large surfaces between the walls had bulged up because of

the unequal distribution of weight, causing the footings to assume very dangerous angles for the foundation walls, and in other places the pieces had cracked or broken off. Our observation demonstrates that, as a rule, concrete footings must be apportioned to the weights upon them and the capacity of the soil, same as other kinds of material, though, we believe, additional thickness is a greater benefit in proportion to the amount used commonly, not made thicker in the layer used but by the number of layers.

Footings of dimension stone are at present time most commonly used where dimension stone can be obtained, in one or more layers, all well bedded in cement, using cement mortar on the earth bottom, that the bearings may become solid and perfect. The first course of dimension stone, when used for footings, is at least twice the width of the walls they carry, and of greater width, if necessary. The number of courses required depends on the thickness of the stone. The difference in width of each course must not exceed the thickness of the course under it, on each side, so that the line of bearing at forty-five degrees is maintained, and if less difference in width of the courses is used, the foundations are rendered more secure against possibilities.

Footings of coursed work are frequently used, and great care is taken in bonding and breaking joints, and grouting with liquid cement mortar, that the whole may become homogeneous. The difference in the courses also depends upon the thickness and size of the stone used, the next upper course bearing or bedding least upon two-thirds of surface of the stones under it. It is also customary to extend the footings well out, and the difference in cost admits of considerable latitude.

Footings of rubble work, which is simply the widening out the base of the ordinary wall to twice its thickness, and tapering the courses in. When rubble stone is to be used, the flat, good shaped stone are selected for the footings. We prefer using the sizes weighing from one hundred to one hundred and fifty pounds, as they are more easily handled and bedded into place. This kind of footing is used for general run of small buildings and residences, where the weights are ordinary, and not subject to vibration of machinery. In some sections of the country no other stone is obtainable, and there the masons, from constant practice, become very proficient in making excellent, strong walls.

Footings of brick, if used, must be built with great care, to bond and bed the brick properly. The outside work for the projections must be all headers, and the difference in projection must not exceed one-quarter the length of the brick used. Where more bond is required in the brickwork, the courses may be doubled, the stretcher course below, and heading course above. The bottom course should always be a double one.

The bricks should be the hardest that can be made in the kiln, and it is a common thing to use the arch brick that are in good shape, rejecting twisted ones.

The construction of footings is accomplished in two general ways; the first is by continuous courses, of different widths, to suit the inequality of superincumbent weights, and the second is by the construction of isolated piers. When the first method is used in buildings, it is presumed that the weights are evenly distributed over the entire length of the walls, and, if inequalities occur, they are in long masses.

But should the weight be in short masses, to allow for openings, then the foundation footings are laid in reference to them, that they may have all the bearing it is possible to give them, and that the bearing shall be nearly equal on all sides. This system gives rise to the system of isolated piers, each pier calculated to bear just the weight applied directly to it, and suited to the soil directly under it. This system is the most scientific, and in the lofty structures now building has proved the most positive in results.

In the use of continuous foundations the principal corners have the most weight or greater stress, as the weights of fronts are concentrated, then by the girders, and they give way first, and the use of the piers becomes necessary where this is likely to occur.

In the use of the system of piers there occurs sometimes a number of small, intermediate piers, which will not adjust themselves to a surety in the spaces between, and if so adjusted, they are subject to disturbance by the rising of the earth between the large piers. In such cases, rather than build separate bases for them, it is better to adjust them on arches, or on methods of support which will throw the weight on the large piers.

The several kinds of footings are used in combination often for the purpose of accommodating the kinds of stone at hand, and more often because the architect feels that the material as used is best adapted to his purpose.

Their relative strength depends upon the care which is used in building the footings. Our practice is in general to use a bed of concrete first, even if dimension stone is to constitute the principal footings, because if in a thick layer it equalizes the pressures, and if used in a thin layer because it beds the stone properly and guarantees the stone for all it is worth as a factor.

(To be continued.)

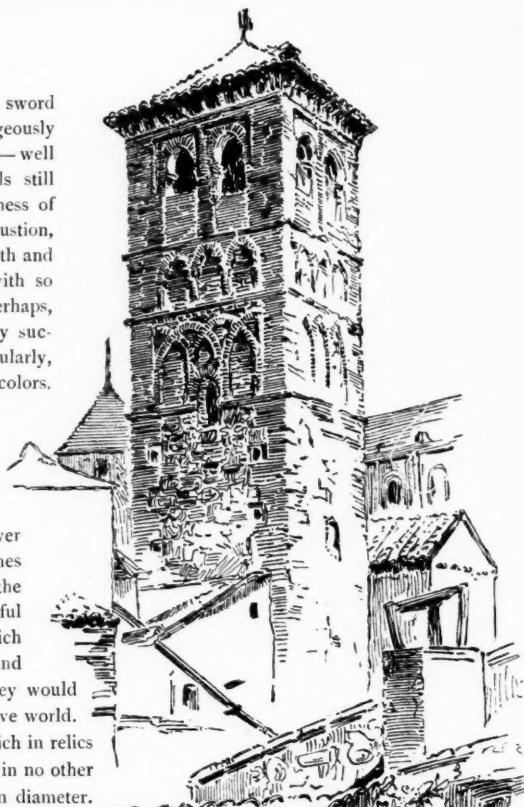
European Sketches.

BY IRVING K. FOND.

PART V—TOLEDO AND THE ESCURIAL.

TOLEDO is the oldest city in Spain. Soon after the great flood it took up its sword to fight its battle for existence, and having cut its way keenly and courageously through the centuries, it has settled itself on its hilltops, exceeding exhausted—well nigh lifeless. Although in the valley the forges are yet glowing, and the anvils still ringing, and blades are being fashioned and tempered with all the skill and fineness of former times, up on the hilltops the city sleeps the restless, unrefreshing sleep of exhaustion, wrapped in a mantle which has been patched time and again by Jew and Gentile, Goth and Arab, Moslem and Christian. Perhaps no other single city has ever been blessed with so many discordant races tearing away at its political and social garments; and so, perhaps, no other city has been under the necessity of having its garments repaired by so many successive successful despoilers. But it is with the repairs on the architectural mantle, particularly, that we have to do, and we find presented for our inspection a veritable coat of many colors.

The largest and most brilliant piece of work is the Cathedral, which was started in the 13th century, and brought to its present state of completion (or rather incompleteness, for one of the towers is still unfinished) some time in the 16th century. The Gothic interior is very pure in style, but in the exterior, especially in the western facade, the style leans perceptibly toward the Spanish Renaissance. In fact, the tendency of the later builders was so strongly toward the classic, as to induce them to cover the unfinished tower with a renaissance dome of comparative purity. I have sometimes wondered what good fortune led the builders to stop where they did, and not to carry up the tower to the height of the other, and cap it with a renaissance belfry. There is a delightful feeling of spunkiness and self-conceit in that single tall tower, with its spiked spire, which seems to defy the elements and keep other towers at bay. I like the spirit of this tower, and I am certain that if the inhabitants of the slumbering city at its base appreciated it, they would rouse themselves, take up their swords, and again make themselves a power in the active world. The city is an ecclesiastical center, and its church does not slumber. The Cathedral is rich in relics and in art treasures, while the quantity and artistic quality of its stained glass is surpassed in no other church in the world. The roof rests on eighty-four piers, which average twelve feet in diameter.



The choir, as is generally the case in the Gothic churches of Spain, is in the center, and is exquisitely carved in marble. In the rear of the high altar is a marvelous piece

of sculpture, ninety feet in height, and costing over \$1,200,000. It is the largest piece of sculpture ever executed by one man. Disposed, as it is, between great architectural features, it does not impress one with the immense amount of thought and labor bestowed upon it. The numerous chapels are beautifully decorated, and certain of the sculptured monuments are exquisite.

Toledo is rich in churches; the most beautiful of the smaller being that of San Juan de los Reyes. The Gothic sculpture—figure and foliage, in the cloister of this church, has never been surpassed. The cloisters (now being restored) are in quite a ruinous condition, which, perhaps, does not detract from the beauty, and the sun never smiled on a lovelier picture of the combined work of man and time than that spot presented on the day I visited it. The stone traceries and foliage were softened and richly colored by age and exposure, and luxuriant climbing vines—woodbine and ivy crept in and out among the carved shafts and figures, and embracing their stony sister-vines, sought to kiss and coax them into life. And through the masses of loving, fluttering leafage, the bright sun sifted, seeking and bringing out warm colors from the cold stone walls behind. Unlike that of the Moorish neighbor, the beauty here is more than skin deep, and the hard usage the church has received, serving now as a stable and again as a military barrack, has tended rather to heighten than to detract from its picturesque loveliness.

The old Arabian gates and walls remain, some of them in fairly good state of preservation, some of them disordered heaps of brick and stone. Here and there Arabian towers stand out boldly above the surrounding house-tops, fine in mass and brilliant in color, with each brick and stone exhibiting a marked individuality in color and in form. These towers, though so simple in design and common in material, are exceedingly attractive features in the landscape,



and often loom up at a turn in one of the narrow streets, giving much the character and feeling of an out-of-the-way alley in Venice.

Ever since the founding of the city, the Jews have been social and political factors of greater or less importance, and there remain today two examples of their architecture, which are quaint and peculiarly individual. The larger of these is the now dismantled Santa Maria la Blanca. Its walls are perfectly white at present. Probably in former times color was used on them, but now thick whitewash covers all signs of decoration, and gives the synagogue its name; at least, that is the presumption. The style is unique; now and then a hint of Arabia, now and then a suggestion lent by the eastern empire. The capitals are all curiously worked, and vary each from the other in design.

We have now caught a glimpse of the patches put on Toledo's architectural mantle by the newest and oldest inhabitant, and we will wander down a dark, narrow street, over the massive masonry bridge of San Martino, down into the valley, and leave the city to sleep till an earthquake or Gabriel's horn shall startle it.

THE ESCURIAL.

The Escorial, in the Escorial village, not many miles from Madrid, finds place in our thoughts just here, because, perhaps, it so strikingly contrasts with anything Toledo has shown us. An immense granite building, 740 feet in length by 580 feet in breadth, in a severe renaissance style, commenced in 1563 and completed in twenty-one years; started by Philip II, in fulfillment of a vow, as a temple to Saint Lawrence, and finished by Philips III and IV, as a royal tomb and a royal palace; such is the why and wherefore of the Escorial. The chapel is rich in material, magnificent in size, strong and simple in design, has no lightness of detail, and is the grandest architectural work in Spain.

Below the high altar is the Panteon, where rest the mortal remains of nearly all the Spanish kings. This chamber is octagonal in plan and in the side walls are niches containing the sarcophagi. The materials used in the construction are precious marbles, jasper, porphyry and malachite.

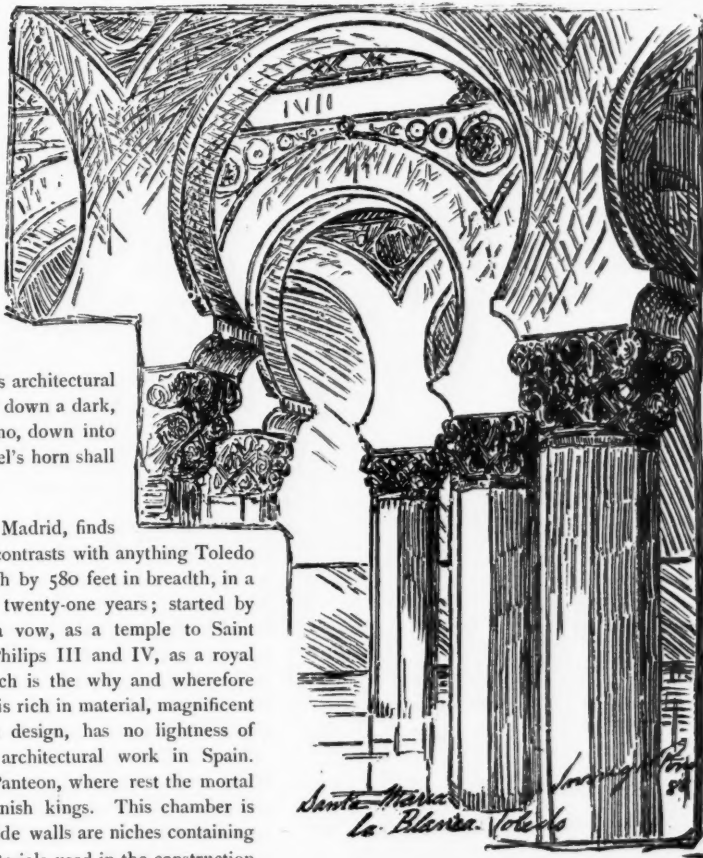
As to the private apartments, they are thoroughly in keeping with the remainder of the work. The cost of the four small chambers of the queen's suite was about \$1,500,000. The woodwork throughout is inlaid, the walls are hung with rare tapestry, and the ceilings were frescoed by the greatest masters of the time. There are in all thirty-three chambers, descriptions of which here would be superfluous.

But in spite of all the richness and magnificence, I cannot imagine a more desolate abiding place than the Escorial and its little dead (not sleeping) village in that uninteresting valley between the hard, stern mountains—perhaps a happy location for a royal tomb, but a very unhappy one for a royal dwelling; and I believe the royal families have found it so, and go there as sight-seers do, to gaze on the grand architecture, the tapestries, the paintings by Murillo, Rubens, Raphael and Guido, which are practically buried along with the Spanish kings.

The Yellowstone Paint Pots.

FRANCES LEBARON, COR. PHILADELPHIA PRESS.

LEAVING the Minute Man, and pushing on a few miles, we were induced, in obedience to a finger-post, to make a detour to the left, of about half a mile, and visit the "Paint Pots." These are situated in a pretty piece of fir timber, the approach of the pedestrian being over a sward of soft, green moss and ferns, as picturesque as any spot on the Wissahickon. The guide-book (evidently written by a tourist in a hurry), slights this exquisite bit of nature with the paragraph, "The Paint Pots are very fine, and of different colors." I should think they were very fine. Let me try to describe them. From the base of a little hill spout three or four tiny fountains of hot water, and this water brings with it a variety of minerals in solution, which it deposits upon the half-acre upon which it thinly and slowly distributes itself. With a piece of stick I transferred from these little streams to a visiting card fifteen distinct and separate colors of brilliant hue, intending to carry them home with me, but, unfortunately, exposure to the air converted them to powder, and they disappeared, leaving nothing but a few stains upon the pasteboard. They consisted of vermilion, lake, pomegranate, brick-red, crushed cherry, pink, white, madder-brown, purple, café au lait, green, orange, yellow, straw, and mauve. Of blue I could not find a trace, and yet nature, apparently aware of the omission, had filled the basins of these miniature geysers with water so clear that the reflection of the heavens gave them a beautiful azure tint. To me this was one of the choicest treats of my visit, but, as I said before, I had no notion of the effects which could be produced by coloring until then.



Association Notes.

MINNEAPOLIS ASSOCIATION.

A special meeting of the Architectural Association, of Minnesota, was held on the 19th ult., at the office of H. S. Treherne, in response to a call by E. P. Bassford. The main object of the meeting was to take action in regard to statements published in a daily paper, alleged to have been made by building inspector Johnson, denunciatory of architects.

Mr. Johnson stated, in explanation, that he had been incorrectly reported; that he knew there were good men among the profession in St. Paul, and he had never declared that the St. Paul architects were incompetent. He admitted saying that some young men, good draughtsmen, did not know anything about materials or construction when they first started out for themselves as architects. Mr. Johnson apologized to the association and the profession at large for the damaging and unjust assertions attributed to him, and said he was very sorry they had appeared.

Mr. Stevens stated that the mischief was done; that the architects of the city had been classed as ignorant and incompetent by the building inspector; that what Mr. Johnson publicly said must be true, as he was in a position to know; and that a great injustice had been done to the city in general, and the architects in particular. He, therefore, thought that the denial of Mr. Johnson should be made as public as possible, and should appear in the columns of the paper that had circulated the statement.

After considerable discussion, the resolution, "that Mr. Johnson, as building inspector and honorary member of this association, be considered exonerated, provided he gives the necessary explanation in the paper publishing the remarks attributed to him," was moved and carried.

The association took no action concerning the report of the building inspector upon the school buildings of St. Paul, considering the matter a personal affair, not affecting the association as a body.

A resolution, presented by Mr. Bassford, was then carried, to the effect that a committee be appointed to collect a fund, to be presented to the secretary, in appreciation of his labors in the interests of the association. Messrs. Stevens and Gauger, of St. Paul, and Orff and Goodwin, of Minneapolis, were nominated such committee, and Mr. Bassford headed the list with fifty dollars.

Those present were, Messrs. Bassford, Bergman, Castner, Gauger, Isaac Hodgson, E. J. Hodgson, Ife, Laird, Millard, Orff, Stevens, Treherne, Ulrici, Wilson, and building inspector Johnson.

KANSAS CITY ASSOCIATION.

Because of the many extra and imperative duties devolving upon architects on Saturday, such as the making out of pay rolls, granting certificates and estimates, etc., the society have changed the day of meeting to Monday of each week instead of Saturday.

ILLINOIS ASSOCIATION.

At the regular monthly meeting it was expected that a number of property owners, interested in building, would be present, but through some misunderstanding they failed to attend. The time was taken up by discussion upon different topics, and the following letter, received from an expected guest, was touched upon, but a general discussion postponed until the next meeting, for which a committee was appointed to secure the presence of a number of prominent citizens. Mr. Crane's letter read as follows:

CHICAGO, June 3, 1885.

Mr. W. W. Boyington, Architect, President I. S. A. A., Chicago, Ill.:
DEAR SIR,—Your favor of the 27th ult. is received, inviting me to attend a meeting of the Association of Architects, on the 6th inst., at which the relation of architects to contractors and proprietors is to be considered.

I shall not be in the city at the time, which I regret; but in regard to the subject would say that I take it that there is not a clear understanding of these relations. My theory of the case has always been that the relations are as follows:

In architects, making contracts, the relation of the architect is entirely on the side of the proprietor; but when the contract is made, the relations are somewhat different. While he is to see that the owner gets all he contracts for, I have always felt that it is his duty to act as a disinterested arbitrator in any question of dispute, as the contractor is wholly in the architect's hands, according to custom. I contend that it is his duty, as an architect, to see that the contractor is not required to do anything beyond what a reasonable interpretation of the contract would require; that is, he is not to act wholly in the interest of the proprietor. In my twenty-five years of experience in contracting, through architects, I have always understood that to be their position, and I never heard there was any misunderstanding of this relation; but perhaps it is not understood as well as it ought to be by proprietors, and if that is the case, I would suggest that architects have it clearly understood. In my experience I have had very little occasion to complain of my treatment in this respect, and I apprehend there would be no trouble at any time between contractors and architects in settling questions, if it were possible, in all cases, to make specifications absolutely clear; but I realize that this is an exceedingly difficult matter to do in regard to many lines of trade, especially such as steam fitting and plumbing, as there are so many different ways of doing work, and such a great difference in the quality of a great deal of material that enters into the contract. This trouble grows out largely in adopting any standard of goods to be used, without making yourself liable to be accused of favoritism, or of being imposed upon by the manufacturers of any particular line of goods that might be specified as standards. But as you don't expect a lecture from me on this subject, I think this will answer for the present, at least.

Yours respectfully,

R. T. CRANE.

The next meeting promises to be exceedingly interesting, as the committee have already received assurances from several gentlemen to be present. The meeting will occur on the last Saturday in June, the 27th instant.

MASTER PLUMBERS' ASSOCIATION.

The annual meeting of the Master Plumbers' Association, of Chicago, convened on the 3d instant, President Baggot in the chair.

Mr. Hamblin, chairman of the committee of membership, reported that he had the names of one hundred and twenty-five apprentices, with the certificates of the time they had served, from their employers. All the facts regarding them were at the service of any master plumber of the association. The chairman of the library committee, Alex. H. Murray, reported a most complete collection of books on sanitary subjects. Many donations had come from non-members, indicating the high appreciation in which the association was held by the public. There were five hundred and nineteen books on the shelves which, with a considerable number ordered from England, would complete the library of sanitary works. A catalogue had been printed, together with borrowers' blanks, and the library was ready for the use of members. As a financial report Mr. Murray

stated that \$1,000 in cash donations had been received, \$860 expended, \$265 of which had been used in furnishing the library, leaving a balance in hand of \$139.38.

The following communication was presented by the secretary:

CHICAGO, May 30, 1885.

A. W. Murray, Librarian Chicago Master Plumbers' Association:

SIR,—Being unexpectedly and agreeably surprised on last Wednesday night by being declared the winner of the prize essay, and thereby receiving the prize of \$25, which our worthy president very generously offered for that purpose, and believing that our library may well be the beneficiary of such friendly contests, I hereby hand you a check for \$50, to be used for library purposes, and beg to remain,

Yours truly,

MARTIN MOYLAN.

Mr. Ruh moved that a vote of thanks be given to Mr. Moylan, the first plumber who had individually contributed to the support of the library, and the motion was unanimously carried.

Thanks were voted to George R. Davis, ex-member of congress, for documents.

President Baggot thanked his brother officers for their fidelity and efficiency during the past year, in a well worded speech.

Financial Secretary Hamblin followed with his report for the year. It gave a showing of: Cash on hand June 1, 1884, \$319.81; initiations received, \$70; dues received, \$2,461.73; miscellaneous, \$45; total, \$2,896.54. There had been paid out during the year,—per capita tax, \$360; charity, \$100; library, \$50; rent, \$705, etc., making a total of \$2,072.27, leaving a balance on hand of \$824.27. Mr. Hamblin congratulated the association on being out of debt and having a handsome surplus on hand.

The election of officers for the ensuing year being in order, Messrs. Clark, McGraw and Kelly were appointed tellers. P. Nacey was nominated for president by Mr. Young, Alex. Murray by Mr. Moylan, Mr. T. C. Boyd by Mr. Harvey, Mr. Nacey withdrawing his name. Mr. Boyd received 28 votes and A. W. Murray 11. Mr. Boyd's election was made unanimous. The other officers elected were: Vice-presidents, Robert Griffith, Thomas Harvey, Peter Willens, Rupert Coleman and William Bowden; recording secretary, James E. Beaver; corresponding secretary, J. J. Clark; financial secretary and treasurer, J. J. Hamblin; sergeant at-arms, George Tipple.

After a vote of thanks to the press for faithful reports of meetings, and the motion by Mr. Baggot that the present committees continue in office until after the National Convention at St. Louis on the 23d, the meeting adjourned.

Correspondence.

Editors Inland Architect and Builder:

There is a firm in your city who heat buildings with hot water, but I cannot find it among the advertisements in the INLAND ARCHITECT, and the firm's name I forget. Will you please advise with that firm, requesting them to correspond with me, as I have occasion to employ them, and oblige.

Yours truly, D. ENGLEBERT, Architect,

163 Griswold street, Detroit, Michigan.

[There are several systems of hot-water heating in use. That of Baker, Smith & Company has been used to a considerable extent, both east and west.—EDITORS INLAND ARCHITECT AND BUILDER.]

The following letter was sent to the St. Paul Pioneer Press by the subscribed architects:

To the Editor:

ST. PAUL, May 20, 1885.

At a meeting of the Architectural Association of Minnesota, held yesterday, Mr. Johnson, the building inspector, was called upon for an explanation and retraction of his sweeping derogatory statements regarding the professional ability of the architects of St. Paul. His retraction and explanation appears in this morning's Pioneer Press, qualified, however, by the statement that he meant the young architects of the city; and, therefore, should read that "not one out of twenty of the young architects knows anything about brick, mortar, stone, etc." As being among the younger architects in this city, we take public exception to this statement—a statement which is unwarranted, false and libelous in its nature. We call upon Mr. Johnson to name the men he refers to as among the "young architects," or to publicly state that he does not consider as included in his denunciation; to point out a single instance in any one of the buildings erected under the supervision of any one of the undersigned which is in violation of the building ordinances, or which is in itself an improper or unsuitable piece of construction; or to show any just cause or reason for his statement. He has made a broad denunciation of our profession which he has since qualified by throwing the burden of it on the younger men; and which, coming from a public officer supposed to know, affects the professional standing of each of us as business men of this city, and which, as such, is injurious to our interests. It is only fair that a public explanation of these statements be made, and that they be proven or fully retracted, as justice demands. Respectfully,

CASS GILBERT,

JAMES K. TAYLOR,

CLARENCE H. JOHNSON.

[Building inspectors in the employ of city corporations are often good superintendents of work and practical men, but the charges against architects made by this one would indicate a recklessness of statement that no man of ability, much less one who occupies an official position, should be guilty of. He has evidently taken individual cases, which likely enough exist, and applied them to the profession in general, and it would seem a

mistake on the part of the state association to retain his name upon the roll of membership if no stronger support can be found for his assertions than placing them upon the shoulders of the younger members of the profession, especially as more than one half the active members of the profession in the West belong to this class, some of them having already acquired a national reputation. An assertion such as Mr. Johnson is alleged to have made is under the circumstances unqualifiedly bad.—EDITORS, INLAND ARCHITECT AND BUILDER.]

Our Illustrations.

Competitive designs for hall mantel, Chicago Architectural Sketch Club: First prize, design by Harry Lawrie; second prize, design by J. H. Carpenter; initiation sketch by R. L. Williamson.

Residence for John C. Peters, Esq., by Wing & Mahurin, architects, Fort Wayne, Indiana, is now in course of construction, of common brick, with Michigan sandstone trimmings, rock faced. It is 40 by 62 feet, finished in hardwood throughout, front hall, red oak, is heated with steam, and cost about \$8,000.

Residence for W. G. Sloan, Esq., at Peoria, Illinois, by F. M. Ellis, architect, Marshalltown, Iowa, perspective, elevations and view of reception hall and staircase. The house is picturesquely located on a bluff one hundred and fifty feet above the city, and will, when finished, contain one of the finest finished interiors to be found in the West. It will be lighted by electricity.

Residence for Mr. Sayers; James Sims Trowbridge, architect, Cincinnati, Ohio. The materials used for foundations and underpinning, Blue Hill limestone. Weather-boarding for first, and shingles for second stories, all to be oiled, while outside finish in general will be painted a dark color. Virginia black slate for roof, and rough cast plaster, with pebble dashing, for gables. The interior is finished in white pine of first quality throughout, and finished with shellac and varnish; cherry staircase. The rooms are all made to carpet sizes, the dimensions of which are figured on plans. The contract price of the house was \$3,900; Mr. Hornbrook was the contractor.

Residence for T. R. Riddle, Esq., by Chas. K. Ramsey, architect, St. Louis, Missouri. The residence of Mr. Riddle is on one of the best improved streets of the city, in the new western district. The building walls in the basement are made of native limestone dressed in a neat manner. The walls above the basement are composed of the best pressed brick and ornamented with terra-cotta. The roof is of slate. The interior of the house is handsomely arranged in the latest manner. The main stair hall is wide, and a cosy reception-room is placed just in front of the stairway. The parlor, library and dining-room are all so arranged as to be connected in one grand suite. The finish and all the fittings of the house are first-class in every department.

Mosaics.

THE New Chicago Opera House has been placed in the hands of Almini, the fresco artist, and it is expected that the result will be one of the finest theater interiors in the country. This is the only fireproof theater in Chicago, and as such deserves a costly, artistic and permanent decoration.

AMONG the important business enterprises inaugurated in Chicago this year are the extensive works of Chicago Safe & Lock Co., for the manufacture of safes, vaults, time locks and depository work. The many improvements in their products are the inventions of Henry Gross, the mechanical director of the company. The capital stock of the company is \$200,000, all held by Chicago capitalists. The officers are the Hon. B. H. Campbell, President; J. C. Polley, Vice-President; A. S. Campbell, Secretary and Treasurer; C. N. Brisco, Supt. of Agencies; Henry Gross, Mechanical Director, and J. T. Hough, Supt. The affairs of the company are in the hands of men of large experience in the safe business. The selection of Mr. Brisco for Supt. of Agencies is a wise one, as he combines high executive ability with long experience in the business and an extended acquaintance throughout the country. The company have recently received the order to thoroughly equip the new City Hall at Grand Rapids, Mich., with fire and burglar proof work of their manufacture.

COLORADO has become famous for its marvelous gold and silver production, for its picturesque scenery, and its delightful climate. Its mining towns and camps, its massive mountains, with their beautiful green-verdured valleys, lofty snow-capped peaks and awe-inspiring cañons, together with its hot and cold mineral springs and baths, and its healthful climate, are attracting, in greater number each year, tourists, invalids, pleasure and business seekers from all parts of the world. At each of the prominent Colorado resorts are spacious hotels so completely appointed that every appreciable comfort and luxury are bestowed upon their patrons. The journey, from Chicago, Peoria or St. Louis and other Chicago, Burlington & Quincy R. R. stations to Denver (the great distributing point for Colorado), if made over the Burlington Route (C. B. & Q. R. R.), will be as pleasant and gratifying as it is possible for a railroad trip to be. It is the only line with its own track between the great lakes and the Rocky mountains, and the only line running every day in the year through trains between Chicago, Peoria or St. Louis and Denver. It also runs through daily trains between Kansas City and Denver. These through trains are elegantly equipped with all the modern improvements, and ride you over a track that is as smooth and safe as a perfect roadbed, steel rails, iron bridges, interlocking switches and other devices, constructed in the most skillful and scientific manner, can make it. At all coupon ticket offices will be found on sale, during the tourist season, round-trip tickets, via this popular route, at low rates to Denver, Colorado Springs and Pueblo, Colorado. When ready to start, call on your nearest C. B. & Q. ticket agent or address Perceval Lowell, General Passenger Agent Burlington Route, Chicago, Ill.

Synopsis of Building News.

Albuquerque, N. M.—Architect J. B. Randall reports: For W. S. Woodside, at Fort Wingate, two-story adobe store building, 34 by 89 feet, cost \$7,500; contract let. For P. L. Herlon, at Santa Fe, one-story adobe dwelling, 50 by 90 feet, cost \$8,000; plans just completed. For Lorenzo Hubbel, one-story stone store building, 38 by 100 feet, cost \$5,000; plans just completed.

Anoka, Minn.—Twenty-two brick blocks, over a hundred residences, and a shingle mill will be erected in Anoka this season, which, with the big Washburn mill, will foot up an expenditure of over \$355,000.

Austin, Texas.—Present condition dull, several buildings projected.

Architects J. W. Preston & Son report: For J. W. Driskill, two-story frame residence, 56 by 67 feet, cost \$7,000; under way; work done by the day. For H. Hirschfeld, two-story brick residence, cost \$10,000; projected; John Auderworth, architect. M. E. Church, at Belton, Texas, two-story stone building, 50 by 70 feet, cost \$10,000; projected.

Belle Plaine, Minn.—The North-Western Railroad Co. is building a thirty-four-stall roundhouse, to cost \$200,000.

Blackberry, Ill.—Architect W. E. Elliott (Elgin, Ill.), reports: For John Stewart, two-story and basement frame residence, 48 by 60 feet, cost \$7,000; projected.

Buffalo, N. Y.—The season started in fairly, and has thus far been much better than last.

Architect R. A. Bethune reports: Seventy-fourth Regiment armory and drill hall, three-story brick, 120 by 285 feet, cost \$40,000; under way; J. H. Tilden, mason; John Feist, carpenter; Union Bridge Co., truss work. School building No. 24, two-story and cellar, brick, 88 by 180 feet, cost \$40,000. School building No. 18, two-story and cellar, brick, 60 by 150 feet, cost \$35,000; under way; Schneider & Kraft contractors of both buildings. Police station No. 11, two-story and cellar, brick building, 40 by 85 feet, cost \$15,000; under way; Chas. Berrien, mason; Jos. Churchyard, carpenter. For Kellogg & McDaugh, five-story factory building, 40 by 150 feet, cost \$15,000; under way; John Druar, mason; B. C. Dean, carpenter. For Cossack & Co., three-story factory building, 60 by 264 feet, cost \$20,000; under way; Hoffmeyer & Getz, builders. For Spencer Kellogg, brick residence, cost \$15,000; under way; Rumrill & Rupp, masons; B. C. Dean, carpenter. For H. G. Brooks, brick residence, cost \$35,000; under way; John Hillard, mason; Weir Bros., carpenters. For Geo. Waltherman, frame residence to cost \$10,000; projected. For Miss Reynolds, frame residence to cost \$5,000; projected. For Roger W. Graves, frame residence, cost \$4,500; under way; L. A. Williams, builder. For Michael Riley, frame dwelling, cost \$3,000; projected. For John Druar, brick residence, cost \$5,000; projected.

Architect Geo. J. Metzger reports: For Erie County, two-story annex to Erie County Insane Asylum, 55 by 72-6 feet, cost \$11,128; under way; F. Kohl and D. Graiser, builders. For Cattaraugus County, two cottages and an addition to dining-hall of asylum, 27 by 56 feet, cost \$9,300; under way; Dean & Spring, of Franklinville, N. Y., builders. For Wm. H. Lock, two-story brick dwelling, 27 by 56 feet, cost \$10,000; under way; Wm. H. Lock, builder. For Edward Edwards, two-story frame residence, 23 by 56 feet, cost \$5,000; under way; Joseph Churchyard, builder. For International Brewing Co., boiler and ice machine house, 62 by 48 feet, cost \$8,190; under way; H. Schaefer & Sons, builders. For Dr. M. Baker, brick stable, 46 by 32 feet, cost \$2,800; under way; Jos. Metz and Schmidt Bros., builders. For J. C. Barnes and F. S. Coit, five-story brick building, with 50 feet front on Erie street, 74 feet front on Pearl street, and a depth of 157 feet, cost \$35,000; under way; Wm. Baynes & Schmidt Bros., builders. For Gen. John C. Graves, two-story brick dwelling, 68 by 114 feet, cost \$38,000; under way; E. M. Hager and C. Berrick, builders. For Urban & Co., brick stable, 51 by 79 feet, cost \$4,500; under way; Schmidt Bros., builders. For International Brewing Co., brick stable, 110 by 35 feet, cost \$10,000; projected. New York State Drill Hall, as an addition to State Arsenal, 168 by 280 feet, cost \$50,000; under way; Schmidt Bros., builders.

Canon City, Col.—The Canon City Improvement Co. have purchased from the C. C. & I. Co. the Canon City hot springs and bath-house, and at present are going to put about \$35,000 in repairs. They also contemplate the erection of a hotel this fall, at an expense of about \$60,000.

Architect G. W. Roe reports: For Lyman Robinson, residence and other buildings, costing \$21,000, and mentioned in a previous issue; the improvements will be completed in about two months; C. J. Smith, contractor. For G. R. Shaffer, two-story brick store building, 44 by 100 feet, cost \$5,000; projected. For J. W. Lester, brick dwelling, 16 by 32 feet, cost \$2,500; under way; Nicholas & Bradbury, builders. For J. L. Phelps, addition to dwelling, 32 by 34 feet, cost \$2,000; F. Minter, builder. For P. Hayes, brick dwelling, cost \$2,200.

Cedar Rapids, Iowa.—Architects Josselyn & Taylor report: For Wm. O'Hara, two-story frame dwelling, 30 by 45 feet, cost \$4,000; under way; L. Wallace, builder. For C. L. Hunt, two-story frame dwelling, 28 by 45 feet, cost \$3,500; under way; L. Wallace, builder. For R. A. Condit, two-story frame dwelling, 28 by 45 feet, cost \$3,000; under way; L. Cooper, builder. For J. L. Patch, two two-story frame dwellings, cost \$1,800 each; L. Cooper, builder. For First Congregational Society, mission chapel, 39 by 46 feet, cost \$1,400; S. Taft, builder.

Central City, Neb.—Architect John J. Kuhn (Lincoln, Neb.) reports: For N. R. Persinger, residence, to cost \$6,000; projected.

Chicago, Ill.—The coming month will witness the commencement of a large amount of important work.

In glaring contrast to the splendid and substantial office buildings being erected on La Salle street, are two buildings by the Otis estate, with foundations and walls as scant as the building laws will allow, and in every way as cheap as the construction can be made, and not the slightest regard paid to the disfiguring effect they will have on the street view.

Architects John M. Van Osdel & Co. have commenced an office building for Jonathan Clark, to be located on the corner of Sherman avenue and Jackson street. It will be 50 feet, 6 inches front by 101 feet deep, six stories and basement in height. The basement and first story will be blue Bedford stone, and the upper stories pressed brick, with massive stone trimmings. The building will be fireproofed throughout. The basement will be divided for four brokers' offices, the first floor as a large banking room, and fifty offices will occupy the upper floors. It will be finished by May 1, 1886, and will cost \$150,000.

Architect J. J. Flanders reports: For Edward Hudson, residence on corner Washburn avenue and Thirty-second street, pressed brick front with stone trimmings, two stories and attic, 40 by 80 feet, cost \$40,000. For city of Chicago, school building, three stories and basement, with large hall on fourth floor, pressed brick with stone trimmings, 80 by 125 feet, cost \$54,000; under way. For Mr. John O'Malley, on corner Twenty-first and Clark streets, brick, 135 by 40 feet, cost \$25,000. For M. Goff, brick residence on Monroe street, near Loomis, two stories, front pressed brick and stone, 25 by 60 feet, cost \$6,000. For Jonathan Clark, store building on State street, near Jackson, six stories, brick, stone and iron, 80 by 138 feet, cost about \$60,000. For Berlitzheimer & Stensland, at 235 and 237 Milwaukee avenue, stores and hall, brick, 40 by 100 feet, cost \$12,000.

Architects Edbrooke & Burnham report: For Mrs. C. T. Barnes and Wm. Evans, a three-story and basement house at 339 and 341 West Monroe street, pressed brick front, with stone trimmings, each 24 by 52 feet, cost \$17,000; under way. For Herbert B. Johnson, at Hyde Park, frame residence, stone cellar, 30 by 45 feet, cost \$5,000; projected. For J. O. Smith, of Winnetka, a three-story brick store and apartment house, on West Madison street, near Western avenue, 50 by 80 feet, cost \$15,000; projected. For Frank Headen, a four-story brick store and apartment building, on northeast corner of Indiana and Franklin streets, 42 by 100 feet, cost \$20,000; projected.

Architects Adler & Sullivan report: A pavilion under construction for the Cheltenham Improvement Company, 160 by 100 feet, with restaurant and club rooms on first floor, and verandahs and sleeping rooms above, cost about \$15,000; builders hired by the day. For Henry Stern, a brick and stone residence at 2915 Prairie avenue, two stories, mansard, and basement, with attic in part, pressed brick, with terra-cotta and galvanized iron embellishments, 25 by 80 feet, cost \$12,000; Angus & Gindele, mason work; Thos. Sollitt & Son, carpenters; John Rawle, cutstone work. For Samuel Stern, a residence similar to the one for Henry Stern, on Prairie avenue; contract not let. For M. C. Stearns, on Thirty-fifth street, opposite Douglas monument, residence, two stories, basement and mansard, stone, brick and terra-cotta, 32 by 55 feet, cost \$12,000; Chas. Busby, contractor. For Wright & Lawther Lead and Oil Manufacturing Co., brick four-story and basement addition to works, on Polk street, 76 by 109 feet, timbers very heavy, for storing flaxseed, cost \$14,000; Thos. Sollitt & Son, carpenters; Barney & Rodatz, masons; Vierling, McDowell & Co., ironwork. For Zion Temple congregation, a brick church, with stone and terra-cotta trimmings, slate roof, ornamental galvanized iron gable, 65 by 115 feet, cost \$35,000; T. O'Shea, contractor. For B. Lindauer (plans not

completed), residence, brick, with brownstone front, two stories, basement and mansard, 42 by 66 feet, cost about \$21,000.

Architects Addison & Fiedler report: For J. L. Fulton, a three-story store and flat building, at 729 West Madison street, brick, front pressed brick and terra-cotta, 30 by 60 feet, cost \$11,000; under way. For John H. McAvoy, remodeling of residence, at 2321 Calumet avenue, cost \$12,000. For Mr. Marinus, frame residence, at Lake View, two stories and attic, 35 by 56 feet, cost \$5,000; plans not completed. For B. Hagaman, brick residence, three stories and basement, 25 by 90 feet, cost \$15,000; plans not completed.

Architect L. G. Hallberg reports: For J. Lewis Cochran, block of five dwellings on Elm street, near State, brick, front pressed brick with stone trimmings, three stories and basements, 75 by 70 feet, cost about \$30,000; contract not let. For Dr. E. H. Talbot, on Elm street, near lake shore drive, block of four dwellings, brick, with stone trimmings, three stories and basement, 72 by 52 feet, cost \$25,000. For C. H. Walker, warehouse, six stories, brick, iron, stone and terra-cotta, 40 by 160 feet, cost \$40,000; Jonathan Clark, contractor. For Mrs. Margaret Inderriden, residence, three stories and basement, pressed brick, molded arches and terra-cotta ornamentation, 20 by 70 feet, cost \$8,000. For Mrs. Louise Mather, on State street, near Schiller, residence, two stories, attic and basement, stone front, terra-cotta decoration, front and side verandahs, cost \$15,000; contract not let. For C. Jevne, on La Salle avenue, near North avenue, two-story, attic and basement residence, brick, greenstone front, hardwood and very elaborate finish for inside, cost \$30,000; contract not let.

Architect S. S. Beman reports: For C. F. A. Spencer, two dwellings, pressed brick, with brownstone trimmings, three stories and basement, 25 by 65 feet, cost \$8,000 each; E. Sturtevant, mason; and F. H. Avers & Co., carpenters. For W. H. Burnet, block of three dwellings at Kenwood, pressed brick for first story, frame and shingle finish for upper story and attic, 60 by 55 feet, cost \$18,000; McDermott & O'Brien, masons; Pullman planing mill, the carpentry. For the same, on Oakwood boulevard, a block of six dwellings, three stories and basement, brick, 90 by 48 feet, cost \$26,000; completed. For the same, on Indiana avenue, two brick dwellings, three stories and basement, 26 by 40 feet, cost \$9,000; completed. For Halsted Burnet, at St. Louis, Mo., a block of three houses, pressed brick and slate, three stories and cellar, 27 by 50 feet each, cost \$14,000. For Uri Balcom, remodeling residence at 2027 Michigan avenue, at cost of about \$25,000. For W. H. Murray, at 1919 Prairie avenue, residence, three stories and basement, pressed brick, with brownstone trimmings, 32 by 63 feet, cost \$35,000. Four cottages at Rosalie court, South Park station, frame, each two stories, 20 by 40 feet, cost \$3,500 each. For the North-Western Mutual Life Insurance Company, at Milwaukee, Wis., office building, five stories and basement, basement and first story granite, upper stories of buff Bedford stone, to be absolutely fireproof, 180 feet on Broadway by 114 feet on Michigan street, first story to be used for bank offices and stores, the second and third floors for the offices of the company, and basement and two upper stories for offices to let; the Halliwell & Bodwell Co., contractors for granite and stone work; and the Union Foundry, the ironwork. The company is putting in foundations. For Procter & Gamble's manufacturing village of Ivorydale, six miles east of Cincinnati, about twenty-five of the factory buildings are under way. Of these, the warehouse is 50 by 450 feet, stone walls, one-story, with high iron roof. Several of the shops will be 50 by 300 feet, and some of them three and four stories. All buildings of one-story will be of stone, those of more than one-story will be of stone for the first story, and pressed brick above. Several of the dwelling houses for workmen are also under way, and plans for others are being prepared. Houses will be required for about fifteen hundred workmen and their families, and plans for about one hundred buildings will be called for during the ensuing three months.

Architect I. K. Pond reports: For himself, at Rosalie court, South Park, two frame two-story cottages, with cellars, each 25 by 32 feet, cost \$3,000 each. For the Ladies' Library Association at Ann Arbor, Michigan, a library building, the main room of which is 25 by 40 feet, 20 feet high, with gallery and reception room, cost \$3,000; under way.

Architect Fred. Kelenich reports: For J. McAssay, two-story and basement, brick residence, 22 by 48 feet, limestone front, cost \$8,500; under way. For Charles Schwartz, three stories and basement, brick store building, 72 by 52 feet, also two two-story buildings adjoining the above, Indiana pressed brick, cost \$13,500; projected; contract not let. For S. Frank, two-story and basement store building, 30 by 30 feet, cost \$4,000; projected; contract not let. For T. Finks, one-story and basement, brick, 25 by 32 feet, cost \$2,600; projected.

Architects Wheelock & Clay report: For B. F. Nourse, brick and stone residence, 30 by 50 feet, cost \$9,000; under way; I. A. Heath, builder. For E. A. Schoyer, two-story frame, 22 by 66 feet, cost \$2,000; S. LeBeau, builder. For W. A. Havemeyer, two-story frame dwelling at Riverside, 27 by 30 feet, cost \$8,000; I. J. Johnson, builder.

Architects Schaub & Berlin report: For N. Eckhardt, at 448 West Chicago avenue, three-story and basement, store and flats, Anderson pressed brick front, blue limestone trimmings, 30 by 80 feet, cost \$10,500; under way; Wm. Meyne, builder. For Henry Koop, 962 Milwaukee avenue, three stories, basement and attic, store and flats, Anderson pressed brick front, Euclid stone trimmings, 25 by 82 feet, cost \$10,000; under way; Eich & Otte, builders. For Edward Klein, corner South Halsted and 20th streets, four stories and basement, store and flats, Anderson pressed brick, bluestone and terra-cotta trimmings, 25 by 78 feet, cost \$10,000; under way; Wm. Walt, builder. For A. Berlin, 261 Bissell street, two-story and basement residence, Anderson pressed brick, with Euclid stone and terra-cotta trimmings, 24 by 60 feet; under way; Chas. Krueger, builder. For Mrs. M. Rich, Oak street, near La Salle avenue, three-story and basement flat building, Anderson pressed brick, with McArthur brownstone trimmings, 22 by 72 feet, cost \$7,500; under way; A. Reiplinger, builder. For Mrs. C. Libke, 99 Erie street, three-story and basement flat building, Anderson pressed brick and stone trimmings, 22 by 80 feet, cost \$8,500; Roger & Koch, contractors. For Chas. Schroeder, 981 Milwaukee avenue, three-story and basement store and dwelling, Anderson pressed brick and bluestone trimmings, 24 by 66 feet, cost \$8,500; taking bids. For H. Damman, 1198 Milwaukee avenue, three-story and basement, store and flats, Anderson pressed brick, with Euclid stone trimmings, 25 by 82 feet, cost \$9,000; taking bids.

Architect A. Druding reports: For Catholic congregation at Johnsbury, McHenry county, Illinois, pastor's residence, 32 by 46 feet, cost \$5,000; foundation laid; Peter Rosenbecher, of Johnsbury, contractor. For Sacred Heart of Jesus, congregation at St. Francis, Milwaukee county, Wis., church, 45 by 105 feet, with addition to chapel, 20 by 30 feet, cost \$14,000; ready to commence on foundation. For Sts. Peter and Paul's church at Seneca, Nemaha county, Kansas, building 44 by 104 feet, cost \$15,000; ready to commence on foundation. For St. Francis convent at Silver Lake, addition to convent, cost \$20,000; ready to take bids. Finishing Catholic church at Menasha, Wis., estimated cost \$7,400.

Architect Otto H. Matz reports: For Ch. Theiss, two-story brick dwelling on Larabee street, cost \$5,000; F. E. Watter, builder. For Chicago capitalists, plans for twenty-five one and a half-story brick cottages, white and red brick, with cutstone and terra-cotta ornamentation, fronts of unique design, with neat porches and substantial foundations, cost \$35,000.

Architects Wilson & Moody report: For Wm. Bain, two stories and cellar, stone and brick, 22 by 60 feet, cost \$4,000. For George Lehman & Co., three-story double building, 40 by 33 feet, cost \$5,000. For H. R. Wilson, on Rhodes avenue, two two-story and cellar buildings, 33 by 60 feet, cost \$10,000. For W. E. Hall, two two-story and basement dwellings, 32 by 43 feet, cost \$6,000, and residence on Ashland avenue, 22 by 36 feet, cost \$3,000. For C. E. Stebbings, three-story livery barn on West Lake street, 50 by 150 feet, cost \$10,000.

Cincinnati, Ohio.—Building in this city is quiet, though the architects and contractors are reasonably busy. The court house is being pushed forward, and the fireproofing by the Wight system is actively progressing. The curiosity of the public has been excited by the temporary office building the company have erected for the use of their workmen. It is composed of hollow tile, and has a tile roof and floor, showing the practical construction of a fireproof building. The various comments of passers by are amusing, and show how little knowledge the general public have of this most important factor in building.

The Builders' Exchange, which was organized in 1878, has just published their revised constitution and by-laws. The Exchange is in a flourishing condition and contemplates an exhibit of building materials in connection with the Exchange, which, if taken up by the Exchange, will not only succeed, but be a powerful influence toward the growth and influence of that body.

With the exception of the public buildings and a few large commercial structures, the work done is largely on the highlands. The Art Museum on Walnut hills, by Architect McLaughlin, promises to be not only a valuable accession to the city's institutions, but architecturally one of the best productions in the West.

The result of the competition for the new Chamber of Commerce has not been announced, though the committee have had the drawings since June 1. There is every reason to believe that the decision will be made upon the merits of the drawings, as the judges are not only perfectly honorable and trustworthy men, but each has a knowledge of building that will greatly help them to make an intelligent selection, two of them being civil engineers. There has been a fear expressed that the general mem-

bers of the board might be allowed some voice in the matter, but the disastrous consequences attendant upon any such admission by the committee are too apparent to give this even the show of probability. The architects, who are paid competitors, stand at the head of the profession, and each has the utmost confidence in the board of selection which constitutes the building committee.

[**LATER.** The competition was decided on the 10th instant by the selection of the designs of Architect H. H. Richardson of Brookline, Mass., Ed.]

The following is reported by the secretary of the Builders' Exchange: Architects Plympton & Trowbridge report: At Mt. Heathy, Hamilton County, O., two-story brick addition, 37-7 by 28-4 feet, to school house, slate roof, cost \$30,000; under way. For Miami University, at Oxford, O., repairs, etc., to cost \$900. For A. Howard Hinckle, three-story brick dwelling, 54 by 25 feet, cost \$7,500; projected. For W. H. Wilson, brick and frame dwelling, 36 by 33 feet, cost \$3,500; projected.

Architect Theo. Richter, Jr., reports: For Geo. H. Grimmelman, seven-room brick dwelling, slate roof, cost \$4,000; under way. For Cornelius Bauer, seven-room dwelling, slate roof, cost \$4,500; under way. For John Seymour, at Oakley, O., twelve-room brick dwelling, slate roof, cost \$7,000; drawings made. For Thos. B. Paxton, on Price Hill, remodeling and alterations to brick residence, cost \$2,500; under way. For Chas. Doerr, four-story store and flats, 24 by 120 feet, pressed brick, with freestone trimmings, tin roof, cost \$15,000; drawings under way.

Architect Samuel Hannaford reports: For E. Pallock, twelve-room and attic brick dwelling, slate roof, cost \$10,000; drawings under way. For A. Brunner, twelve-room and attic brick dwelling, slate roof, cost \$10,000. Alterations, etc., Mechanics' Institute, under way. Galt Lodge and superintendent's residence, to Jewish cemetery, stone with freestone trimmings; sketches made and approved.

Cleveland, O.—The season is not quite an average one for the better class of work, a considerable amount of cheaper work being done. Wages and materials lower than last season.

Architect Geo. H. Smith reports: For C. G. King, six-story and basement store and office building, 72 by 124 feet. The first story will be of granite, above that Amherst stone. Two stories of the building will be thoroughly fireproof; iron and mason work is already under contract.

Colorado Springs, Col.—Outlook for summer is not good, but it is expected there will be a good fall and winter season.

Architect C. S. Wright reports: For J. J. Hagerman, two-story stone barn, 40 by 54 feet, cost \$5,500; under way; Whipple & Roby, builders. For Finnigan, one-story stone cottage, 28 by 30 feet, cost \$3,500; under way. For S. Hazlehurst, double two-story frame cottage, 40 by 28 feet, cost \$4,500; under way; B. Anderson, builder. For B. D. F. Adams, frame house, 53 by 58 feet, cost \$6,800; under way; E. Johnson, builder. For J. M. Bemis, frame house, 34 by 48 feet, cost \$6,900; under way; J. Dozeer, builder. For H. L. Ballou, two-story frame house, 44 by 60 feet; also barn, cost about \$7,000; just finished; Whipple & Roby, builders. For J. Tucker, frame house, 40 by 70 feet, cost \$7,000; R. Koeschlaub, architect; F. Fuller, builder. For T. Smith, one-story frame house, 38 by 70 feet, cost \$7,000; F. Fuller, builder. For J. Sneed, frame house, 40 by 38 feet, cost \$7,000; E. Johnson, builder. Mr. Wright has also two frame houses projected, to cost about \$7,000 each.

Columbus, O.—The ordinance providing for obtaining building permits from the city clerk, an attempt to repeal which was made May 18, was passed in 1874.

Building permits: Stoddard & Matthews, two-story brick dwelling, 15 by 25, Twenty-first street, Eleventh ward, August 15, \$1,600. W. S. Ide, seven two-story frame dwellings, 28 by 16, Panhandle street, Eleventh ward, September 1, \$550 each, \$3,850. Same, five one-story frame dwellings, 30 by 18, Baltimore street, Eleventh ward, August 1, \$400 each, \$2,000.

Corsicana, Tex.—Work on the new two-story brick school house has begun; John R. Minor, contractor. The city has disposed of \$80,000 bonds for the purpose of building water-works.

Davenport, Ia.—Architect C. A. Dunham: For Dr. W. W. Nassau, brick business block.

Work has begun on the foundation for John Graham's fine three-story business block. Other contracts are not yet let.

Deadwood, Dak.—The county commissioners have called a special election for June 23 for voting upon the proposition to issue \$8,000 in bonds for the purpose of building a new jail.

Denver, Col.—The following permits have been recently granted: S. V. Fornum, two-story brick dwelling, 28 by 58 feet, cost \$8,000; F. E. Edbrooke & Co., architects. First National Bank, vault and general improvements, in Tabor block, for bank purposes, cost \$20,000; J. W. Roberts, architect. Episcopal Society, stone and brick church, cost \$9,000; E. Anthony, Architect. One-and-one-half story brick dwelling, 41 by 56 feet, cost \$8,000; Wm. Long, architect.

A bill for an ordinance establishing the office of Inspector of Buildings, and fixing the salary at \$1,800 per annum, was passed and is ready for the mayor's signature.

Des Moines, Ia.—The present outlook is not very promising; considerable projected work has been postponed until next season.

Architect W. L. Plack reports: For E. U. Curl, remodeling business block, 22 by 132 feet, cost \$4,600; under way; Chas. B. Langley, contractor. For Percival & Hutton, sixteen brick tenements, 17 by 48 feet, projected, cost not estimated. For H. E. Teachout, brick residence, 36 by 52 feet, cost \$4,500; under way; J. A. Carlson, builder. For Wm. R. Smith, frame cottage, 28 by 49 feet, cost \$3,200; projected. For Chas. M. Sherman, four frame cottages, 27 by 41 feet, cost \$6,400; projected. For Dr. W. H. Ward, remodeling residence, cost \$4,800; under way; F. S. Whiting, contractor. For Hon. Samuel Merrell, remodeling residence, to cost \$6,500; contract not let. U. P. Church, frame building, 44 by 52 feet, near Sumner street, Ia., cost \$3,400; under way; Hand & Carter, builders.

Detroit, Mich.—The present conditions are good, though there is an actual falling off of brick work again this month, but the outlook is still good.

Architect Mortimer L. Smith reports: For the Lafayette avenue Baptist Church, Society Church building, 92 by 163 feet, inclusive of chapel, which is 44 feet wide. This is to be one of the largest and finest churches in the city, decorated Gothic in style, to be of heavy rock-faced limestone, from the grade to first water-table; walls above the water-table random work, rock-faced Ionia sandstone; dressed and carved work of Stony Point, Mich., sandstone, of which there will be a liberal display, especially about the doorways. There are to be two towers, all stone, a small one on one corner and large one on the other; upon this latter will stand the spire, 212 feet in height; this and all other roofs are to be slated. There are to be three front entrance doors and one at the side, deeply recessed, with columns having beautifully carved capitals. The interior will be finished in oak and ash, open timbered roof, clear story windows. The seating will be arranged in amphitheater form, an incline accommodating 900; also a gallery, supported by iron columns, seating 450. Dining-room, etc., in basement; also toilet rooms. Heating will be done by steam, with combination of direct and indirect radiation. The building is now in course of erection on Woodward avenue, corner of Winder, cost \$100,000; Topping & Fisher, masons; Spitzley Bros., carpenters; Knapp & Avery, stonecutters.

Architect W. H. Miller, of Ithaca, N. Y., has completed the residence of Judge H. B. Brown, on Jefferson avenue, which is one of the most elegant houses in the city. Of the building the *Detroit Free Press* says: "Its exterior is perhaps more colonial in its style than any other order of architecture, yet the architect has made various original innovations, all of which are judicious and artistic, and the general effect is most satisfactory. The first story is of cutstone, and the second story and gable peak of brick, the upper half of the brick work being finished in plaster. The roof is laid with tiles, twenty-seven tons of tiles being required, and it is the first roof of the kind in this city. The windows are of plate glass, and all the work corresponds in dignity and finish. The interior of the house is not divided into an infinitude of apartments, and the several spacious, yet homey rooms provided are simply delightful in arrangement and general aspect." The interior is finished in hardwoods. The steam heating and plumbing appliances are complete as are also the sewerage and ventilating arrangements. The building cost \$28,000; Alex. Conpton, mason; R. Nelson, carpenter.

Architects Watkins & Arnold report: High School building, 147 by 74 feet, at St. John, Mich. It is to be two stories high and basement, brick, stone trimmings, high pitched slate roof; style, "secular" Gothic. The building will be heated and ventilated by the Ruttan system; cost \$25,000; under way; work being done by the day.

Architect J. V. Smith & Son report: For Jas. Clancey, two-story double dwelling, brick, stone trimmings, tin roof, 38 by 60 feet, cost \$5,500; projected.

Architect A. C. Varney reports: For J. J. Alley, two-story dwelling, 22 by 70 feet, brick, stone trimmings, slate roof, cost \$5,000; projected. For W. C. Lautner, two-story brick and stone dwelling, 21 by 40 feet, cost \$4,000; projected. The Murphy Chair Works, consisting of main building, four stories and basement, brick, 100 by 120 feet, wing, 60 by 200 feet, and boiler and engine building, 30 by 65 feet; cost of whole

improvement, \$40,000; projected. For A. Lapham, two-story brick and stone dwelling, 34 by 58 feet, cost \$6,000; under way; W. G. Simpson, carpenter; Buffam & Carpenter, masons. For G. W. Buffam, three-story brick and stone dwelling, 24 by 67 feet, slate roof, cost \$5,000; Buffam & Carpenter, masons; W. G. Simpson, carpenter.

Architects Donaldson & Meier report: For Aertiz & Co., three-story brick furniture factory, 74 by 60 feet, cost \$10,000; Graham & Lafferty, masons; J. P. Smith, carpenter. Bohemian school building, two stories, brick and stone, 46 by 60 feet, cost \$6,000; M. Scholl & Son, builders. For H. Corrie, four-story block of stores and offices, brick and stone, 48 by 100 feet, cost \$25,000; H. George & Son, builders.

Architects Scott & Co. report: For A. Byer (New Philadelphia, O.), three-story brick and stone residence, 36 by 65 feet, slate roof, cost \$9,500; projected. For H. S. Swayne (Bloomington, Ill.) two-story brick and terra-cotta residence, 35 by 64 feet, slate roof, cost \$8,000; projected. For Judge J. Miner, addition to residence, brick and terra-cotta, 40 by 28 feet, cost \$4,500; projected. For Louis Jones, two-story brick and terra-cotta residence, 30 by 64 feet, cost \$8,000; projected.

Architect Gordon W. Lloyd reports: For James McMillan, three-story brick residence, 42 by 90 feet, cost \$15,000; A. Chapoton, Jr., mason; Nuppenan & Clark, carpenters.

Chandler Bros., three-story brick residence, 45 by 56 feet, cost \$9,000. Architect Peter Dedrichs reports: For St. Joachim French Catholic Society, brick church, 83 by 138 feet, slate roof, cost \$40,000; M. Blay, mason; W. G. Vinton, carpenter.

W. H. Holland & Son, two-story dwelling, brick, 32 by 61 feet, cost \$6,000. Leteaker Bros., two-story double frame dwelling, 48 by 56 feet, cost \$4,000.

Robert Common, Sr., two-story double brick dwelling, 40 by 67 feet, cost \$6,000; Walter Fairbank, contractor.

Michael Henderson, two-story brick dwelling, 89 by 66 feet, cost \$6,000. Detroit Soap Co., two-story brick storehouse, 40 by 80 feet, cost \$4,000.

Architect W. V. Higganbotham: For Lyon Brewing Co., two-story brick barn, 109 by 35 feet, cost \$4,600; Dean Bros., builders.

The total amount of building permits issued during month of May, \$295,350.

Dubuque, Ia.—Architect F. D. Hyde reports: For A. A. Cooper, four-story brick warehouse, 60 by 113 feet, cost \$15,000; under way. For W. L. Bradley, four-story brick warehouse, 32 by 113 feet, cost \$10,000. For M. M. Walker & Co., coal storage warehouse, three stories, brick, 36 by 113 feet, cost \$6,000; preparing plans. For A. Mathews, double two-story and attic frame house, 36 by 44 feet, cost \$2,500; plans ready. For F. Hinds, addition to brick residence, cost \$2,000; making plans. For A. Christman, addition to brick residence, cost \$5,000; under way.

Elgin, Ill.—The season has fairly opened, and contractors are well employed. Building materials cheaper than last season, but labor the same. The outlook is fully equal to that of the last two years.

Architect W. E. Elliott reports: Northern Illinois Insane Hospital, green-house of glass, iron, and wood, main building and wings, 38 by 113 feet, cost \$10,000; under way. For A. Strauss, two-story and basement brick tenement, 44 by 34 feet, double bay fronts, cost \$4,500; under way; Thomas Mackey, carpenter; Chas. Marchhoff, mason. For Wm. Hart, brick veneered residence, 34 by 48 feet, stone trimmings, cost \$3,500; under way; Thomas Mackey, carpenter; Andrew Maginnis, mason.

Emporia, Kan.—The following buildings are now under construction: The Presbyterian College, which was started last fall, to cost \$60,000; Haskell & Wood (Topeka), architects. Brick block for John Fluker, to cost \$10,000; A. J. Ashley, architect. Brick block for Schlesinger & Co., to cost \$10,000. Mechanics are in demand; wages are good. Prospects are good for \$100,000 worth of county buildings, such as court house and jail.

Fort Dodge, Ia.—A Presbyterian college is to be erected here at an expense of \$40,000.

Fort Smith, Ark.—Architects Roeder & Lynch (St. Louis) report: City school house, two stories, 50 by 60 feet, cost \$10,000. Also two-story school house, 34 by 58 feet, cost \$5,000; both the above are projected.

Fort Wayne, Ind.—Architect H. W. Matson reports: For W. H. Dreier, two frame cottages, 22 by 43 feet. For Jacob Baltes, two two-story brick dwellings, 21 by 45 feet. For Fred Hayden, remodeling frame dwelling. For Dr. W. W. Shryock, brick stable, 22 by 31 feet, Jacob Beaber, builder. For M. Baltes, two-story brick dwelling, 21 by 60 feet, cost \$2,800; under way. Mr. Baltes will soon erect a large and handsome store building on the corner of Berry and Harrison streets.

Frankfort, Ind.—Building business is dull; many contractors are idle, with not much prospect of work.

Architect J. W. Hammond reports: For Elon Davis, at Colfax, Ind., frame cottage, slate roof, cost \$2,000; under way; Asa Kinder, builder. For Presbyterian Society, at Geetingsville, Ind., brick and stone church building, 34 by 58 feet, cost \$3,000; under way.

Fremont, O.—Architects Findley & Shively report: For Adam Gottron, two-story brick and stone dwelling, 28 by 46 feet, cost \$2,500; under way; Anthony Kiser, builder. For Frederick Hedrick, two-story brick and stone dwelling, 28 by 53 feet, cost \$3,500; under way; Steiny Bros., builders. For Wilbur Cosmer, two-story frame dwelling, 23 by 45 feet, cost \$1,850; under way; Anthony Kiser, builder.

Galesburg, Ill.—The corner-stone of the new Knox County Court House will be laid in Galesburg June 14, under the auspices of the Grand Lodge of Masons of this state. The building will be completed September 1, 1886, at a cost of nearly \$200,000.

Galveston, Texas.—Business is dull, and outlook not very good.

Architect N. J. Clayton reports: For S. Blum, brick residence, 70 by 80 feet, three stories and basement high, slate roof, style French renaissance, cost about \$30,000; nearly finished; work done by the day. For H. M. Trueheart, modern frame residence, two-stories and mansard, slate roof, 70 by 75 feet, cost about \$20,000; work commenced; to be done by the day. For J. G. Duffield, modern two-story frame residence, 50 by 70 feet, slate roof, cost about \$15,000; work starting, to be done by the day. For P. Gengler, modern two-story frame residence, 50 by 60 feet, slate roof, cost about \$8,000; projected. For the Catholic Society, Church of the Sacred Heart, brick and artificial stone building, 75 by 160 feet, a Romanesque dome, about 160 feet high, at the intersection of the nave and transepts; the cost of the projected building is estimated at \$100,000.

Genoa, O.—Architects Findley & Shively, of Fremont, O., report: Genoa Town Hall, brick, with stone trimmings, slate roof, 50 by 90 feet, cost \$8,900; under way; Fred Sandwisch, builder.

Great Bend, Kan.—There are two fine bank buildings already commenced; a \$15,000 hotel and a \$10,000 opera house will be built this season, also several brick business blocks. There are new residences going up in every part of the city. A new bank has been organized by about a dozen of our leading business men, and business will be commenced in about thirty days.

Hannibal, Mo.—Architect James Oliver Hogg reports: For Board of Education, three-story school-house, 62 by 78 feet, cost \$14,000; excavation started; B. Edwards, of Masen City, Mo., builder. Two-story school-house, 62 by 71 feet, cost \$9,856; excavation started; A. J. Kee, builder. Two-story school house, 62 by 71 feet, cost \$9,590; an injunction has been filed against building; Hogg & Son are the contractors. For the City of Hannibal, Recorder's Court and City Prison, 39 by 52 feet, estimated cost \$6,000; foundations contracted; plans for superstructure not yet completed; Murphy & Son, contractors for foundations. Baptist Chapel, one-story frame, 28 by 45 feet, cost \$1,200; under way; Hogg & Son, builders. For G. F. Sauvinnett, at Macon City, Mo., two-story frame dwelling, 29 by 50 feet, cost \$2,330; foundations in; B. Edwards, builder.

Humboldt, Neb.—Architect John J. Kounh (Lincoln, Neb.) reports: School-house, 68 by 72 feet, cost \$15,000.

Jerseyville, Ill.—Architect Wm. Embley reports: For D. G. & H. N. Wyckoff, two-story store house, 25 by 75 feet, cost \$3,500; R. H. Clark, contractor. For G. W. Herdman, two-story store house, 50 by 90 feet. For Gus Gocke, two-story store house, 25 by 80 feet. The residence of Richard Chappel, destroyed by fire recently, is to be rebuilt.

Indianapolis, Ind.—Architects D. A. Bowler & Son, new market hall building; bids were opened May 9.

Kansas City, Mo.—Outlook good. Architects are generally busy; more large business buildings will be erected here this year than ever before in one season. A great improvement is shown in all classes of buildings now being erected, the capitalists having come to the conclusion that they can safely invest money in good buildings. The new cable street railway has been put in operation, and the city is now experiencing that steady, though almost marvelous growth which always comes, sooner or later, to an enter-

prising city. There is a great opportunity here for architectural beauty, and if this season's buildings are a fair criterion, there is no limit to the growth of this city, either in beauty or in wealth.

Architect L. L. Levering reports: For G. R. Nelson, six-story and basement store and office building, 96 by 154 feet, stone front walls, brick interior and rear walls. The front will be of freestone, with granite columns and stress blocks; the first story will be in rock-faced granite work. This building is being erected on the corner of Main street and Missouri avenue; foundations are in, and part of contracts let. Great credit is due to Mr. Nelson, as this is the pioneer of fine office buildings in this city. It will cost \$200,000. Mr. Levering has also for John S. Raynor, three-story brick and stone residence, 20 by 56 feet, cost \$4,000; nearly completed; W. N. Walker, builder. For Sam'l Murdy, double one-story frame cottages, 42 by 56 feet, cost \$1,500; under way; W. N. Walker, builder. For Captain Weller, plans for remodeling residence, estimated cost \$2,500; taking bids. Also small work, aggregating \$1,500.

Architect A. Van Brunt reports: For K. B. Armon, two brick dwellings, cost \$8,000; under way. For Albert Marty, five-story warehouse, 48 by 100 feet, cost \$16,000; under way. For H. H. Shepard, two-story brick dwelling, cost \$6,500; under way. For Thos. Emery's Sons, at Cincinnati, O., renovations, office building, cost \$2,000; under way. For North, Orison & Co., three-story brick warehouse, 48 by 120 feet, cost \$10,000; under way. For Milton Welsh, two-story brick dwelling, cost \$7,000; under way. For S. M. Ford, block of four two-story dwellings, cost \$10,500; under way. For Stumpf & Peltzer, block of six two-story dwellings, cost \$15,000; under way. For H. W. Ide, two three-story store buildings, 42 by 60 feet, cost \$10,000; plans finished. For John H. Brown, frame cottage, cost \$3,200; under way. For G. N. Blomm, addition to hotel, cost \$20,000; contract not let. For Chester Snider cemetery vault, cost \$4,600; under way. A part of the above work was reported in our last issue, but the name of the architect was omitted.

Architect J. W. Bryan reports: For Chas. M. Northup, two-story and attic brick dwelling, cost \$5,000. For Marks, Richards & Kisson, two-story and attic brick dwelling, cost \$3,500. For Butler & Tribble, four two-story brick dwellings, cost \$11,200. For H. Merriam, two-story and basement brick residence, cost \$5,000. For T. L. Sargent, two-story frame dwelling, cost \$2,700; contract not let. For L. W. Craig, four frame cottages, cost \$4,000. For Chas. Marshall, four frame cottages, cost \$5,000. For Craig & Northup, four frame dwellings, cost \$4,800. For H. M. Moffit, two-story brick dwelling, cost \$2,900. For J. F. Marks, four frame cottages, cost \$6,000. For D. W. Campbell, six two-story brick dwellings, cost \$7,000. For E. Dougherty, two-story frame dwelling, cost \$3,000. For W. G. Logan, five "half-timbered" dwellings, cost \$8,600. For James Nettleton, two two-story brick dwellings, cost \$5,000. For Marshall & Robertson, five brick dwellings, cost \$15,000. For Green Bros., three-story brick and stone business block, cost \$9,000; projected. For E. Northup, four two-story frame dwellings, cost \$5,800.

Kearney, Neb.—Architect John J. Kounh (Lincoln, Neb.) reports: For Dr. Oliver, a residence, 26 by 40 feet, cost \$3,000; under way.

Keokuk, Ia.—Architect I. C. Wyckoff reports: For Wm. Rees, brick printing-house, 40 by 90 feet, under way. For P. Gibbons, brick and frame cottage, 33 by 40 feet, cost \$2,500; under way. For R. Root, two-story frame dwelling, 26 by 55 feet; plans under way.

La Fayette, Ind.—Present condition, fair; outlook is improving. A \$30,000 flouring mill is being built of brick and stone; work done by the day; no architect employed.

Architect James F. Alexander reports: For J. Schuman, two-story frame dwelling, 32 by 60 feet, cost \$3,000; under way; Adam Herzog, builder. Mechanics' Hall, for Indiana Agricultural College, two-story brick, 110 by 178 feet, cost \$10,000; under way; D. P. Wortman, builder. German M. E. Church, brick, slate roof, 46 by 90 feet, cost \$10,000; under way; Adam Herzog, builder. The Tippecanoe County Court House is being finished. It is a three-story stone building, 168 by 179 feet, fireproof, cost \$400,000; Chas. Pearce, contractor. For Harris & Keys, block of three stores, brick, tin roof, 60 by 80 feet, cost \$5,000; under way; P. Watkins, builder. For Mrs. W. F. Reynolds, remodeling brick residence, 46 by 73 feet, cost \$4,800; under way; Adam Herzog, contractor. For Peter Deinhurt, two-story brick residence, 38 by 60 feet, cost \$4,600; under way; Adam Herzog, builder. For J. W. Paris, two-story frame dwelling, 36 by 47 feet, cost \$2,500; under way. For James Wallace, two-story frame dwelling, 40 by 63 feet, cost \$7,000; taking bids. For A. L. Kumlmer, two-story frame dwelling, 37 by 56 feet, cost \$6,000; taking bids. Also four three-story pressed brick tenements, 27 by 67 feet, cost \$12,000; taking bids. For Mr. Rogers, two-story frame residence, 43 by 71 feet, cost \$10,000; under way; John W. Lee, builder. For S. P. Thompson, two-story brick and stone residence, 43 by 61 feet, cost \$10,000; under way; J. Chew, builder.

Leavenworth, Kan.—There is a large amount of small work, such as cottages and repairs, being done; very few large private jobs. The United States postoffice building will probably be commenced about July 1.

Architects Carr & Grodavent report: For Frank O'Donnell, store building, 125 by 72 feet, pressed brick, gravel roof, cost \$25,000; contract let; M. E. Everett, builder. For O. B. Taylor, brick residence, cost \$14,000; contract let; Wm. Schroeder, builder. For W. M. D. Lee, remodeling brick dwelling, cost \$6,000; contract let; Wilcott & Stier, builders. For H. D. Rush, brick dwelling, cost \$18,000; being built by the day. For Frank O'Donnell, store building, 48 by 60 feet, cost \$5,000; contract let; H. W. Coldsen, builder. Western Branch National Soldiers' Home. The buildings will consist of eleven buildings, 35 by 170 feet; contract for the stone foundations has been let to Evans & Bricker, at \$30,000. Superstructure of ten barracks buildings let to Jas. A. McGerigle, at \$123,000. Plans are being made for a large dining hall, headquarters, officers' quarters, hospital, heating buildings, laundry, warehouses, etc., and will be ready for bids soon; Hornblower & Marshall, Washington, D.C., and Carr & Grodavent, Leavenworth, are the architects and superintendents.

Lincoln, Ill.—Architect W. Hunter reports: For Frank Frorer, three-story and mansard, brick and stone building, 55 by 77 feet, Queen Anne style, slate roof, cost \$25,000; W. Hunter, builder. For the city of Lincoln, two-story brick school house, 42 by 54 feet, cost \$6,000; receiving bids. For Jesse Forbes, two-story brick store building, 22 by 80 feet, roof on; W. Hungerford, builder. Also small work, amounting to about \$10,000; under way.

Lincoln, Neb.—Architect John J. Kounh reports: For Judge Worthendyke, club-house, 25 by 80 feet, cost \$4,500; under way. For Henry Goerger, double flat, 42 by 80 feet, cost \$7,500. For German Sangerfest, hall, 240 by 75 feet, cost \$3,500.

Logansport, Ind.—Architects Crain & Kruttsch report: For B. F. Killings, two-story brick residence, 36 by 66 feet, cost \$5,500; under way; James A. Burley, builder. Also small work to the amount of \$1,850.

Marshalltown, Ia.—Building outlook is poor; rents are low, and no demand for real estate.

Architect F. M. Ellis reports: For state of Nebraska, at Lincoln, insane asylum, three-story and basement, 244 by 72 feet, stone foundation, brick superstructure, cost \$75,000; contracts to be let June 23. At Norfolk, Neb., for school district, two-story and basement brick school house, 62 by 64 feet, cost \$12,000; contract to be let June 25. For Congregational Society, church building, 52 by 77 feet, one-story and basement, to be built of brick, superstructure frame, cost \$6,500; under way. For N. A. Rainboldt, two-story and basement brick dwelling, 40 by 55 feet, cost \$6,500. For J. S. McClary, two-story and basement brick store building, 25 by 90 feet, cost \$6,000; plans just completed. At Montrose, Iowa, two-story and basement brick school building, 86 by 72 feet, cost \$18,000; contract to be let June 28. At Newton, Iowa, for Wm. Lister, brick opera house, 66 by 100 feet, cost \$25,000; under way. At Huron, D. T., for O. P. Helm, brick opera house, 50 by 140 feet, cost \$25,000; under way. At Alexandria, Dak., two-story school house, 62 by 64 feet, cost \$20,000. At Anamore, Ia., school house, 60 by 70 feet, cost \$70,000; under way.

Mattoon, Ill.—The corner stone of the new Catholic church building has been laid recently; the estimated cost of the edifice is \$30,000.

Milledgeville, Ga.—Proposals will be received by Daniel B. Sanford, ordinary, to build a court house at this place. Bids to be opened July 9.

Milwaukee, Wis.—The foundations for the office building of the N. W. Insurance Co. are nearly completed, and the contracts are being let for the entire structure. It is reported on pretty good authority that the Chicago, Milwaukee & St. Paul Railway has purchased St. Gall's church and property, on the West Side, and will at once go to work on one of the finest depots in the country.

The board of public Works issued a building permit for the erection, by David S. Ordway, of a \$10,000 double residence at the corner of Astor and Knapp streets, in the first ward; a frame building, by Chris. Belan, in the second ward, to cost \$500; Wm. Pilger, a \$4,000 brick building, at the corner of Thirtieth and Wells streets; Wm.

Eschenburg, a frame residence, at 779 Seventh street, to cost \$1,600; A. Zellman, a \$700 brick-veneered building, in the second ward; James Gibson, a \$900 building, on South Bay, second ward.

The contract for the ironwork, including the floor, beams, columns, etc., to be used in the construction of the Northwestern Insurance Co.'s office building, S. S. Beman, of Chicago, architect, has been awarded to the Union Foundry and Pullman Car Wheel Works, of that city, the bids standing: Union Foundry and Pullman Car Wheel Works, for \$55,345; J. M. & J. B. Cornell, New York, \$57,321; Wagner & Co., Milwaukee, \$57,420; Dearborn Foundry, Chicago, \$57,800; The Sneed & Co. Iron Works, Chicago, \$59,146; Rust & Coledge, Chicago, \$59,950; Haugh, Ketcham & Co., Indianapolis, \$63,736; Bailey & Co., Milwaukee, \$67,680; Wolf, Milwaukee, \$67,999; Greenslade, Milwaukee, \$68,000.

Minneapolis, Minn.—Fully as many buildings are going up this year as last, and they are generally of a better character, says the *Pioneer Press*. That paper printed a few weeks ago a statement of the church buildings under way and to be built this year. Several additions have been made to the list, making the number of church edifices to go up twelve, and the estimated expenditure for this class of buildings about \$250,000. The boom in the erection of public buildings is not to end with the churches, however. No less than twelve important structures will be got under way this year, and some of them completed. These are with their estimated cost as follows: Government building, \$500,000; public library building, \$100,000; Masonic temple, \$150,000; Washburn home, \$75,000; Mechanic hall, state university, \$50,000; Two school houses and additions to existing buildings, \$75,000; Northwestern hospital, \$25,000; Bethany home, \$75,000; Minnesota College of Medicine, \$30,000; workhouse, \$50,000; total, \$1,130,000. To this list may be added the building of a house for the Minnesota club, which now has rooms in the Syndicate block. If such a building is erected, about \$100,000 will be put into site and structure. The corner of Hennepin and Sixth has been suggested as a favorable location—in fact, there is talk of the club house, the library and the Masonic temple all going on Hennepin avenue.

In the event of the non-acceptance by the Masonic Temple Building association of the Griswold site, at Nicollet avenue and Sixth street, Mr. Griswold proposes to proceed at once with the erection of a seven-story block, plans for which have already been prepared.

The following are the bids for the construction of a workhouse: H. E. Selden, \$42,875; McMillan & Cheney, \$44,965; Haglin & Morse, \$40,980; F. A. Fisher & Co., \$39,890. The contract was awarded to the last mentioned firm and the proper city officers were directed to execute a contract for building the workhouse in accordance with the plans and specifications, and the contractors to give bonds of \$10,000 for the faithful performance of the work.

Architects Long & Kees have prepared plans for a brick office building which Frank Holmes is to erect on Hennepin avenue and Eighth street. The structure will have a frontage of 75 feet and a depth of 90 feet, and will cost \$40,000. The present plans provide for a four-story building, although it is possible the owner may conclude to make it six stories high. Work will be commenced at once.

Architect E. E. Joralemon is preparing plans for the following buildings: Mr. Galusha, two-story, nine-room frame dwelling and double tenement house, cost \$10,000; two-story, eleven-room frame dwelling for C. A. Smith, estimated cost \$5,000; and a frame residence for George Dearborn, at Lake Calhoun, to cost \$3,000.

F. C. Ball is to build a residence of red pressed brick on Nineteenth street and Second avenue, to cost \$6,000.

A new company for the manufacture of glass goods is to be established in North Minneapolis, with a capital of \$200,000, of which amount more than one-half has been subscribed. It is proposed to erect a building 65 by 120 feet in size, to be built of stone, and covered with slate.

Carle A. Anderson has commenced work upon a three-story brick store building, corner Washington avenue and Thirteenth avenue south, to cost \$8,000. The front will be of pressed brick, and Mr. Anderson contemplates the erection of additions to the above, all of which will cost \$15,000. The work of excavating for D. R. Barber's new block on the corner of Fourth street and second avenue south has been commenced. The block will be three stories high, with red pressed brick front and brownstone trimmings. Work will be commenced at once on the block of houses to be erected by E. M. Wilson on the corner of Sixteenth street and Hawthorne avenue, to cost \$30,000. W. N. Holway is to build a block of eleven apartment houses on Fourth street and Twenty-sixth avenue north, after plans by W. D. Kimball. The building will cost \$20,000. Mrs. J. R. Sherburne is to build a \$7,000 house on Twelfth street at the foot of Linden avenue.

Building permits issued recently: B. D. Sprague, wooden dwelling and barn, Seymour avenue, between Orin and Clarence avenues southeast, \$8,400; Louis Knoblauch, two-story wooden dwelling and barn, corner Maple street and Hennepin avenue, \$4,300; A. Rinker, two-story wooden dwelling, Harmon place, between Tenth and Eleventh streets, \$4,000; Heinrich Brewing Company, five-story stone brewery at foot of Fourth street, corner River street south, \$50,000; George Summers, three-story brick dwelling, corner Fourth avenue and Tenth street southeast, \$20,000; Geo. Summers, four-story brick boarding-house, Fourth avenue and Tenth avenue south, \$12,000; Charles R. Mahen, two-story brick veneer building, with barn, between Fifth and Sixth avenues north, \$5,000; J. W. Tousley, two-story nine-room brick-veneered dwelling, Nicollet avenue, between Twenty-sixth and Twenty-seventh streets, \$4,700; J. W. Tousley, two-story nine-room brick-veneered dwelling, Nicollet avenue, between Twenty-sixth and Twenty-seventh streets, \$4,500; Edward N. Darrow, two-story fourteen-room brick dwelling, Harmon place, between Maple and Hennepin avenues, \$10,000; Minneapolis City, addition to brick school, Sixth avenue, between North Aldrich and North Bryant avenues, \$10,000; J. Boswell, frame dwelling and barn, Second avenue, between East Twenty-eighth and East Twenty-ninth streets, \$4,250; J. Anderson, two-story brick store, corner Riverside avenue and Twenty-fourth street, \$4,000; Herrick Bros. & Lowry, eight-story brick and stone block, Washington and Hennepin avenues, \$200,000; B. D. Sprague, wooden dwelling, Sydney avenue, near Arthur avenue southeast, \$5,000; F. C. Barrows, two-story wooden dwelling, Third avenue, between Fourth and Fifth streets south, \$4,000; P. J. Lamoreaux, two-and-a-half-story fifteen-room wooden dwelling, First avenue, between East Thirty-third and Thirty-fourth streets, \$7,500; P. J. Lamoreaux, two-and-a-half-story fifteen-room wooden dwelling, First avenue, between East Thirty-third and Thirty-fourth streets, \$7,500; P. G. Lamoreaux, two-story wooden dwelling, Snelling avenue, between East Seventeenth and East Eighteenth streets, \$4,000; P. G. Lamoreaux, two-story wooden dwelling, Snelling avenue, between East Thirty-seventh and Thirty-eighth streets, \$4,000; P. G. Lamoreaux, two-story fifteen-room wooden dwelling, Stevens avenue, between East Thirty-third and Thirty-fourth streets, \$7,500; First Unitarian Church Society, stone church building, corner Mary place and Eighth street south, \$25,000; J. R. Sherburne, two-story ten-room wooden dwelling and barn, Twelfth street, between Chestnut and Linden avenues north, \$7,400; W. E. Haskell, two-story ten-room wooden dwelling, West Nineteenth street, west of Vine place, \$7,000; A. Bumb, two-story wooden dwelling and store, Thirteenth avenue and Sixth street south, \$6,000; John Crosby, three-story brick veneer dwelling, Tenth street and Seventh avenue south, \$18,000; G. Glueck & Sons, two-story addition to factory, Marshall street, between Twentieth and Twenty-first avenues northeast, \$10,000; Peter H. Perry, two-story wooden dwelling and barn, Ridgewood avenue, near Pleasant south, \$5,500; William Regan, thirteen one and a-half-story brick veneer dwelling, Twenty-second and one-half avenue, between East Twenty and East Twenty-second streets, \$16,800; M. W. Glenn, boiler house, Second street, between Fifth and Sixth avenues, \$5,000; Alfred E. Merrill, two-story eleven-room brick dwelling, Harmon place, between Willow and Maple streets, \$10,000; Dennis Firm, one and a-half-story eight-room wooden dwelling, Third street, between Seventh and Eighth avenues north, \$8,000; Douglas & Manston, double two-story brick veneer store and flats, corner Nineteenth and Washington avenue north, \$8,000; Turnquist, Thompson & Geierhofer, four-story brick store building, Washington avenue, between First and Second avenues south, \$50,000; C. A. Smith, frame dwelling and barn, West Twenty-fourth street and South Emerson avenue, \$5,500; Alex. Barnes, two-story nine-room wooden dwelling, Lowell avenue, between Sixth and Eighth avenues, \$6,000; Rosa A. Wright, eight three-story brick tenements, corner Eighth street and Third avenue south, \$25,000; barn, \$500; D. R. Barber, brick store and flats, Second avenue south and Fourth street, \$30,000; E. B. Wolf and Thomas Owen, three frame dwellings, East Twenty-fifth street, between Seven-and-a-half and Eighth avenues, \$5,200; Minnesota Linseed Oil Company, brick addition to factory, Tenth avenue south, between Washington avenue and Third street, \$4,000; Philip Lockwood, brick store, corner Washington and Twentieth avenues south, \$6,500; J. A. Amory, dwelling and barn, Oak Grove street and Spruce place, \$5,300; E. Rannidy, two-story ten-room wooden dwelling, and barn, East Sixteenth street and Chicago avenue, \$6,500; Ell Torrence, two-story thirteen-room wooden dwelling and barn, Park avenue and Twenty-fifth street south, \$10,800; B. D. Sprague, wooden dwelling, Sydney avenue, near Arthur avenue southeast, \$5,000; D. G. Thompson, three two-story eight-room wooden dwellings, Fifth avenue, between Twenty-second and Twenty-fourth streets south, \$6,300.

Total number of permits issued from January 1 to May 30, 1,251; total cost, \$2,480,411.

Mt. Clemens, Mich.—Architect N. J. Gibbs reports: For Henry Bloss, business block, 70 by 100 feet, cost \$80,000; foundations in; W. H. Myers, contractor. For Mucosta county, Mich., at Big Rapids, court house, 80 by 80 feet, cost \$30,000; contracts to be let June 15. At Traverse City, Mich., Union School House, 65 by 80 feet, cost \$20,000; contracts not let. For R. Ulrich, dwelling, 44 by 70 feet, cost \$8,000; contract not let. For Mr. Drexell, dwelling, 30 by 60 feet, cost \$4,000; contract not let. For John Kuhn, brick dwelling, 40 by 70 feet, cost \$6,000; finished; J. M. Heath, builder. For C. S. Gale, brick dwelling, 38 by 65 feet, cost \$5,500; finished. For Dr. Fremont, frame cottage, 30 by 60 feet, cost \$2,800; nearly finished.

Nassau, Ia.—The M. E. Church Society are contemplating the erection of a brick church, to cost about \$7,000. A brick hotel is being erected, cost \$7,000.

Nevada, Mo.—Architects Roeder & Lynch (St. Louis) report: City school house, two stories, 50 by 65 feet, with two wings, 10 by 32 feet, cost \$13,000; projected.

New Corporations.—The following certificates of incorporation were filed with the secretary of state: The Buckeye Lumber Company, of Youngstown, O.; capital stock, \$10,000. Globe Iron Roofing and Paint Company, of Cincinnati; capital stock, \$20,000. The Keystone Quarry Company, of Spencer, Owen county, Ind.; with a capital stock of \$15,000. James Landers, George W. Kennard and Samuel O. Pickens constitute the board of directors. The Metropolitan Fire Escape Company, at Chicago; capital stock, \$100,000; incorporators, Cyrus Kehr, Ambrose Risdon and Charles N. Sanman.

New Orleans, La.—On the 21st the Exposition Jury engaged upon the trial of the architectural designs exhibited for competition, awarded the gold medal for the first prize to Edward Sidel, the talented young architect who was the chief assistant of Mr. G. M. Torgeson in preparing the plans for the exposition buildings. Mr. Sidel is a native of Paris, France, where he graduated in the School of Arts; his professor was Garnier, the architect of the Grand Opera House in Paris. The young architect came to America about four years ago, and worked, among other places, with Prof. Wm. Rare, one of the most prominent architects in New York, and is professor of architecture in Columbia College School of Mines, New York; formerly professor of architecture in the Massachusetts Institute of Technology, at Boston, at the same time a member of the architectural firm of Ware & Van Brunt; was originally a pupil of Richard M. Hunt, architect, New York, a fellow of the American Institute of Architects since 1865, and who is a native of Boston; has been twice abroad but never lived there. Mr. Sidel made several designs for Ware. One of his designs at the exposition was that of an immense hotel. The jury say they would have awarded the prize for this alone. Mr. Sidel has been engaged for several important structures in this city, where he intends to locate. Business is very dull, nothing of importance going on.

Architect Thos. Sully reports: For B. Beer, two-story frame residence, cost \$8,000; under way; A. Thusen, builder. For S. Keuffer, two-story frame residence, cost \$8,500; A. Thusen, builder.

New York City.—John Jacob Astor is to erect an office building at Nos. 8, 10, and 12 Wall street, and Nos. 7 and 9 Pine street. It will be 200 feet deep, and will extend 66 feet deep in Wall street, and 45 in Pine. It will be nine stories high, and crowned with a mansard and gable roof. The ground and the first floors will be devoted to banking purposes. The first two stories will be constructed of Carlisle stone; those above them of red brick and terra-cotta. The building will be fireproof. There will be three passenger elevators, and one for freight, capable of carrying eleven tons. The pneumatic system will be introduced, so that each office will receive its mail from the ground floor. Each office will have an open fire-place and a bronze mantel, and will be so decorated that the lightest rooms will be toned down, and the darker rooms given lighter effects. The banking floor will be unusually handsome. The inner courts will be of buff brick and terra-cotta, and the main hallway and staircase will be finished in marble, buff brick and terra-cotta. The light-wells will be about twenty feet square. Electricity will be used for lighting. The new building will be ready for occupancy in about a year. The cost will be \$500,000.

Northfield, Minn.—The corner stone of the Y. M. C. A. building was laid May 26. The building will cost about \$5,000.

North Springfield, Mo.—Outlook good; a number of buildings projected.

Architect S. B. Abbott reports: For Progress Coal Co., at Pittsburgh, Kan., three-story brick and stone business block, 50 by 120 feet, cost \$15,000; under way; Fred Massman, builder. For B. F. Hobart, at Litchfield, Kan., two-story frame business house, 47 by 100 feet, cost \$4,000; contract let; Wm. Dougherty, builder. For Paffs & Co., Pierce City, Mo., three-story brick hotel, 50 by 250 feet, cost \$40,000; finishing work done by the day. For F. H. Chester, frame dwelling, 30 by 50 feet, cost \$3,000; Geishwiler & Co., builders. For A. P. Hurwood, two-story frame dwelling, 20 by 40, and 16 by 36 feet, cost \$3,500; finished.

Ottumwa, Ia.—Architect Edward Clark reports: For J. A. Myers, two-story frame dwelling, 36 by 56 feet, cost \$4,500; projected. Grand River College, at Trenton, Mo., two-story and mansard, brick and stone, iron cornices, 33 by 63 feet and 33 by 66 feet, cost \$7,500; under way; C. Hall, builder. For Thos. Mullany, two-story brick and stone store building, 22 by 60 feet, cost \$2,000; under way; J. Moore, builder. Also smaller work in hand amounting to \$2,200.

Peoria, Ill.—Fred Meints, the contractor and builder, is now at work on the following buildings: Two two-story dwelling houses for M. Densberger, corner of Goodwin and Fourth streets, eight rooms each, with all modern improvements, to cost \$2,200 each. One-story frame cottage for James Gregg, on Fourth street, modern improvements, at a cost of \$1,600. One-story cottage for Mrs. Hawkins, on Seventh street, at a cost of \$1,200. Two-story double brick business house on South Washington street, for Charles Breier, at a cost of \$5,000. Two-story building for James Fitzgerald, on Hurlburt street, to cost \$1,700. Two-story brick dwelling on Eaton street, for Mr. Stoltz, to cost \$3,600. This will be one of the finest residences in the city, and will contain all modern improvements. Remodeling house of Mr. Fuller, on Madison street, at a cost of \$1,000. Building ice house for Philip Best Brewing Company, at a cost of \$1,000. Rebuilding rear of John Fay's saloon, destroyed by fire, \$1,100. Architect P. F. Mehler: For Mrs. Keller, brick store building, cost \$7,000.

Philadelphia, Pa.—Mr. Paul Bradner is the architect of a three-story and basement stone building, with ornamental brick and terra-cotta facings, to be erected on the corner of Sixth and Vine streets, to be used as a music hall by the Young Maennerchor Society, cost \$35,000.

Pleasant Grove, Ia.—Architect F. M. Ellis (Dubuque, Ia.) reports plans prepared for the erection of a Roman Catholic church building, frame, 40 by 76 feet, cost \$3,000.

Richmond, Va.—Architect Albert Sybrock: For the Mozart Academy of Music, a music hall, to cost \$30,000.

Ripon, Wis.—Architect A. N. Barny reports: For A. B. Pratt, block of three stores, Milwaukee pressed brick fronts, with Ohio sandstone trimmings, cost \$7,000; under way; Lanning & Radway, builders. For B. F. Keenan, two-story dwelling, cost \$2,500; under way; Geo. Wren, builder. For Dr. Panniter, cottage, to cost \$2,000. Also smaller work amounting to about \$2,000.

Sioux City, Ia.—Architect G. G. Baldwin: For J. E. Stone, block of brick stores and dwellings.

Sioux Falls, Dak.—Building business somewhat dull. A number of small dwellings are being built, and several good residences contemplated.

Architect W. L. Dow reports: For R. C. Waples, two-story stone business block, 110 by 60 feet, cost \$12,000; under way; Hans Oleson, builder. For Wm. Van Epps, two-story brick veneer block, 44 by 70 feet, cost \$6,000; taking bids. For E. A. Sherman, two-story brick veneer dwelling, 88 by 66 feet, St. Louis pressed brick, with stone trimmings, cost \$14,000; A. S. Leonard, builder. For Coats & Hollister, frame dwelling, 28 by 36 feet, cost \$3,000; E. Maurel, builder. For W. P. Carr, frame dwelling, 38 by 42 feet, cost \$5,000; under way; H. A. Green, builder. For J. A. Cooley, at Dell Rapids, two-story brick business block, 44 by 80 feet, cost \$9,000; under way; Augstead & Kay, builders. Independent school district, at Dell Rapids, two-story stone school building, 40 by 62 feet, cost \$6,000; under way; J. Augstead, carpenter; J. M. Mason, mason. For N. A. Uline, at Dell Rapids, two-story brick business block, 22 by 80 feet, cost \$4,000; ready for bids. Plans have been prepared for a new Presbyterian church building to be erected in this city.

Springfield, Ill.—Very little building being done this season.

Architect Geo. H. Helmle reports: For Booth & McCosker, two-story brick, with stone trimmings, 60 by 60 feet, cost \$8,000; projected. For Isaac A. Hawley, two-story brick residence, 30 by 50 feet, cost \$4,000; projected. For Hon. Chas. P. Swigert, remodeling residence; under way; W. K. Huston, contractor.

Syracuse, N. Y.—The contract for the erection of the five-story fireproof building, for the Third National Bank, has been let to John Moore.

Sandusky, O.—Architects Findley & Shively, of Fremont, O., report: For Jacob Kuebler, brick and stone building, 41 by 56 feet, cost \$9,000; projected. For August Kuebler, brick and stone building, 41 by 56 feet, cost \$9,000; projected. For Hermon Engles, brick and stone building, 21 by 49 feet, cost \$5,000; under way; Jacob Py, builder.

Seymour, Ind.—No large buildings under way or projected, but a number of cottages being built, and all mechanics are busy.

Architect J. Balsley reports: For Mrs. Nate Robinson, frame dwelling, 40 by 42 feet, slate roof, cost \$2,100; projected. For the Presbyterian Society at Crothersville, Ind., frame church building, 29 by 44 feet, style, Gothic, spire, 65 feet high, cost \$2,000.

St. Joseph, Mo.—Architects Eckel & Mann report: Pottawatomie County, Iowa, Court House, at Council Bluffs, two-story brick, stone-facing, fireproof, 100 by 150 feet, cost \$150,000; contracts not let. Jail building, 45 by 55 feet, brick, slate roof, steel cells, cost \$30,000; under way; Wickham Bros., contractors; Hough, Ketcham & Co., of Indianapolis, Indiana, furnish the ironwork. Additions to the State Insane Asylum, two wings, each 38 by 180 feet, three stories high, brick, with slate roof, cost \$100,000; contracts not let. For N. P. Ogden, three-story stone residence, 50 by 78 feet, slate roof, cost \$47,000; under way; Peter Meyer, Quincy, Ill., builder. For J. S. Brittain, three-story brick residence, 75 by 75 feet, slate roof, cost \$30,000; under way; John DeClure, builder. For James McCord, three-story brick residence, 54 by 65 feet, slate roof, cost \$32,000; projected. For DeKalb County, Illinois, court house and jail at Sycamore, two-story brick, slate roof, 68 by 100 feet, cost \$20,000; contracted; Switzer, Richards and Nesbitt, contractors. School house at Albany, Mo., two-story brick, 60 by 68 feet, slate roof, cost \$15,000; contracted; Mulland & Valin, builders. School house at Helena Ark., two-story brick, 60 by 68 feet, slate roof, cost \$15,000; contracts not let. Block of four two-story brick houses, 84 by 57 feet, for Mrs. Huber, cost \$12,000; contracted. For John McDonald, two-story brick residence, slate roof, cost \$4,600; contracted. For John Maddux, two-story brick residence, slate roof, cost \$3,500; contracted. For E. T. Walker at Cameron, two-story frame dwelling, cost \$3,200; contract not let. For W. R. Davis, at Miltonvale, two-story frame dwelling, cost \$3,800; contract not let. For Samuel Westheimer, three-story brick store building, 40 by 130 feet, cost \$10,000; contracts not let. For Dr. Griger, three-story office building, 40 by 60 feet, cost \$8,000; partially contracted. Also two-story brick office building, 60 by 50 feet, cost \$5,000; contracted; Chas. Nold, builder. For Peter Stevenson, two-story double brick dwelling, 40 by 55 feet, cost \$6,000; contract not let. St. Joseph Board of Trade building, four-story, brick, 60 by 130 feet, cost \$8,500; contracted; R. K. Allen, builder.

St. Louis, Mo.—The project for the new \$2,000,000 city hall seems to be taking tangible shape, the latest movement being an offer by five reputable citizens to erect the structure free of charge to the city, providing the city will agree to give them the increase in revenue from real estate within a radius of five blocks of the market for the first five years after the building is finished. There are several important changes in the city building laws strongly urged by architects. They think the thickness of the walls of buildings should be left to the commissioners of buildings, the size of flues should not be prescribed nor the height of chimneys, and that the height of chimneys of factories should be raised to a height beyond chance of injury to surrounding property, smoke and steam pipes should be surrounded with fireproof material, the size of stairways in theaters and other public buildings should be at least as wide as the exits and fireproof and several others. It is the general opinion that the State Architectural Association should take the matter under advisement and present a revised form of the building ordinance to the council.

The St. Louis club house, of which Peabody & Stearns, of Boston, are the architects, is approaching completion and is architecturally and in arrangement a credit to the city.

Architect C. C. Helmer: Addition to the American Refrigerator buildings, at the foot of Cedar street.

Messrs. Eames & Young have contracted to build the residence of Prof. Halsey Ives, also one for city counselor Bell, to cost \$8,000 each.

Architect Cairns has plans for store and flats, 22 feet front, for Mrs. S. A. Steele.

Architect Isaac S. Taylor has plans for a five-story building, 28 by 125 feet, for Mrs. J. Clark, of New York City. The building is to be of brick and terra-cotta, cost \$30,000.

For Mrs. W. McKee, three detached store and apartment buildings, to cost \$15,000.

Architect Frank Capitain: For W. G. McRee, residence, cost \$18,000; under way.

Four tenement houses, cost \$3,000. Three two-story tenements, stone front, cost \$6,500, and three two-story tenements, cost \$5,500; all for Wm. Keating, For C. Wallforth, two-story store and dwelling, cost \$3,500. For Mrs. Waggaman, four two-story tenements, cost \$4,500. Also preparing drawings for club house, to cost \$16,000.

Architect Chas. K. Ramsey has finished plans for a store and flats for Mrs. Krainka.

Architect Chas. F. May: For Ernst Schneller, three-story building, cost \$6,000.

Architects Jungfeld & Co.: Addition to Green Tree Brewing Co.'s stock-house, cost \$20,000. For Anheuser-Busch Brewing Co., seven-story malt-house, 80 by 160 feet, and kilnhouse, 40 by 40 feet. Also stable, to cost \$15,000. Stifel's Brewery, a fireproof malt house and machinery department house.

Architect Louis C. Buckley: A twenty-four room addition to the Memorial Home, cost \$8,000; plans just finished.

Architect L. C. Miller: For N. B. Thompson & Co., three-story building, cost \$12,000; nearly finished.

Architect Thos. W. Brady: For James Culliam, five two-story houses, cost \$9,000. Also two six-room houses, to cost \$4,000; plans finished.

Architects Grable & Weber: For M. A. Rosenblatt, three-story apartment building, 87 by 160 feet, corner of Grand avenue and Olive street. The facades will be after the Renaissance style of architecture, carried out in ornamented brick and Lake Superior brownstone trimmings. Ornamental bay windows, commanding an extended view of the street, and a projecting circular tower at the corner, extending to the height of 70 feet, will add to the generally imposing appearance of the building. All the modern appliances are to enter into the interior fittings, and each of the three halls is to be paved with Italian marble, and the wainscoting will be of native marble. The cost of the improvement is estimated at \$80,000, and is to be completed December 1. Plans are also in preparation in this office for three apartment houses, with stores beneath. They are to be put up at on expense of about \$12,000, on the corner of Garrison and Cardinal avenues, by Henry Sayers. Sketches are also being prepared for a \$7,000 store and tenement building, to be put up on the west side of Second, between Elm and Myrtle. This firm is also superintending the building of three five-story business houses on the south side of Olive, between Eleventh and Twelfth streets. Immediately adjoining this property three other buildings of the same dimensions are being put up, under the direction of George I. Barnett, for D. Catlin and Peter O'Neill. These Olive street improvements will cost in the aggregate \$30,000.

Architect J. H. McNamara has on his boards the design for an addition to the penitentiary at Jefferson City. It will be four stories high, including a basement, 60 by 187 feet. The ironwork for the structure has been let to MacMurray, Judge & Co., for \$19,000.

Architect J. B. Legg: For Wm. C. Ploss, Jr., roller skating rink, to cost \$12,000; projected. For G. H. Timmerman, five-story fireproof building, to be commenced August 1, on Sixth street, near Pine, cost \$32,000.

Architect Geo. I. Barnett: For Messrs. Catlin & O'Neil, block of five-story stores and offices, cost \$55,000; work commenced.

Architects Peabody & Stearns: For Geo. Blackburn, cottage, cost \$6,000.

Building permits: C. E. Briggs, \$3,200 tenement house, east side of Eleventh street, between Dock and Buchanan streets. Jerry Sheehan, \$7,000 tenements, south side of Garfield avenue, between Grand avenue and Spring street. Aug. Rebenark, \$3,500 tenements, west side of Jefferson avenue, between Arsenal and Wyoming streets. F. Varrell Mann, store and dwelling on southeast corner of Miami and Jefferson avenue, \$6,800.

St. Paul, Minn.—Plans for the new building about to be erected on the corner of Sixth and Jackson streets, by the Bank of Minnesota, will be submitted to the building inspector for approval in a few days. The building will be six stories, constructed of brick, at a probable cost of \$850,000.

A special meeting of the county commissioners was held to further consider the plans for the new almshouse. The minor changes suggested at the last meeting were approved, and a few other alterations made in the details of the superstructure.

The plans for the proposed new Protestant Orphan Asylum have been made, and the permit issued. The building will be a three-story brick structure, and will cost, according to estimate, \$20,000. It will be located on Marshall avenue, between St. Albans and Dale streets.

Several handsome brick store buildings will be erected on Dakota avenue, West St. Paul, this season—among them the structures of George Marti and M. S. Bell, to cost \$12,000 and \$8,000 respectively. S. Watson is to erect an \$8,000 three-story brick block double dwellings on St. Peter street, between Tilton and Buff streets. Lane K. Stone and E. G. Rogers will erect a block of stores and dwellings on Kittson street, between Fifth and Sixth, to cost \$10,000. Dr. C. E. Rugg is erecting a \$5,000 residence on Dayton avenue, between Kent and Dale streets. Cary I. Warren is building a frame

dwelling on Van Slyke avenue, between Cross and Churchill streets, to cost \$4,000. James Hanson is building a residence on St. Peter street, between Tilton and Iglehart streets, to cost \$7,000. William Fink is putting up a \$3,500 brick residence on East Third street, between Maple and Bates streets. Mrs. Anna Wheeler of Milwaukee is erecting a \$1,000 double frame dwelling house on Burr street. A grist mill is to be built in the section northeast of the foundry addition. Four new churches are to be built this summer in that part of the city north of the Manitoba tracks, and between Rice and Dale streets. Otto Streissguth is to erect at once a two-story brick store at the corner of Bradley and North streets. The walls of the Minnesota club house have reached above the second story. A new business block is being erected on the ground adjoining Pfeifers block. A \$4,000 addition is to be made to St. Adelbert's Polish Catholic church on Charles street. Dr. V. J. Hawkins will build a handsome residence at the corner of Cambridge and Susan streets. C. F. Meyer & Co. have purchased a lot in West St. Paul, on Dakota avenue, between Chicago and Indiana avenues, and will build thereon a three-story brick store, to cost \$10,000. Nachtsheim & Andres will build a \$4,500 three-story brick store and dwelling on Sixth street, between Franklin and Washington streets.

Among the building permits recently issued are the following: Alfred Dufrene, three-story brick building, stores and offices. East Robert and Eleventh streets, between Eleventh and Twelfth streets, cost \$20,000. Congregation of St. Adalbert church, frame addition to church, north side Charles street, between Kent and Dale streets, cost \$4,000. James Hanson, two-story frame dwelling, east side St. Peter street, between Iglehart and Tilton streets, cost \$5,000. Macktsheim & Audres, three-story brick store and dwelling, south side Sixth street, between Franklin and Washington streets, cost \$4,500. Protestant Orphan Asylum, Marshall avenue, between St. Albans and Dale street, cost \$20,000. K. P. Cullen, two-story brick-veneered livery stable, Selby, between Western and Arundel street, cost \$5,000. George Morte, three-story double brick store, offices and hall, east side Dakota avenue, between Fillmore and Fairfield streets, cost \$10,000. M. Biefeld, two-story brick block stores and dwellings, East Seventh street, between Forest and Mendota streets, cost \$15,000. H. H. Mayall, four-story brick block of stores and hotel, Jackson near Seventh street, cost \$15,000. John J. Frantschi, two-story brick block of brick stores and dwellings, Concord, between Robie and George streets, cost \$6,000. John Caulfield, frame double dwelling, Ashland, between Western and Arundel streets, cost \$6,000. John G. Hinkle, two-story brick dwelling, north side Lyndhurst avenue, between Albion and Fonia avenues, cost \$14,000. Minnesota & North-Western Railroad company, brick-veneered freight house, Ducas, between Indiana and Chicago streets, cost \$7,000. Minnesota & North-Western Railroad Company, brick round house and turn table, Custer, between Odell creek and Wood street, cost \$15,000.

Tama City, Ia.—Architects Jasselyn & Taylor (Cedar Rapids) report: For A. C. Murdough, three story and basement brick hotel, 50 by 80 feet, cost \$18,000; under way; work done by the day.

Texarkana, Ark.—F. Wm. Raeder of St. Louis is the engineer in charge of the new water works. Five and one-half miles of mains and machinery in duplicate, 2,000,000 gallons capacity in 24 hours, under way.

Topeka Kan.—A permit has been issued to D. C. Metsker for the erection of a business house, 284 Kansas avenue, to cost \$3,500.

Washington, D. C.—Architects Chiss & Schulze have prepared plans for the new Army Medical Museum, to be erected on the corner of Seventh and B streets, to be built of brick, with terra-cotta trimmings, two and three stories high, thoroughly fireproof. The appropriation for the building was \$200,000, but it is thought the amount will be increased at the coming session of congress. Work will not be commenced until fall. Colonel T. L. Casey will superintend the construction of the building.

Architect J. B. Brady has completed plans for the new homeopathic hospital building for which congress has made an appropriation. It will be three stories and basement in height, 40 by 50 feet. The commissioners will advertise for bids soon.

Mr. Wm. Richardson, of Boston, is the architect of a residence to be erected on K street, between Fifteenth and Sixteenth streets, to cost between \$75,000 and \$100,000.

The building inspector of government buildings is making plans for a school building to be erected on Third street, West Washington, cost \$20,000.

York, Neb.—Architect John J. Kouhn (Lincoln, Neb.) reports: For W. Baras residence, 28 by 50 feet, cost \$3,000; under way.

Architect N. A. Sherman reports: For J. T. McConaughy, two-story brick bank building, 24 by 40 feet, cost \$2,600; projected. For E. B. Atkins, one-story frame dwelling, 24 by 30 feet, cost \$900; under way; N. A. Sherman, builder.

Architect Wm. A. Bell reports: For F. K. Atkins, two-story frame dwelling, 40 by 51 feet, cost \$3,000; just commenced; N. A. Sherman, builder. Plans for the ward school buildings, 37 by 54 feet each, stone foundations, superstructure, brick veneer, with stone trimmings, cost \$3,000 each; taking bids.

Zanesville, O.—Building business is very dull, with little prospect of it getting better.

Architect Henry C. Lindsay reports: For the American Tile Works, addition to works, 96 by 125 feet; under way; Evans & Co., builders. For W. E. Guthrie, two-story brick residence, irregular in size, to cost \$5,000; under way; Geo. M. Kerner, builder. For Henry Koenig, two-story brick residence, T-shaped, cost \$3,500; contract not let. For Mr. Sheely, two-story store building, 20 by 100 feet, cost \$3,000; under way; Geo. M. Kerner, builder. For Mrs. Lizzie Ebert, a double two-story house, 38 by 58 feet, cost \$3,500; under way; W. E. Nesbaum, builder. For Thos. Drake, two-story warehouse, 24 by 70 feet, cost \$3,000; contract not let. For Schultz & Co., addition to soap factory, 30 by 60 feet, cost \$4,000; under way; T. B. Townsend, builder.

Bids and Awards

FOR THE NORTHERN, EASTERN AND SOUTHERN INDIANA HOSPITALS FOR INSANE.

PLUMBING AND WATER DISTRIBUTION.

BIDDERS.	N. Hosp.	E. Hosp.	S. Hosp.	Total.
S. I. Pope & Co., Chicago, Ill.....	\$12,524 00	\$14,203 00	\$9,692 00	\$36,419 00
A. W. Stevens, Logansport.....	14,120 07	.....	.....	.....
Gibbons & McCormack, Dayton, O.....	.....	19,390 73	.....	.....
C. W. Meikle & Co., Indianapolis....	.....	.....	10,357 00	.....
S. A. Bate, Evansville.....	.....	.....	10,590 00	.....

BOILERS AND TUBULAR WATER TANKS.

BIDDERS.	N. Hosp.	E. Hosp.	S. Hosp.	Total.
S. I. Pope & Co., Chicago, Ill.....	\$5,629 00	.....	.....	.....
Walworth Mfg. Co., Boston, Mass....	5,787 47	.....	.....	.....
Kelly & Jones Co., Pittsburgh, Pa....	5,949 69	\$9,955 76	.....	.....
Erie City Iron Works, Erie, Pa.....	6,066 00	.....	.....	.....
G. C. Morgan, Chicago, Ill.....	6,412 00	.....	.....	.....
Babcock & Wilcox, Chicago, Ill.....	8,723 33	.....	.....	.....
Heine Boiler Co., St. Louis, Mo.....	9,869 27	\$9,869 27	.....	\$19,738 54
Sinker, Davis & Co., Indianapolis..	10,824 00	.....	.....	.....
.....	6,312 00	.....	.....	.....

STEAM HEATING.

BIDDERS.	N. Hosp.	E. Hosp.	S. Hosp.	Total.
Kelly & Jones Co., Pittsburgh, Pa....	\$14,087 40	\$9,658 49	\$9,612 50	\$33,358 39
Sam'l I. Pope & Co., Chicago, Ill....	15,829 00	11,128 00	8,889 00	35,846 00
Shaw, Kendal & Co., Toledo, O.....	18,412 52	.....	.....	.....
Walworth Mfg. Co., Boston, Mass....	18,598 93	14,082 54	15,920 70	48,602 17
Knight & Gibson, Indianapolis.....	.....	14,448 60	18,382 67	.....
Gibbons & McCormack, Dayton, O.....	.....	15,403 65	.....	.....
J. T. Foby & Co., Nashville, Tenn....	.....	.....	13,353 43	.....

PUMPING ENGINES.

BIDDERS.	N. Hosp.	E. Hosp.	S. Hosp.	Total.
Gordon & Maxwell Co., Hamilton, O.	\$760 00	\$1,200 00	.....	.....
S. I. Pope & Co., Chicago, Ill.....	797 00	911 00	.....	\$1,708 00
Worthington, J. R. Williams, St. Louis	866 75	1,342 29	1,342 29	3,551 33
.....	.....	\$1,012 29	.....	.....
Dean Bros, Indianapolis.....	900 00	1,300 00	1,300 00	3,500 00

\$101,483 28

* Accepted.

PRICES OF LABOR.

	Alton, O.	Austin, Tex.	Bloomington, Ind.	Chicago, Ill.	Cheyenne, W. T.	Cincinnati, O.	Dubuque, Ia.	Des Moines, Ia.	Detroit, Mich.	Evansville, Ind.	Fargo, D. T.	Hastings, Neb.	Joliet, Ill.	Kansas City, Mo.	Minneapolis, Minn.	Omaha, Neb.	Sioux City, Ia.	St. Louis, Mo.	Toledo, O.
Bricklayer.....	\$3 00	\$4 00	\$4 00	3 50@4 00	\$6 00	\$4 50	\$4 00	\$4 00	\$3 25	\$3 75	\$3 50	\$4 00	\$4 00	\$3 50	\$4 00	\$4 00	\$3 50	\$4 50	\$4 50
Brickmason (Front).....	5 00	5 00	5 00	4 50@5 00	10 00	4 50	5 00	4 50	3 25	4 50	4 00	4 50	4 00	4 00	4 00	3 75	5 00	6 00	6 00
Carpenter.....	2 50	2 50	2 50	2 50@2 75	3 00	2 50	2 75	2 50	1 75	2 00	3 00	2 25	2 50	3 00	2 50	2 50	2 50	3 00	3 00
Cabinetmaker.....					3 00			3 00	2 00					3 00	3 00	3 00	3 00	3 00	3 00
Finisher.....		3 00		3 00	3 50	3 00	3 00	3 50	1 75					3 00	3 00	3 00	3 00	3 00	3 00
Gasfitter.....				2 50@3 00	3 25	3 25	2 50	3 00	2 75	3 50	3 00	3 00	2 50	3 00	3 00	3 00	3 00	3 50	3 50
Laborer.....	1 75	1 50	1 50	1 25@1 75	2 50	1 50	1 50	1 75	1 25	2 00	1 75	1 50	1 50	2 00	1 50	1 50	1 50	2 00	2 00
Painter.....	2 00@2 25	2 50		2 25@2 50	3 00	2 50	2 50	2 50	2 25	2 50	2 50	2 00	2 25	2 75	2 50	2 50	2 50	3 00	3 00
Glazier.....					3 50			3 25	2 25	2 50	2 50	2 00	2 00	3 00	3 00	3 00	3 00	3 50	3 50
Plasterer.....	2 50	3 50@4 00	3 50	8 hrs. 3 50	4 50	3 50	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 50	4 50	2 75	4 50	5 00
Plumber.....		2 50@3 00	3 50@4 00		4 00	3 50	3 50	3 50	2 75	5 00	3 00	3 00	4 00	3 00	3 75	5 00	3 50	5 00	5 00
Stonemason.....	3 00	3 50	2 50	4 00	5 00	3 50	3 50	3 50	3 00	5 00	3 00	3 00	3 00	3 00	3 75	5 00	3 50	5 00	5 00
Carver.....	5 00	4 00	4 50@5 00	4 50	5 50	5 00	5 00	5 00	5 00	5 00	5 00	5 00	5 00	5 00	5 00	5 00	5 00	5 00	5 00
Stonemason.....	3 50	4 00	4 00	3 75@4 00	4 50	3 50	3 50	4 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00
Stonesetter.....	3 50	3 50	3 50	4 00	4 00	4 00	4 00	4 50	3 25	3 00	3 00	3 00	3 00	3 50	4 00	4 00	4 00	4 50	4 50
Roofer (Tin).....			2 75	2 75	3 25	2 75	2 50	2 50	2 50	3 00	3 00	3 00	2 50	2 75	4 00	3 00	2 50	2 50	2 50
Slaty.....			2 75	3 00	3 25	3 25	3 50	3 00	2 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00	3 00
Stairbuilder.....		3 50	3 00	3 25@3 75	4 50	2 75	3 00	3 25	2 50	3 00	5 00	4 00	3 00	3 00	3 00	5 00	3 00	5 00	5 00
Steamfitter.....				3 50	3 50	2 50	3 50	3 25	2 75	3 00	3 00	3 50	3 00	3 00	3 50	4 00	3 50	3 50	3 50

PRICES OF BUILDING MATERIALS.

CHICAGO, June 10, 1885.
BRICK. Per M.

Common.....\$ 8 25@8 75

Fronts:

Chicago pressed (Anderson).....22 00@29 00

St. Louis pressed.....27 00

Purinton Kimbell "Standard".....26 00

Indiana pressed.....16 00@28 00

Philadelphia pressed.....42 00@45 00

Milwaukee pressed.....25 00

Trenton.....38 00

Zanesville (Harris Bros.).....33 00

Perth Amboy Buff.....50 00

" " Mottled.....50 00

Moulded:

Chicago (Anderson).....\$65 00@300 00

St. Louis.....50 00@125 00

Indiana.....25 00@50 00

Zanesville (Harris Bros.).....75 00

Enameled:

Enameled edge.....90 00

Enameled edge and end.....105 00

Enameled (Harris Bros.).....90 00

CEMENT, LIME, ETC. Per Cask.

Chicago Lime.....\$ 0 65@75

Wisconsin.....96@1 00

Milwaukee, Utica, Louisville, Akron.....1 00@1 25

Portland.....3 25@3 50

Keene's coarse.....7 50@9 00

Keene's fine.....11 00@12 50

Plaster of Paris.....1 75@2 00

Hair (cattle), per bu.....20 00

Hair (goat), per bu.....40 00

Sand (lake shore), per yard.....1 00@1 25

STONE.

(Quotations furnished by J. S. F. Batchen.)

Limestone: Per cubic foot.

Buff Bedford.....\$ 50

Blue Bedford.....65

Hoosier blue Bedford.....65

" buff.....50

Joliet.....35@50

Lemont.....40@50

New York bluestone.....1 35@1 40

Foundation:

Dimension.....20@25

Rubble, per cord.....8 00

Sidewalk.....40@1 00

Planed.....40@1 00

Sandstone:

Hummelstown Brown Stone.....1 50

Brown Connecticut.....1 50

Amherst.....60@75

Ereia.....55@65

Brown Potomac.....1 25

Carbondell.....1 10

Malone Blue.....55@65

Long Meadow Brown Stone.....55

" " Red.....65

Marble:

Italian, veined.....4 00

Marble, continued:

Tennessee, red.....2 50@5 00

Tennessee, Knoxville.....3 00

Vermont, white.....3 50@8 00

Ophite.....4 50@5 00

Armodite.....1 50

Slate:

Roofing, Vermont, per square:

Green.....6 50

Purple.....6 50

Black, Lehigh.....13 50

Black, Chapman's.....5 75@7 75

Black, Bangor.....7 30@8 00

Black, Bangor.....5 50@5 80

LUMBER, CAR LOTS.

(Lumbermen's Exchange, 250 So. Water St.)

Boards: (Ordinary Dimensions.)

Pine, 1st quality, clear.....\$44 00@46 00

Pine, 2d quality.....44 00@46 00

Pine, 3d quality.....40 00@42 00

Common.....11 50@12 00

Siding:

Pine.....9 00@20 00

Framing Timber:

Pine.....10 00@13 50

Laths:

Pine.....1 75

Shingles:

Pine (sawed).....1 85@2 45

Miscellaneous:

Pickets, pine.....8@21

Posts, cedar.....9 00@21 00

Pine, yellow southern.....30 00@35 00

HARDWOODS.

(Quotations furnished by The Holbrook Co.)

Walnut, 1st & 2d, 1 in.....\$ 75 00@80 00

1 1/4 & up.....80 00@100 00

Walnut, counter top.....15@20

Ash, 1st & 2d, 1 in.....32 00@35 00

1 1/4 & up.....35 00@40 00

Maple, 1st & 2d, 1 in.....25 00@35 00

1 1/4 & up.....35 00@40 00

Oak, white, 1st & 2d, 1 in.....30 00@35 00

1 1/4 & up.....35 00@40 00

Oak, red, 1st & 2d, 1 in.....30 00@35 00

1 1/4 & up.....35 00@40 00

Oak, quarter sawed.....40 00@50 00

Cherry, 1st & 2d, 1 in.....80 00@85 00

1 1/4 & 2 in.....95 00@100 00

2 1/2, 3 & 4 in.....25 00@30 00

Beech, Red, 1st & 2d.....25 00@30 00

Whitewood, 1st & 2d, 1 1/4, 1 1/2 & 2 in.....28 00@32 00

2 1/2, 3 & 4 in.....35 00@40 00

Birch, red, 1st & 2d.....35 00@40 00

Butternut, 1st & 2d, 1 in.....50 00@55 00

1 1/4 & up.....55 00@60 00

Sycamore, 1st & 2d.....20 00@25 00

Gum, red, 1st & 2d, 1 in.....25 00@30 00

1 1/4 & up.....35 00@40 00

FINISHING WOODS.

Mahogany, Mexican, per lb.....15@20

Mahogany, St. Domingo, per lb.....20@25

Finishing Woods, continued:

Mahogany, Cuba, per lb.....12@20

Rosewood, per lb.....5@15

CALIFORNIA WOODS, ETC.

(Quotations furnished by Charles B. Crombie & Co.)

Redwood lumber.....\$60 00@65 00

Redwood shingles—square, sexagon, round, diamond and octagon, small quantities.....6 50@7 25

Mexican Spanish cedar.....150 00@300 00

California pine.....65 00@75 00

Georgia Yellow Pine:

Flooring:

1st & 2d clear, 4 in.....35 00

1st & 2d clear, 6 in.....35 00

Boards, D 1 s.....33 00@35 00

Beaded Ceiling:

1st & 2d clear, 1/2 in.....18 00@21 00

3/4 in.....26 00@30 00

3/8 in.....33 00@36 00

Step plank:

1st & 2d clear 1 1/4, 1 1/2 & 2 in.....33 00@35 00

Georgia Cypress:

Lumber, 1st & 2d clear.....35 00@40 00

Shingles.....3 75@4 25

Frame Oak Lumber and Timber:

Plank.....23 00@25 00

Timber.....24 00@30 00

PAINT, ETC. Per lb.

White lead (American).....Dry. 5 1/2 In Oil. 5 3/4

Zinc, white (American).....8@10 10@12

Red, Venetian.....2@6@12

Red, Vermilion.....20@50 40@100

Red, Indian (English).....12@22

Yellow, Ochre.....2@15

Yellow, Chrome.....18@25

Green, Chrome.....12@20

Green, Paris.....20@35

Black, lamp.....8@30

Blue, ultramarine.....16@35

Putty.....3

Whiting (dry).....1@2

Paris white (English).....2@3

Litharge (American).....6@10

Sienna, burnt.....9@16

Umber, burnt.....7@16

Oil, linseed (raw), per gal.....51

Oil, linseed (boiled), " ".....54

Turpentine.....40

Varnish, coach, " ".....1 25@2 00

Varnish, shellac, " ".....3 25@4 00

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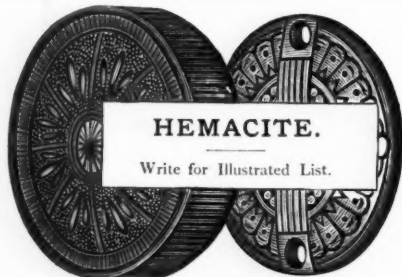
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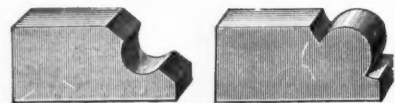


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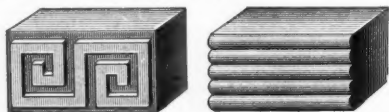
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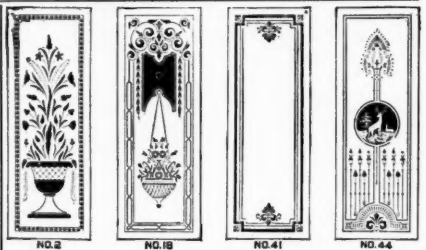
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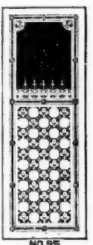
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PROPOSALS.

ARTESIAN WELL.

[At Omaha, Neb.]

Sealed proposals for an Artesian Well of 1,000 feet, more or less, will be received at the Institute for the Deaf and Dumb, at Omaha, Nebraska, till July 10. For particulars, address the Superintendent.

FOR IRON WORK ON STATE HOUSE.

[At Topeka, Kansas.]

Sealed proposals will be received by the board of state house commissioners at the office of the Secretary of State, Topeka, Kansas, until 9 o'clock Wednesday, July 1, 1885, for the repair and construction of iron roof trusses within the present roof of the building and for furnishing iron girders, columns and floor beams in the remodeling of the third story east wing of the state capitol building.

And also for the iron furring and lathing of third story east wing as above.

Bidders upon roof trusses, girders, etc., will be under the necessity of examining the site in order to make an intelligent bid upon the work.

Plans and specifications will be ready for inspection June 18, 1885.

Samples of iron furring and lathing, with methods of attachment to beams and of construction, will be submitted with each bid.

The right to reject any and all bids in the interest of the state is reserved.

By order of state house commissioners.

HASKELL & WOOD, Architects.

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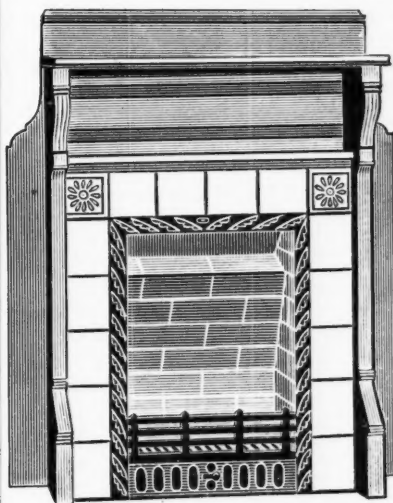
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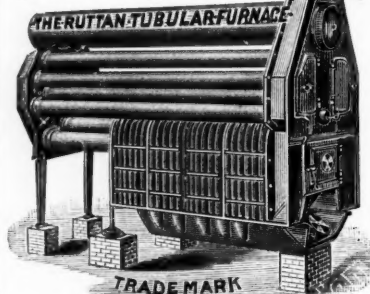
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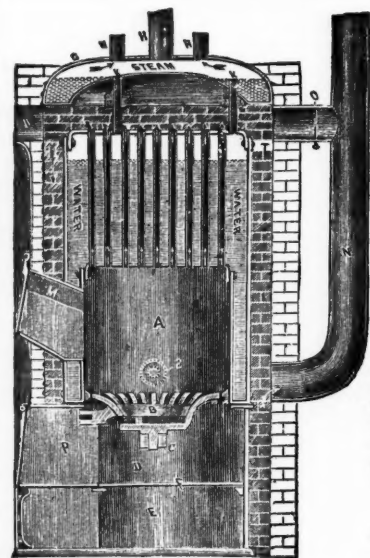
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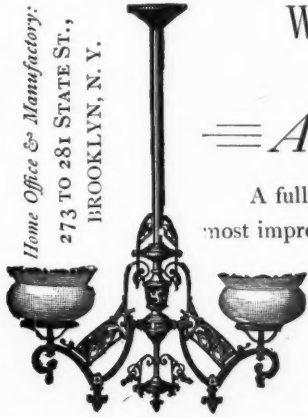
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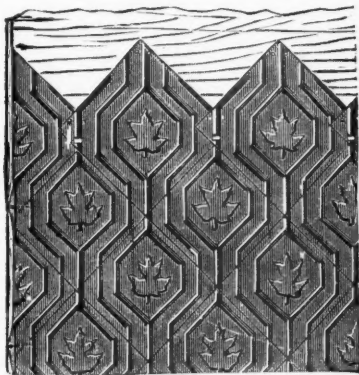
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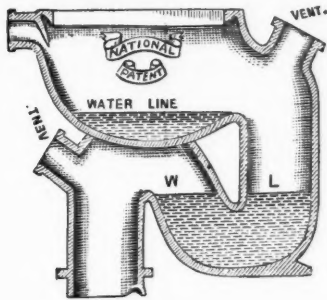
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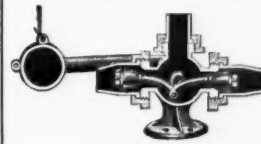
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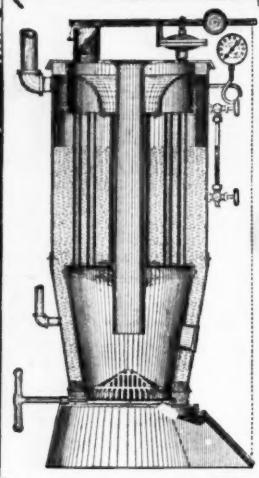
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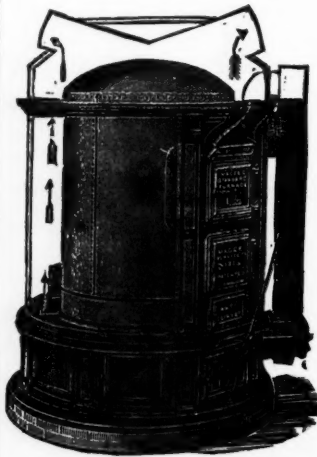
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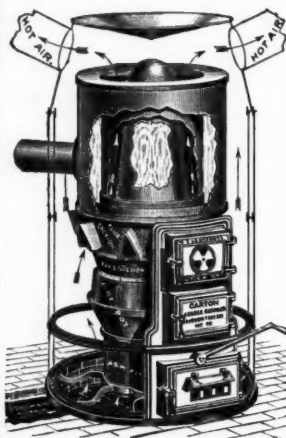
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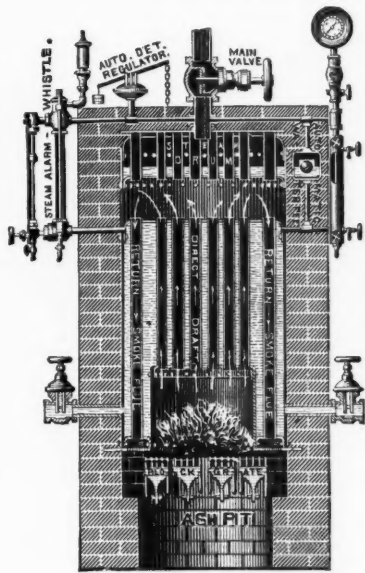
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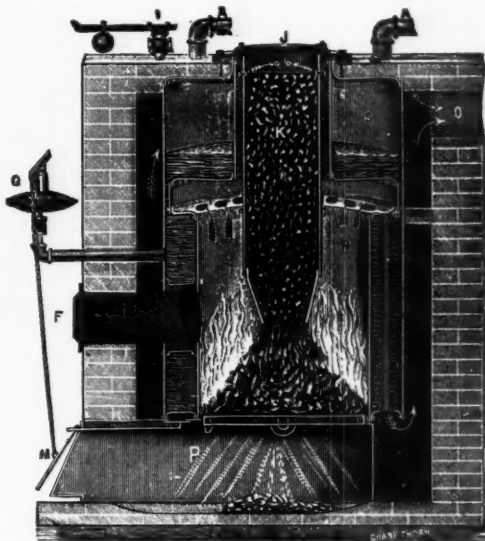
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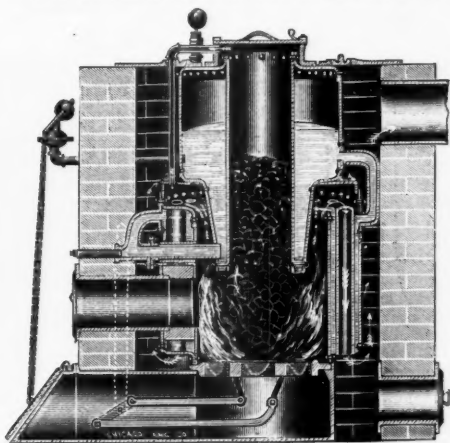
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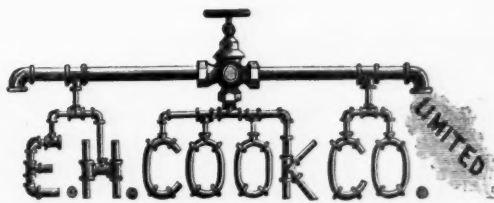
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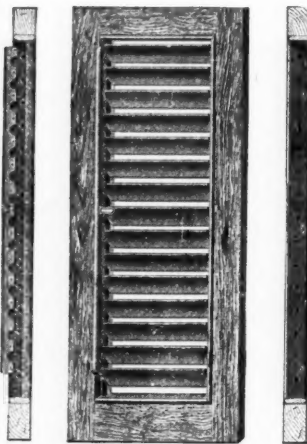
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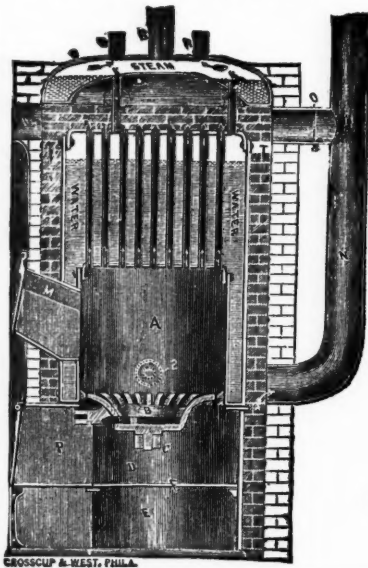
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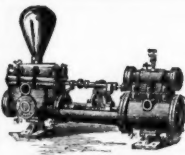
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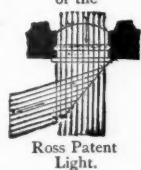
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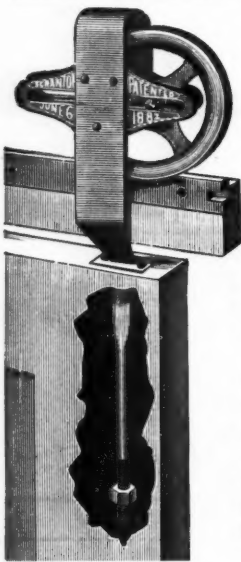
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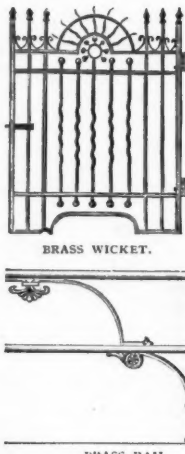
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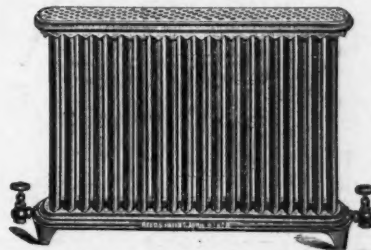
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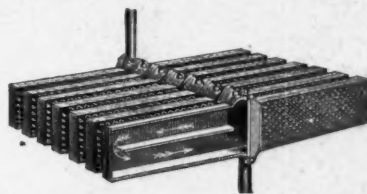
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