

THE INLAND ARCHITECT AND BUILDER.

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THE INLAND ARCHITECT AND BUILDER

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Architects and Builders throughout the West will confer a great favor on the Editor of this Journal by sending him news pertaining to the craft in their section of the country, particularly items of new buildings.

THE INLAND ARCHITECT AND BUILDER will spare no endeavor to furnish valuable news and information to those interested, professionally or incidentally, in the planning, building, decorating and furnishing of homes or commercial or public structures. A variety of attractive illustrations will be presented in each number, the best of engraving and printing contributing to their production.

THE INLAND ARCHITECT AND BUILDER has a larger circulation in the West than any building journal in the country. Advertising rates are very reasonable, and will be made known on application. We take pleasure in directing attention to the high character of our advertisements.

SUBSCRIBERS SWINDLED.

Numerous letters have come to us from New York, Boston, Baltimore, Philadelphia, Albany, St. Louis and other points complaining that the writers had subscribed for THE INLAND ARCHITECT AND BUILDER and not received it. Investigation shows that a swindler named W. H. Gault has been personating in the east R. C. McLean, editor of this paper, and he has harvested a large number of subscriptions. Gault is rather under medium height, has light complexion, and a peculiar, one-sided appearance of the mouth. In St. Louis a number of subscriptions have been taken by a fraud signing himself W. H. Barker, agent. He is described as being about forty-five or fifty years old, some six feet tall, and with grayish hair and beard, and a smart talker. These men are impostors, and are wholly unauthorized to represent us in any way. Subscribers should insist on canvassers showing satisfactory credentials from this office or from responsible subscription or news companies. If circumstances are suspicious, sent subscription direct to this office.

THE reader's attention is directed to the improvements in the typographical appearance of this issue of THE INLAND ARCHITECT AND BUILDER. The new heading which graces the first page was designed by the well-known architectural artist Paul C. Lautrup. It will be noticed that the type or dress of the journal has been changed throughout from a modern to an antique style which is unexcelled for beauty and clearness. Another noticeable improvement is the leaving out of all column rules in the reading pages. While these changes have been made to please the eye, improvements in the contents have not been overlooked. A greater variety of architectural information is given, and the managers have inaugurated a system by which they are confident of obtaining very full building news in the West. In the future prominence shall be given to illustrations of exterior and interior details, of which the page of "Fragments from Chicago Architecture" in this issue is an example. No efforts shall be spared to make this journal of the highest excellence in all departments. The subscription price will hereafter be \$1.75 per year, and those who know anything of the expense involved in a publication of the quality of THE INLAND ARCHITECT AND BUILDER will need no explanation of this advance in price. The improvements that the managers are encouraged to make are sufficient evidences of the prosperity of this journal and of the kindly reception it has been accorded by the building fraternity of the West.

THE committee assigned to investigate the charges of corruption and incompetency in the Supervising Architect's office at Washington has finally closed its sessions. Whatever may be the verdict of those who have followed the proceedings as to whether Mr. Murch and his coadjutors have sustained the allegations made or not, and whatever may be the report of the committee, one thing, we think, has been clearly shown: the time is ripe for a change in the method of procuring the public buildings of the Government. Under the present system, where one man, with unrestricted powers, in the matter of planning, constructing and supervising, who may change, at will, plans and specifications after contracts have been made, and is the sole arbiter as to the compensation resultant from such changes, makes possible all that has been charged against this office and is fruitful of such miserable edifices as have already been thrust upon the Government at prices that might have "ransomed a principality." What will be admitted is, that the Government is entitled to the best possible architecture, and this, we hold, can only be attained through a competitive system that would throw all Government work open to the genius and experience of the architects and builders of the country, and in this way, by exciting professional emulation and pride, insuring, not only a more symmetrical and better class of buildings, but cheaper ones, such as would be an architectural credit to the nation. Undoubtedly the result of this investigation will be the bringing of the subject before Congress; and it is to be hoped among the first enactments of the next session will be one that will abolish this office, which is of questionable legality at best, and has assumed powers that makes the title an anomaly. We have in previous issues expressed our views in regard to the matter, and have had no occasion to change them. We are not in accord with those who, seeing the necessity of a change, would have the "place" retained and hedged about with legislated restrictions, as we are fully convinced the responsibility of so important a matter as the construction of

the Government buildings should be as far removed as possible from partisan influences, and as yet we have been unable to discern a better place to assign the *supervision* of the Government architecture than where we have heretofore suggested, the War Department, *i. e.*, to the corps of Topographical Engineers which has already furnished evidence of its fitness for the duty, and which has now under its jurisdiction the supervision of nearly every other responsible Government work.

CONSIDERABLE credit is due the government of Canada for the manner in which public building is conducted, and this in extremely favorable contrast to the system of conducting government architectural affairs in the United States. There the architect is engaged by the commissioner of public works, and he is not a political appointee, but is engaged by the government as by a private party, upon his professional merit alone. There the contracts are, as a rule, awarded to the local contractors, and such is the government supervision that if a contractor cannot fill his contract it is taken out of his hands and placed where it can be filled before the work has stopped, and a long bill of increased expense and extras is incurred. An instance of this is furnished in the construction of the Custom House and Postoffice at Hamilton. A certain firm received the contract to furnish stone, but the quarries being inspected, it was found that enough stone could not be furnished from them of a uniform grade to complete so large a structure, and the contract was at once taken from their hands by the Board of Public Works and placed where they knew the quarries contained an adequate supply. The result of this careful supervision and inspection is, that the architecture of the government buildings is of a high order, architectural scandals are rare, and the people's money is not squandered!

IN directing attention to the national convention of the American Institute of Architects, to be held at the cities of Providence and Newport, Rhode Island, August 29, 30 and 31, we would like to impress upon the members of the association in the West the importance of this convention not only to them, but to the craft in general. According to the circular of the secretary an important amendment will be submitted, increasing the fellowship from seventy to one hundred, and also an amendment providing that the number necessary to form a chapter, instead of three fellows, as now, shall be one fellow and two associates, matters in which every member is interested. Beside the general advantage of meeting together and the interchange of ideas, the trip will be a pleasant one, giving to the visitor a breath of sea-air, and a change from the confinement and worries of the busy office to the life and holiday attire of a famous summer resort. Go, gentlemen, it will do you good, and will do much to perpetuate the fraternal feeling between you as members of an honored association, and prove your membership to be an active one.

THE proposed International Exposition to be held at Nice is possessed of a double attraction to English and Americans. It will introduce their products into the south of Europe, and give to the exhibitors a few months of rest in one of the loveliest of European winter resorts. "All Europe" goes to Nice from November to February, and as an organization mingling pleasure with the more practical competition of manufactures, this exposition promises to be universally popular. A recent letter from the secretary informs us that applications for space from the United States will be received up to September 15, and goods up to

November 1, with fifteen days additional in the event of unavoidable delay. Mr. Leonard F. Beckwith, 229 Broadway, New York, is president of the committee of organization for the United States, and Architect W. L. B. Jenney, of Chicago, is deputed to act for the organization of the adjacent West.

OF all the formidable strikes among employes that have of recent years been inflicted on the country, none attained anything like the importance and mischievousness of the present telegraphers' strike. Other great strikes have been more or less local in character, and their effects were correspondingly circumscribed, but this one in its effect encompasses the entire country, interfering with every department of trade, and even encroaches upon the affairs of government itself. That there is a general sympathy among the public giving moral and pecuniary support to the strikers, a sympathy born of the encroachments of corporations and their regardlessness of the rights of the public, does not lessen the gravity of the situation, as he must be blind who cannot see from this expression of sentiment the conviction is growing among the masses that between capital and labor there is an antagonism of interests, and that labor and trade, to be secure, must be continually in arms and on the aggressive. Unless this sentiment, which is the forecast of future complications and social disorders, is corrected by healthful legislation, the outlook for the future is not inviting. In our judgment, the time is now ripe when this question of combinations and strikes should receive the earnest and active consideration of our wisest statesmen and legislators. Neither money kings, corporations, or any class of men, have the right to combine against the public good and threaten the foundations of government.

MEANWHILE the intelligent members of trades unions, especially those of the manufacturing and building trades that have seasons of activity and of depression, regulated by the season of the year and the demand for construction, should earnestly study, ponder and weigh the question of strikes. A strike means an organized riot, and like a riot has always more or less provocation, but are they wise? Do they, as they are conducted, bring the desired result, and whether the striker is victorious or not, is not the victory gained by the greater force, and does not the question itself remain as unsettled as before? Out of over 2,300 strikes in England only about seventy were successful, and that at not only untold cost to those engaged, but to the general public, and when by strikes a loss is entailed upon the community, does not a strike become also a moral wrong? If instead of stopping work and losing a part of a season, and therefore a certain amount of a year's income, would it not be better to try to the very last extremity to settle all differences by intelligent and honest arbitration? Instead of arraying capital and labor, the employer and the employe, one against the other, would it not be better to have a constant board or committee of arbitration appointed from among the most able and trustworthy of each, and abide by their settlement of all differences? It would take some patience, some moral courage sometimes, but would it not be better, and then families would not suffer, capital would not remain tied up and the arteries of trade unnaturally stagnated, but all manufacture, all construction would progress with the impetus given it by demand, and the workman be a gainer by having steady work while work is offered, and when that fails he will not be himself to blame for his enforced idleness. This is what the question will sooner or later have to come to, but if the sys-

tem of the past few years is persisted in, there lies between the present and that period strife and bloodshed, maybe, for the fruit of such ignorance and unreasoning presumption is violence.

THIS month's installment of the interesting course of lectures on architecture, by W. L. B. Jenney, architect, is unavoidably omitted from this issue, but will appear in our next number with profuse illustrations.

History of Chicago Architecture.

PART VI.

RECOLLECTIONS OF JOHN M. VAN OSDEL.

THE Canal Commissioners in 1847, in order to have a base line for their topographical surveys, established a point called low-water mark, and this was used as an imaginary horizontal plane underlying the entire city. This imaginary plane was adopted by the City Engineer as a base from which the grades of the streets were measured, and is now called "City Datum." It is about three feet below the present surface of the river, and fourteen feet below the curb grade of the sidewalks in the south division, from State street west to the river. But the present grade is much higher, and is a great improvement on the first grade, established in 1855. That grade contemplated a surface drainage of six inches in each block from Madison street north, and from State street west, to the river; making Water street eleven feet above city datum, Lake street eleven feet six inches, Randolph street twelve feet, Washington street twelve feet six inches, and Madison street thirteen feet. The present grade of Water street is three feet higher than it was before the great fire. The basements of the buildings on this street by the old grade could not be over five and one-half or six feet high. By the present grade they are made eight and one-half to nine feet. The former were comparatively useless, while the latter form very important parts of the business buildings on that street. Soon after the fire the Board of Public Works invited the writer and two other architects to a consultation regarding a new grade for the rebuilding of our city. There was no difficulty in elevating the streets to any desirable grade. The writer suggested that the grade of Michigan avenue be made fifteen feet above "datum," Wabash avenue fourteen and one-half feet, and all other parts of the south division fourteen feet, making the grade level from State street to the river. This plan was adopted and is now the city grade. There was another important improvement the writer wished to have adopted, and urged upon the attention of the Board, that was to make the summit of the streets at the crossings, and run the water from the intersections of the streets each way to the center of each block. This would require new catch-basins to receive the surface water and render those already in useless. It was admitted that it was very desirable, but as there was no appropriation for building new catch-basins, the matter was overruled and laid aside and the unsightly pit-holes and wooden bridges remain at every street corner in the city. It is a pleasure, however, to see that the South Park Commissioners have adopted the suggestion in the grading of the Michigan avenue boulevard. Any person who will notice the intersections of the cross streets of that avenue and compare them with the crossings of the streets in the business part of the city will appreciate the value of the suggestion. In the winter of 1844 the leading builders proposed to the writer that he open an architect's office, pledging themselves not to make any drawings, or construct any important building, without a plan. With this undertaking an office was opened, located on Clark street, between the City Hotel and the postoffice, occupying the site of the present Sherman House. No one had ever used an architect and it was difficult to convince proprietors of the necessity for such a branch of the builders' business. During the first year, however, a block of four four-story brick stores, twenty feet front each, and 130 feet deep, located on north side of Lake street, between Clark and Dearborn streets, were built from regular plans and specifications. The architect's fee was less than a hundred dollars, which the owners considered a very large price for such an

ordinary picture. It should be remembered, however, that a dollar in those days had the purchasing power of three dollars of the present day. For instance, a man and wife could obtain board and pleasant room for six dollars per week.

Art of Pure Color.

BY JOHN W. ROOT.

WHAT will be accomplished in the street fronts of our houses will be more swiftly done upon the walls of our rooms. Here, being in his own castle, the householder is less timid about venting his emotions in color than he is where the passing critic may damn his house, like an ill-roasted egg, by calling it a "Dolly Varden." Here, as in the confidence of his own family, his pent-up emotions may overflow, and here artists may wield bold and vivid brushes.

In this matter of interior decoration we can easily foresee what may happen when we measure the distance which has been traversed in twenty years, from the alternate strips of green and French gray standing with deathly regularity, like sentries, about the room, to the last design by Morris or Tiffany, or from the yellow camel in the desert, who was forever dying in front of our father's fireplace, to the rugs of Daghestan or India.

In the development which we thus note we will see how much less salient has become boldly expressed form in design, and how much more study is bestowed upon pure color. Indeed, it frequently happens that in the most effective designs of wall-papers or stuffs there can scarcely be recognized a single precise form, and in the decorative painting of such artists as Tiffany and Lafage wall surfaces are made to glow with beautiful colors, based upon most vaguely expressed forms, as the stars in an evening sky suggest the beasts and men of a heavenly map.

In this closer study of the decorative value of pure color we are not apt to be led into gross manifestations of it; on the contrary, we may expect continually to meet with new and subtle refinements, not only in the adjustment of colors in one room, but in the relation established between various rooms. Primarily, we can conceive of an artist using pure crimson as a foil to pure greenish blue, or cobalt-blue as a complement to orange-yellow; but a nicer sense of harmony leads him to contrast yellow green with blue-green, or reddish brown with greenish bronze; or else to make gradations of tone from colors in their lower forms, as when mixed with black or diluted with white, to their primary conditions. We shall also find a new and finer sense of fitness in the coloring of each room, recognizing its functions and purpose and ministering to the spirit which best fits it.

In the drawing-room of a house, which is a rendezvous for brilliant companies, warm buffs, crimson, pure gold, and all the colors of brighter and more delicate quality, will be grouped. The hall will be more obviously and strongly painted in broad sweeps of reds, blues or warm browns, meeting the guest at entering like the assuring pressure of the hand and hearty accents of welcome which the host should give him.

In the library will be those effects least calculated to distract the mind or create mental unrest—the wall becoming a warm yet unobtrusive background to the soberly rich dresses of books. The dining-room becomes soft and rich in color, yet with a certain freshness and daintiness of tone like an appetizing dish from some "cordon-bleu." Each one of these various rooms is also enhanced in value by those which are seen with it, the color of each being studied in relation to the others as carefully as the colors on each separate room. In all this, however, the more highly cultivated the artist, or the Lorenzo who employs him, the more certainly will his study be directed, first, to the quality of color, and secondly to those forms which are best adapted to them. Unless, indeed, the fortunate patron should find some Michael Angelo or Tintoret whose thoughts are so great that he could be content to dwell forever in their presence. Failing this, he will not seek to cover his house with the expressed words of form as one might line a trunk with a newspaper, but rather to see that he lives in an atmosphere of such colors as best fit his life and emotional nature—which most refresh him after his day's labor or divert his moods into their best channels.

It cannot be denied that color is powerful in its influence upon the moods of the mind. Any one who has analyzed within himself the sensations produced by the contemplation of pure color will have found that this is not only true, but that each color has a certain tolerably well recognized effect.

Pure vermilion or yellow is exciting; deep blue soothing, and so on through the spectrum. Scientific observations, conducted with a view to ascertain something of the nature of these effects, have resulted in discovering a number of very important and suggestive facts. It is found that below the visible rays of the spectrum lie what are called "heat rays," that within the limits of the spectrum most heat is found in the red and yellow; that at the termination of the violet perceptible heat is lost, and after the spectrum ceases to be visible chemical rays are found. It has also been ascertained that rays of light have perceptible effect on different forms of animals who have no eyes, but who have at some spot a bunch of sensitive matter, which is always colored. Late experiments have shown that electric currents may be reversed by throwing upon the batteries where they originate, light from different colored lenses.

Certain effects of color on domestic animals (ruminants, fowls, etc.) are well known. It is only within a very few years that anything like systematic investigation has been made of color effects on men, but, as far as they have been made, it appears that they can be recognized and rudely predetermined.

In the case of certain lunatics, and other persons of deficient mental control, red and yellow was obviously excitant, blue and green soothing—as with those of us who are not lunatics; while all savage tribes manifest for red and yellow and for all brilliant and glittering things, a marked and passionate fondness.

Special Correspondence.

CLEVELAND.

CLEVELAND, Ohio, August 1, 1883.

Editor Inland Architect and Builder:

The following is a report of building news of this city as near complete as can be obtained at the hour of writing.

There has been considerable doing this summer, and some very fine buildings have been erected, a large number of them being frame; there are also some fine buildings of brick or stone, with wood trimmings, that are very imposing and handsome in appearance.

Mr. Levi I. Schofield is at work upon the postoffice, building a new extension on both south and north ends; also a pedimental portico on the Park front.

The south extension is all finished with the exception of the elevator, which will not be put in until the old part of the building is complete. This work will begin as soon as the office is removed to the south extension.

The papers of this city have for some time past been waging war against the architect and other parties connected with this building, treating them with the utmost disrespect, picking up information here and there, without even granting anyone interested in erecting the building the courtesy of an interview.

We learn from a reliable source that the south wing was up to the third story before the appropriation was made, also that in Washington it is considered that the work is going on as fast as it can be under the circumstances.

The indignation expressed by the local press is probably due to the "Hill investigation," which has created so much excitement in building circles.

BUILDING NOTES.

Architect J. M. Blackburn has the following business on hand: Brick veneered house on Wilson avenue, for Dr. Lewis, to cost about \$60,000; block of stone-front houses on Prospect street, for G. Metzger, cost \$24,000; remodeling and additions to E. Decker's photograph gallery, cost \$7,000. Remodeling R. R. Root's house, at a cost of \$5,000; two frame houses on Cedar avenue and two on Sibley street, for W. J. Price, each to cost \$5,000; frame house and barn on Wilson avenue, for R. Arnold, to cost \$6,000; frame house on Cass avenue, for G. H. Chandler, to cost \$10,000; brick (manufacturing) building for Leader Sewing Machine Co., to cost \$35,000; block of brick stores on Lorain street, for Jas. Wood, cost, \$6,000; also a church at Elkhart, Indiana.

Messrs. Coburn & Blackburn are building a warehouse, 54 by 127 feet, six stories, to cost about \$75,000, a Congregational church, of stone, said to be a fine structure, also a number of residences of brick, stone and frame.

Mr. A. Koehler is building the Park Opera House, facing the public square. The interior will be finished in the Moorish style, sparing no expense to make it a beautiful place of amusement, seating capacity of about 1,400 people.

Mr. Walter Blythe is remodeling the Standard block at an expense of at least \$70,000, also building two dwellings on Woodland avenue, one on Logan street and one on Wilson avenue. Mr. B. also exhibits plans for two fine churches in the country.

Mr. A. M. Smith, architect, has on hand a brick business block, two stories, 24 by 35 feet, on Erie street, for Jas. Parker, cost \$5,000; a residence on Wilson avenue, 46 by 83 feet, for A. L. Bassett, to be built of wood, two stories and attic, cost \$12,000; a frame house, two stories, 35 by 72 feet, in Bedford, Ohio, to cost \$4,600; a frame house at Elyria, Ohio, 24 by 60 feet, cost \$4,000; also several tenement houses for which plans are not yet complete.

Prof. John Eisenmann, architect and engineer, has the West High School, corner Bridge and Randall streets, to cost \$70,000—it is 179 by 102 feet, two stories, tower 100 feet high, built of stock brick, with buff Amhurst stone trimmings; the Fowler school, corner Fowler and Hector streets, \$60,000; the Buhrer school, in 13th ward, cost \$27,000; the Dike school, in 15th ward, cost \$27,000; the Dunham school, in 17th ward, cost \$27,000; the Marion school, in 6th ward, cost \$27,000; the Lincoln school, in 15th ward, cost \$27,000; the Case School of Applied Science, \$150,000; school for Lundville, Ohio, cost \$25,000; a store for H. G. Sipher on Lorain street, Cleveland, cost \$8,000; Zion Lutheran church at Monroe, Michigan, to cost \$15,000.

The Co-operative Building Association are erecting a French flat building, 120 by 80 feet, nine stories high, for the heirs of the Stilman, Witt estate, to cost about \$250,000. Mr. W. R. Thomas is the architect's superintendent.

Business has been very good this season, and workmen, especially bricklayers, have been in great demand, there being scarcely enough to fill the demand. Good prices have been paid for labor, and the city seems to be prospering.

F. S. H.

AKRON.

The following work is pending in the office of F. O. Weary:

Hotel Buchtel, 70 by 110 feet, six stories high, 120 rooms, pressed brick and stone, two elevators, electric light, all modern improvements.....	\$100,000
Arcade Block, 120 feet front by 100 feet deep, four stories high, four stores, first floor, sixty office rooms above central court, 40 by 80 feet, pressed brick and stone, elevator, for Gen'l R. Alyn, of Detroit, and J. A. Kahler, of Akron	65,000
Business block, for Geo. Ayliffe, Mill street, 60 by 94 feet, three stories high, pressed brick and stone front.....	20,000
Business block for Akron Manufacturing Company, double stone, 60 by 100 feet, three stories high.....	12,000
Modern residence, Mr. H. Council.....	13,000
Queen Anne residence, R. B. Walker.....	7,000
" " Thos. Bakewell, Salem, O.....	8,000
Queen Anne pavilion at High Bridge Glens.....	5,000
City Hall, Canton, 60 by 105 feet, three stories high, pressed brick and stone...	50,000
And at Canton an	
Engine and market house.....	16,000
Three story stone front block, two stores, J. E. Meyer.....	18,000
Stone front block for Wm. Hassbold.....	8,000

A \$40,000 high school, Zanesville, O., a \$43,000 high school, Upper Sandusky, O., and a number of residences in outside towns.

ST. LOUIS.

ST. LOUIS, August 3, 1883.

Editor Inland Architect and Builder:

During the past two months the building business in all its branches has been very good.

Planing-mills, brick manufactories, etc., have been scarcely able to fill orders. Building contractors seem to be very busy, and they report prospects for the future as very encouraging.

Several estimates on the U. S. Hospital at Hot Springs, Ark., have been sent to Washington by St. Louis builders.

Among the many edifices under process of construction or approaching completion are the following:

On Delmar avenue, Mr. Foster has approaching completion a fine residence of brick and stone. The style of architecture is Renaissance. Cost, \$15,000.

Dr. Engleman is erecting a magnificent office, Garrison avenue and Locust street. Cost, \$6,000. Besides these, Mr. H. W. Kirchner has also the supervision of a building for the State University at Columbia, Mo., which will cost \$100,000.

Under the supervision of Mr. Furlong, Mr. D. K. Garrison has just completed a row of twelve two-story stone-front dwellings, with all modern improvements, on Page avenue, near Grand. The total cost will reach \$60,000. Mr. J. J. Broderick is erecting two superb residences on the west side of Grand avenue, near St. Louis avenue. Cost, \$15,000.

Messrs. J. B. McElpatrick & Son are superintending the erection of the Standard Theater; it is located on the northeast corner of Seventh and Walnut streets. It has a front on the latter street of 78 feet and a depth on the former of 138 feet. It will be three stories and basement in height. The floor of the first story is five feet above the sidewalk. The front and west side will be of pressed brick, with stone and galvanized iron trimmings.

The main entrance is on Walnut street, through four arches. An entrance to the gallery will be on the extreme eastern side. The main lobby is 17 by 36 feet. It opens with a well-hole through the ceiling into the second tier lobby. The stage is 44 feet deep, which is the greatest depth of any in the city, and is 60 feet in height.

The auditorium is 54 feet in length, and has a seating capacity of 900, exclusive of the boxes. The second tier will seat 650 and the gallery 750 persons. There are twelve proscenium boxes.

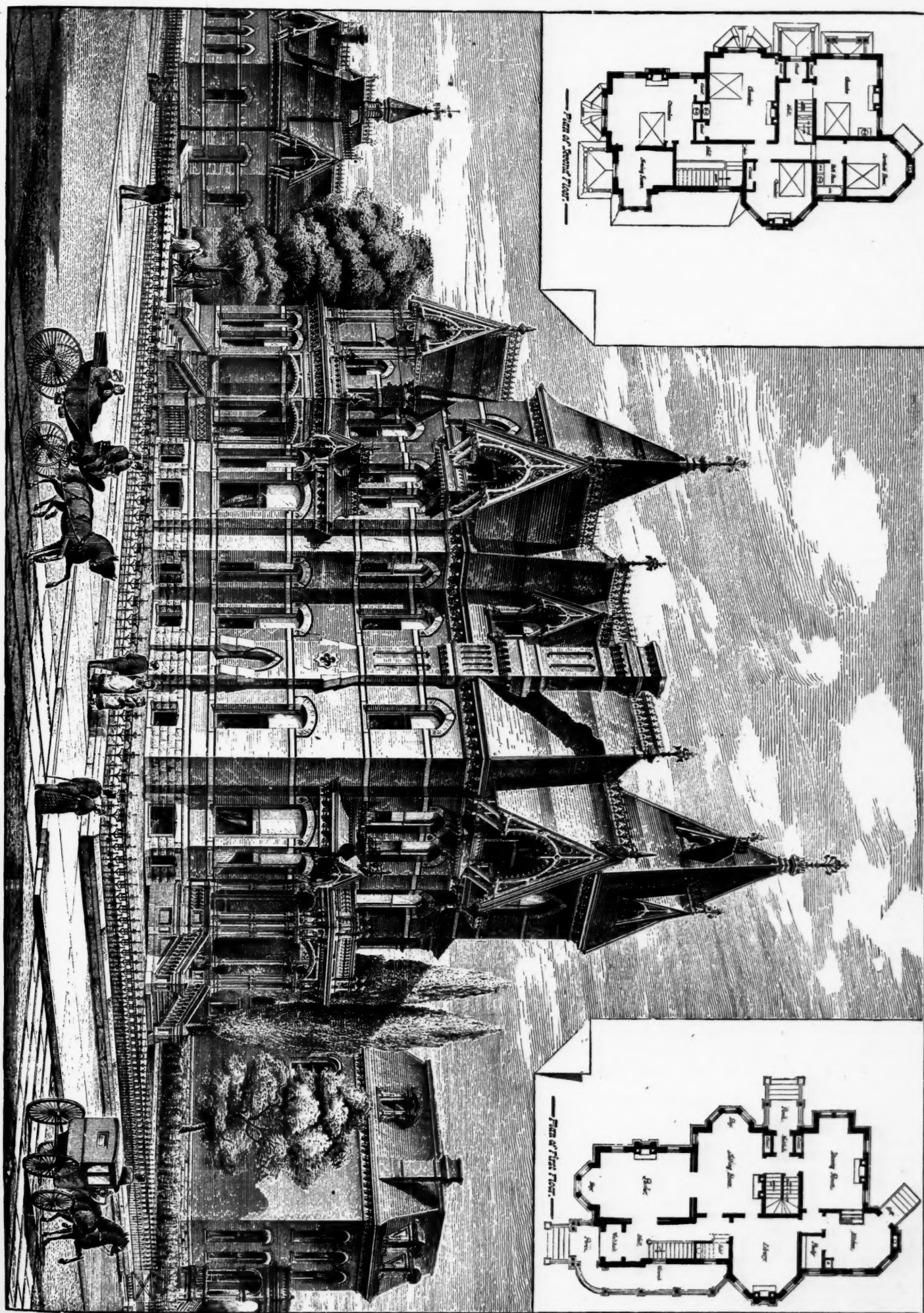
A saloon, 45 by 70 feet, will occupy the basement, and will have an entrance from both streets. The total cost of the building will be \$50,000.

This firm have almost completed the elegant building "Hotel Moser," located on Pine, between Seventh and Eighth streets. It is four stories high, besides a basement. The front, which is of stone, is on Pine street, and is 75 feet, with a depth of 116 feet. The three upper stories will contain 116 sleeping-rooms and a parlor. The lower story will contain a commodious restaurant. Estimated cost, \$55,000.

These gentlemen are engaged in the erection of seven opera houses outside of the city of St. Louis, costing from \$40,000 to \$100,000 each.

Among these may be mentioned the St. Paul Opera House, owned by Com. Davidson. The pressed brick for this edifice is furnished by Ithen Bros., of this city.

During the month of July the Building Commissioner issued 204 per-



mits for brick buildings, aggregating in cost the sum of \$657,790, and 64 permits for frame buildings, aggregating \$29,660 in cost.

Wages of Journeymen: Bricklayers, \$4.50 to \$5 per day; carpenters, \$3 to \$3.50; masons, \$4; plasterers, \$4; stonecutters, \$4; hod-carriers, \$3 to \$3.50.

Price of Brick, etc.: Hand-made merchant, \$7 per 1,000; ordinary red and hard, \$8; strictly red and hard, \$8.50; paving, \$10 to \$12; hand-made stock brick, \$15 to \$18; front press brick (stock), \$20 to \$30. Black lime, 30c. per bushel; white lime, 26c.; hair, 35c.; white sand, 75c. per barrel; plaster, \$2.25; Portland cement, \$4.

Synopsis of Building News.

BLOOMINGTON, IND.

The situation in this locality is very satisfactory. In addition to present operations, architects and contractors are making considerable preparation for carrying on projected work through the winter. The season has been quite active; very many of the buildings completed and under way have been of the cheaper grades, ranging from \$700 to \$2,000. The annexed affords an idea of the present status.

Architects Nichols & Sons: Indiana State University, three stories, of brick, stone and iron, 100 by 60 feet, to cost \$80 (projected). Christian church, two stories, brick and stone, with slate roof, 44 by 100 feet, cost \$15,000 (out for bids). Engine House, No. 2, two stories, brick and stone, 30 by 60 feet, cost \$5,000 (out for bids). The following are under way: Jno. Waldron, Sr., residence, two stories, brick and stone, slate roof, 50 by 60 feet, cost \$8,000; Nichols and Sons, contractors. Y. N. Hill, residence, two-story frame, 60 by 90 feet, cost \$10,000; same firm contractors. A. Rose, residence, brick and stone, 35 by 70 feet, cost \$5,000; same firm contractors. H. Wilson, residence, two-story frame, 50 by 60 feet, cost \$3,000; Waller & Co., contractors. Robert Miers, residence, two stories, brick and stone, 50 by 60 feet, cost \$5,000; W. C. Block, contractor. Allen McVary & Co., business house, three stories, brick and stone, 42 by 120 feet, cost \$8,000; Nichols & Sons, contractors. Howe & Maxwell, business house, two stories, brick and stone, 50 by 85 feet, cost \$6,000; same firm contractors. R. Wylie, business house, two stories, brick and stone, 24 by 132 feet, cost \$3,500; S. McPhetridge, contractor. P. Bowman, business house, two-story, brick and stone, 18 by 85 feet, cost \$2,500; same contractor.

CHICAGO, ILL.

The building outlook in Chicago, as gleaned from our architects, is quite flattering. Material is low, and with the labor market undisturbed the balance of the year promises great activity. Below are the indices:

Architect S. M. Randolph: A. L. Sweet, 241 Ashland avenue, green stone front, two stories and basement, 26 by 52 feet, cost \$15,000 (nearly finished); Jos. Rutherford, contractor. John McLaren, Ashland avenue, near Polk street, two-story with cellar, Anderson pressed brick and brown stone, 41 by 45 feet, cost \$15,000 (being plastered); Davis Studley, contractor. W. W. Cole, corner of Rush street and Walton place, three-story block of flats, Anderson pressed brick and stone, 25 by 96 feet, cost \$18,000 (ready for plastering); W. A. & A. E. Wells, contractors. J. H. Milne, Ashland avenue, near Jackson street, Anderson pressed brick and brown stone, 29 by 85 feet, cost \$13,000 (contracts not let); J. S. Ward, 512 West Monroe street, two-story and mansard, with cellar, Anderson pressed brick and brown stone, 26 by 70 feet (receiving proposals); Frank Clifton, Michigan avenue, between Thirty-fourth and Thirty-fifth streets, two-story and mansard, with cellar, green stone front, 25 by 84 feet (projected); Joseph Shaw, 396 to 402 West Congress street, block of four dwellings, two stories and cellar, stone fronts, 72 by 50 feet (projected); First Congregational church, frame chapel, Powell avenue, just outside of fire-limits, 40 by 75 feet (contracts not yet awarded); J. C. Burton, frame dwelling at Englewood, cost \$4,000 (nearly finished); Mr. Mack, contractor. J. C. Fortimer, frame dwelling at Englewood (contracts not yet awarded); E. D. L. Sweet, frame dwelling at Oak Park, cost \$4,500 (nearly finished); H. B. Dickinson, frame dwelling at Rockford, cost \$10,000; Reuben Cook, contractor. F. W. Matthiessen, addition to store on LaSalle street, cost \$15,000. Henry Delaney, two-story and basement, pressed brick and stone, 24 by 60 feet, cost \$7,000; W. A. & A. E. Wells, contractors.

Architects Silsbee & Kent: J. V. Weaver, 213 Illinois street, three-story and basement flats, brick, 20 by 70 feet, cost \$7,000 (under roof); W. H. Iliff, contractor. Potter Palmer, Bank street, two houses, three stories and basement, Canada limestone and blue Bedford stone, thirty-six rooms, 51 by 70 feet, cost \$35,000 (half finished, first floor laid); Potter Palmer, contractor. Porter Weston, North street, three-story and basement house in Colonial style, first story brick, and shingle work above, thirteen rooms, 38 by 60 feet, cost \$10,500 (projected); H. J. Tilford, Fourth street, Louisville, Ky., three-story, pressed brick, Colonial style, red tile roof, red mortar, bays, balconies, verandahs, etc., thirteen rooms, 45 by 69 feet, cost \$18,000 (under roof); J. H. Struck & Bro., contractors. F. D. Cooley, Fourth street, Louisville, Ky., Moorish music room, arabesque reliefs in papier maché, decorations in bronze and stamped leather, stained-glass and high coloring, 18 by 26 by 20 feet high, cost \$8,000 (projected).

Architect C. P. Thomas: H. I. Birch, corner of North Clark and Chestnut streets, four-story block of five stories and flats, pressed brick and stone front, brick walls, flat roof, 106 by 70 feet, cost \$15,000 (to be finished October 1); Moss & Chambers, masons; H. Gilsdorf, carpenter. F. F. Spencer, four-story store and flats, adjoining above and same description, 20 by 60 feet (to be finished October 1); same contractors. H. Tift, North Clark street, opposite street-car barns, six four-story stores and flats, pressed brick and Bedford stone, 117 by 70 feet, cost \$48,000 (to be finished October 1); Moss & Chambers, masons; F. H. Aners & Co., carpenters.

F. F. Spencer, two stores and flats adjoining same, four stories, St. Louis pressed brick and Bedford stone, 48 by 80 feet, cost \$20,000 (to be finished October 1); same contractors. Herbert Cassard, S.W. corner of 33d and State streets, five three-story stores and flats, pressed brick and brown stone, 105 by 62 feet, cost \$35,000 (to be finished November 1); Jas. Conley, mason; Hartman Bros., carpenters. J. W. Kimball, residence, Asta street, two-story and mansard pressed brick and blue stone, 25 by 60 feet, cost \$6,000 (to be finished October 1); W. H. Barton, mason; Steinwiz & Co., carpenters. Mrs. Ed. Wright, North Clark street, opposite Lincoln Park, flats three stories and basement, pressed brick, stone and terra-cotta, 25 by 75 feet, cost \$9,000 (to be finished November 1); W. Guten, mason; F. H. Aners, carpenter.

Architects Peabody & Stearns: Judge Lambert, Ontario street, dwellings, Long Meadow (Mass.) brown stone for walls on all sides to roof, roof red slate, 70 by 60 feet (under way); for same, stable, Indiana pressed brick, red slate roof (under way); Clark & Fuller, contractors.

Architects Treat and Foltz: St. Luke's hospital, five stories and basement, brick, 154 by 161 feet, cost \$125,000. E. A. Earnshaw *et al.*, contractors. Western Electric Co., four stories and basement, brick, 253 by 150 feet, cost \$110,000; Messrs. Smith & Tobel *et al.*, contractors. B. P. Moulton, three stories and basement, brown stone, 55 by 90 feet, cost \$100,000; I. Tomlinson *et al.*, contractors. J. Q. Adams, six stories and basement, brick, 80 by 172 feet, cost \$130,000; C. & A. Price *et al.*, contractors. J. H. Swan, three-story and basement, brick, 43 by 74 feet, cost \$30,000 (under way); A. Bamolt *et al.*, contractors. W. G. Hibbard, three-story, brick, 30 by 80 feet, cost \$13,000; same contractors. Herrick Johnson, three-story, green stone, 20 by 52 feet, cost \$9,000; Bordner *et al.*, contractors. I. Tomlinson, factory, four stories, brick, 50 by 123 feet, cost \$13,000; F. Hechlon *et al.*, contractors. H. B. Mason, three-story, brick, 27 by 75 feet, cost \$11,000; Fries *et al.*, contractors. C. T. May, four-story brick, 27 by 52 feet, cost \$13,000; Agnew & Cox *et al.*, contractors. E. J. Lehman, four stories, brick, 20 by 73 feet, cost \$7,000; Jno. Cox *et al.*, contractors. E. P. Hubbard, two houses, three stories, brick, 50 by 75 feet, cost \$15,000; Houtain *et al.*, contractors. E. J. Lehman, two-story brick and timber at Lake View 80 by 25 feet, cost \$8,000; Bodmer *et al.*, contractors. Saml. Chambers, at Milwaukee, Wis., three stories, brick, 35 by 160 feet, cost \$15,000. H. C. Goudy, two-story barn, 28 by 35 feet, cost \$3,000. C. B. Farwell, three stories, brick and stone, 65 by 75 feet, cost \$— (all the above are under way). J. H. Thompson, alteration, cost \$2,000; J. A. Hunt, three stories, brick, 40 by 70 feet, cost \$15,000 (projected).

Architect H. R. Wilson: O. J. Hull, corner of Park and Ashland avenues, six three-story and cellar houses, English-Gothic style, pressed brick and stone, French red slate roofs, each 22 by 53 feet, cost \$36,000; Geo. Lehman & Co., contractors. W. R. Baker, 211 South Sangamon street, three-story and cellar apartment building, pressed brick and stone, 25 by 70 feet, cost \$8,000; J. H. Mason, contractor. C. J. Hull, 5 and 7 Park avenue, four stories and cellar, pressed brick, stone and terra-cotta, flat roof, porch with granite columns, tiled entrance, elevators, ten apartments of eight rooms, 63 by 75 feet, cost \$40,000; same contractor. C. W. Edwards, 105 West Adams street, two-story residence, pressed brick and stone, eleven rooms, flat roof, 24 by 50 feet, cost \$6,000; Wilkins & Holman, contractors. Dr. J. R. Buean, Erie street, two two-story flats, brick, 48 by 50 feet, cost \$10,000; same contractors. (All the above are under way.) Washingtonian Home, corner of West Madison street and Ogden avenue, five-story brick addition for hospital, dormitories, etc., 37 by 104 feet, cost \$30,000 (projected). C. J. Hull, Ashley street, between Wood and Lincoln streets, twenty two-story houses, six rooms, brick and stone, 20 by 36 feet each, cost \$40,000 (built). J. W. Thompson, Erie street, two two-story flats, brick, 48 by 43 feet, cost \$8,000 (under way); Walkie & Holman, contractors. M. J. Dann, three-story and attic, eleven rooms, pressed brick and stone, 24 by 40 feet, cost \$7,000 (under way); Geo. Lehman & Co., contractors. J. D. Lameraux, Hamilton avenue, two two-story brick residences, 24 by 36 feet, cost \$8,000 (projected); C. G. Hayman, contractor. J. Demony, Erie street, addition, brick, 24 by 40 feet, cost \$2,000 (under way).

Architect C. L. Stiles: W. R. Wiley, 2449 Michigan avenue, brick addition, with stone cellar and mansard slate roof, 22 by 38 feet, cost \$5,000 (finishing); Wm. Pound, mason; Thos. Dortling, carpenter. Chas. F. Anthony, Winchester avenue, two-story and basement, pressed brick front, stone trimmings, 22 by 60 feet, cost \$7,000 (out for bids). Mrs. L. Burroughs, 500 West Madison street, three-story store and tenements, cut-stone front, Lemont and blue Bedford, 25 by 50 feet, cost \$8,500 (foundations in); Jas. Rutherford, mason; Jno. Roule, cut-stone; Vierling & McDonnell, iron. Hunter & Hawkins, Dupage and River streets, Elgin, Ill., three-story store building, Anderson pressed brick and stone trimmings, 62 by 78 feet, cost \$25,000 (excavations completed); Wm. Lamm, contractor. City of Elgin, new High School building, brick, rock-face basement and trimmings of Bedford stone, 54 by 48 feet, cost \$9,000 (walls completed); Theo. Magnus, mason; Jas. Lam, carpenter. Grace M. E. Church, Elgin, Ill., stone basement, brick superstructure, with stone trimmings, 52 by 80 feet, cost \$18,000 (basement completed). Church of the Redeemer, Elgin, addition to building, brick, with Lemont stone trimmings, cost \$3,500 (out for bids). Old M. C. Imperial Co., Colfax, Ia., frame hotel with stone foundations, 54 by 170 feet, cost \$5,000 (advertising). Mrs. S. J. Beatty, La Grange, two-story frame cottage, 22 by 52 feet, cost \$4,000 (foundations completed); Geo. Howard, contractor.

Architect P. W. Ruehl: J. L. Hoerber, residence, 26 by 56 feet, cost \$10,000; J. V. Bense, contractor. Kuhner & Lasman, four-story and basement building, 72 by 80 feet, cost \$30,000; Benes & Steinwiz and Eiltheburger, contractors. Bridget Koeffe, three-story and basement, 22 by 45 feet, cost \$4,000; F. Kaiser, contractor. Wm. Atkins, three-story dwellings, 44 by 52 feet, cost \$75,000. J. Wahl, three-story and basement buildings, 50 by 75 feet, cost \$15,000; Hanson & Meyer, contractors. Cosmann & Schmit, four-story and basement building, 28 by 75 feet, cost \$18,000; Juelsdorf & Kauf, contractors. Jos. McGuire, three-story dwelling, 22 by 56 feet, cost \$4,000; Henry G. Peters, contractor. Henry

Koeber, three-story and basement building, 24 by 65 feet, cost \$7,500; Benes & Ruttner Bros., contractors. Mrs. J. A. Craig, three-story dwelling, 44 by 98 feet, cost \$7,500; J. V. Benes, contractor. John Burse, three-story dwelling, 24 by 56 feet, cost \$7,000; same contractor. Anton Melka, three-story dwelling, 22 by 66 feet, cost \$6,200; Krolovee & Bro., contractors. F. Groth, two-story dwelling, 22 by 48 feet, cost \$4,500; Stiennitz & Eilenberger, contractors. B. Harris, three-story and basement building, 24 by 75 feet, cost \$10,000; Zuelsdorf *et al.*, contractors. Chris. Mench, three-story and basement building, 24 by 50 feet, cost \$9,000; Krieg & Co., contractors. P. W. Ruehl, three-story dwelling, 21 by 54 feet, cost \$5,000; Benes & Layer, contractors. (All of the above under way). Wm. Baker, four-story and basement dwelling, 24 by 100 feet, cost \$12,000; Wm. Taylor, two-story and basement dwelling, 24 by 48 feet, cost \$5,000; M. Schmit, four-story and basement building, 24 by 75 feet, cost \$10,000. (All the above projected).

Architects O. J. Pierce & Speyer: D. W. Jackson, Vernon avenue, near Thirtieth street, two-story and attic, Gothic stone front, two dwellings, 42 by 68 feet, cost \$13,500 (under way); D. W. Hayes, mason; Wm. Goldie, carpenter. The same, Thirtieth street, east of Vernon avenue, three dwellings, two stories, pressed brick, stone trimmings, 54 by 58 feet, cost \$13,500 (ground broken); same contractors. M. Farley, Henry street, near Ashland avenue, two-story flats, 21 by 43 feet, cost \$3,600 (nearly completed). D. C. Chase, Englewood, two-story frame residence, 25 by 56 feet (projected). O. F. Fuller, Chestnut street, between Cass and Rush streets, five dwellings, three stories and basement, pressed brick and stone trimmings, 92 by 32 feet. Same owner, Rush street, near Chestnut street, three-story and basement dwelling, 19 by 32 feet, aggregate cost \$35,000 (both under contract). Herbert Hammond, Normal Park, three-story frame residence, 36 by 48 feet (projected).

Architect Julius Frittel: Wm. Tempel, three-story and basement building, 60 by 75 feet, cost \$15,000; M. Zipprich, contractor. J. S. Clark, three-story and cellar building, 35 by 90 feet, cost \$23,000; J. Wartmann & Bro., contractors. Th. Minchin, three-story and cellar building, 26 by 50 feet, cost \$9,000; Jno. Kelly, contractor. H. Gesselbracht, three-story and basement building, 50 by 100 feet, cost \$30,000; Chas. Hellman, contractor. Geo. Merz, three-story and basement building, 25 by 85 feet, cost \$14,000; Peter Hurter, contractor. John Philpin, three-story and cellar building, 25 by 85 feet, cost \$13,000; Chas. Mangson, contractor. Mrs. M. Knoner, three-story and basement building, 20 by 46 feet, cost \$6,000; Wildner & Frank, contractors. F. Linsenbarth, three-story and cellar building, 50 by 75 feet, cost \$22,000; P. Welter, contractor. Chas. Manske, four-story and cellar building, 50 by 85 feet, cost \$30,000; Chas. Teth, contractor. H. Mullen, three-story and basement building, 25 by 60 feet, cost \$10,000; D. Hayes, contractor. M. Sullivan, three-story and basement building, 25 by 50 feet, cost \$8,000; same contractor. Chas. Hill, three-story and basement building, 50 by 100 feet, cost \$30,000; H. Appel, contractor. (All of the above underway). Two schoolhouses at Maple Wood, two stories and basement, 50 by 80 feet (projected).

Architect J. J. Flanders: W. M. Life Ins. Co., block of five houses, brick and stone, cost \$25,500; Edward Hudson, contractor.

CLEVELAND, O.

Moderately active; prospects favorable.

Architect J. Charlot Nevins: Warren High School, Warren, O., two-story and mansard, with tower, brick and stone, cost \$48,000 (finishing up). Shaw Ready, Collamer, O., two-story building, brick and stone, cost \$16,000. Miller Block, Ohio street, Cleveland, three stories, brick and stone, cost \$8,000. H. M. Brainard, residence, cost \$10,000. B. McCue, Massillon, O., residence, cost \$8,000. J. K. Russel, Massillon, O., residence, cost \$14,000. (All the above under way.) B. Harris, West Cleveland, residence, cost \$6,000. M. J. Lawrence, Cleveland, residence, cost \$11,000. A. S. Guich, residence, cost \$4,500. A. B. Lyman, residence, cost \$4,000. G. B. Solders, residence, cost \$3,200. (All the above finished.) Brooklyn street, street railway buildings, offices, waiting-rooms, stables, car-barns, etc., cost \$40,000 (under way).

CINCINNATI, O.

Injuries resulting from the spring flood have pressed the builders with work. The outlook is good. There has been no trouble from strikes, and both contractors and mechanics are having a profitable season. We glean the following work under way:

Architect Geo. W. Rapp: Conrad Windish, Ohio avenue, block of six brick dwellings, two-and-a-half stories, slate and tin roof, 71 by 120 feet, cost \$40,000; F. D. Kollendorf, contractor. Henry Koch, Woodburn avenue, Walnut Hills, frame dwelling, two-and-a-half stories, slate roof, 38 by 45 feet, cost \$7,000; Bice & McMiller, contractors. Julius Balke, Lewis street, Walnut Hills, brick stable, two stories, slate roof, 39 by 50 feet, cost \$6,700; James Griffith & Sons, contractors. Cincinnati street railway company, head of Elm street inclined plane, alterations and additions to Pavilion, cost \$10,000; J. W. & T. G. Robinson, contractors.

CLINTON, IOWA.

Building fairly active; no particular boom.

Architect W. W. Sanborn: John Morris, two-story frame dwelling, with Queen Anne roof, 34 by 64 feet, cost \$5,000 (under way); A. E. Wright, contractor. T. Peterson, two-story store building, brick, 24 by 70 feet, cost \$4,000 (in course of construction); J. Deipner, contractor. Haslow & Harding, two-story brick block, 75 by 100 feet, cost \$12,000 (under way); W. Black and owners, contractors. Morrison district, addition to school building, 53 by 53 feet, cost \$6,500 (foundations let). Jackson county, county house on poor-farm, brick, 32 by 62 feet, cost \$8,000 (under way); J. Becker, contractor. Same, county asylum, brick, 32 by 62 feet, cost \$8,000 (projected). H. G. Coe, Clarence, Iowa, frame dwelling, 38 by 70 feet, cost \$7,000 (under way); A. E. Drake, contractor. A. Sutton, Clinton, Iowa, frame cottage, 32 by 54 feet, cost \$2,000 (under way).

DUBUQUE, IA.

Building operations fairly good, with indications of remaining so throughout the season.

Architect F. D. Hyde: W. H. Day, two-and-a-half-story frame residence, 40 by 60 feet, cost \$9,000 (foundations contracted for). M. M. Walker, two-story frame residence, 38 by 58 feet, cost \$8,000 (under way). E. J. Richards, two-story frame residence, 20 by 30 feet, cost \$1,800 (under way); John Needham, contractor. Wm. Rebman, two-and-a-half-story brick-veneered residence, 28 by 36 feet, cost \$5,000 (pieced out). W. H. Peabody, two-story and basement brick residence, 32 by 57 feet, cost \$5,500 (just finished). Dubuque Omnibus Co., two-story brick stable, 69 by 68 feet, cost \$7,000 (just completed). B. B. Richards, two-and-a-half-story frame residence, 45 by 70 feet, cost \$12,000 (under way). F. D. Hyde, two-story frame residence, 24 by 48 feet, cost \$2,500 (under way and pieced out). James Howie, six three-story tenements, brick, 114 by 58 feet, cost \$15,000; James Nevins, contractor. Paint Works Co., three-story brick factory, 30 by 114 feet, cost \$6,000 (pieced out). Schriber & Chinchier, four-story warehouse block, brick, 50 by 113 feet, cost \$10,000 (under way and pieced out). Thomas Ryan, three-story business block, brick, 32 by 75 feet, cost \$6,000 (under way and pieced out). E. T. Walden, Manson, Ia., two-story frame residence, 24 by 50 feet, cost \$2,500. J. H. Neff, Hampton, Ia., two-story frame, brick, 24 by 48 feet, cost \$2,000. Schoolhouse, Allison, Ia., two-story brick, 32 by 60 feet, cost \$5,000. Schoolhouse, Rock Valley, Ia., frame, 32 by 60 feet, cost \$4,500. Schoolhouse, Ackley, Ia., one-story frame, 26 by 40 feet, cost \$1,500. Business block, Britt, Ia., two stories, 90 by 60 feet, cost \$8,000. (All the above out for bids.)

DES MOINES, IOWA.

Business very good. Architects have a large correspondence, especially for churches, schoolhouses, etc. Outlook is better than at any previous part of the season.

Architects B. J. Bartlett & Sons: Aldine building, F. M. Mills, owner, four stories, Milwaukee pressed brick and Ohio sandstone, 22 by 100 feet, cost \$11,000; E. D. James, mason. Mrs. D. B. James, three-story residence, brick with stone trimmings, 29 by 56 feet, cost \$8,000; John Bailey, mason; R. A. West, carpenter. A. D. West, two-story frame residence, 32 by 50 feet, cost \$3,000; R. H. Baldrick, contractor. D. R. Ewing, two-story frame residence, 38 by 60 feet, cost \$10,500; D. R. Ewing, contractor. J. W. Brown, two-story residence, brick with stone trimmings, 28 by 59 feet, cost \$6,000 (done by the day, all of the above nearly completed); J. H. Holland, two-story frame residence, 24 by 42 feet, cost \$3,000 (under way); P. H. Baldrick, contractor. H. W. Sessions, block of three two-story residences, brick, 60 by 44 feet, cost \$6,000 (out for bids); Mrs. K. B. Day, Centreville, Ia., two-story frame residence, 28 by 46 feet, cost \$4,500 (under way); L. R. Feitch, contractor. Baptist church, Marquette, Michigan, brown stone, 66 by 109 feet, cost \$3,000 (under way); Presbyterian church, Sedalia, Mo., brick and Warrensburg stone, 58 by 96 feet, cost \$16,000 (under way); Baptist church, Greenfield, Ia., frame, 32 by 59 feet, cost \$3,300 (under way); J. W. Akin, contractor. Presbyterian church, Chicago, Ill., Anderson pressed brick, stone trimmings, 70 by 103 feet, cost \$16,000 (under way); J. H. Crumby, contractor. Congregational church, Cheyenne, Wyo., brick and stone, slate roof, 60 by 80 feet, cost \$15,300 (under way); Presbyterian church, Higginsville, Mo., brick and Warrensburg stone, 50 by 56 feet, cost \$10,000 (under way); R. Cavanaugh, mason; Dinwiddie & Co., carpenters. Congregational church, Steubenville, O., brick and stone, 43 by 96 feet, cost \$18,000 (under way); J. H. Nicholson, mason; E. Graf-fair, carpenter. Presbyterian church, Colder, Mo., frame, 42 by 40 feet, cost \$2,500 (not yet contracted); Central Female College, Lexington, Mo., brick with stone trimmings, 50 by 100 feet, cost \$30,000 (projected); improvements residence F. M. Mills, Des Moines, frame, cost \$6,000 (projected).

EVANSVILLE, IND.

Status at present dull, but with more encouraging prospects for the fall.

Architects Reed Bros.: Reitz & Garvin, banking-house and offices remodeled and new front put in, three stories, pressed brick and stone, tin roof, 40 by 90 feet, cost \$8,000 (nearly completed); G. Goodidge, H. R. Cadess *et al.*, contractors. M. J. Bray, Jr., three-story store, pressed brick and stone, tin roof, 20 by 140 feet, cost \$5,000 (under way); Kuhlman Bros., J. Meyer *et al.*, contractors. St. Paul Episcopal church, stone, with slate roof, 44 by 88 feet, cost \$32,000 (foundations in); Otto Kroll and F. Coster, contractors. New wing to school building, two stories, brick and stone trimmings, 50 by 80 feet, cost \$10,000 (under roof). Public library (donated by Hon. W. Carpenter to city of Evansville), brick, stone and terra-cotta, 75 by 75 feet, cost \$70,000 (roofed and plastered); Saml. Bayard, two-story addition to residence, brick and stone, tin roof, cost \$5,000 (just begun; work done by the day). A. G. Cloud, McLanders, Ill., two-story residence, brick and stone trimmings, slate roof, cost \$25,000 (under way; work done by the day). W. W. Shelby, Henderson, Ky., two-story residence, brick with stone trimmings, slate roof, cost \$10,000 (foundations in); O'Brien & Hicks, brickwork; John Mundo, carpentry contractor. Mr. R. Cotton, Madisonville, Ky., two-story residence, brick and stone, slate roof, cost \$8,000 (work done by the day).

EAU CLAIRE, WIS.

Building outlook good.

Architects Gurnsey & Hind: Opera House Co., opera house, 105 by 165 feet, cost \$60,000. Geo. B. Shaw, residence, 40 by 60 feet, cost \$40,000. R. H. Chute, residence, 38 by 60 feet, cost \$4,000. J. G. Thorp, residence, 40 by 55 feet, cost \$25,000. Henry Davis, residence, 42 by 70 feet, cost \$30,000. D. R. Moore, residence, 80 by 40 feet, cost \$28,000. Mrs. R. Porter, residence, 40 by 40 feet, cost \$10,000. S. Smith, stores, 80 by 60 feet, cost \$15,000. R. H. Rust, residence, 42 by 65 feet, cost \$10,000. D. W. Day, residence, 30 by 55 feet, cost \$8,000. F. E. Huiss, residence, 30 by 42, cost \$5,000; Opera House Co., two stores, 26 by 165, cost \$10,000 (all being done by day work).

FRANKFORT, IND.

The season has been good, but the present outlook is not so encouraging.

Architect J. W. Hammond: W. A. Coulter, opera house, brick, 66 by 132 feet, cost \$35,000 (to be opened August 9); sublet to various parties. D. B. Henderson, block of stores, two stories, brick and iron, with tin roof, 66 by 132 feet, cost \$15,000; W. M. Palmer, contractor. Mrs. Jennings, one-and-a-half-story cottage, cost, \$1,500; same contractor. A. Hevalin, two-story brick dwelling, cost \$2,500; J. Dalby, contractor. Johnson high school, two-story, brick and stone, 69 by 73 feet, cost \$1,500; J. L. Fatout, contractor. H. G. Morrison, two-story frame dwelling, cost \$2,500; J. Dalby, contractor. J. G. Clark, two-story frame dwelling, cost \$1,500. M. E. church, one-story brick and stone, with slate roof, 64 by 36 feet, cost \$17,000; J. F. Evans, contractor. C. R. Pense, two-story brick dwelling, cost \$6,000. Kerklin school building, brick and stone, cost \$6,000; L. H. Daniels, contractor. Public school building, Galveston, Ind., two stories, brick, cost \$7,000; P. A. Sassman, contractor. Baptist church, Thornton, Ind., brick, with slate roof, 32 by 46 feet, cost \$2,000. (All the above are under way, with exception of the last, which is out for bids.)

FARGO, D. T.

Business dull and the outlook unfavorable, dependent on the crops. The season has been much slacker than the last.

Architects Daniels & Proctor: S. G. Roberts, three-story and basement, brick, 135 by 85 feet, cost \$60,000. John Grady, two-story and basement, stone front, 25 by 70 feet, cost \$6,000. (All the above under way.) W. H. Weelin, Grand Forks, D. T., frame residence, 24 by 54 feet, cost \$5,000 (projected). First National Bank, Casselton, D. T., two stories and basement, 50 by 90 feet, cost \$22,000; Silas King, contractor. Hubbard & Grosvenor, same place, two-story and basement building, 50 by 80 feet, cost \$15,000; John Devitt, contractor. Austin & Williams, Fergus Falls, Minn., three-story and basement building, 50 by 100 feet, cost \$15,000; Reynolett & Parent, contractors. Masonic temple, same place, two-story and basement building, 50 by 110 feet, cost \$14,000. S. Austin, same place, two-story and basement residence, 26 by 60 feet, cost \$9,000; Sheean & Beckmann, contractors. C. C. Clement, same place, frame residence, 20 by 40 feet, cost \$6,000. (All the above under way.) Fargo Republican Printing Co., three-story and basement building, brick, with tin roof, 40 by 100 feet, cost \$25,000 (projected). School building, Casselton, D. T., frame, 30 by 60 feet, cost \$10,000. J. B. Folsom, Fargo, D. T., frame residence, 22 by 55 feet, cost \$9,000. D. F. Polk, same place, frame residence, 20 by 40 feet, cost \$5,000. (All the above just finished.)

INDIANAPOLIS, IND.

Architect Edgar Hodgson: Peter Gamting, two frame residences, 32 by 66 feet, cost \$8,000; C. F. Rafert, contractor. Lindley Vinton, frame residence, 35 by 65 feet, cost \$4,000; F. Rubush, contractor. W. J. Richards, residence remodeled, 38 by 56 feet, cost \$4,000; same contractor. E. J. Hodgson, frame residence, 40 by 60 feet, cost \$6,000. J. B. Jaqua, Portland, Ind., two-story business block, brick and stone, two stories, 40 by 90 feet, cost \$7,500. J. Williams, Marion, Ind., three-story bank building, brick and stone, 66 by 132 feet, cost \$50,000; H. Ridout, contractor. Isaac Silvernale, Portland, Ind., store building remodeled, cost \$5,000. C. S. Artbur *et al*, two-story business block, brick and stone, 132 by 86 feet, cost \$2,000; W. H. Gettinger, contractor. W. B. Lebnig, two-story business block, 66 by 86 feet; cost \$10,000. Reed & Co., two-story business block, 55 by 100 feet, cost \$10,000. J. H. Wasson, Crawfordsville, Ind., frame residence, 30 by 65 feet, cost \$5,000; J. C. Dwiggin, same place, frame residence, 40 by 70 feet, cost \$6,000. Central National Bank, Greencastle, Ind., three-story building, brick and stone, 66 by 103 feet, cost \$32,000; P. Routier, contractor. Delaware Co., Muncie, Ind., county jail, 50 by 50 feet, cost \$22,000; W. H. Meyer & Son, contractors. Huntington Co., Huntington, Ind., county jail, 50 by 100 feet, cost \$26,000; J. W. Hinkley, contractor. Mason Co., Maysville, Ky., county jail, 65 by 130 feet, cost \$38,000; same contractor. (All the above are under way.) J. W. Ryan, Muncie, Ind., two-story frame residence, 55 by 92 feet, cost \$10,000 (projected).

KANSAS CITY, MO.

Building matters are rather quiet as regards large enterprises; owners inclined to put off until another season. There is a demand for small houses of five and six rooms, which is likely to stimulate fall trade.

Architects Greenleaf & Behrend: Carle Cracker and Confectionery Co., four stories, brick, with felt and gravel roof, 60 by 80 feet, cost \$8,000 (just finished); W. E. Greenleaf, superintendent. P. Larson & Co., six one-story frame cottages, 20 by 40 feet, cost \$4,500; J. L. Davidson, contractor. School Board, three stories, brick and stone school building, slate roof, 100 by 100 feet, cost \$15,000; C. J. Lucas & Son, contractors. J. E. Carle, four three-story dwellings, brick, with slate roofs, 23 by 40 feet, cost \$18,000, separate contracts; W. E. Youngly, superintendent. J. S. Nettleton, two two-story dwellings, brick, with slate roofs, 22 by 50 feet, cost \$8,500; James Brennan, contractor. E. R. Champion, two-story dwelling, with slate roof, 21 by 42 feet, cost \$3,000; O. E. Bowen and T. O. Combs, contractors. F. L. Payne, two two-story cottages, frame, 18 by 30, cost \$900; John Thomas, contractor. J. R. Curry, three-story double dwelling, brick, with composition roof, 40 by 40 feet, cost \$5,000; same contractor. John McC. Lord, two three-story store buildings, stone fronts, with tin roofs, 50 by 80 feet, cost \$12,000 (by daywork). (All the above under way). Synagogue congregation, two-story church edifice, brick and stone, with slate roof, 42 by 100 feet, cost \$20,000 (projected). A. L. Tifferman, Pleasant Hill, Mo., one-story store building, brick, with tin roof, 20 by 50 feet, cost \$2,000 (under way); O. Kolstad, contractor. S. G. Landers, same place, one-story store building, brick, with tin roof, 20 by 60 feet, cost \$2,500 (just finished, day

work); W. Greenleaf, supe intendent. S. M. Bowman, Kansas City, five-story hotel building, brick, with tin roof, 125 by 200 feet, cost \$60,000 (projected). Same party, two-story market-house, brick and stone, with slate roof, 75 by 150 feet, cost \$25,000 (projected). J. F. Carle, block of seven three-story dwellings, brick, with slate roofs, 150 by 42 feet, cost \$23,000 (projected). F. T. Miller, Holden, Mo., two-story frame dwelling, 30 by 45 feet, cost \$4,000 (under way); J. T. Nicholson, contractor. Wm. Steele, same place, two two-story stores, brick, with tin roofs, 50 by 142 feet, cost \$23,000 (projected). E. A. Gowdy, Pleasant Hill, Mo., two two-story stores, brick, with tin roofs, 20 by 40 feet, cost \$2,700 (under way, by daywork); W. E. Greenleaf, superintendent.

Architect F. B. Hamilton: P. D. Ridenour, two-story building, brick, with slate roof, 54 by 84 feet, cost \$30,000. D. B. McMechan, two-story building, brick, 23 by 62 feet, cost \$4,500. F. Howard, two-story frame dwelling, 26 by 49 feet, cost \$4,800. (All the above just completed). A. A. Baker, two-story dwelling, brick, with slate roof, 34 by 63 feet, cost \$9,000 (just lathed). A. R. Meyer, two-story dwelling, brick, 23 by 47 feet, cost \$4,500 (just plastered). Richard Gentry, two story dwelling, brick, with slate roof, 42 by 55 feet, cost \$9,000 (attic joists on). E. J. Farnsworth, two-story dwelling, brick, 31 by 55 feet, cost \$4,000 (foundations being put in). J. S. Rogers, two-story frame dwelling, with slate roof, 45 by 63 feet, cost \$12,000 (frame being raised). A. C. Monroe, three-story store and offices, brick, with gravel roof, 18 by 60 feet, cost \$6,000 (foundations in). M. L. Nugent, two-story store building, brick, with gravel roof, 24 by 65 feet, cost \$4,000 (roof on).

Architect V. W. Coddington: J. M. Byrne, two-story dwelling, brick with slate roof, 34 by 50 feet, cost \$7,000 (building by daywork). P. D. French, two-story dwelling, brick, with slate roof, 33 by 52 feet, cost \$6,200; T. W. Byron, contractor. J. H. Williams, two-story dwelling, brick, with slate roof, 31 by 40 feet, cost \$3,800; Wm. West, contractor. Church of Charity Hospital Association, three-story and basement hospital building, brick, with slate roof, 36 by 78 feet, cost \$11,000; Welsh & McLeary, contractors. C. S. Hartwell, two-story frame dwelling, with slate roof, 24 by 38 feet, cost \$4,200; T. W. Byron, contractor. O. L. Woodgate, two-story frame dwelling, 25 by 40 feet, cost \$3,000; Harvey & Robinson, contractors. W. J. Elliott, two-story frame dwelling, 23 by 30 feet, cost \$2,000; A. J. Bonham, contractor. Clyde Congregational church, chapel building, brick with slate roof, 40 by 65 feet, cost \$6,500 (by daywork). Wormstead & Pearce, two-story frame dwelling, 20 by 28 feet, cost \$3,000; S. J. Bonham, contractor. School Board, Sedalia, Mo., two two-story brick schoolhouses, 64 by 78 feet, cost \$12,500 each. (All the above are under way and chapel nearly finished).

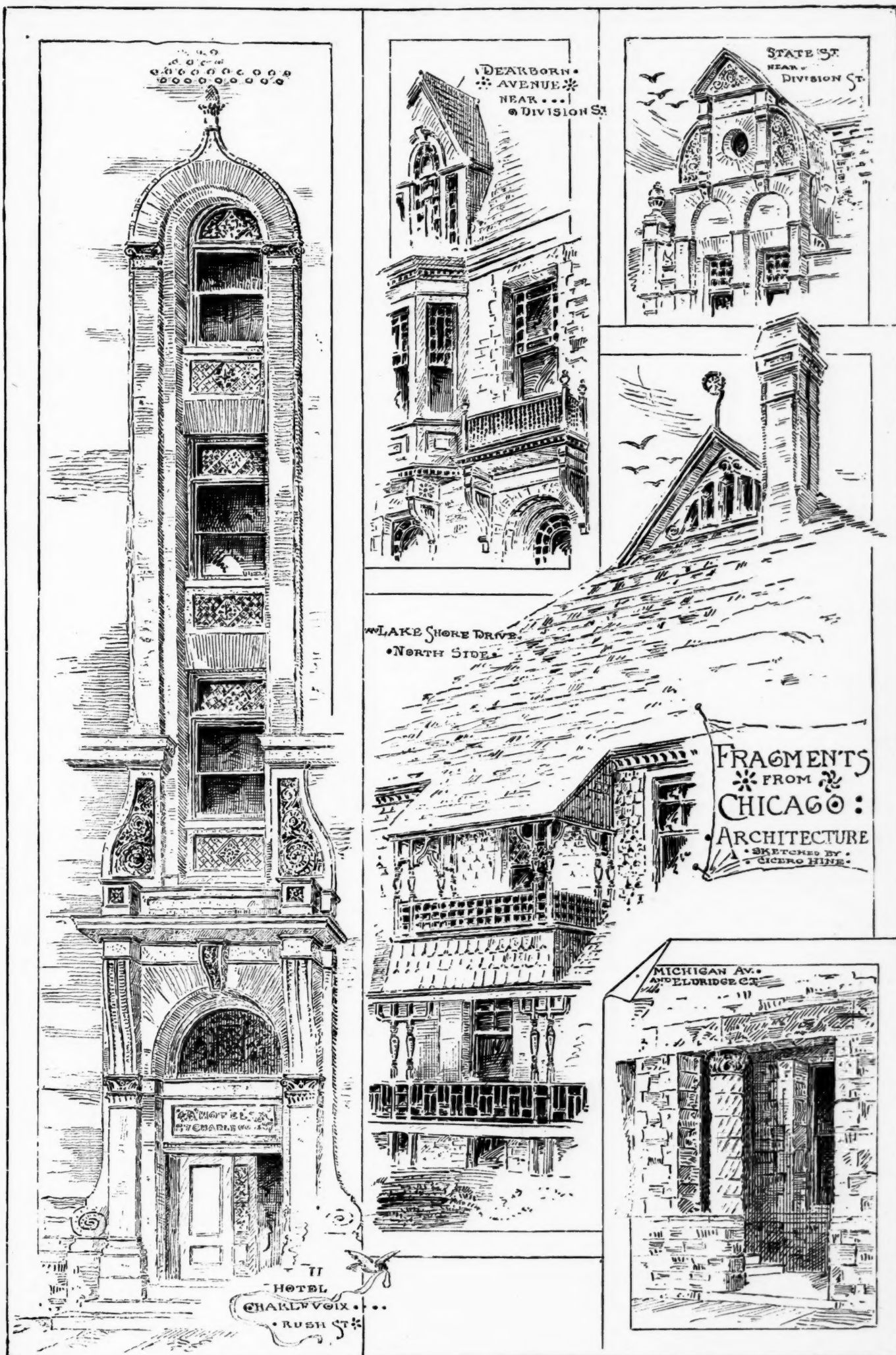
MINNEAPOLIS, MINN.

The business throughout the season has been good, and the outlook is equally good, better than last year.

Architect J. Haley: E. S. Jones, two-and-a-half-story frame house, 50 by 100 feet, cost \$40,000 (let by daywork). Pardy & Whittaker, eight tenements, brick, 36 by 155 feet, cost \$30,000; P. W. DeSancey, contractor. W. S. Harding, double dwelling, brick, 44 by 36 feet, cost \$8,000; S. C. Cutter, contractor. Frank Morse, brick dwelling, 35 by 60 feet, cost \$8,000; McMillan, contractor. Jno. Dunwoody, frame dwelling, 30 by 60 feet, cost \$5,000; P. W. DeSancey, contractor. W. Neil, block of frame tenements, 45 by 132 feet, cost \$8,000; Mr. Berglin, contractor. Same, double dwelling, frame, 51 by 56 feet, cost \$12,000; same contractor. C. Hinnelbach, store building, brick, 29 by 80 feet, cost \$12,000; M. Wetzel, contractor. R. C. Todd, frame dwelling, 40 by 60 feet, cost \$4,000; Healand, contractor. Mr. Munch, frame dwelling, 40 by 60 feet, cost \$6,000. D. R. Wagner, dwelling, 40 by 70 feet, cost \$12,000; McMillan, contractor. W. B. Hawley, double store building, brick, 44 by 100 feet, cost \$15,000; Mr. Bisbee, contractor. C. Hanson, frame dwelling, 30 by 60 feet, cost \$5,000 (by daywork). Medhal & Co., market building, 80 by 200 feet, cost \$30,000; D. Sullivan, double frame dwelling, 44 by 45 feet, cost \$8,000; C. O. Lanson, contractor.

Architect E. S. Stebbins: Winecke & Dorn, two-story frame stores and tenements, 44 by 60 feet, cost \$5,800; W. P. Burnett, contractor. S. P. Channell, five two-story frame stores and tenements, 116 by 60 feet, cost \$15,000; Hyatt, contractor. Same, livery stable, frame, 44 by 105 feet, cost \$6,000; same contractor. Coe & Forman, block of three frame stores and tenements, 70 by 55 feet, cost \$7,000; Troston, contractor. Gethsemane Episcopal Church Society, church building, Iowa limestone, 112 by 115 feet, cost \$40,000; F. Trainor, contractor. Budge & Griggs, Grand Forks, D. T., four-story block, St. Louis pressed brick front, with stone trimmings, 100 by 100 feet, cost \$60,000 (half completed). School Board, Warren, Minn., school building, two stories, brick and stone, 50 by 60 feet, cost \$8,000 (out for bids). School Board, Crookston, Minn., school building, two stories, pressed brick front, with brown stone trimmings, 68 by 70 feet, cost \$18,500 (excavations commenced). School Board, Monticello, Minn., school building, veneered, 60 by 70 feet, cost \$9,800 (ready for plastering). Episcopal Society, Owatonna, Minn., church, open timber roof, 30 by 60 feet, cost \$4,000 (to be commenced at once). G. G. Barnum, Duluth, Minn., frame dwelling, cost \$3,000 (under way). W. E. Johnston, Huron, D. T., frame dwelling, cost \$3,400 (under way).

Architect W. H. Dennis: John Thompson, two-story dwelling, pressed brick and slate roof, 54 by 70 feet, cost \$30,000 (by daywork). W. Sargent, two-story dwelling, pressed brick front and slate roof, 57 by 60 feet, cost \$15,000; R. W. Jordan, contractor. P. D. McMillan, two-story dwelling, pressed brick front and slate roof, 57 by 60 feet, cost \$15,000 (in progress, by daywork). J. H. Conky, two-story frame dwelling, 48 by 76 feet, cost \$13,000 (in progress, by daywork). Wyman Elliott, two-story dwelling, pressed brick front and slate roof, 50 by 70 feet, cost \$18,000. Same, three-story warehouse, brick, with tin roof, 22 by 112 feet, cost \$12,000 (drawings being made). Holbrook & Jackson, three-story packing-house, brick, with composition roof, 22 by 157 feet, cost \$12,000; J. J. Richardson, contractor. H. R. Farr, two-story frame dwelling, 29 by 60 feet, cost \$3,000 (by daywork). Mower Co., Court



House, Austin, Minn., three stories and basement, St. Louis pressed brick and Ohio stone, slate roof, 75 by 125 feet, cost \$70,000; Snow & Alsip, of Chicago, contractors. G. B. Wright estate, Fergus Falls, Minn., block of three-story stores and offices, brick and stone, 50 by 100 feet, cost \$25,000 (by daywork). (All the above are in progress of construction.)

MANSFIELD, O.

The building business is active and the outlook is satisfactory all over the state.

Architect M. Bumbaugh: L. A. Strong, two-story building, brick and stone, 44 by 56 feet, cost \$12,000; McCoy Bros., contractors. R. Smith, three-story store building, 22 by 60 feet, cost \$6,000; same contractors. Hon. John Sherman, remodeling residence, brick and stone, 65 by 85 feet, cost \$12,000; John Lekeger, contractor. Findlay College, church building, three stories, brick, with stone trimmings, 168 by 120 feet, cost \$60,000; Pierce & Coleman, of Dayton, contractors. School Board, McComb, O., school building, two stories, brick, with stone trimmings, 75 by 77 feet, cost \$16,000; B. Young and Harger & Co., contractors. Reformed Church South, Tiffin, O., church building, brick and stone, 46 by 60 feet, cost \$10,000; Temal, contractor. W. Wicher, Urbana, O., three-story brick and stone building, 60 by 100 feet, cost \$18,000; W. M. Wicher, contractor. (All the above are under construction.)

MOBERLY, MO.

Outlook as good as can be desired. Brickmakers are kept busy.

Architect Edwin Cook: R. W. Miller, block of three stores and offices, two stories, brick, with gravel roof, 58 by 80 feet, cost \$10,000; James Landisa, contractor. James Landisa, two-story brick building, 20 by 76 feet, cost \$3,000; own contractor. Henry Nice, two-story residence, brick, 38 by 36 feet, cost \$3,400. Block of two stories, Centralia, Mo., cost \$22,000. (All the above work is under construction.)

RICHMOND, IND.

Work is slackening off at this point, but the outlook is fair.

Architect John A. Hasecoster has just furnished the plans for a high school building at Granville, Drake county, O., of two stories and mansard with towers, brick and stone, with slate and tin roof, 98 by 154 feet, cost \$40,000; Alex. Kerr, contractor.

SPRING VALLEY, MINN.

The building outlook at this point is better than it has been for any period within six years.

Architect H. J. Anderson; J. O'Brien, two-story frame residence, 30 by 52 feet, cost \$5,000. Wells School Board, two-story school building, brick veneered, 40 by 90 feet, cost \$10,000. B. F. Farmer, two-story frame residence, 16 by 78 feet, cost \$3,000. R. Steffens, two-story frame residence, 18 by 46 feet, cost \$2,000. W. H. Strong, two-story frame residence, 16 by 42 feet, cost \$1,600. J. D. Allen, two-story frame residence, 16 by 40 feet, cost \$1,500. Carlston Church Society, frame church building, 26 by 52 feet, cost \$2,000. W. Cooper, two-story frame barn, 44 by 41 feet, cost \$800. S. Turner, frame barn, 40 by 56 feet, cost \$1,000. Village of Spring Valley, bridge combination, 45 by 24 feet, cost \$800. (All of the above are in course of construction.) H. J. Anderson is the contractor for all the work except the first two items; G. A. Baker is the contractor for the first and N. B. Craig for the second.

ST. LOUIS, MO.

Building condition very good and future prospects favorable.

Architect O. A. Grable: Jas. M. Ghio, two-story dwelling, stone and granite front, 37 by 56 feet, cost \$22,000; J. H. Dunlap, contractor. F. H. Ludington, two-story dwelling, stone and granite front, 45 by 65 feet, cost \$20,000; D. Evans & Bro., contractors. Mrs. C. T. Lewis, three-story store building, pressed brick and stone, 50 by 60 feet, cost \$20,000; S. Ross, contractor. Mrs. M. J. McCreery, two-story store building, brick, 35 by 67 feet, cost \$6,000; A. E. Cook, contractor. N. C. Harris, three-story dwelling, stone front, 22 by 71 feet, cost \$9,000; Greenwald & Wind, contractors. B. W. Lewis, block of four three-story and basement dwellings, brick and stone, 103 by 45 feet, cost \$25,000; same contractors. Miss M. E. Boyer, three-story store building, pressed brick front, 21 by 70 feet, cost \$9,000; same contractors. J. Meyer, two-story building, stone and granite front, 50 by 72 feet, cost \$20,000; A. E. Cook, contractor. M. Bernheimer, three-story store building, pressed brick front, cost \$40,000 (projected). H. D. Laughlin, four pressed brick dwellings, 75 by 55 feet, cost \$17,000 (projected). J. B. Ghio, two two-story dwellings, pressed brick, 35 by 50 feet, cost \$7,000; M. Austin, contractor. C. Eichle, three two-story dwellings, stone fronts, 70 by 60 feet, cost \$20,000 (projected). G. P. Whitelaw, two-story store building, stone and iron, 25 by 100 feet, cost \$17,000; B. Stollmeyer, contractor. M. Bauman, three-story store building, brick, with galvanized iron front, 20 by 75 feet, cost \$9,000; A. E. Cook, contractor. Mrs. G. A. Bronson, two-story building, brick, with brown stone front, 40 by 60 feet, cost \$10,000 (projected). E. C. Moore, Columbia, Mo., two-story frame dwelling, 50 by 60 feet, cost \$15,000; John McDonald, contractor. Same, four two-story frame houses, each 32 by 35 feet, cost \$12,000; same contractor. Charles May, Atlanta, Ga., two-story dwelling, brick and stone, 50 by 72 feet, cost \$14,000. A. Gruble, John's Pass, Fla., two-story frame dwelling, 30 by 60 feet, cost \$5,000.

By John Beattie: J. H. Maurice, two two-story dwellings, brick, 22 by 67 feet, cost \$16,000; own contractor. Liggett & Myers Tobacco Co., five-story warehouse, brick, 100 by 120 feet, cost \$16,000; J. K. Burden, contractor. H. B. Eggers, four-story flouring-mill, brick, 49 by 90 feet, cost \$11,000; H. Ellermann, contractor. Mary Rogers, addition to building, stone, 75 by 90 feet, cost \$10,000; J. W. Givens, contractor. Henry Mundt, two two-story buildings, brick, 42 by 78 feet, cost \$8,900; A. Fenner, contractor. Famous Shoe and Clothing Co., three-story building, brick, 60 by 138 feet, cost \$30,000. Julia Kessell, three two-story buildings, brick, 50 by 51 feet, cost \$9,800; F. Offermann, contractor. F. I. Bryan, three-story building, brick, 40 by 70 feet, cost \$10,000; F. W.

Laffhagen, contractor. St. Louis Woodenware Works, two-story building, brick, 45 by 54 feet, cost \$7,500. J. D. Lucas, four-story building, brick, 119 by 109 feet, cost \$80,000; B. Weber, contractor. J. B. Ghio, three-story building, brick, 60 by 60 feet, cost \$8,300; S. C. McCormack, contractor. W. Kennedy, two-story building, brick, 50 by 59 feet, cost \$8,000; J. D. Fitzgibbons, contractor. St. Louis Type Foundry, three-story building, brick, 55 by 43 feet, cost \$8,000; C. E. Illsley, contractor. Geo. P. Whitelaw, four-story building, brick, 25 by 100 feet, cost \$13,000; B. F. Stollmeyer, contractor. J. M. Carpenter, four-story building, brick, 22 by 120 feet, cost \$9,100; M. Kirkwood, contractor; A. Demuth, two-story building, brick, 50 by 51 feet, cost \$9,000; Helm Brothers, contractors. B. Mossler, two-story building, brick, cost \$2,500.

TOLEDO, O.

At this point there has been quite a building boom, and the prospect is good for a continuance.

Architects D. W. Gibbs & Co.: Board of Education, eighth ward public school building, brick and stone, with slate and tin roof, 75 by 85 feet, cost \$18,000 (in construction); A. Bently, contractor. Soldiers' Memorial Society, memorial building, three stories, brick and stone, with slate and tin roof, 95 by 135 feet, cost \$60,000 (foundations—no contracts yet). Calvin Cone, frame residence, cost \$4,500 (projected). Champaign Co., jail and sheriff's residence, two stories, brick and stone, with slate and tin roof, 40 by 100 feet, cost \$30,000 (near completion); John Benson, contractor. Baptist Church Society, Urbana, O., church building, one-story auditorium, 36 by 40 feet, with lecture room adjacent, open timber ceiling, pastor's study, 30 by 32 feet, brick and stone trimmings, cost \$16,000 (near completion). Erie county, jail and sheriff's residence, three stories, stone, cells (24) and corridors steel, 45 by 110 feet, cost \$50,000 (near completion); Feick Bros., contractors. Kling Bros. & Hone, Marion, O., four-story hotel with annex, brick and stone, with terra-cotta trimmings and tin roof, 60 by 158 feet, cost \$60,000 (near completion); Bever & Butt, Dayton, contractors. Fayette Co., jail and sheriff's residence, brick and stone, with tin roof, 40 by 90 feet, cost \$18,000. Court-house, three stories, stone and fireproof, with tin roof, 85 by 110 feet, cost \$95,000 (in course of construction); North Bros. & J. Lichtenberg, contractors. Eaton Co., Mich., court-house, three stories, brick and stone, with tin roof, 80 by 100 feet, cost \$50,000 (in course of construction); Miles, Cramer & Horne, contractors. Eaton, O., high school building, three stories, brick and stone, with slate and tin roof, 80 by 90 feet, cost \$40,000 (in construction); W. McCabe, contractor. Marion Co., court-house, three stories, stone, fireproof, 85 by 110 feet, cost \$100,000 (in construction); E. W. Mitchell, contractor. Ionia Co., Mich., court-house, three stories, brick and stone, 75 by 110 feet, cost \$50,000 (projected). Butler Co., O., infirmary, three stories, brick and stone, with slate and tin roof, 120 by 160 feet, cost \$100,000 (projected). A. J. Stoll, Sandusky, O., residence, brick and stone, with terra-cotta trimmings, cost \$12,000 (projected). Geo. F. Conan, Camden, N. J., residence, brick and stone, with terra-cotta trimmings, cost \$10,000 (under way). Galion, O., public receiving-vault, stone, cost \$3,500 (projected). H. M. Weaver, Mansfield, O., residence, brick, with slate roof, cost \$12,000 (near completion).

Prices of Material.

The prices paid for building material in Chicago, St. Louis and Cincinnati are as follows:

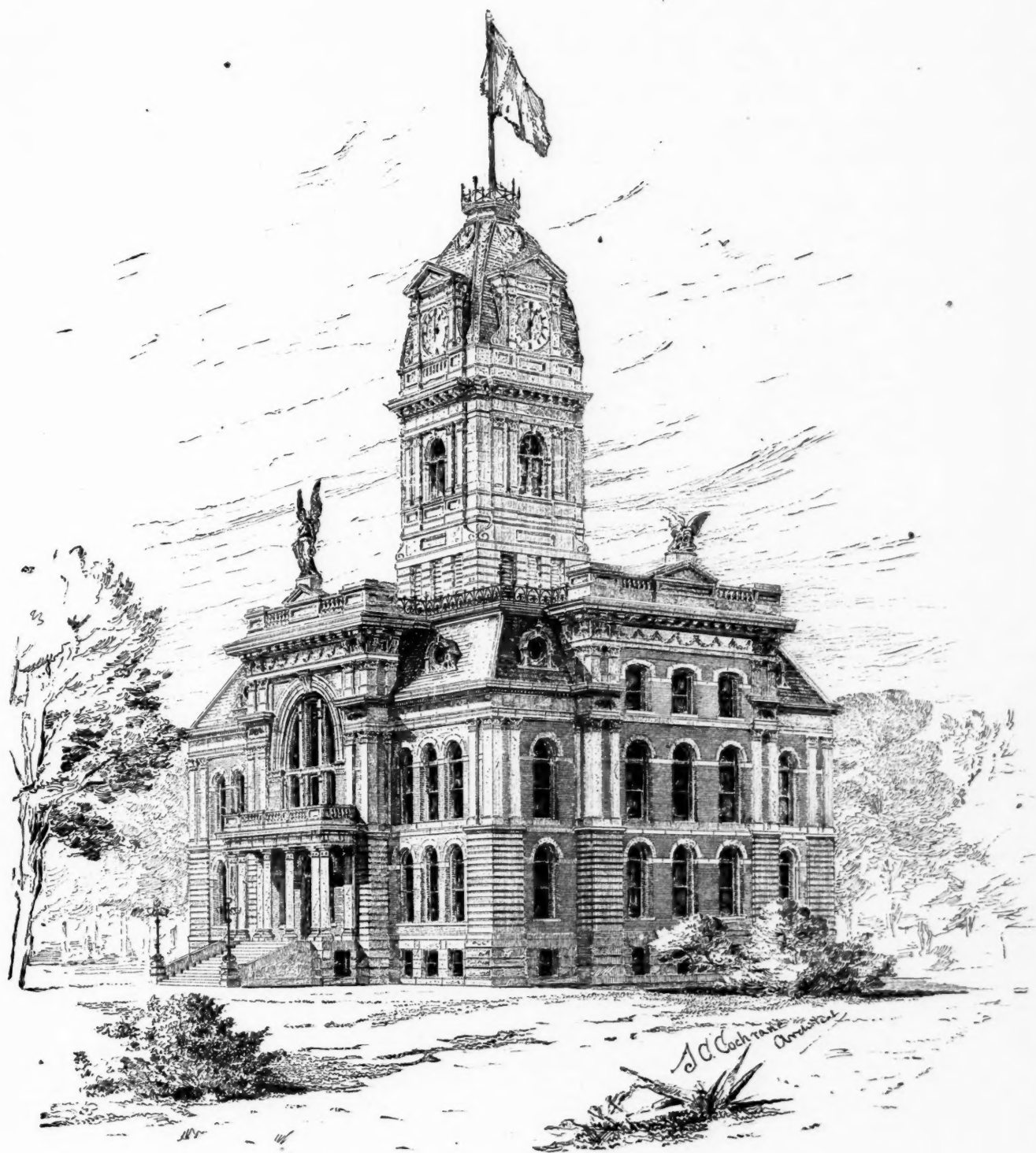
Brick (common)—Chicago, \$7.50 to \$8; St. Louis, \$18; Cincinnati, \$18. Pressed—Chicago: Indiana, \$16 to \$28; Anderson pressed, \$25 to \$40; ornamental, \$100 to \$300; enameled, \$100 to \$125; St. Louis, \$40; Trenton, N. J., \$45; Baltimore, \$55; Milwaukee, \$26; Philadelphia, \$48; enameled English, \$130 to \$200.
Stone—Chicago: Blue Bedford, 65 cents (square foot); Lamont, 50 cents; Joilet, 50 cents; sandstone, \$1.50; Greenstone, 85 cents; Dimension, 25 cents; Rubel, \$9.50 per cord. St. Louis: Warren stone, "blue," 85 cents; "white," 75 cents; Rubel, \$1.65 to \$1.90 per perch.
Cement—Chicago: Portland, \$3.25 to \$3.50; Utica, \$1.25; Milwaukee, \$1.40; Louisville, \$1.25.
Lime—Chicago, 75 cents to \$1 per barrel; St. Louis, "Glencoe," 50 cents per bushel.
Sand—Chicago, \$2.25 to \$2.50 per cubic yard; dock sand, \$2 per cubic yard; St. Louis, \$2.75 per cubic yard.
Plastering Hair—Chicago, 35 cents to 40 cents per bushel; St. Louis, 35 cents.
Plaster of Paris—Chicago, \$2 per barrel; St. Louis, \$2.25.
Nails—Chicago, \$3.50 to \$6.35; St. Louis, \$6.75.
Lumber—Chicago: boards, \$37.50 to \$47.50; framing timber, \$12 to \$20; shingles, \$2.00 to \$3.10; lath, \$2.60. St. Louis: Lumber a little higher than the Chicago market.
Plastering at St. Louis, for three-coat work, 30 cents per yard; laid off work, 28 cents per yard; all framework, 35 cents per yard; laid off framework, 33 cents; cornice, superficial work, 28 cents; gray finishing, 2 cents extra per yard on above prices. Plasterers are obliged to pay the city 1/4 cent per yard for all water used.

Our Illustrations.

Page 91, Residence of Architect E. E. Myers, on Woodward avenue, Detroit, Michigan, and first and second floor plans.

Page 95, fragments from Chicago architecture, sketched by Cicero Hine, from striking features of Chicago buildings, and representing the work of leading architects.

Page 97, Court-house, Porter County, Indiana, at Valparaiso, by John C. Cochrane, architect. It will be built on the public square, replacing the building formerly used, and will be an imposing edifice. The design is for a building 88 by 118 feet, 72 feet to top of the roof, which is surmounted by a central tower, 30 feet square and 93 feet high, making the top of the tower 165 feet from the ground. The walls will be built of cut stone from the Ellertsville quarries. There will be two entrances, front and rear, with six-column porticos, reached by steps 26 feet wide. The interior will be finished in hardwood throughout, and will contain the usual offices, court-room, etc. The basement is 10 1/2 feet high, the first story 18 feet, second story 18 1/2 feet, except the court-room and rotunda, which are 26 feet. The cost of the structure will be about \$126,000. When this structure is finished Porter county will possess one of the finest court-houses in the state.



COURT-HOUSE AT VALPARAISO, IND.

Architectural Notes.

PERU, IND., has over forty houses under construction at the present time.

ST. PAUL Church, Milwaukee, a beautiful and massive structure, is to cost \$150,000, not \$15,000, as stated in July number.

HON. CHAS. B. FARWELL has changed the plan of his house, and Anderson pressed brick is used as material instead of stone, as was first proposed.

MESSRS. W. D. KERFOOT & Co. have let contracts for the construction of ten more cottages such as those which they erected last spring on West Chicago avenue, making thirty houses, including the above.

ARCHITECT F. WM. FIEDER is constructing for R. W. Rathburne three houses on Washington boulevard, and plans for several out-of-town parties, including working drawings for a summer cottage at Lake George.

THE Syndicate Block in Minneapolis, one of the finest mercantile structures in the state, and which contained, besides stores and offices, a handsome theatre, was recently damaged by fire to the extent of \$100,000.

BETWEEN Liverpool and Steubenville, on the Ohio river in Ohio, there are sixty-three firms engaged in making firebrick and drain-tile. The bed of firebrick-clay averages nine feet in diameter, and is of superior quality.

ARCHITECTS BARBER & BARBER, of Winnipeg, Manitoba, are erecting at that city a new church edifice for the Knox Presbyterian church congregation. The church, it is understood, will be one of the finest in Manitoba.

A NEW kind of material for roofing has been discovered at Fort Worth. The *News* says: "Maj. Twombly is roofing his new building with characteristic energy." We hope the new material will come into general use.—*Texas Siftings*.

ARCHITECT W. L. B. JENNEY has prepared plans and awarded contracts for residence for Mrs. Harriet B. Hall at No. 22 Walton place. The building will be faced with Anderson pressed brick, and the style will harmonize with the adjacent house.

JAMES CONNORS, an Evanston contractor, is building a residence for George Lord, to be finished September 15, three months from date of contract. Burnham & Root are the architects. Also a residence at Winetka for S. O. Smith, of which Edbrooke & Burnham are the architects.

MR. J. J. LOCKWOOD has received the contract for supplying St. Louis hydraulic pressed brick for the new Pullman office building. This building will consume more than 300,000 brick in its construction. Mr. Lockwood will also supply 200,000 St. Louis brick for the Commercial Safe Deposit Company's building.

ARCHITECT NORMAND S. PATTON is about to construct a chapel on Sedgwick street for the New England Congregational church, for the accommodation of a Sunday school and a Kindergarten during the week. The plans include many ingenious devices for the proper utilizing of all the space, and special provision is made for efficient lighting and ventilation.

It is reported that Dennis Ryan is about to erect a hotel in St. Paul, Minn., at a cost of \$1,000,000. It will cover a block on Robert street, between Sixth and Seventh streets. The citizens have given him a bonus of \$270,000. This is St. Paul's Roland for Minneapolis' Oliver, and, if our information is authentic, when completed these cities will possess two of the finest hotels in the West.

THE residence of Mr. H. A. Allyn, at Evanston, was burned on the 14th ult., a stove causing the fire. The roof and sides of the building were covered with the double iron fire-proof metallic shingles, handled by Messrs. H. A. Allyn & Co., Chicago, and, while the interior was completely burned out, the exterior or shingle covering remained sound and intact, demonstrating the fireproof quality of these shingles.

A SYSTEM of steam heating that is becoming quite general is being introduced in the remodeling, by Cobb & Frost, of the old L. Z. Leiter residence on Calumet avenue, recently purchased by John B. Drake. This system is introduced by Baker, Smith & Co., of Chicago, and consists in the placing of the boilers in the barn and connecting with the residence by underground pipes packed in asbestos and thoroughly insulated.

ARCHITECT GEORGE A. MASTERS has completed the remodeling of Haverly's theater, having originally largely to do with the designing, though another was its reputed architect; when the management decided upon certain changes Mr. Masters was chosen, because of his intimate knowledge of the plans, as well as his ability as a theatrical architect. The entire front exits have been changed; the seating re-arranged, as well as the proscenium boxes, and other features introduced to the general improvement of the auditorium.

H. M. HANSON has designed a handsome double residence in modern Gothic, at the corner of Clark and Wisconsin streets, for A. Olsen, in charge of E. S. Dwyer. It will be cellar, two stories and attic, with rock-faced foundation, and superstructure in brick, ornamented with panels, courses, and gables in red terra-cotta. The dimensions will be 58 by 57; also a three-story and cellar flat-arranged building at No. 39 Ray street, for E. Nelson. This will be 60 by 25 feet, with three flats, each with six rooms. It will cost \$9,000.

ARCHITECT EDWARD BAUMAN has drawn plans for a nice residence for Col. J. S. Wilson, to be erected on Deeming court, just west of Clark street. The house will be two stories, basement and high attic, and in size will be 36 by 71 feet. The three walls will be of Chicago pressed brick, and the front will be attractively trimmed with brown stone and terra-cotta. This architect is also building two residences for C. H. Blair, on Prairie avenue, near Twenty-ninth street, both three stories and basement. The material used is Trenton pressed brick fronted with terra-cotta

and stone trimmings, being 46 by 74. The first floor contains four rooms for each house; cost when completed, about \$30,000.

THE five-story building recently completed for the Canada Life Assurance Co., at Hamilton, Ontario, is a structure of which the company and all Canadians may well be proud. It is built of Connecticut brown stone, with semi-Gothic roof and turrets at the corners, and the main corner surmounted by a clock tower. The interior of the general offices exhibits some magnificent carving, by a Mr. Hicks, of Hamilton, at a cost of over \$20,000. The carving is in cherry and mahogany, and is placed in panels on the ceiling and in cornices, columns, etc. The private apartments of the company are of equal elegance, and, as a whole, this interior has no equal in Canada. Architect White, of Buffalo, designed the building.

THE lot adjoining the new Commercial Safe Deposit Company's building on the south, which belongs to the Brooks estate, about which so many rumors have been circulated, and all sorts of clubhouses, theaters, etc., have been built in people's minds, by telegraph and by the daily press, is not to be built upon at present. At least it is authoritatively stated by the agent of the property, Mr. Owen F. Aldis, that the property will only be leased to thoroughly reliable parties, and for the purpose of erecting upon it a substantial office building. This lot like that upon which the bank is being built, remains under the control of the agent in so much that his approval of all plans of building must be secured before the ground can be built upon.

THE ability to move heavy brick buildings along streets, turn corners, etc., without danger to people or damage to buildings, is illustrated by a recent moving in Chicago: A party has completed the moving of a three-story brick building, twenty-four feet front and sixty-five feet deep, from its original site on the north side of Taylor street, fronting east on Dearborn street. The building was first moved diagonally to the center of Taylor street, then west on Taylor street about 200 feet, where it was made to perform a quarter of a revolution and placed upon its new foundation, with its former east front facing south. This movement of a heavy brick structure without injury is a remarkable achievement, but is not uncommon in Chicago.

ARCHITECT I. C. ZARBELL is building two blocks of thirteen houses each, situated upon both sides of Bissell street, between Webster and Garfield avenues, for John T. Davis. They are two stories and basement in pressed brick. The basements and first floors rent together or separately. Twenty are arranged in double houses, and six in blocks of three each. The expenditure will be \$125,000. Also a double three-story and basement building at the corner of Winchester avenue and Van Buren street for William Maar. It will contain six flats of seven rooms each, and will cost \$14,000. For Arnold Brothers, on Irving place, between Jackson and Adams streets, three two-story and basement pressed brick dwellings, six flats, costing \$12,000.

THE high-school building at St. Paul is nearing completion. It was designed by D. W. Millard, the architect of the school-board, and will cost \$100,000 when completed. The contractor for the construction was A. D. Desporais; for the foundation, Breen & Young; for the steam-fitting, J. L. Fox & Co., and school furniture, the Union School Furniture Co., of Battle Creek, Mich., the total contracts let being \$92,800. The building is 156 by 128 feet, is semi-gothic in style, and is surmounted by a tower 140 feet high from the street level. The materials used are Kasota stone for foundations, and red brick and stone trimmings for superstructure. The sewerage, ventilation and heating have been thoroughly attended to upon the most approved methods.

THE customhouse and postoffice now under construction at Hamilton, Ontario, is to be the finest government structure in Canada, excepting the Parliament buildings at Ottawa. The general style is a modern Gothic. The structure will be five stories in height, with exceedingly massive walls built of a light-brown sandstone, quarried in the Cr dit valley, near Toronto. The architect is well known to the profession on both sides of the line, being the architect Fuller who designed the capital building at Albany, N. Y., and who, as the architect for the Canadian government, designed and constructed the Parliament buildings at Ottawa. Brown & Low, of Toronto, are the contractors for the stonework, and Mr. Eli Van Allen is the carpentry contractor, while Mr. George Sharp, one of the oldest and most experienced contractors in Canada, is the government inspector. The estimated cost of the structure will be about \$200,000.

ARCHITECTS ADLER & SULLIVAN have commenced work at Aurora upon a mammoth factory for the Aurora Watch Co. The buildings will have a frontage of 320 feet. The main building will be four stories in the center, with three-story wings. The center portion is 50 by 89 feet, and each of the wings is 36 by 135 feet. The machine shop is 35 by 95 feet, the boiler house 35 by 65 feet, the dial-house 32 by 89 feet, and the stack 12 feet at base and 125 feet in height. The architecture is massive and symmetrical. In the construction the eastern system of solid timber floors will be used, and fans and the stack will be used for ventilation. The company proposes to profit by the experience of other manufacturers, avoiding defects, and improving upon the better points of other factory buildings. The buildings will be completed in about two years at a cost of over \$100,000. Also a three-story and basement residence, 33 by 76 feet, with brown-stone front, in original design, for M. Selz, at 1719 Michigan avenue, to cost \$28,000.

A NEW firm in the hardware line whom architects and builders will be glad to know is Messrs. Bullard, Gormley & Blackburn. Messrs. Bullard & Gormley have been known to the hardware trade of Chicago for a number of years, and Mr. Blackburn is the son of Captain Martin Blackburn, well known in marine circles. They are worthy of the fullest confidence of the building public, and should receive that recognition which their enterprise and knowledge of the hardware business warrants, and we bespeak for them the filling of a fair share of the contracts our growing city calls for.

Lumber Notes.

SHAVINGS of veneer of different kinds of wood are coming into vogue in England for book-covers.

LUMBER, perfectly clear, can be cut from redwood, 5 feet wide and from 10 to 20 feet in length.

The Bay City *Lumberman's Gazette* estimates the shortage of the mill cut on the Saginaw river to be 250,000,000 feet.

DURING the past two months there have been entered at the Government land office at Jackson, Miss., 178,000 acres of pine lands.

BROWN BROS. & Co., lumber dealers and insurance agents at Detroit, Mich., assigned Monday. Liabilities, \$100,000; assets half.

SOUTHERN forests are being cut down at such a rate, it is feared if continued it will change the entire normal climatic conditions of portions of Florida, Georgia, Alabama and Mississippi.

HICKORY, dogwood and persimmon, which a short time ago was almost worthless in North Carolina, is now in demand at \$6 per cord for sawing into blocks for the manufacture of power-loom shuttles.

IT is estimated the standing pine beyond the headwaters of the Pike, a tributary of the Menominee, in Wisconsin, amounts to 1,500,000,000 feet. It is at present inaccessible to a driving stream and must be reached by rail.

THE entire white pine growing in the United States and ready for the axe is estimated not to exceed 80,000,000,000 feet, and this includes inferior trees, which a few years ago would not have been taken in an estimate.

THE log drives in the Chippewa and Black River pineries have been virtually abandoned. The water in the main rivers has receded to such a stage to have kept the crews would have been a waste of time. There is now at least 250,000,000 feet of last winter's cut hung up.

THREE million and a half feet of Southern yellow pine lumber were recently sold in New York city on three contracts. Two and a half millions of the amount will be consumed in 112 buildings, to be erected on the Isthmus of Panama for the Lesseps Canal Company, which are made in New York.

THE State mineralogist of California estimates the quantity of lumber cut each year in California and shipped eastward at 70,000,000 feet. Cordwood is shipped in about equal quantity. Notwithstanding this cutting the replenishing goes on at a ratio that no lacking is feared. There are millions of acres of timber on the mountain ranges.

THE Bay City *Lumberman's Gazette* says a river jammed full of logs for forty miles is no uncommon sight in Michigan, that the river from Alpena to Hillman is just in such a condition at present. Before snow flies they will have all been subjected to the dissecting process of the circular, gang and edger, and probably be under distribution.

Personal Gossip.

ARCHITECT C. S. FROST, of the firm of Cobb & Frost, is taking a trip to Dakota.

JOHN COLWELL, well known throughout Illinois as a building contractor, has been adjudged insane at Ottawa. He was refused admission to the asylum at Elgin.

J. W. KEPLINGER, a St. Louis contractor, was severely injured recently by falling a distance of fifty feet from the roof of an opera house in process of construction at Fort Worth.

ARCHITECT J. M. VAN OSDEL has left the city to spend a few days in Pennsylvania, and will visit the beautiful lake of Chautauqua, in Chautauqua county, N. Y., the birthplace of his wife.

MISS WHITE, the sister of a Kentucky member of Congress, who has been employed in the office of the supervising architect of the Treasury, has resigned her situation to go abroad and pursue her architectural studies.

T. L. JOHNSON, the representative of the architectural and engineering supply house of Keuffel & Esser, of New York, was in the city during the week upon an extensive tour through the cities of the Northwest. Mr. Johnson is welcomed wherever he goes as the gentlemanly representative of a popular house.

THE members of the Chicago Builders' Exchange recently expressed their approval of the manner in which their secretary, Mr. Earnest C. Prussing, conducted the affairs of the association by presenting him with a valuable diamond pin. The president, Mr. Wm. Tapper, and treasurer, Mr. Gobel, were each presented with a gold-headed cane.

MR. HENRY BUTMAN, who is well known in the West as a representative of the works of Dewitt & Sons, has taken the management of the western office of the Clinton Wire Cloth Company. The architects and builders of the West will find in Mr. Butman a gentleman of pleasing address and business integrity, one well qualified to represent his house in the West.

IRVING K. POND, who as general superintendent and draughtsman under architect Beman, at Pullman, for the past two years, has become well known to the profession, sails for Europe about September 1. Mr. Pond has planned an extensive trip. During the next three months he will be in the south of Europe, then continuing in the north, will study the architecture of the continent, old and new.

W. H. BARKER, the western representative of two Pittsburgh publications, writes, asking that his identity be not confounded with that party using the same name who has been swindling the "INLAND ARCHITECT AND BUILDER," and other journals at St. Louis. Mr. Barker writes us that his appearance does not tally with our printed description of the swindler, and those who know Mr. Barker will not be misled.

WILLIAM DODD, for several years employed in Architect Beman's office at Pullman, has been placed in charge of the drafting department of the Northern Pacific railroad at Portland, Oregon. Mr. Dodd, like Mr. Irving K. Pond and many others of our most promising draughtsmen, first studied under Architect W. L. B. Jenney, and, developing a considerable talent for designing, was engaged at the Pullman offices in this capacity. His friends will be glad to learn of his promotion, and wish him every success.

F. WM. FIEDER, formerly of New York, and for the past two years having charge of all designs made for cars built by the Pullman Palace Car Co., has severed his connection with the company, and has opened an architectural office at 113 Adams street. Mr. Fieder is a gentleman who represents the growing architectural talent in Chicago, being one of the many young, enterprising and talented architects who have recently located here, giving to architecture a new impulse, and as such merits the recognition of the profession and the public generally. One of Mr. Fieder's specialties is the sketching of special designs in furniture.

General Notes.

C. F. RICE is making a very fine display of pier and mantel mirrors.

O'BRIEN BROS., painters, are finishing the elegant new residence of C. P. Kimball, Esq.

THE Chicago Fireproof Paint Co. have removed from 86 Washington street to 89 Randolph street.

THE mantel, grate and fire-set firm of Albert A. Riley is making a specialty of imported English raised work and fine tiles.

THE contract for furnishing standard furniture for the courthouse and postoffice at Philadelphia has been awarded to A. H. Andrews & Co.

THE stained glasswork exhibited in the new store of Hannah & Hogg is extremely rich and artistic in design. Messrs. Kinsella & Haywood executed the work.

JONES & STEBBENS have made arrangements with Hopkins & Dickinson Manufacturing Co. to handle their hammered bronze trimmings and also their basket patterns of bronze.

CORRETTI & HOGAN, the fresco artists, are doing good work in Chicago. Mr. Corretti is well known as an artist of the Italian school, and his work is always thorough and artistic.

R. E. DEWEY & Co., manufacturers of galvanized iron cornices, have removed to their new quarters corner Quincy and Clinton streets, and are busy with city and country orders.

MESSRS. SHIELDS & BROWN, the proprietors of the Bradley insulated covering for steam pipes, boilers, etc., received the silver medal for that material at the late railway exposition.

A HANDSOME and well-executed sign has been painted by Barry & Son for the Chicago agency of the American Watch Co. It is 6 by 11 feet, and the ground is gold with black lettering.

AT the recent railway appliance exposition Messrs. Coffin, Devoe & Co. received the gold medal for their railway car body colors, beside several other medals of lesser importance.

GEO. E. WEIR, the looking-glass manufacturer, is getting out many new designs, and will issue a new catalogue the 1st of September. His French and German plates he imports direct.

INDICATIONS are not wanting that a good fall trade will be enjoyed by the painters and paperhangers. J. McDermott reports several large contracts for fall work, both in painting and frescoing.

AN attachment which is said to be effective in preventing water beating under outside doors is called Wood's combined door and weather strip, and is made by the Howard Manufacturing Co., of Chicago.

A CORRESPONDENT inquires the prices of different pavements. The average price per square yard is as follows: Wooden blocks, \$1.20; sheet asphalt, \$2; block asphalt, \$3.13; granite, \$4.34; macadam, \$1.25.

E. BROWN & Co., the photo-engravers, are competing successfully for eastern as well as western business. Their reproduction of architectural designs and perspectives is certainly equal to the best in the country.

HUGHES & SON, contractors, are building for M. Donchue, on Adams, near Jefferson street, a four-story building with store below and flats above; also a large residence for Thos. Connelly on Polk and Loomis streets, which will receive an elegant interior finish.

MESSRS. ORR & LOCKETT, who are the sole agents in Chicago for the Norton door check and spring, which has lately been changed in many particulars, have recently placed forty-one of them on the doors of the new C. B. & Q. railway offices, and they are giving excellent satisfaction.

MUCH of the Utica cement used in the foundations of our large structures is procured through the agency of Meacham & Wright—all of that used in the foundations of the new Pullman office building, the Commercial Safe Deposit Co's building, and the Board of Trade being furnished by them.

RENTON BROS., New York, are handling the Thomas Kelly & Bro's self-acting closets and stop and waste cocks, at 24 Williams street. A shipment was made the past week of nickle-plated and all crockery tanks for a fine residence there. They also have agencies at Rochester, Utica and Syracuse.

THE ornamentation of rooms by the use of mouldings is generally practiced. All kinds of woods are used to correspond with the finish of the rooms. W. H. Fleming, of 113 Madison street, has become known as an authority in the designing of these mouldings, and adapting them to the interior finish.

H. J. MILLIGAN has completed the re-frescoing of Haverly's and Hooley's theaters, and both, particularly in the entrances, are greatly improved, the work being under the direction of the able fresco artist Mr.

M. Hayken. Mr. Milligan is also frescoing the St. Paul German Lutheran church at Michigan City, the masonic hall at La Porte, and enjoys a general busy season.

THE germicides placed in the main water-closets of the Palmer, Grand Pacific and other hotels, are giving perfect satisfaction. The high encomiums of praise from the many citizens using them should induce everyone to give them a trial.

EDW. E. HARBERT & Co. have just finished putting up a private telephone line for the Union Brass Works, connecting their main works with their new forge works; also are now furnishing two new houses being built for Messrs. Borden & Selleck in Groveland Park with electric gas lighting apparatus, burglar alarms and electric bells.

BUSINESS in the cornice works of Messrs. Atkinson & McFarland is booming. This firm did the galvanized iron and slate work on Messrs. E. Jennings & Co's building on West Madison street, and are engaged now on many other fine jobs. Among them are E. B. McCagg's residence and the North Chicago City R. R. Co. new offices.

THE Yale & Towne Manufacturing Company have recently produced a line of hammered bronze door and window trimmings which is a new departure from the old stereotyped patterns generally used for this purpose. They have already supplied many fine houses and buildings with it. It is very choice and durable, and is much admired.

THE manufacture of zinc centerpieces and inside cornice has become one of the standard industries of Chicago. Messrs. Warren Bros. are at present filling a large order for Omaha, and they also have several orders of special designs nearly ready to ship, where ventilation or an unusual feature in construction requires some unique ornamentation.

MCCULLY & MILES are working on some handsome windows for the Plankinton residence, Milwaukee. In the library, Scott's Lady of the Lake is illustrated by medallions in the center of the windows. They have also just completed the stained glasswork for new residence of N. W. Kittson, of St. Paul, and Mr. Babcock, of Neenah, Wis.

THE Rutan Manufacturing Company have men remodeling the entire warming and ventilating apparatus of the State University building at Madison, Wis., State Normal school at Platteville, Wis., State Normal school building, Mankato, Minn., and public school buildings at Cedar Rapids, Independence and Dubuque, Iowa, and DeKalb and Chicago, Ill.

AMONG the fire-escapes erected in Detroit by E. T. Barnum & Co. may be mentioned those on the Newberry & McMillan building, John J. Bagley & Co's tobacco works, Gray, Toynton & Fox's candy factory, the Ryan knitting works, and others. The owners have many strong testimonials stating the advantages of these fire-escapes, their safety and economy.

THE fireproofing of the Chas. Counsellman office building now under way will be most complete. All the walls are of tile, the floor, arches, roof, columns, girders, etc., being covered with this material, and Keene's superfine cement will be used in the foundations. The Ottawa Tile Company have this contract. The painting, glazing and hardwood finishing of this building is let to Theo. Lattan, Jr.

H. A. STREETER, of the Globe Ironworks, is erecting a factory at Nos. 35 to 41 Indiana street four stories high and 75 by 60 feet, to afford greater facilities for his business. He has a contract for the ironwork and roofing on the new water-works which have just been commenced on the north side, east of Chicago avenue, and are furnishing the iron sills, etc., for Jo Daviess county jail at Galena. Architectural iron work is the specialty of these works.

THE Chicago Anderson Pressed Brick Works, destroyed May 13, are again all under cover of new and more extensive buildings, and have commenced turning out new brick. The large stock of brick they fortunately had on hand at the time of the fire has enabled them to fill contracts for 100,000 bricks for the new C. B. & Q. R'y depot at Galesburg, 80,000 for the Merchants National Bank of Cleveland, and numerous other extensive contracts, both at home and abroad.

ACCORDING to remarks on Mexico made at a meeting of the San Francisco Geographical Society, some of the Mexican railways are in some respects more richly built than even the famous New York roads—though not in a manner to give added comfort to travelers. One road spoken of is laid for a considerable distance on ties of ebony, rosewood and mahogany—the latter costing only six bits each. Most of the roads are built at a very slight cost, compared to figures made familiar here by the costly transcontinental roads.

THE Builders' and Manufacturers' Mutual Benefit Association of America, office 194 Broadway, New York, organized by Mr. H. J. Bicknell, the former architectural publisher and now secretary of this company, is, we understand, constantly increasing its membership among builders and others of New York and elsewhere. It is not restricted to architects, builders and manufacturers alone, but it is intended as a general association for all classes wishing insurance on the purely mutual plan and at a nominal rate.

THAT ingenious device known as the Goforth window, by which windows may be cleaned in safety, has become so generally popular, that the company has received orders for their patent appliances for the new Pullman office building, the new City Hall, Board of Trade, Royal Insurance Co., Mortimer & Tapper buildings, and the residence of W. B. Melless. By this ingenious arrangement of the window frames the window can be removed with little trouble by anyone, and cords can be renewed, panes reset, or any repairs made without the troublesome work of taking out "stops," as in common windows.

THE new catalogue of the hardware firm of Kellogg, Johnson & Bliss, is furnished to parties building in need of something to assist them in the selection of hardware. The firm have just furnished the hardware for many of the finest houses in the city, among which may be mentioned Michael Cudaley's, on Michigan avenue, between Thirty-first and Thirty-

second streets, and Calumet Club, on Michigan avenue, etc. They have also a large country trade, and recently furnished the hardware for the Galveston Seaside Hotel, at Galveston, with over 400 rooms, and also for the finest residence in Waterloo, Iowa, owned by G. A. Whitney.

THE variety of work performed by Messrs. Knisely & Miller, of Chicago, as well as the quality of material being used on prominent buildings, is illustrated by some of the recent contracts of this firm. They have recently taken contracts for the roofing of a residence for W. R. Linn with red slate, including all the copper, galvanized iron and tin work. Burnham & Root are the architects. Also the roofing of the Commercial Safe Deposit Co. building, including copper cornices, etc., and a Hayes skylight, about 70 by 35 feet, of which Jaffrey & Scott are the architects; also new roof of the Chicago Ave. Pumping Works, from designs by city architect Samuel Artingsthal. This roof is to be thoroughly fireproof, consisting of curved corrugated arches, concrete and heavy slate. This firm also furnish for the new Produce Exchange at New Orleans a dome-shaped skylight 22 feet 6 inches in diameter.

ONE of the systems of house-heating coming into favor among leading architects and parties competent to judge of its merits, is Hawley's new system of heating by hot air radiators, combined with his improved system of house construction. An inspection of the method as now being introduced in the magnificent residence being built for J. V. Farwell on the North Shore Drive shows in brief the pipes, radiators, etc., of the old steam-heating systems reversed and hot air used in place of steam. Fresh air is introduced from the outside, passes through the furnace heater, is carried through the house in brass pipes through radiators in each room, and returned to the furnace again. The improved construction consists of providing for the hot air a thorough circulation between floors, and in such a way as to render each room and story thoroughly isolated from the other—a valuable preventive for the spreading of fire, confining it to the room it starts in. Mr. C. B. Farwell, whose residence is next to that his brother has just commenced, has adopted the improved construction; and the Commercial National Safe Deposit Co's building will be constructed upon this plan, as well as others by others who have examined and convinced themselves of its utility.

Rot in Brick Walls.

IN a recent issue of the *Brick Tile and Metal Review*, a contributor furnishes an article on this important subject, being a condensation of an extended contribution to a German periodical devoted to building interests, by the celebrated German chemist, Herr E. Mueller. As it is a subject that has not received much attention among American householders and builders, and is an important matter, we present the substance of the contribution, avoiding the chemical notations and symbols.

Wall-rot always makes its appearance on the outside surface of bricks as a whitish or dirty exudation, or, where the surface is plastered, the plaster is broken and then thrown off. It results from hygroscopic salts, not at all a decomposing substance. It is merely the consequence of continual moisture in the wall through which a dissolving of the bricks and mortar takes place; so that the operation proceeds not from the outside inward, but in the opposite direction. What is seen on the outside is only the excess of the destructive salts. Such water-attracting and water-containing salts are chiefly: Carbonate of soda, muride of lime, nitrate of lime, sulphate of alumina, sulphate of protoxide of iron. The last two bodies result from the presence of bisulphuret of iron pyrites. In the crude materials used in the manufacture of brick the chief constituent is aluminum-silicate, though rendered impure with carbonate of magnesia, carbonate of lime, protoxide of iron, bisulphuret of iron pyrites, and with organic remains. The conclusion is that wall-rot depends upon the quantity of these substances, and whether there are any other substances in combination that may form destructive salts. To keep this in view is one of the chief points in examining bricks, and to take into account the place and position they are to occupy; also the materials, as sand, water, lime, with which the bricks are brought in contact in the masonwork.

To illustrate: Carbonate of soda brought together with hydroxide of lime, which is nothing else than the dissolved lime present in lime mortar, the carbonic acid of the carbonate of soda passes over to the oxide of calcium, and with it forms the carbonate of lime, while hydrate of soda remains over, and hydrate of soda eagerly attracts water from the atmosphere, and walls which are pervaded with it are constantly moist. The process is quite the same, when instead of carbonate of soda carbonate of potassium is present.

In the foregoing example the cause of the origin of wall-rot lay in the lime of the lime water, with the presence of soda or potash in the brick. In the case of muride of lime the cause lies in the water of the lime mortar, with the presence of lime in the brick, and water becomes injurious where it contains common salt. Salt is a compound of soda and chlorine. The latter combines with the lime, and again a salt is formed which eagerly attracts mortar and deliquesces, and therefore operates destructively upon the wall. If there is no lime in the brick, or only a harmless quantity, then the formation of chloride of calcium takes place in the mortar, and the chloride of calcium has a hurtful effect on mortar. Water containing salt is therefore one of the most dangerous factors for the formation of wall-rot. Sand may contain salt and in such case should be rejected. The presence of chloride of calcium may be confidently inferred when the whitish deposit is perceptible in the joinings and on the edges of the bricks.

Calcareous nitre or nitrate of lime: Saltpetre of commerce is nitrate of potassia, while wall-rot is often nitrate of lime, nitrate of soda, or even nitrate of magnesia. The conditions for the formation of saltpetre are: the presence of decaying substances containing nitrogen, the presence of alkaline earths, ready access of air and porosity of the material, moisture and warmth—all of which conditions rarely lie in the bricks themselves—and nitrogen is the first cause of wall-rot; nevertheless as nitrogen can be introduced into bricks in various ways, as when the bricks contain alkaline substances, and that is very often the case, when they are porous and when

humidity and warmth are present, then the formation of wall-rot is always possible under the above circumstances. The nitrogenous combination operating on bricks may be, first, atmospheric air, which is a combination of nitrogen and oxygen; secondly, water; and finally, earth or vegetable mould pervaded with decaying substances.

Bricks which are made from clay containing bisulphuret of iron pyrites in the burning of them sulphurous acid is formed, which, through taking up the oxygen of the atmosphere, is oxidized to sulphuric acid. But the sulphuric acid again combines partially with the clay to form sulphate of alumina and with the iron to form green vitriol—both of them salts which are hygroscopic—and by constantly taking up water keep the bricks moist. Such clay is perfectly useless for making bricks.

This, in brief, is the exposition of the cause of wall-rot, which would suggest a considerable attention should be paid as to the character of the material used in building, and especially in the manufacture and use of bricks.

Inventive Genius in Building.

- 280,342. Door-hanger. Wilbur F. Berry, Chicago, Ill.
 280,354. Shingle machine. John R. M. Crawford, Booneville, Miss.
 280,358. Combined plumb, square and level. William H. Dehney, Rochester, N. Y.
 280,374. Mouthpiece for speaking-tubes. Max Heidelmeier, Chicago, Ill.
 280,376. Automatic fire-extinguisher. Geo. W. Horton, Cincinnati, O.
 280,390. Dividers. William H. Mitchell, Boston, Mass.
 280,398. Carpenter's square. Edwin Prescott, Arlington, Mass.
 280,400. Sash-fastener. William E. Rines, Arlington, Mass.
 280,407. Pile-driver. Jesse P. Seawell, Hope, Ark.
 280,415. Mortar tub. John P. Thomas and Daniel J. Thomas, Turner's Falls, Mass.
 280,417. Water-closet. William H. Umpleby, Trenton, N. J.
 280,419. Safety attachment for elevators. Frederick W. Voerde, Chicago, Ill.
 280,432. Drawing apparatus. William S. Worden, Kearney Junction, Neb.
 280,440. Lumber-drier. William S. Bates, Chicago, Ill.
 280,445. Sash-holder. Russel B. Callahan, Lansing, Mich.
 280,448. Faucet. William Cassin, Brooklyn, N. Y.
 280,453. Wood-turning machine. James D. Craig, Detroit, Mich.
 280,457. Crosscut sawing machine. William A. Doherty and Charles G. Van Sickle, Muskegon, Mich.
 280,462. Lock hinge. Adolph Gärtner, Jersey City, N. J.
 280,488. Combination lock. Henry Lemmon, Guelph, Ontario, Can.
 280,492. Ornamental mantel, ceiling, etc. John McCully, Chicago.
 280,497. Hand-saw. Thomas U. Mekeel, Cold Spring, N. Y.
 280,517. Lock. James Roche, Terryville, Conn.
 280,526. Ventilator. George Smart, St. Louis, Mo.
 280,539. Device for adjusting roses to doors. George Watkins, Detroit, Mich.
 280,545. Grease-trap. Silas Wilcox, Portland, Ore.
 280,581. Door-latch. Samuel L. Coales, Newport-Pagnell, England.
 280,594. Ventilating apparatus. John Fernie, Philadelphia, Pa.
 280,595. Apparatus for ventilating apartments. John Fernie, Philadelphia, Pa.
 280,607. Bit-stock. Frank Grant, Chester, Mass.
 280,609. Sash-cord guide. Winfield S. Greening, Decatur, Ill.
 280,612. Re-enforcing plate for saw-handles. William H. Hankin, Jr., and Cornelius Tinney, Brooklyn, N. Y.
 280,643. Sash-holder. William C. Mathews, Shenandoah, Iowa.
 280,645. Apparatus for hoisting and conveying earth from sewer trenches. Patrick H. McCauley, Des Moines, Iowa.
 280,648. Watercloset valve. Timothy McHugh, Cambridge, Mass.
 280,668. Steam rock-drill. Joseph W. V. Rawlins, Houghton, Mich.
 280,670. Elevator. Frank M. Reynolds and Geo. M. Tewksbury, Newark, N. J.
 280,673. Wrench. Carl Schinke, St. Louis, Mo.
 280,679. Mortar and building composition. Joseph A. Shinn, Pittsburgh, Pa.
 280,681. Roofing. William C. Smalstig and William Massey, Springfield, Mo.
 280,706. Spirit-level. Thomas W. Wood, Asbury Park, N. J.
 280,728. Door-knob. Charles Elvechna, Detroit, Mich.
 280,737. Eaves-trough. Joshua P. Gould, Bangor, Me.
 280,756. Window-bead fastener. Charles H. Myers, Phelps, N. Y.
 280,785. Door. James D. Benson and R. Bruce Fogle, Cranberry, W. Va.
 280,793. Pipe-wrench. A. Wells Case, South Manchester, Conn.
 280,801. Nail. Henry S. Cushman, Milford, Mass.
 280,808. Window-shade roller. Benjamin F. Fox, Philadelphia, Pa.
 280,831. Dividers. Carl Johnsen, Christiania, Norway.
 280,841. Angle-iron. William Lorey, Philadelphia, Pa.
 280,845. Screw-driver. Angus McLellan, Portland, Ore.
 280,877. Door-knob attachment. Oscar Stoddard, Cincinnati, O.
 280,892. Sash-fastener. William F. Bailey, St. Paul, Minn.
 280,906. Electric fire extinguisher and fire-alarm apparatus. Charles E. Buell, New Haven, Conn.
 280,908. Hot-water heating-apparatus. William Burlingame, Exeter, N. H.
 280,924. Gong-bell. William S. Foster, Richford, Vt.
 280,928. Hand-saw. Herman F. Hoffmann, Torrington, Conn.
 280,930. Oral annunciator. Joseph Ireland, Cleveland, O.
 280,935. Fastener for meeting-rails of sashes. Hiram T. King, Rochester, New York.
 280,957. Fire-escape. Geo. W. Looney, Sr., Rushville, Ind.
 289,946. Removable bay-window. Charles A. Nordyke, Cincinnati, O.
 280,950. Fastener for meeting-rails of sashes. Geo. E. Parmelee, Circleville, N. Y.
 280,957. Fire-escape. Joseph Ripczinski and Charles Tisch, Jr., Wausau, Wis.
 280,987. Sash-fastener. William H. Wolfrath, New York, N. Y.
 281,016. Safety-stop for elevators. Felix P. Canfield, Boston, Mass.
 281,027. Ventilation. William T. Cottier, Napa, Cal.
 281,029. Kiln and furnace for burning brick, tile, etc. James C. Culbertson and William A. Eudaly, Cincinnati, O.
 281,036. Latch. Henry C. Doughty, Gray, and Daniel Hall, Auburn, Me.
 281,054. Door-hanger. William Grace, Chicago, Ill.
 281,082. Apparatus for ventilating buildings and chimney-stacks. Arnold W. Kershaw, Lancaster, County of Lancaster, England.
 281,086. Spirit-level. Samuel H. Lemon, New York, N. Y.
 281,092. Bush-hammer. Henry D. Martin, Ypsilanti, Mich.
 281,105. Reaming-saw. Geo. Meyer, New York, N. Y.
 281,109. Knob-latch. John Milton, Hamilton, Va.
 281,131. Paint-compound. Arthur G. Peuchen, Toronto, Ontario.
 281,133. Drain-tile ditch-level. Lyman F. Pontious, Adair, Ill.
 281,135. Stone channeling machine. Almiere H. Rapp, Paris, France.
 281,136. Fire-escape. Henry Rensch, Quincy, Ill.
 281,142. Door-lock. Joseph Savoie, St. Marcel, Quebec.
 281,148. Pneumatic door-opener. Adolph T. Smith, New York.
 281,169. Fire-extinguisher. Caleb C. Walworth, Boston, Mass.
 281,181. Automatic fire extinguisher. Christopher L. Delmage, Woonsocket, R. I.
 281,198. Fire-proof shutter. Robert P. Manly, Philadelphia, Pa.
 281,211. Stone-dressing machine. John T. Turner, Sing Sing, N. Y.
 281,247. Key-fastener. Washington Dewey, Chicago, Ill.
 281,252. Saw. James E. Emerson, Beaver Falls, Pa.
 281,255. Folding or cabinet bath-tub. Franklin H. Fickett and John W. Reid, Chicago, Ill.
 281,267. Artificer's leveling instrument. John W. Harmon, Boston.
 281,291. Sash-fastener. Henry S. Ohl, Jr., Philadelphia, Pa.
 281,308. Parlor door hanger. Samuel Schreffler, Jr., Joliet, Ill.
 281,318. Wrench. Benjamin F. Stockford, Sturgis, Mich.
 281,326. Malt-kiln floor. Paul Weinig, Hanau, Prussia, Germany.
 281,379. Window-sash. Theodore F. Lang, Baltimore, Md.
 281,395. Plaster compound for the manufacture of stone, tile, etc. Emile Pick, Paris, France.
 281,433. Sliding door. Alvah P. Beard, Horseheads, N. Y.
 281,447. Saw-handle. Frank A. Buell, Brooklyn, N. Y.
 281,456. Sliding-jaw wrench. George J. Cline, Goshen, Ind.
 281,458. Sash-holder. William Conner, Missouri Valley, Iowa.
 281,467. Fireproof ceiling. P. J. Leonard de Rache, New York, N. Y.
 281,504. Door-check. Silas B. Hazen and Geo. L. Van Gorder, Winamac, Ind.
 281,537. Door-hanger. Eugene Mack, Addison, Oakland county, Mich.
 281,542. Door-check. George G. Matthews and Rudolph Matthews, Wichita, Kas.
 281,546. Door-hanger. Henry T. Moody, Newburyport, Mass.
 281,549. Fire-escape. William Nack, Sheboygan, Wis.
 281,550. Safety device for elevators. Cassius C. Palmer, Oakland, Cal.
 281,551. Hot-air furnace. Henry J. Pelstring, Philadelphia, Pa.
 281,568. Extension shank for bits. C. Schoch, Truckee, Cal.
 281,594. Spring hinge. William H. Williams, Brooklyn, N. Y.
 281,615. Lock. Frank S. Clarkson, Baltimore, Md.
 281,630. Shutter-worker. Henry J. Hunsicker, Laurelton, Pa.
 281,632. Automatic door for elevator hatchways. Michael F. Kidd, Baltimore, Md.

PUBLISHERS' DEPARTMENT.

Chicago Pressed Brick.

In keeping with the enterprise usual to Chicago is the reconstruction of the works of Chicago Anderson Pressed Brick Company. The works of this company were completely destroyed by fire May 13, the walls were leveled, their machinery destroyed, kilns demolished, and the general condition of the plant worse than if it had never been built. The original plant required the best part of a year to place in running order, but, with the aid of exceptionally fine weather, and a determination on the part of both owners and builders to make quick time, the same work has been done in two months and a half, and resumed active operation on the 6th instant. This accomplishment is owing to the energy of the management, as neither money nor labor has been spared to put the works in running order at the earliest possible moment. The growing demand warranting every effort being made for a full preparation for the requirements of this season's unfinished building operations, the company have taken advantage of the experience of the past, and so improved their facilities as to assure greater success in their production. The size of the company's building has been nearly doubled in its area, and has been doubled in capacity. In every department improvements of a greater or lesser extent have been introduced, the speed of machinery increased, and labor-saving machinery supplied. The kiln capacity has been doubled and improved, electric lighting apparatus will furnish light, so that the works may be operated day and night. All these improvements, with a view to that permanency and substantiality which is demanded by an enterprise that has fully demonstrated the successful prosperity that comes to every institution that produces a product that finds a ready market and gives an invariable satisfaction in the result.

New Publications.

CONVERSION OF TABLES OF METRIC AND BRITISH OR UNITED STATES WEIGHTS AND MEASURES; WITH INTRODUCTION. By ROBERT THURSTON, A.M., C.E., etc. New York: John Wiley & Sons, 1883.

Mr. Thurston has rendered a service to engineers and those of other scientific pursuits, by this book, presenting as it does in a compact and convenient form the tables prepared by Capt. Noble, of the English army, and Lieut. Birnie, of the Ordnance Corps, U. S. A., which were prepared with great care by these respective authors for the use of the officers of the armies of the two governments. They form the appendix to Part I of the authors' "Materials of Engineering," and for convenience sake have been reprinted separately.

PHOTOGRAPHS OF CHICAGO RESIDENCES. A collection of twenty-four views of prominent Chicago residences published by J. W. Taylor, architectural photograph publisher, 145 La Salle street, Chicago. Price \$12.

To the student of modern architecture, and the general practitioner as well, these views are exceedingly interesting and valuable. Some of the views represent the growing taste for unique and attractive forms in residence construction, and as such are deserving of imitation. While photography cannot give to the architect the reproduction of building interiors, these excellent productions show the value of the art as an accurate reproducing agent for the spreading of correct architectural ideas regarding ex-

terior forms. The collection is one of several series published by Mr. Taylor, and he is deserving of the countenance and support of the architectural fraternity for his enterprise in collecting and publishing the new and valuable in architectural design.

LIFE OF SIR WILLIAM E. LOGAN, K.T., L.H.D., F.R.S., First Director of the Geological Survey of Canada. By BERNARD HARRISON, B.A., PH.D. New York: John Wiley & Sons.

The principal work of Sir William Logan was the Geological Survey of Canada. His ability, energy and genial qualities gained him the esteem of the best and most eminent men of science. The style of the book is excellent. Most of the illustrations that are scattered through the book are copies of pen-and-ink sketches from the notebooks of Sir William.

SPECIAL NOTICE.

We would say to parties sending money to this office, that on and after the first day of September, we will not feel obliged to accept three-cent postage stamps in payment for subscriptions, etc., as under the new postal law we cannot use the three cent stamps. One and two cent stamps will be received.

PRICES OF LABOR.

	Bloomington, Ind.	Chicago, Ill.	Cincinnati, O.	Dubuque, Ia.	Des Moines, Ia.	Evansville, Ind.	Fargo, D. T.	Kansas City, Mo.	Minneapolis, Minn.	St. Louis, Mo.	Toledo, O.
Bricklayer	\$3 50@4 00	\$4 00	\$4 00	\$4 00	\$4 00	\$3 25@3 75	\$3 50	\$3 00	\$4 00	\$4 00	\$4 00
Brickmason (Front) ..	5 00	5 00	4 50	5 00	5 00	4 00@4 50	4 00	4 00	5 00	5 00	5 00
Carpenter	2 00@2 50	2 75	2 75@3 00	2 75	2 75@3 00	1 75@2 00	3 00	2 75	2 50	3 00	2 50
Cabinetmaker					2 75				3 50	3 50	3 00
Finisher		3 00	3 00		3 00				3 00	3 50	3 00
Gasfitter		3 50	2 50	2 50	3 50	3 00@3 50	3 00	3 00	3 50	3 00	2 50
Laborer	1 50	1 50@2 00	1 50	1 50	1 75	1 75@2 00	1 75	2 00	2 50	2 00	1 75
Painter	2 50@2 75	2 75	2 75	2 50	2 50	2 00@2 50	2 50	2 50	2 50	2 50	2 50
Glazier					2 00@2 50	2 50	3 00	3 00	2 50	2 50	2 50
Plasterer	3 00@3 50	3 00	3 00	3 00	4 00	2 50@3 00	3 00	3 00	4 00	4 50	3 50
Plumber	3 00	2 75	3 00	3 50	3 50@4 00	4 00@5 00	3 00	3 50	3 75	3 50	5 00
Stonemason	2 50	3 50@4 50	3 50	3 50	3 50	2 00@2 50	3 00	3 00	4 00	4 00	4 00
Carver	4 00	4 50@5 00	5 00@5 50			4 00@5 00			4 00	6 00	6 00
Stonemason	3 50@4 00	3 50	3 50	3 50	4 00	2 00@3 00	3 00	3 00	4 00	4 00	4 00
Stonesetter	3 50	3 50	3 50	3 50		3 00@3 50	3 00	3 00	4 00	4 00	4 50
Roofer (Tin)	2 25	2 50	2 50	2 50		2 00@3 00	3 00	3 00	4 00	3 00	2 50
Slaters	2 75	3 50	3 50	3 50		2 50@3 00	3 00	3 00	3 00	4 00	2 50
Stairbuilder	3 00	3 25@3 75	2 75			3 00	5 00	3 50	3 00	3 50	5 00
Steamfitter		3 50	3 00@3 50	3 50			3 00	3 00	3 50	3 00	3 50

BUILDING PROPOSALS.

POST-OFFICE.

[At Winnipeg, Manitoba.]

DEPARTMENT OF PUBLIC WORKS, }
OTTAWA, July 4, 1883. }

Sealed tenders, addressed to the undersigned, and endorsed, "Tenders for Post-office, Winnipeg, Man.," will be received at this office until Wednesday, the 15th day of August next, inclusively, for the erection of Post-office at Winnipeg, Man.

Plans and Specifications can be seen at the Department of Public Works, Ottawa, and at the Public Works Office, Winnipeg, on and after Saturday, the 14th July next.

Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted bank check, made payable to the order of the Honorable the Minister of Public Works, equal to five per cent of the amount of the tender, which will be forfeited if the party decline to enter into contract when called on to do so, or if he fail to complete the work contracted for. If the tender be not accepted, the check will be returned.

The Department will not be bound to accept the lowest or any tender. By order

F. H. ENNIS,
Secretary.

STEAM-HEATING and VENTILATING.

[At Lafayette, Ind.]

Sealed proposals will be received at the Auditor's office of Tippecanoe County, Indiana, at the City of Lafayette, until 2 o'clock, P.M., of Friday, August 17, 1883, for low-pressure steam-heating and ventilating apparatus, including boilers, pumps, tanks, etc., for the heating and ventilating of the new court-house at Lafayette, Ind., now being built, and for the heating of the jail of said county, according to the plans and specifications, which are now on file in the Auditor's office of said county.

All persons bidding will be required to submit full and complete descriptions of their apparatus with their bids, and samples of their work, so far as the same is practicable.

All bids to be filled out according to blanks to be had of said Auditor, for the use of bidders, and by inserting amounts for work bid for, and without additional conditions and qualifications.

Each bid must be accompanied with a good and sufficient bond in a penalty of fifteen thousand dollars, signed by at least two responsible resident free-hold sureties, according to Sections 4245 and 4246 (Indiana Rev. Statutes, 1881) conditioned that if awarded the work, the person or persons making the said proposal will enter into a contract with the Board of Commissioners of the County of Tippecanoe, and that he or they will faithfully perform and execute the work so bid for, and to the satisfaction of said Board of Commissioners and the Superintendent in charge of said work, and in accordance with and agreeably to the plans, drawings and specifications now on file in the office of the Auditor of

the said County, and in accordance with the terms of said contract, to be made as aforesaid, and promptly pay all debts incurred in the prosecution of said work, including labor, materials furnished, and for boarding laborers thereon, and that he or they will indemnify and save harmless the said county of Tippecanoe, from any and all liability to any person or persons, or corporation, and on account of any damage to the property of any person, persons or corporation, arising from any cause whatever, in any way connected with the erection of work so bid for.

Blank bonds may be obtained at the office of the Auditor of said County, and if sureties do not reside in Tippecanoe County, their goodness and sufficiency, beyond any doubt, should be certified to by the Clerk or Auditor of the County in Indiana where sureties do reside. Said sureties are required to reside in the State of Indiana.

Copies of Specifications and any additional information in regard to the proposed work may be obtained of James F. Alexander, Superintendent, Lafayette, Ind.

The Board of Commissioners reserves the right to reject any and all bids, if in its judgment the interests of the County should require.

By order of the Board of Commissioners of the County of Tippecanoe.

THOMAS J. BARNES,
Auditor.

FIRE-ESCAPES.

[At Columbus, Ohio.]

Sealed proposals will be received by the trustees of the Ohio Institution for Feeble-minded Youth, at the office of the Superintendent, until Thursday, August 16, at 12 o'clock noon, for work and materials required for the construction of fire-escapes.

Plans, specifications, and detail drawings can be seen at the office of the Superintendent at the Institution.

All proposals will be directed to M. A. Daugherty, President of the Board of Trustees, and endorsed "Proposals for Fire-Escapes."

The Board reserves the right to reject any or all proposals.

M. A. DAUGHERTY,
President Board of Trustees.

HOSPITAL FOR THE INSANE.

[Kankakee, Ill.]

Sealed proposals for the erection of buildings, etc., for the Eastern Hospital for the Insane will be received by H. C. Clarke, Secretary, Kankakee, Ill., until 2 P.M. August 30, 1883.

Drawings and specifications can be seen on and after August 6 at office of James R. Willett, 94 La Salle st., Chicago. The right to reject any and all bids is reserved.

JOHN L. DONOVAN,
President Pro. Tem. Board of Trustees.

SCHOOL-HOUSE.

[At Auburndale, Mass.]

CITY-HALL, WEST NEWTON, MASS., July 24, 1883.

Sealed proposals will be received at the City-Hall, West

Newton, by the joint standing committee on public property on or before 12 o'clock noon, Saturday, August 11, 1883, for the erection of an 8-room school-house at Auburndale. Plans and specifications can be seen at the office of J. Foster Ober, architect, 15 Pemberton square, Boston, Mass., after July 28, 1883. Proposals are to be addressed to "James R. Deane, Chairman of the Joint Standing Committee on Public Property," and endorsed "Proposals for the erection of a new school-house at Auburndale." The committee reserves the right to reject any or all bids.

JAMES R. DEANE, Chairman.

CITY HALL.

[At Richmond, Va.]

CITY ENGINEER'S OFFICE, }

RICHMOND, VA., July 19, 1883. }

Proposals are invited, until October 1, 1883, for furnishing designs for a City-Hall, upon which premiums will be paid as follows: For first-best design, \$700; for second-best design, \$300.

The city council reserves the right to reject any and all designs.

For information address the undersigned,
W. E. CUTSHAW,
City Engineer.

JOINERS' WORK AND WOOD FLOORING.

[At Boston, Mass.]

OFFICE OF SUPERVISING ARCHITECT, }

TREASURY DEPARTMENT, }

WASHINGTON, D. C., July 21, 1883. }

Sealed proposals will be received at this office until 12 M. on the 17th day of August, 1883, for furnishing and fixing in place complete all the joiners' work and wood flooring required for the post-office and sub-treasury extension building at Boston, Mass., in accordance with drawings and specification, copies of which, and any additional information may be had on application at this office or the office of the Superintendent.

JAS. G. HILL,
Superintending Architect.

LIGHT-HOUSE IRON-WORK.

[At Cape San Blas, Fla.]

OFFICE OF THE LIGHT-HOUSE BOARD, }

WASHINGTON, D. C., July 26, 1883. }

Sealed proposals will be received at this office until 2 o'clock P.M. of Wednesday, the 15th day of August, 1883, for furnishing the materials and labor of all kinds necessary for the completion of the metal work of the Cape San Blas and Sanibel Island Light-Houses for the coast of Florida.

Plans, specifications, forms of proposal and other information may be obtained on application to this office.

The right is reserved to reject any or all bids, and to waive any defects.
STEPHEN C. ROWAN,
Vice-Admiral, U. S. Navy, Chairman.

R. PHILIP GORMULLY,

MANUFACTURER OF

GALVANIZED IRON CORNICES,

WINDOW CAPS,

VENTILATORS,

FINIALS, ETC.

TIN, SLATE, AND CORRUGATED-IRON

ROOFING,

PATENT FIRE AND WATER PROOF

METALLIC SKYLIGHTS.

228 & 230 MICHIGAN STREET,

CHICAGO.