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AN ADDRESS BY RALPH ADAMS CRAM, F. A. I. A.,
AND ILLUSTRATIONS OF ECCLESIASTICAL IN-
TERIORS, FURNITURE AND OTHER ACCESSORIES,
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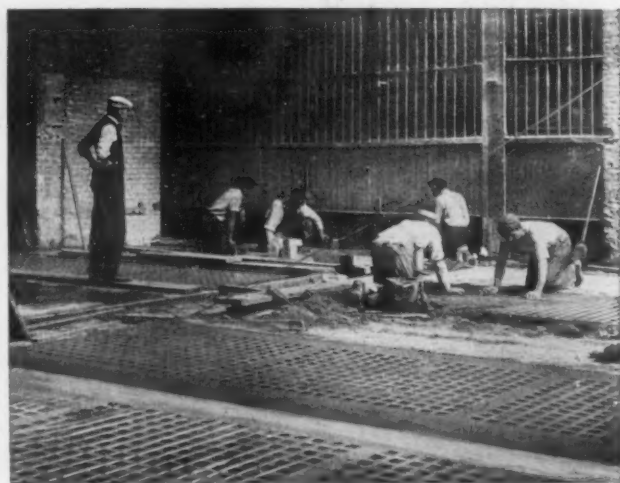
VOLUME XCVIII

DECEMBER 28, 1910

NUMBER 1827



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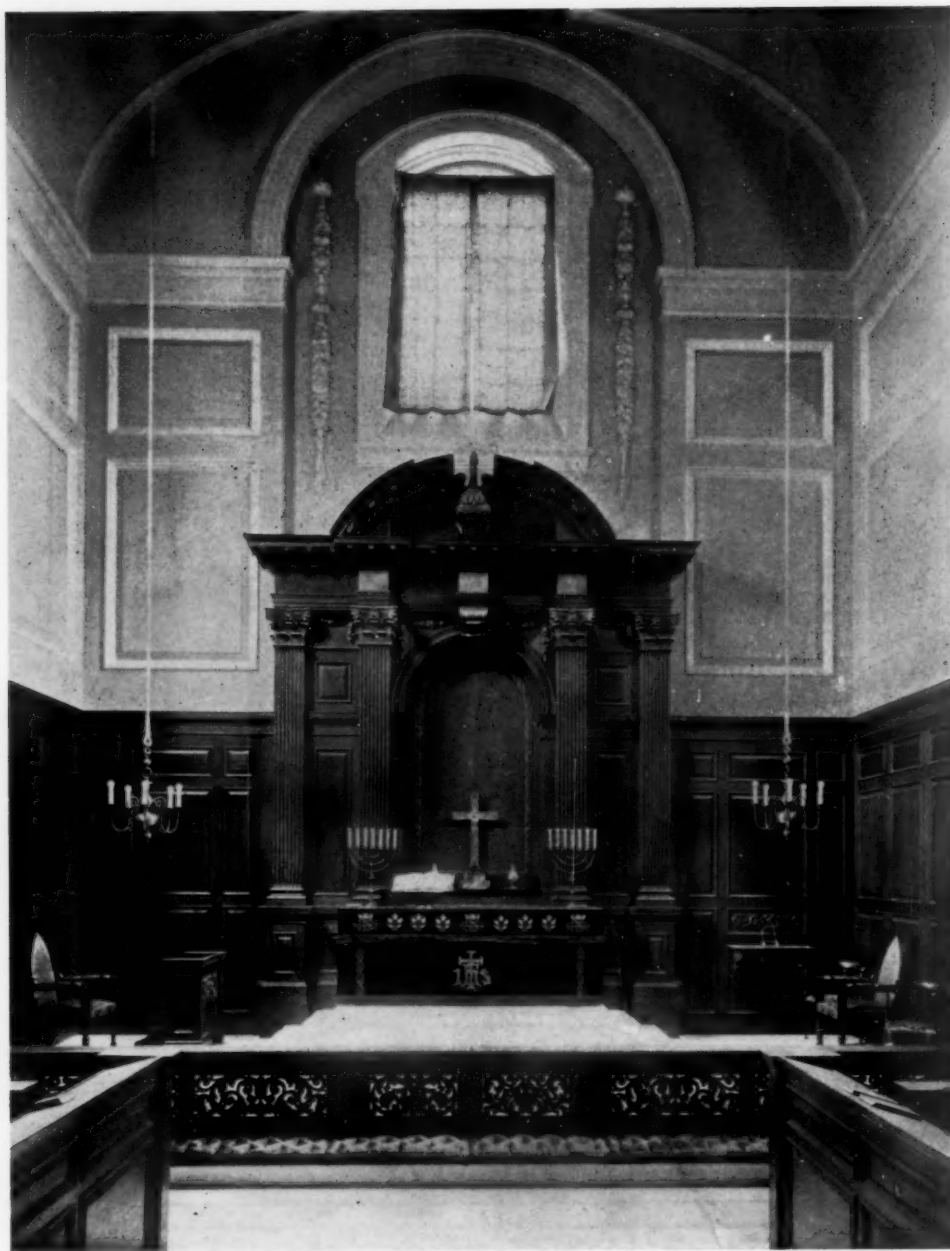
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The carved panels are from Christ Church Hospital, London.

THE AMERICAN ARCHITECT

Vol. XCVIII

WEDNESDAY, DECEMBER 28, 1910

No. 1827



DETAIL OF WALL PANELING, ST. PAUL'S CHURCH, CHICAGO

ARCHITECTURE AS AN EXPRESSION OF RELIGION

An address delivered before the Twenty-eighth Church Congress of the Protestant Episcopal Church in the United States.

BY RALPH ADAMS CRAM, F.A.I.A.

The Illustrations of Church Furniture and Accessories Accompanying this Article are the Work of the Boston Office of Messrs. Cram, Goodhue and Ferguson, Architects, Boston and New York.*

ARCHITECTURE, even in a title, can hardly be disassociated from the other component parts of that wonderful gift of God that, in our indifferent use of words, we denominate "Art." In each one of them, whether it be sculpture, painting, or architecture, poetry, music, the drama or ceremonial, there is, of course, one peculiar mode whereby it manifests itself; the instrument of its operation; but each of these is but a dialect of a normal language; together they are the Pentecostal tongues through which the Holy Spirit manifests Himself in a peculiar way to all nations and

kindreds and peoples. Art is not only a function of the soul, an inalienable heritage of man, an attribute of all godly and righteous society, it is also the language of all spiritual ventures and experiences, while more potently than any other of the works of man it proclaims the glory of God, revealing in symbolical form some measure of that Absolute Truth and that Absolute Beauty that are His Being.

Through all the varied qualities of this seven-fold mystery of art runs one unchanging and unchangeable principle, and the nature of this principle we must define before we consider the particularities of one art alone and the scope and potency of its service.

In this necessity there is, let us admit, something un-

*The work of the Boston office of Messrs. Cram, Goodhue & Ferguson will be further illustrated in our issue of January 11, 1911, to be followed in the early Spring by a presentation of this firm's work as executed by their New York office.

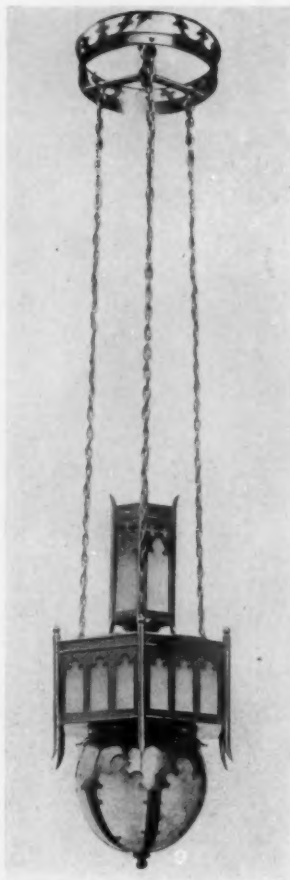
natural. Never in the past has there been a great art that was clearly conscious of its nature: none that by taking thought has added one cubit to its stature. Art that is self-conscious halts on the perilous rim of artifice. The intensive activities of art-analysis and art-education have brought into being never an art and never an artist of the measure of the artist and the art of a past so absorbed in spiritual adventures and material accomplishments that it lacked the time for self-analysis. And yet, so novel is the basis of our contemporary life, so severed from the spiritual succession of history, so bound by the chains of analysis to the rock of definition, we are compelled by circumstance to analyze and define, as never before, nor can we keep our curious hands from the Pandora's box of very mystery itself, forgetting that the lifted lid means, not the clear revealing of strange and hidden wonders, but their instant and implacable flight.

The curious inquiries of Calvin wrought hopeless havoc with the heavenly vision of St. Augustine: the insolent brutalities of eugenics are the Nemesis of wholesome humanity: the picking and stealing fingers of the Renaissance broke the Psyche-wings of art, and yet, in defiance of precedent we essay again the excuseless and the impossible. What do we mean by "art," the thing once so instinctive that it needed no more definition than did "thought" or "action" or

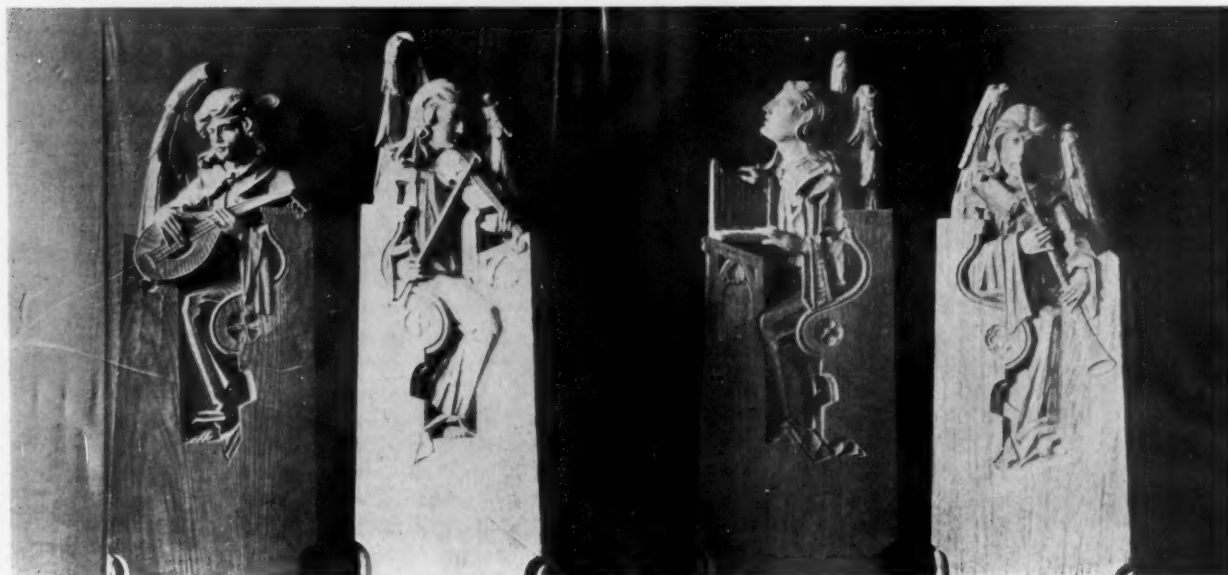
"prayer"? Well, we have made of an instinct an accessory, and since such it has become, and since it has almost been lost in the process, we may, in defiance of fate, define again.

Now none of us here and now means what the word has been held to imply since the dawn of the debatable epoch above named. We know it is neither a commodity, a form of amusement, an amenity of life, or even the guinea stamp of civilization. Of course, it is, in a measure, the last, to the extent that it is not a product, but a result of that quality of life that is the manifestation, in time and space, of righteous impulses and modes of human activity. In its high estate it is never a by-product of barbarism: though it sometimes seems so, as in the case of the Renaissance, where we find most noble art synchronizing with an almost complete collapse of Christian civilization. The same thing has happened before, and will again, for while all sound and wholesome and well-balanced life of necessity expresses itself in that instinctive art which is the art of the people, this great art-product seldom achieves its perfect fruition until after the great impulse that created it has broken down and yielded to inevitable degeneration. Thus we find the most

splendid, if not the most noble, Gothic architecture blossoming in the fourteenth century after the high tide of mediævalism had begun to ebb; while painting reached



LIGHTING FIXTURE
CHRIST'S CHURCH, HARTFORD,
CONN.



DETAIL OF CHOIR STALLS, CALVARY CHURCH, PITTSBURGH, PA.



FIGURES ON PULPIT, ST. PAUL'S CHURCH, CHICAGO

its climax during the unspeakable barbarism of the epoch of the Medici and the Borgias: Shakespeare and his circle—soul-children of the Catholic Middle Ages—weaving the glamour of their divine genius over the decadent era of Elizabeth; and music, most subtle of all the arts, giving to Protestant Germany a glory that by her intrinsic nature she could scarcely claim.

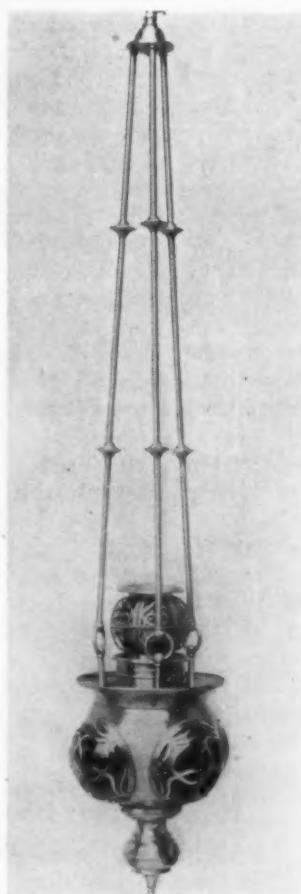
In these and the similar cases in earlier history there is no discrepancy, no ground for arguing that art is a natural product either of heresy, immorality or disorder: born of righteousness of impulse and sanity of life it is the longest to endure, lingering like the afterglow long past the actual setting of the sun: a memory and at the same time a hope.

In a time that is curiously prone to false estimates of comparative values, that is positively triumphant in its capacity for misjudging the quality of essentials, we measure nearly all the arts by the dazzling products of the last great geniuses that linger beyond their time, quite forgetting the centuries of less splendid activity that, manifesting, as they did, the art-instinct of a people, were intrinsically nobler, and in themselves were the energy behind the coruscating stars of a rocket that had already burst. In judging art, in determining its function, in estimating its potency, it is necessary, therefore, to go behind the evidences of Rouen and the chapel of Henry VII; of Botticelli and Tin-

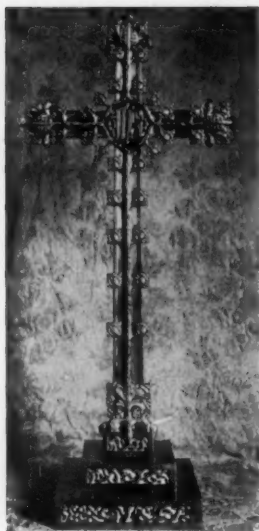
toretto; of Shakespeare and Marlowe; of Bach and Beethoven—to name only the latest of the great periods of history—and to regard the wonder-work of the great centuries from Gregory VII to the exile at Avignon, which is the true product of a triumphant Christian civilization.

And so regarded, we find that art, as I have already said, is neither a commodity, a form of amusement, an amenity of life, but a wonderful attribute of man who is made in God's image; a subtle language and a mystery that in its nature we may with reverence call sacramental.

This, I believe, is the secret and the function of art. It is a language of Divine Revelation, the great sequence of mystical symbols that alone is adequate and efficient when the soul of man enters into the infinite realm of eternal truth. To each its proper tongue, to reason, dealing with phenomena and their knowable relations, the language of natural science and of natural philosophy: to the soul, by the grace of God penetrating beyond the veil that limits our mortal sense, achieving the quest of the Holy Grail of ultimate Truth, the language of art, which is beauty, sacramentally comprehended, sacramentally employed. Other language there is none: before the Beatific Vision, even though now we see it as in a glass, darkly, even though the symbol alone is all our undeveloped spirituality can apprehend, the language that is so ade-



CHANCEL LAMP, ST. ANDREW'S CHURCH, DETROIT, MICH.



ALTAR CROSS

subliminal reason, she turns to the tongue God gave her to this end, to painting, sculpture and architecture, to poetry, music, the drama and ceremonial, to art, the great symbol, to art, the language of the soul.

Postulating this of art in its intrinsic nature, let me say at once that I do not confine the thing itself simply to the great arts already named; as there are seven sacraments defined by the Church, while nevertheless the sacramental quality extends, in varying degrees, into infinite ramifications throughout creation, so art itself, which is made up of seven major modes, reaches out into innumerable fields of potent activity. Beauty is the instrument of art; without it art does not exist, and wherever beauty is used either for self-revelation or for the communicating of spiritual energy, there is art, whether it be in the majestic modes of music and architecture, or in the modest ministry of wood carving or embroidery. The existence and manifestation of beauty is the one test, the philosopher's

stone that transmutes the base metal of reason into the fine gold of spiritual revelation.

"Now I do not mean to involve myself in the perilous definition of this mystical and incomprehensible thing, beauty," says St. Thomas à Kempis, in writing of the sublime Mystery of the Catholic Faith, "Twere well not to inquire too curiously into the nature of this holy sacrament," and the same warning may well be held in mind when we approach the mystery of beauty. It is, and its operations are acknowledged, this

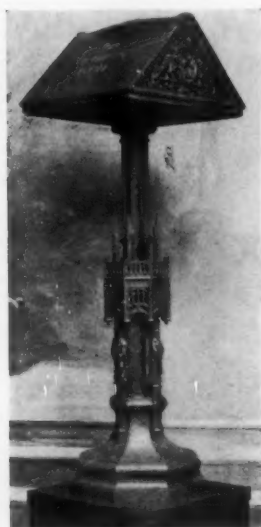
is really all we need to know. In this paper I am supposed to deal only with this operation, and in the one category of architecture, so all that is needed is the confession we all can make that beauty exists and that it is the great, symbolic language of the soul, whether it manifests itself through color or form or light and shade, through tone, melody, harmony or rhythm, or through any combination of these, or any other of the numberless modes of its expression. It may be said that not the half of art is thus specifically spiritual in its activity; that in whole schools and for long periods of time art of noble quality is followed and determined solely for the sheer joy of pleasurable sensations. This we may admit, for *conscious* revelation of higher things is no essential part of art; my only contention is that it alone has been so used, and may be again, even though for generations we may, in our hardness of heart, deny the very existence of any realm of truth beyond that accidental domain of the material and the conditioned, which from time to time obsesses men with the delusion of its own finality. And even here I think the thesis might be defended that this very sensuous satisfaction, as we call it, is not sensuous at all, but the blind answering of an atrophied soul to a spiritual stimulus, the noble nature of which is disregarded or denied. The obvious melodies of popular music, the rudimentary color-harmonies of popular painting, the superficial jingles of popular verse, are pleasurable to those who like them, not because of some satisfying titillation of the sensory nerves, but because they, even they, are informed with some faint and far-blown scent of mystical fields, and strange gardens seen in forgotten dreams: because each one, however narrow the vista it reveals, is in some sense one of those

"Magic casements opening on the foam
Of perilous seas, by
faery lands forlorn"

that are the avenues of spiritual revelation through the mystical agency of art.



ALTAR CROSS



LECTERN



LECTERN

On this very matter writes that beautiful soul, Sir Thomas Browne. "For even that vulgar and Tavern-Musick, which makes one man merry, another mad, strikes in me a deep fit of devotion, and a profound contemplation of the First Composer. There is something in it of Divinity more than the ear discovers: it is an Hieroglyphical and shadowed lesson of the whole World, and creatures of God; such a melody to the ear, as the whole World, well understood, would afford the understanding. In brief, it is a sensible fit of that harmony which intellectually sounds in the ears of God."

This by the way, for our inquiry is not here, and I try to return to the path that may, in the end, lead at the very last to our subject.

I have said enough to indicate what I mean when I speak of all art as the natural, and, indeed, the only adequate expression in time and space of spiritual things. If it is this then it follows of necessity that it is the ordained language of religion, for religion, through theology, is the Divine science which is higher than all natural sciences, in that it deals with Absolute Truth through perfectly adequate agencies, while the natural sciences deal only with finite phenomena through agencies adequate to this end and to this alone. It follows then that pre-eminently and in a very special fashion art is, or should be, a matter of absolutely vital import to religion, since it is ordered by God Himself as its mode of visible manifestation. As a matter of fact this always has been so from the very beginnings of recorded history. "God has never left Himself without a witness," says St. Thomas, and even in the ethnic religions of antiquity, or the paganism that preceded the Incarnation, or in the pseudo-religious philosophies of the East, the dim

witnesses of God have made for themselves out of art in all its forms witnesses before men of whatever shadowy glimmerings of truth were given to them. Babylon, Assyria, Egypt, all wrought for themselves great art, but always the beginnings were at the hands of priests and prophets, and however great the secular art that ensued always its greatest glories were achieved in religious service. And so through history, century after century, through the fastidious and exquisite temples of Greece and the half barbarian "grandeur that was Rome," to the solemn basilicas of Constantine, the

golden and glimmering shrines of Justinian, the grave majesty of the churches of Charlemagne, the towering abbeys of Frank and Norman Benedictines, the first fine Gothic of the Cistercian monasteries, to the crowning glory of the mediæval Cathedrals of France and the Abbeys of England. Even when civilization was breaking down under the assaults of the new paganism after the exile at Avignon and the fall of Constantinople, it was religion, whatever we may think of its momentary condition, that was still, through the visible Church, leading the van in the building up of a new though

fictitious form of art, and it was not until the Reformation that, for the first time in the history of the world, organized religion turned against art, and, denying its virtue or its efficacy, devoted itself to the destruction of what it had created and what had been, in solemn fact, one of its most potent agencies of operation. And then followed, also for the first time in history, that ominous thing, the extinction of all art, of every kind whatever, as an attribute of human life, as a heritage of civilization. Indeed, what actually ensued was worse even than extinction: it was the substitution, first, of something with little beauty and with no art at all in place of the perfect beauty man already had perfectly made manifest: then in the wild yet deliberate beating down and utter destruction of these dumb memorials of a great material and spiritual past, and finally in the setting up for the worship of degenerate society of the brazen images of ugliness. A stranger and more ominous thing than this history has hardly recorded. We have seen, and many times, the perishing of great civilizations: the flowering of art during some epoch of splendid



GOLD AND JEWELLED PYX,
CHURCH OF THE ADVENT, BOSTON

development, and its slow dissolution after that epoch had yielded to the law of the world, which is the law of degeneration, in opposition to the law of the spirit, which is the law of regeneration and development. We have seen the exquisite art of Greece go down in the wake of Greek civilization, while the art of Rome that followed on was immeasurably less noble and complete. In its turn we have beheld the fall of Rome and the coming of the Dark Ages, with even here, at the height of such culture as came during a barbarian cycle, art that was art still, though less admirable even than that



MARBLE BAPTISMAL FONT WITH BRONZE COVER,
ST. JAMES CHURCH, ROXBURY, MASS.

which developed under "the drums and trappings of three conquests." Then at last this also was gone with the dying of the "false dawn" of Carolingian civilization, and night fell again, deeper than ever before; night that was to be dispelled for centuries, a little later, when the mingling of northern blood with the great life-current of a regenerated monasticism was to make possible the first great triumph of Christian civilization.

Time upon time it has seemed that art has been lost, but even in the deepest depths it has struggled for light, and never once has it been false to its own nature. There might be little, and that little poor, but its impulse was always right, until that great world-drama (the three acts of which we call the Renaissance, the Reformation and the Revolution) took possession of the stage, and since then the tale has been different. The Renaissance, by its false doctrine of the sufficiency of the intellect, set up a scholastic and artificial theory of the nature of beauty and the function of art: the Reformation, by its substitution of a manufactured religion for that of God's Revelation, dried up the springs of spiritual energy which are the source of the art-impulse; the Revolution shook the very foundations of religious society and established economic conditions in which art could no longer endure: while all these cataclysms, as a by-product of their activity, annihilated a good half of the monuments of past generations, and denied the virtue of the poor remainder they did not destroy.

It was the greatest break-down in history and the re-

sults were commensurate with the cause. Art was gone, for the first time in history, and with the opening of the nineteenth century not only was the world more empty than ever before, but there were false gods in every shrine, hideous idols of the worship of ugliness and lies. Here and there was a voice crying in the wilderness, but when it became audible over the din of an uncouth Saturnalia, it was the voice of a painter, a poet, or a musician; sculpture and architect had "none too mean to do them reverence."

And now the wheel has come full turn, and everywhere is a feverish effort at artistic restoration. We are ashamed and we seek for the wherewithal to cover our æsthetic nakedness: more than this, the old virus is working itself out: the fruits of the Renaissance, Reformation and Revolution have been eaten, the good is by way of being assimilated, the evil rejected, and the gray dawn of a new day lightens on the hills. In spite of the curial ineptitudes of Rome, the invincible Erastianism of the East, the uncertainties of our own estate: in spite of the momentary triumph of atheism and anarchy in France, the outbreak of unearthly heresies and superstitions in Russia and New England, and the apparent victory of secularism in education: in spite of ethical, political, industrial and economic disorder, the doom of the post-Renaissance era is sealed and in the midst of all our uncertainties one thing is gloriously certain and that is that a new epoch is dawning when religion will once more achieve its due supremacy over man and nations, the Catholic Faith regain its beneficent dominion over the souls that God made in His own Image.

It is this conviction, whether avowed or hidden, whether conscious or latent, that lies at the base of the great turning of religion to art once more in these latest days. Not the desire of emulation, not the hunger for refinements of culture, but the dawning consciousness that each one of the arts is by right a paladin of the new crusade, that they are all by the nature given

(Continued on page 216)



ALTAR AND REREDOS,
HOLY CROSS MONASTERY CHAPEL, WEST PARK, N. Y.

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MR. CRAM'S ADDRESS

WE commend for careful reading the very able address by Mr. Ralph Adams Cram, F. A. I. A., delivered at the recent Church Congress, entitled, "Architecture as an Expression of Religion," which we print in this issue.

The scholarly side of the profession of architecture can present no better example than this thoughtful address, in which the author shows by his spoken word, as well as he has by his completed work, the high plane of thought that dominates the successful architect.

To the younger generation, which at the outset of its professional life looks, as do young men in other professions, to the men who have added dignity and luster to the calling, Mr. Cram's address will serve to arouse a spirit of emulation and create increased respect for the work to be done.

There can be no great measure of success in any walk in life where the worker fails to dignify that which he sets out to do. Artists, like poets, are born, but the greatest artists are those who, not content with accepting the facility that is born in them, delve into the literature of their work, and by careful study and much thoughtful concentration leave the task further advanced than when they found it. It is men of this character in every profession that advance its interests and uphold its dignities. It is a subject for congratulation that in the profession of architecture there are so many scholarly men. Not scholarly alone in the sense that they have received the "hall mark" of an alma mater, but in the sense that, having secured the benefits of an academic training, they have with that as a basis risen to higher planes that only come from constant study.

It augurs well for the future when we find throughout the profession of architecture men of this higher training lending their time and giving their best efforts in co-operating with those who seek to advance the general good. If we could calculate the value of this service, rendered by architects, busy with the exacting duties of

their professional work, and for which they receive no compensation, we would, undoubtedly, find that in no other profession is so much contributed toward the general advancement of the cause.

A PROPOSED COMPETITION

IN the current news columns of this issue will be found an abstract of an article that was recently published in a San Francisco daily paper anent the subject of a proposed competition to secure plans for a new City Hall in that city. It is a satisfaction to know that chapters of the American Institute of Architects all over the country are active, as in this case, correcting the impression that architects are in the business of making plans, rather than practicing the profession of architecture. It appears that in the case under consideration there is no assurance that a building will be erected from any of the plans asked for, but the Board of Supervisors apparently did not believe that fact to be of importance to the profession, so long as a sum of money would be distributed as prizes. If the public could be brought to a correct understanding of the architect's attitude, and made to realize that the drawing of plans is only incidental to the practice of architecture, and not the business of it, instances of this kind would become rare. The making of plans is only a preliminary step in the process of creating the forms of enduring materials that not only serve a utilitarian purpose, but if well conceived and skillfully executed satisfy our artistic sensibilities. For members of the profession to enter such a competition as that proposed in San Francisco, would be to submit to a test of proficiency in this preliminary preparation for the practice of their profession. There appears to be no occasion for such a student-day task and no value to be derived from it, even if we were not concerned with maintaining the dignity and ethics of our calling.

FIREPROOF CONSTRUCTION

WHILE the proportion of money expended during November of this year for building operations shows but a slight increase over that of November, 1909, it is gratifying to note that of the total amount fourteen per cent. was for fireproof structures. While this proportion may seem small, and not greatly encouraging to those who are fighting the battle for a more permanent construction, it is an advance over the same period in 1909, when but three per cent. of the amount expended for new buildings was for fireproof structures.

Grouping but the larger cities, the present proportion of fourteen per cent. would probably be greatly increased, for in such localities the building codes make a fireproof form of construction mandatory in certain areas. The fire losses of the country are bulked more largely, figured in percentages, in the smaller cities and towns where earlier forms of construction still exist.

A writer in an industrial paper advocates the obligation on all designers to instruct owners as to their moral duties and endeavor to at least include in their plans roofs of fireproof material. He points out that most fires kindled from adjacent hazards have their inception on their roofs, which are often constructed of such inflammable materials as to really invite danger.



PULPIT, EMANUEL CHURCH, CLEVELAND, OHIO

(Continued from page 214)

them by God, soldiers of the cross, and that their hearts and their swords are not lightly to be despised in the new winning of the world to Christ.

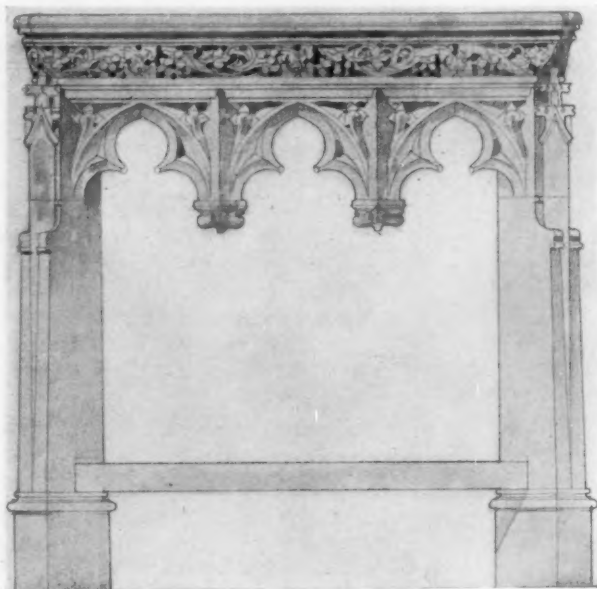
Michelet has somewhere said that "history is only a series of resurrections" and this is what the Church is doing to-day—returning to the old and tried methods of the past, when the builder and painter and carver, the musician and poet and maker of liturgies marched side by side with the prophet and monk and missionary into the strongholds of barbarism and infidelity, putting into visible and audible form the faith they practised.

No other course was possible: since beauty is the revelation of all that lies beyond the horizon of our finite vision, art, which is beauty organized and made operative, becomes the great language of the soul, and therefore it is crushed, mutilated, impotent, when it remains in bondage to material things, while without it religion is shorn of one of her greatest agencies of self-expression and of influence. This is the meaning of the wonderful revival of religious art of every kind that began simultaneously with the spiritual upheaval of the Oxford movement and has kept pace, step by step, with the growing consciousness of her Catholic heritage which, for now three-quarters of a century, has penetrated the Church of the English-speaking race. This is the meaning of the new life in religious painting and sculpture; in glass making and metal working and embroidery; in architecture, music and ceremonial. We look, sometimes with amusement, sometimes with horror, on the ecclesiastical fabrics of the early nineteenth century, on the barren and hideous forms, the apologetic music, the thin and enervated ceremonial. Now

we, and not we alone, but all Protestantism with us, are building churches as near in spirit and in form to those of the great Middle Ages as the somewhat limited capacities of our architects will permit: we demand the glass of Chartres and York, the sculptures of Amiens and Wells, the gold and silver and brass and iron of Hildesheim and Venice and Dalmatia, the pictures of Umbria, the music of Milan, the vestments of the treasures of Spain. Daily our ceremonial grows richer and more beautiful and its widening ring takes in, one after another, men and places that but a few years ago were staunch defenders, if not of Calvinistic theology, at least of Calvinistic art. Even the old shibboleth of "Romanizing, Romanizing" is heard no more, for its absurdity is recognized, and the basic impulse of religious art is seen to be other than a preliminary symptom of disaffection. It is not because we want something that Rome alone has got, but because at last we know we have it also, the thing itself, that we return to our sister, Beauty, and call upon her once again to cry to all the manifold products of God's Hands "O all ye works of the Lord, bless ye the Lord, praise Him and magnify Him forever."

The theological peculiarities of Geneva and Edinburgh can adequately be communicated by the spoken and unadorned word: the marvellous mysteries of the Catholic faith breathe themselves into the spiritual consciousness through the mediumship of art.

To every movement, then, toward the restoration of diplomatic relations between religion and art the Church must give her earnest support. Everywhere the artist and the craftsman is looking wistfully toward the old-time mistress of his art. Usually he has lost his faith, and he is not wholly to blame for it, but in his art lies the possibility of his conversion, or at least the assurance that, accepted, it will be easier for those that follow to regain their faith, or hold it whole and intact. To all the workers in all the arts the Church must now go, saying "We made you, we forsook you, we are sorry, and





PULPIT AND PANELING IN CHURCH AT EXETER, N. H.

now we need you again: give us of your best that we may offer it on the altar of God."

"The best." Here, perhaps, lies the kernel of it all. For centuries we have taken the worst, and as little of that as possible; now we take anything that comes along, not from perversity but from lack of knowledge, and from a certain innocent trustfulness that takes a man—and particularly an artist—at his own valuation, or at least at the valuation placed upon him by some person or thing of which we stand in awe. Late Italian mass music and decadent ceremonial; plausible and loudly heralded stained glass of barbaric splendor; commercial products in metal and wood-work, saccharine statues—sometimes of plaster—of the type dear to the heart of the Latin "parrocchio," imitation Gothic architecture—also sometimes of plaster, with a little harmless, necessary steel or iron encased within. We want the real thing, the real beauty, the real art, but the trouble is we sometimes can be induced to accept a substitute, while sometimes also the best of us know too well what we like, and this is always dangerous.

The first battle has been won—the battle for beauty; we know now that this we must have; now let us establish the victory by winning the battle for truth.

And this does not mean the easy victory over plaster and papier-mâché, gold leaf and lacquer, imitation marble, steel covered with concrete, and all the other substitutes that are now so tempting to the eye hungry for beauty, and to the emaciated purse. It means the far more arduous battle for the fundamental truth of æsthetic ideals, for art that shall be significant, and vital with the breath of the great art of the past.

It is not the fault of the priest, or the building committee, or the altar society that here we so often fail; it is the fault, in great measure, of the artist; but I honestly believe he himself is only a victim of that most pernicious and devil-engendered principle of the present age, namely, "give the people what they want." Of course any society that acts on that basis has its ending in the pit of perdition; but this we do not see with perfect clarity, and so the artist prostitutes his God-given art to the false ideal of what is demanded of him. He is wrong: no one nowadays wants anything but the best in art—which is one of the most encouraging signs in a dubious day—but this demand is not always couched in unmistakable terms. Let it be specific, make it clear that you look on the artist as a minister in minor orders, and that on him alone rests the obligation to make his work, in however small a degree, a revelation of spiritual truth, and I do not think he will fail you.

I do not mean that as yet any artist can safely be given his head; least of all the architect. Art is still in bondage to that spirit of the Renaissance-Reformation-Revolution the Church has now freed herself from to so surprising a degree; but I *do* mean that the time has come when a principle only may safely be enunciated, the details being left wholly to the artist. It is not so long ago that priests who had read Parker's Glossary, or some handbook on church building, or had spent a summer in England, felt it their duty to instruct an architect as to the working out of his plans, even in some cases demanding that some church or other in England should be duplicated. Well, this was bad enough, but I dare say better than the terrible things that might have happened—and did happen for that



PULPIT



DETAIL OF REREDOS, ALL SAINTS' CHURCH, GREAT NECK, L. I., N. Y.

matter—when the architect was permitted to give free rein to his fervid imagination. In any case, this time has gone, and in spite of the schools of architecture there are now many artists of every kind—and particularly architects—who may safely be trusted to do honorable and competent work. Nevertheless, there is still one function that the priest, or, better still, the Church, must perform, and that is the laying down of the fundamental law of all religious art.

What is this law? It is a very simple one, viz., that religious art must express, not the predilections of one man, or the arbitrary theories of a school, but the Church herself, in other words, a divine institution unchangeable in essentials, infinitely adaptable in everything else. And this means that whatever is done must be faithful first of all to the universal laws of Christian art, then that it must preserve an unbroken continuity with the art of our own blood and race, and finally that it must declare itself of our own time as to the accidents of its expression.

Several principles develop from this: under the first heading we are forced back five centuries to the time when Christian art came to an end: across the desert wastes of Protestantism and the opulent gardens of neopaganism, back to the Middle Ages, when the living stream that had refreshed a thirsty land from before the days of Hellas and Byzantium disappeared below the surface into some subterranean channel wherefrom comes now only the murmur of troubled waters impatient for release. So far as the art expression of religion is concerned, nothing has happened since the fall of Constantinople in which we need display any particular interest. Back to mediævalism we must go, and begin again.

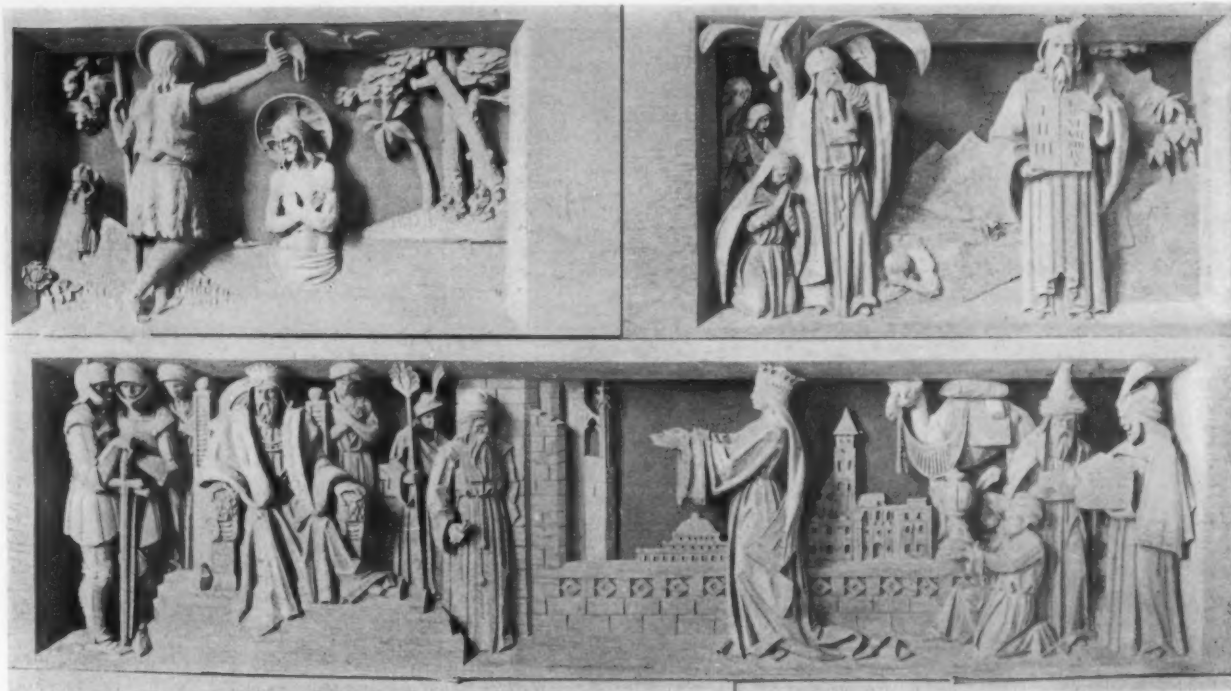
And as to continuity, that indispensable succession that alone ensures the vitality of art while it parallels that Apostolical succession which alone ensures the Divine vitality of the Catholic Church, it means that we are not at liberty to pick and choose among the tentative styles of a crescent Christianity, but that we must return to the one style our forefathers at last created for the full expression of their blood and faith. Lombard we may like, or Byzantine, or Norman, or Romanesque, but they are not for us, for they were stepping stones only, not accomplished facts. Those that were of the South or the East are of alien blood. Our Church and we ourselves are of the North, northern. We are of them that purged the world of a great paganism, dead, and infecting all Europe with the miasma of its corruption. Frank and Teuton, Norman and Burgundian, Kelt and Saxon and Dane are in our blood and bone and our very flesh, and for the major part of what we are we owe an everlasting debt to this fierce blood of the Baltic shores, tamed and turned into righteous courses by the monks of St. Benedict, St. Robert, St. Bernard and St. Norbert.

We forget it all, for a time, but we return at last, and as now perhaps the most significant thing in the development of our own moiety of the Church is the restoration of that monasticism which was the engendering fire of Christian mediævalism, so by inevitable analogy we return to the art that blossomed in the gardens they made in the wilderness, to the heritage of our name and race, the Gothic of France and England and of all our own north countries, washed by our own seas.

Yet there is danger in this—the danger of archaeological dry-rot. We must begin somewhere, we no longer have within ourselves the power of artistic generation, and even if we had, if we could produce an art like that of Paris or Canterbury or York out of our own inner selves, we should lack the right, for we must above all things show that our religion stretches, without a break, through mediævalism and the dark ages, to Calvary. Gothic architecture and Gothic art do this.



FIGURES FOR A PULPIT



WALL PANELING AND DETAIL OF FRIEZE, ST. PAUL'S CHURCH, CHICAGO

for in them are gathered up and perfected all the tentative efforts of all Christendom; but if we stop there we deny the Faith, for we know that in accordance with the promise of Christ He is with His Church even unto the end of the world and that through the abiding presence of the Holy Spirit she is being led into all truth. The Christian life is a life of progressive development; the life of the Church is no other; and little by little new aspects of old wonders are opened before our eyes. Therefore our art must content itself with no finalities; it must grow ever and onward, from the highest point thus far it has reached, the mountain summit of mediævalism, from whose cloud-encircled top dim visions already unroll of still loftier summits, accessible at last, once we forsake the mistaken path that long ago opened out broad and inviting, only to disappear in the morass of artificial paganism. And so our new art, re-founded on the old, must be mobile, adaptable, sensitive to all righteous influences, repellent of all that are evil; not a simulacrum, but a living thing.

Is this too much to ask? Greater has been before and with faith we may move mountains.

The part that art is to play in the rebuilding of a new civilization is hardly to be estimated in words, and of all the arts the one that is destined to do the greatest work is architecture. Why this is so I confess I do not know, but so it has been in the past. There is some strange quality in architecture that makes its spiritual efficiency dominant over the other arts. Music is more poignant, painting more human in its appeal, while each art in its turn exerts some special influence beyond the province of the others. Architecture binds them in one, harmonizing, controlling, directing them, and lifting them up in a great structural *Te Deum*.

A perfect church, within whose walls is passing the

ordered pageantry unnumbered generations have built up in beauty and through the seven arts to do honor and reverence to the Creator and Redeemer of the world. There present in the Holy Sacrament of the altar is the greatest work of man. Into it enters every art raised now to the highest point of achievement, and as architecture, painting and sculpture assemble for the building of the tabernacle itself, so do music, poetry, the drama and ceremonial gather into another great work of art, an *opus Dei*, that prefigures the infinite wonder of Heaven itself.

And we threw it all away, once, in our blindness of heart and contempt of God's word and commandment: blowing up the matchless fabrics with gunpowder: beating out the jeweled windows and shattering with hammer and axe the fretted altars and shrines and tombs and chiseled images of saints and martyrs, even the Crucifix itself, the sign of our Redemption: filching the jewels from vestments and sacred vessels, casting consecrated gold and silver into the melting pot, turning copes and chasubles into bed hangings, and altar cloths into chair cushions, leaving the few churches we did not destroy barren, empty, desolated.

Now we are doing what we can by way of amendment. We are handicapped by the deeds of our fathers, and by their consequences, but the restoration must be accomplished, however arduous the effort.

And the reward is worthy the effort. Create in imagination the figure of what may be again: cathedrals like Paris and Chartres and Gloucester and Exeter: sculptures like the marshaled saints of Amiens and Wells, pictures and altar pieces like those of Giotto and Fra Angelico: windows that rival Bourges and York: the beating of sublime Gregorian chants like the echo of heavenly harmonies; and ceremonial that absorbs half



ALTAR CROSS AND CANDLESTICKS, ALL SAINTS' CHURCH, ASHMONT

of the regenerated arts, composing them into an *opus Dei* that is the perfection of all that man can do to honor in material and sensible form the central mystery of the Catholic Faith.

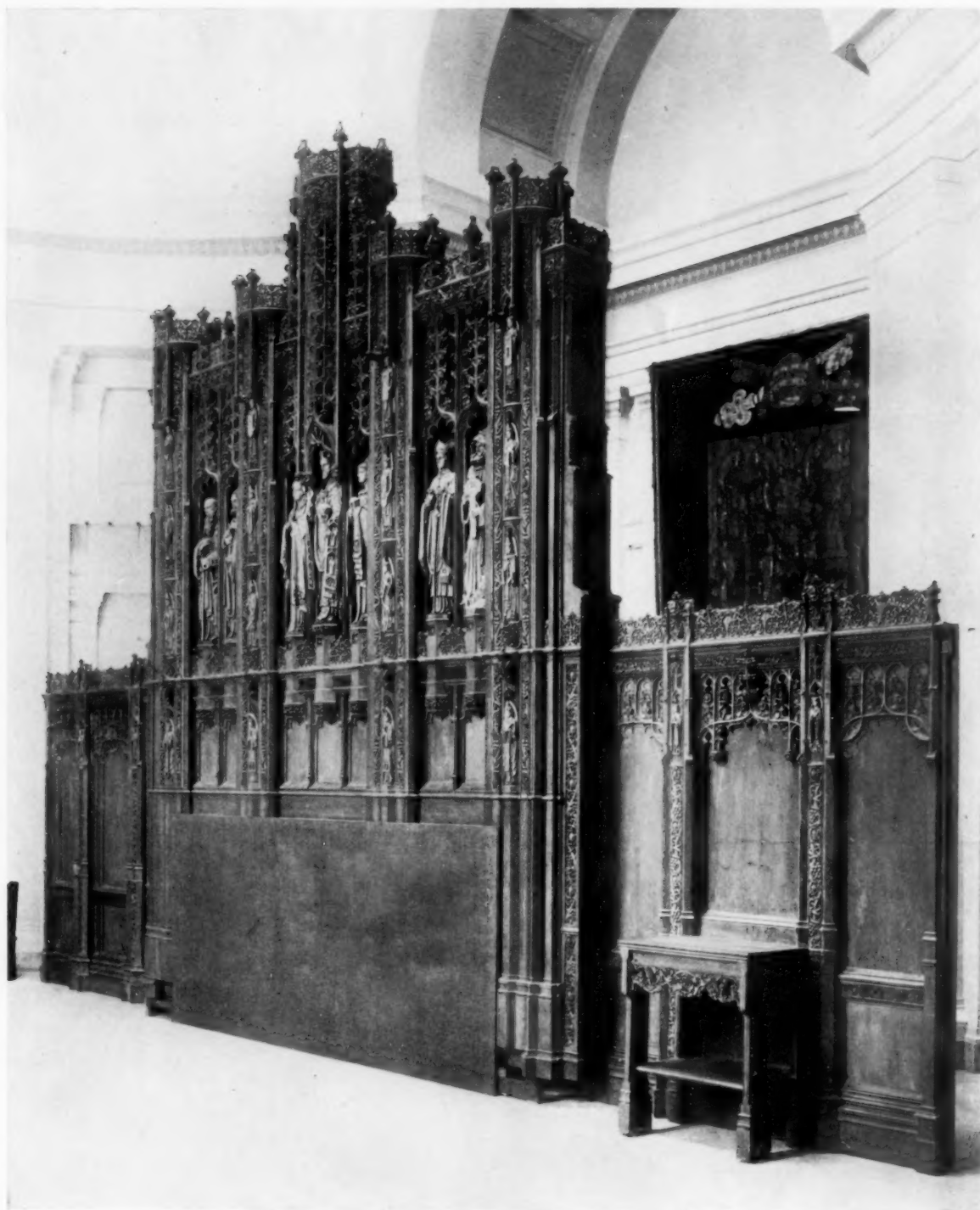
Once more at the hand of man all the works of the Lord shall praise Him and magnify Him forever, and from every cathedral or monastery or parish church shall go out the vast, subtle, insistent missionary influence of art, again restored to her due place as the handmaid of religion; breaking down that pride of intellect that will not yield to intellectual attack; winning souls hungry but defiant; dissolving the barriers that man in his insolence has reared to make of no avail the prayer of Christ that all His children might be made one; manifesting to the world the Absolute Truth and Beauty that are the Revelation of God. Architecture, with all the arts, is the God-given language of religion. It has been too long in bondage to the world; let it now serve God again through the Holy Catholic Church.

The Work of Cram, Goodhue & Ferguson, Architects, Illustrated in This Issue

No criticism or analysis of the work of the Boston office of Messrs. Cram, Goodhue & Ferguson, illustrated in this issue, and which will be further continued in our issue of January 11, has been attempted. It is believed none is necessary. The work of this firm in ecclesiastical architecture is too well known in the profession to call for any extended comment.

The illustrations presented, of interiors, furniture and other accessories, show thoughtful care in designing even the smallest details and that respectful attitude toward a problem that insures its successful completion.

It is believed that the material illustrated in this and the forthcoming issue is of sufficient importance to warrant its careful preparation for publication, and that it will serve as a source of inspiration for others engaged in the study of ecclesiastical architecture.

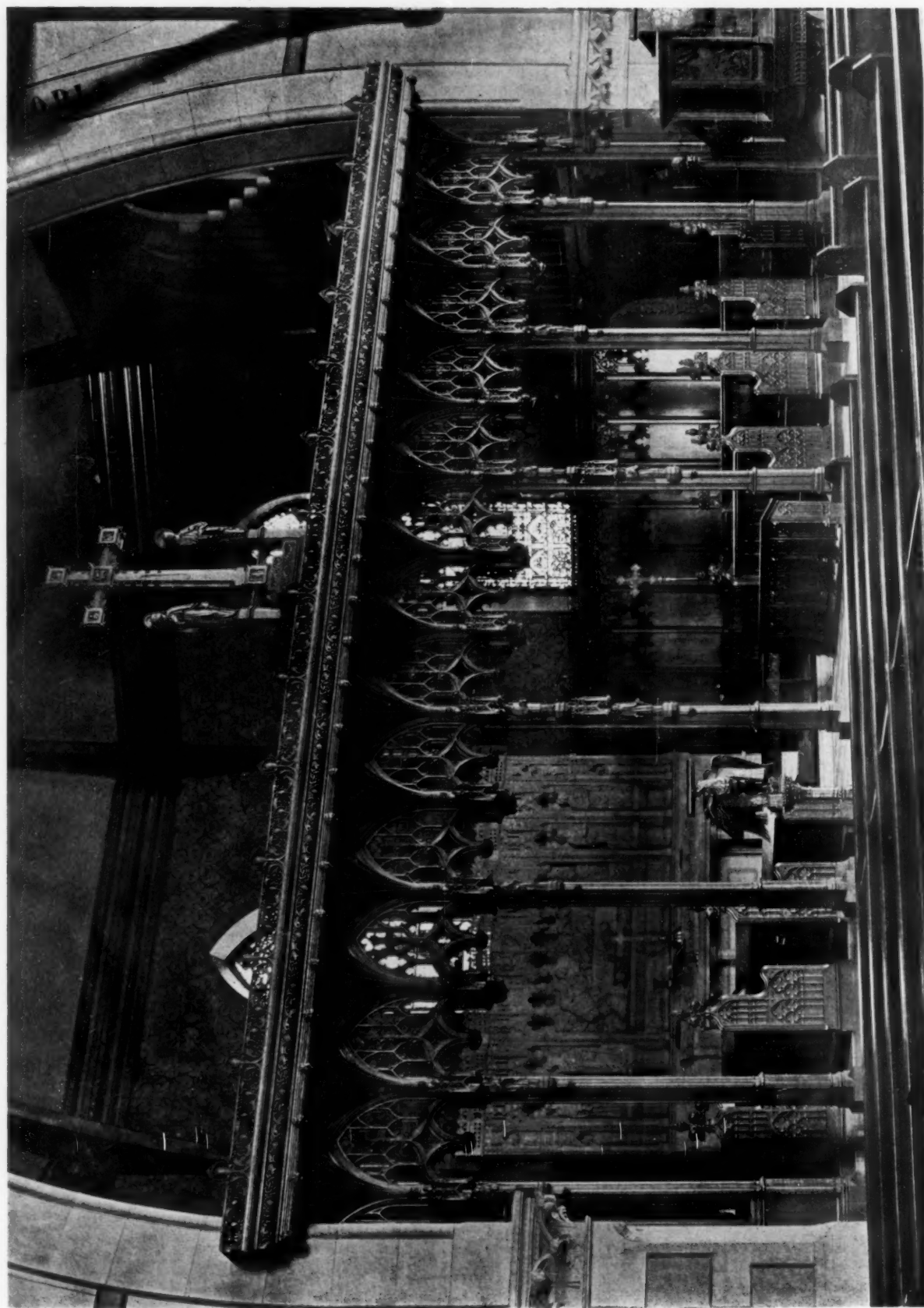


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REREDOS, ST. PAUL'S CATHEDRAL, DETROIT, MICH.

DETAILS OF ECCLESIASTICAL INTERIORS. FURNITURE AND OTHER ACCESSORIES

BY THE BOSTON OFFICE OF MESSRS. CRAM, GOODHUE & FERGUSON, *Architects*, BOSTON AND NEW YORK



THE ROOD SCREEN, ALL SAINTS' CHURCH, WORCESTER, MASS.

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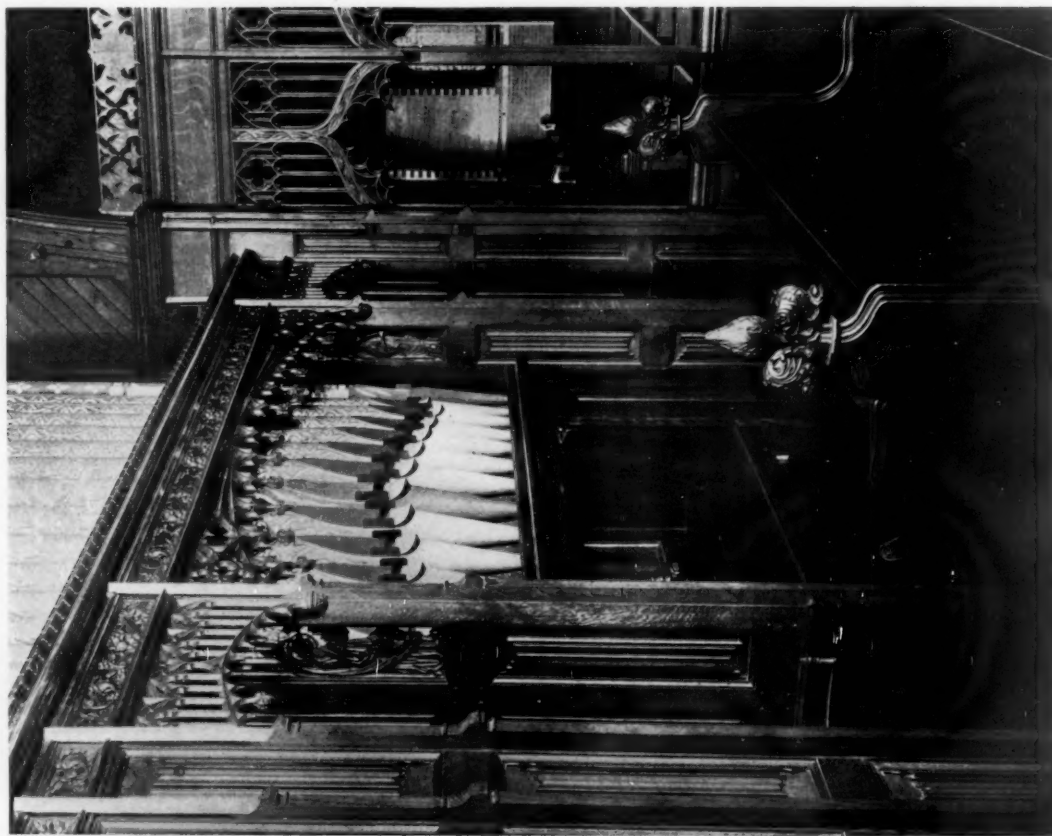


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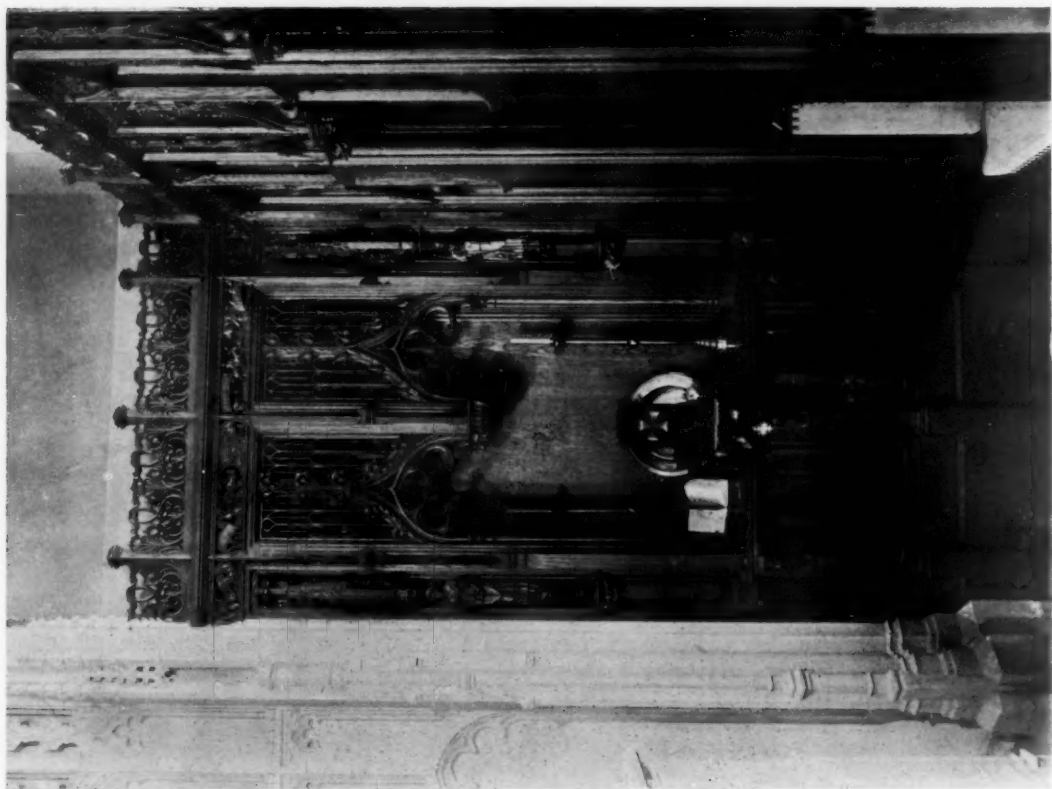
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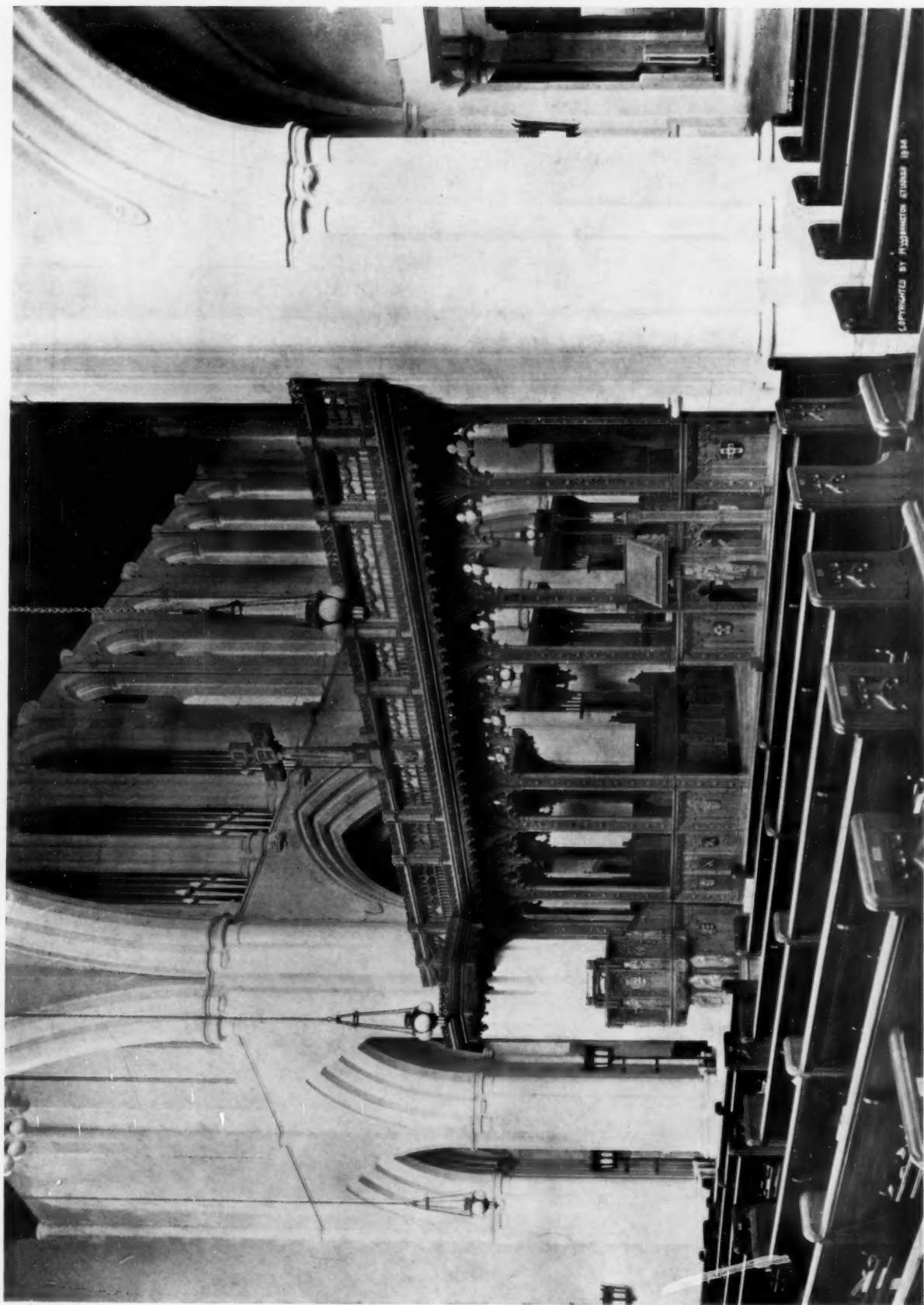


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HIGH ALTAR AND REREDOS, CALVARY CHURCH, PITTSBURGH, PA.
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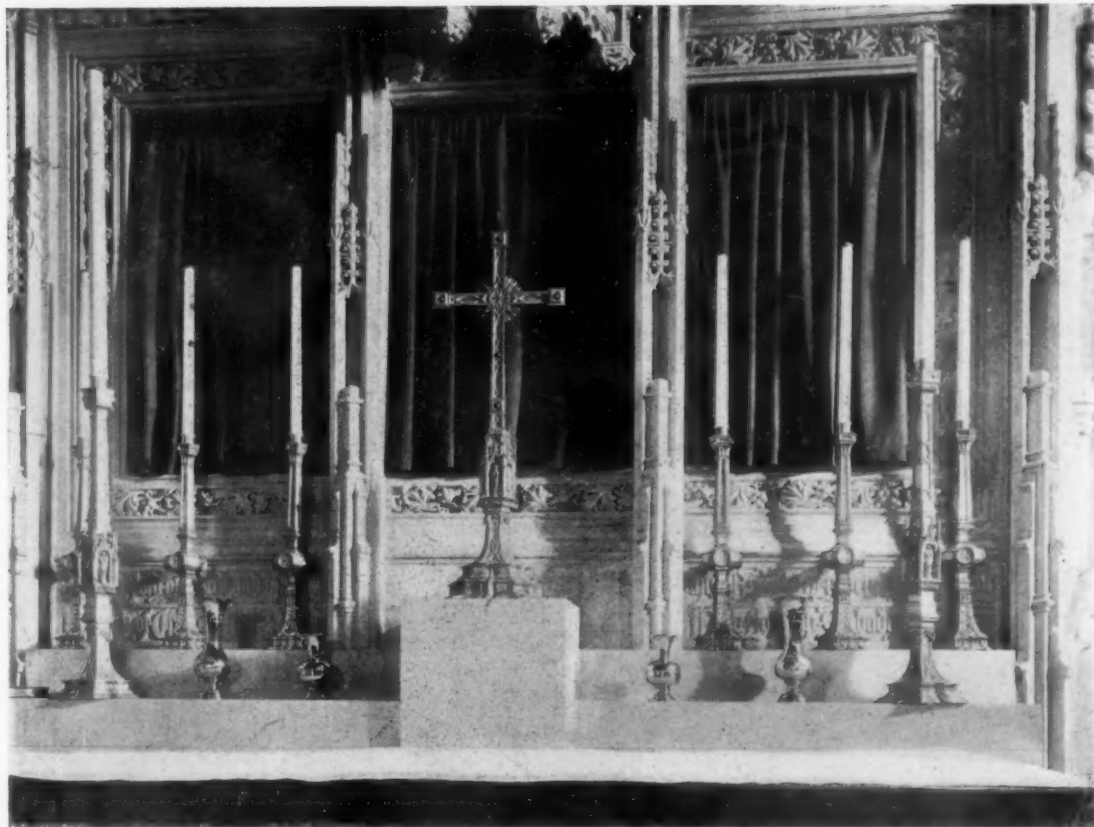


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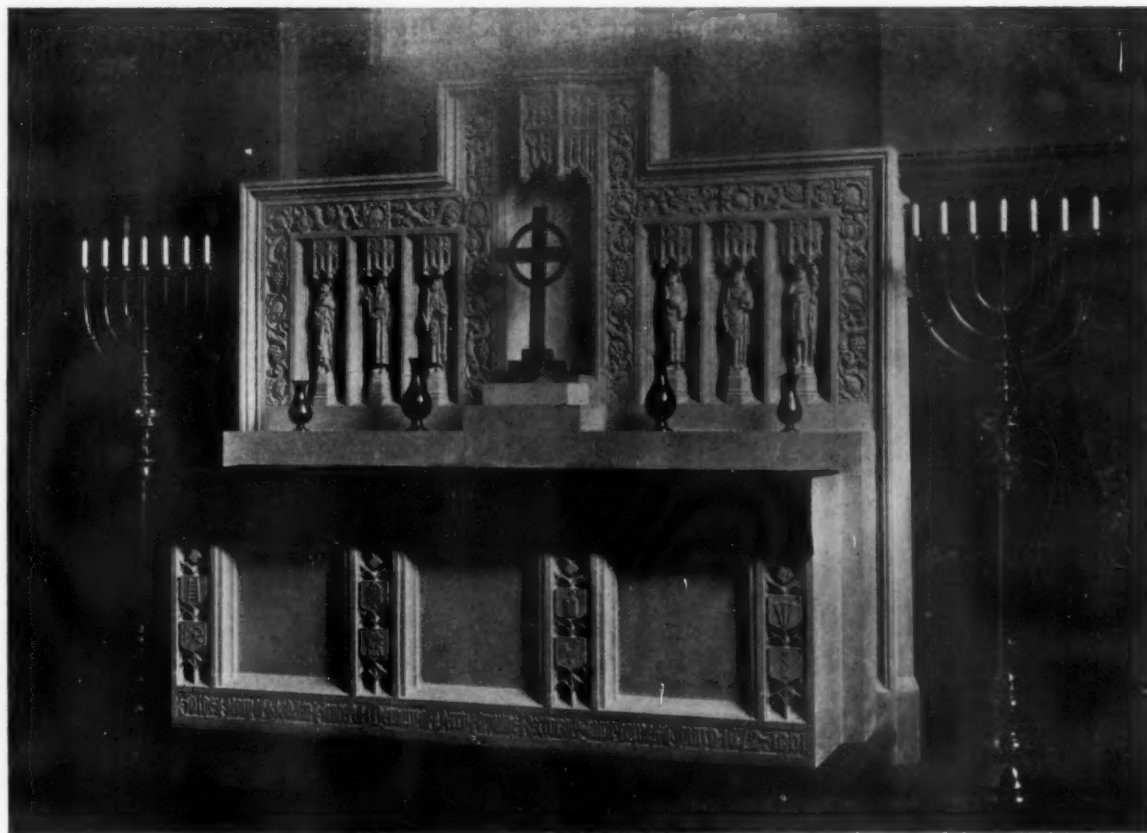
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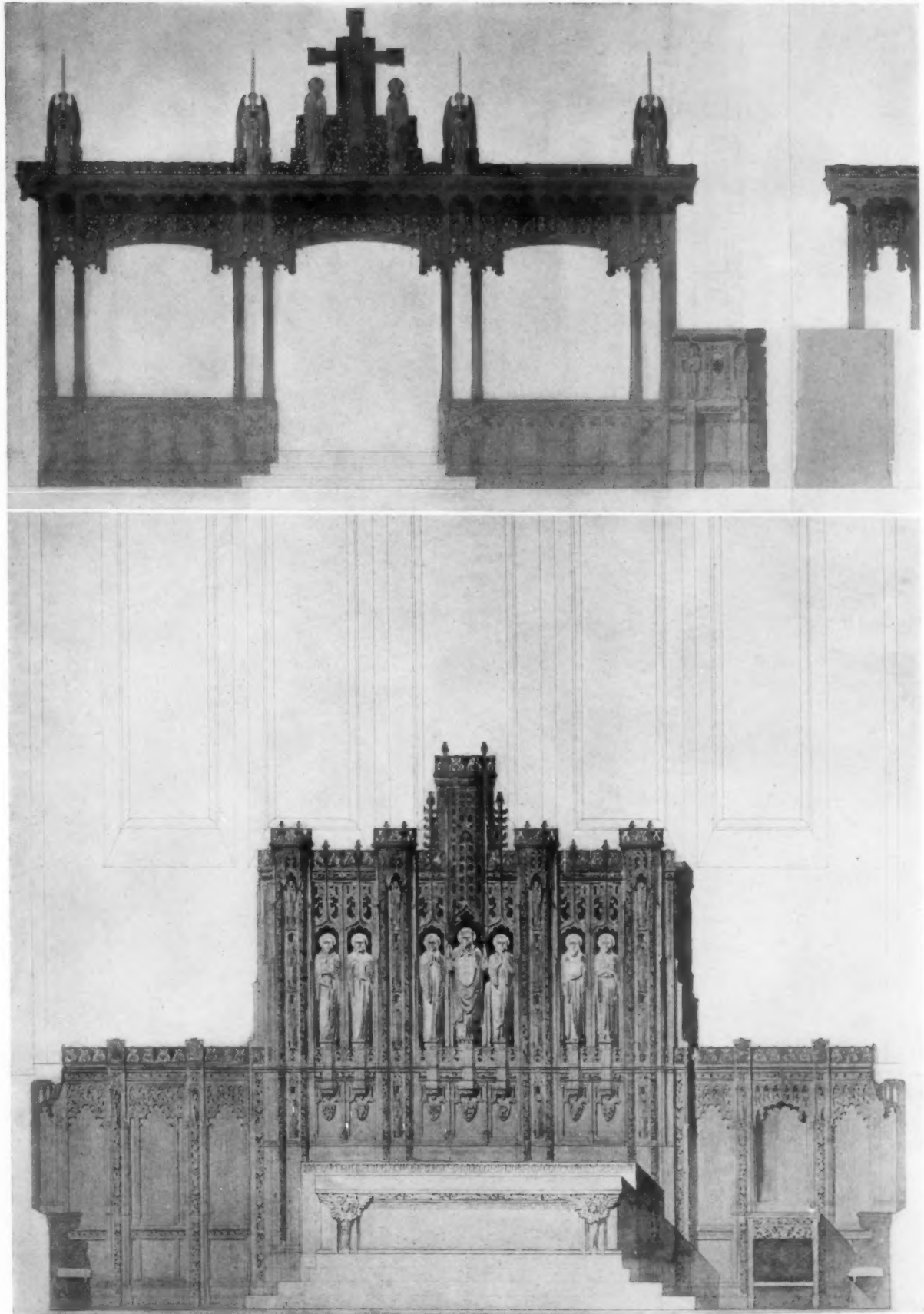
ALTAR, CROSS AND CANDLESTICKS, ALL SAINTS' CHURCH, ASHMONT, MASS.



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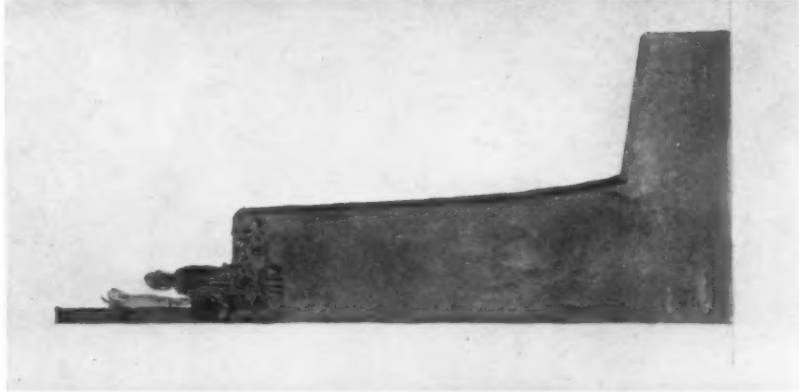
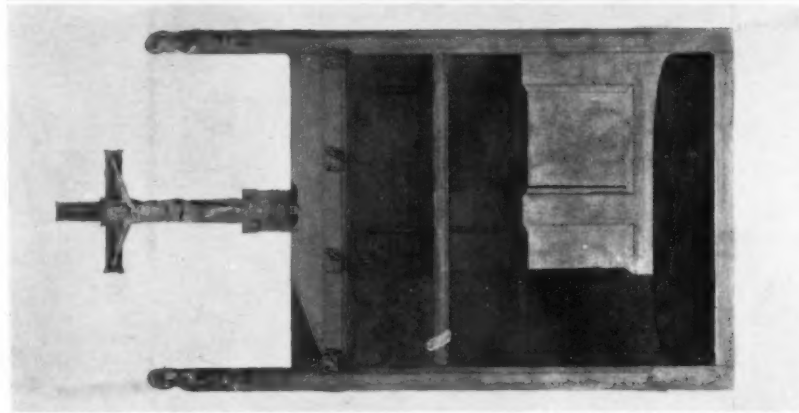
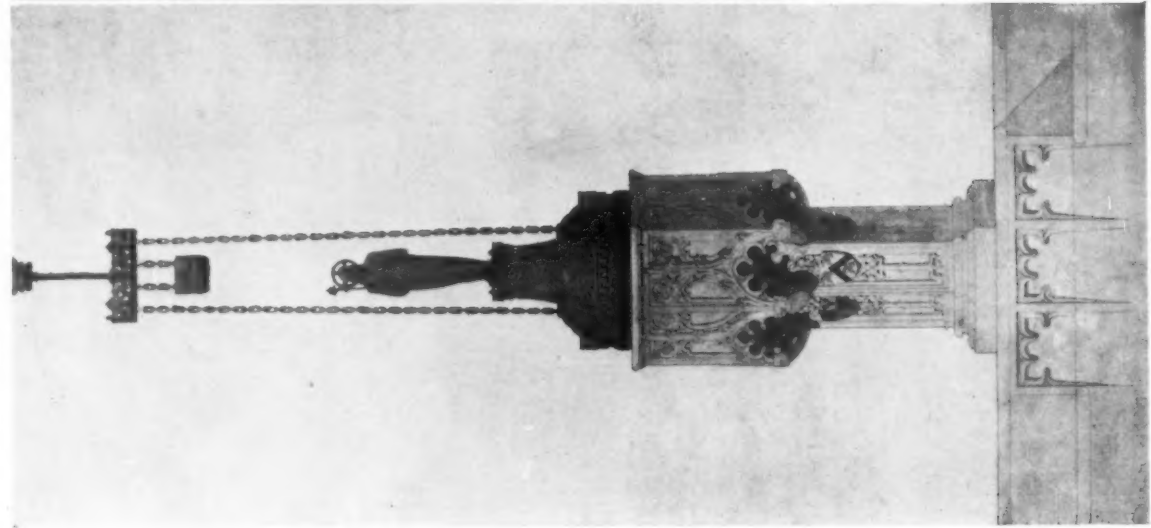
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ABOVE: ROOD SCREEN AND PULPIT, ST. PETERS' CHURCH, AUBURN, N. Y.
BELOW: ELEVATION OF ALTAR AND REREDOS, ST. PAUL'S CATHEDRAL, DETROIT.

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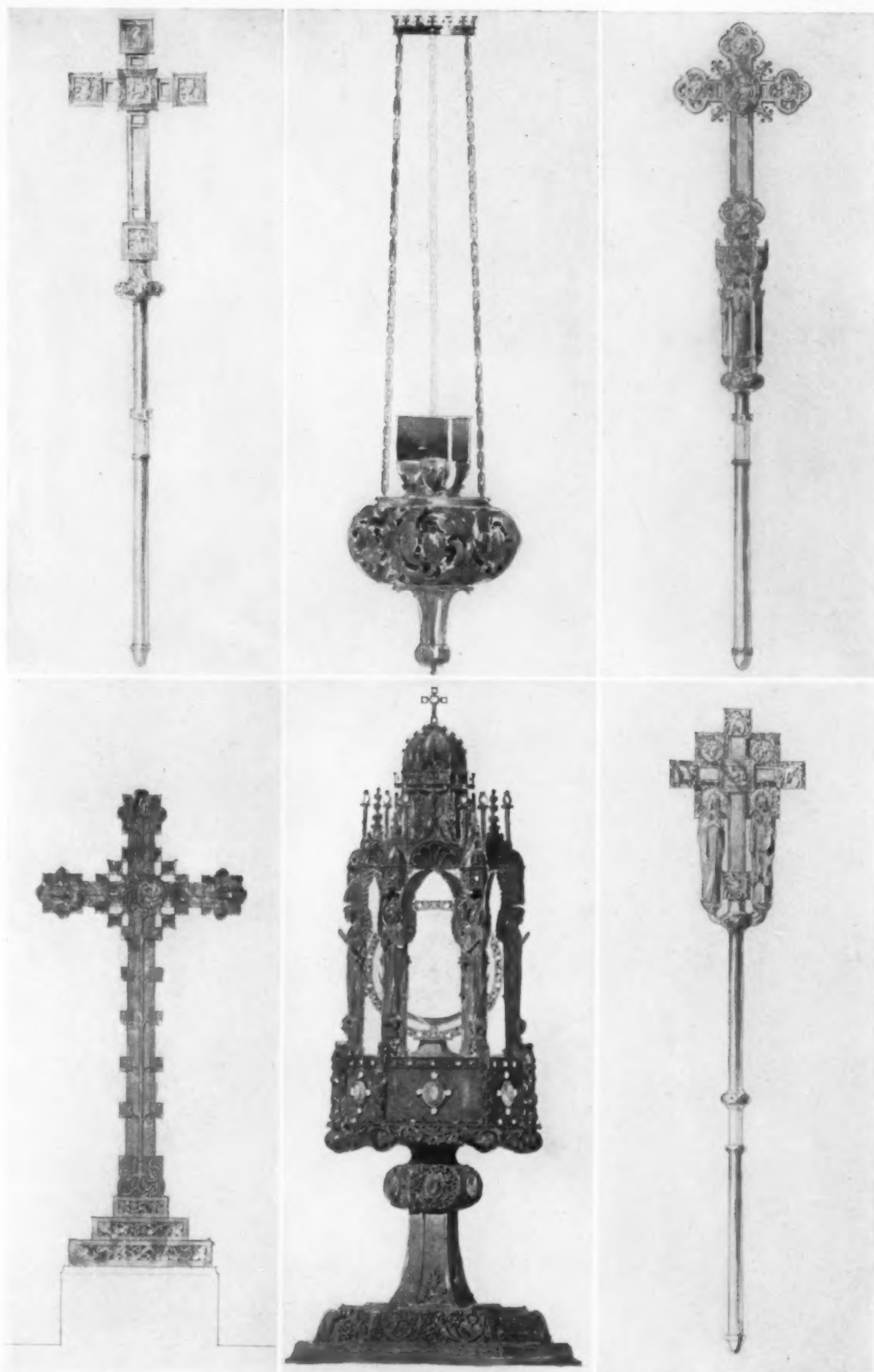


AT LEFT: BAPTISMAL FONT, ST. JAMES' CHURCH, ROXBURY, MASS.
 ABOVE: PRAYER DESK, CHURCH OF THE ADVENT, BOSTON, MASS.
 AT RIGHT: SHRINE OF ST. ETHELDREDA, FOR ST. ALOYSIUS' CHURCH,
 OXFORD, ENGLAND

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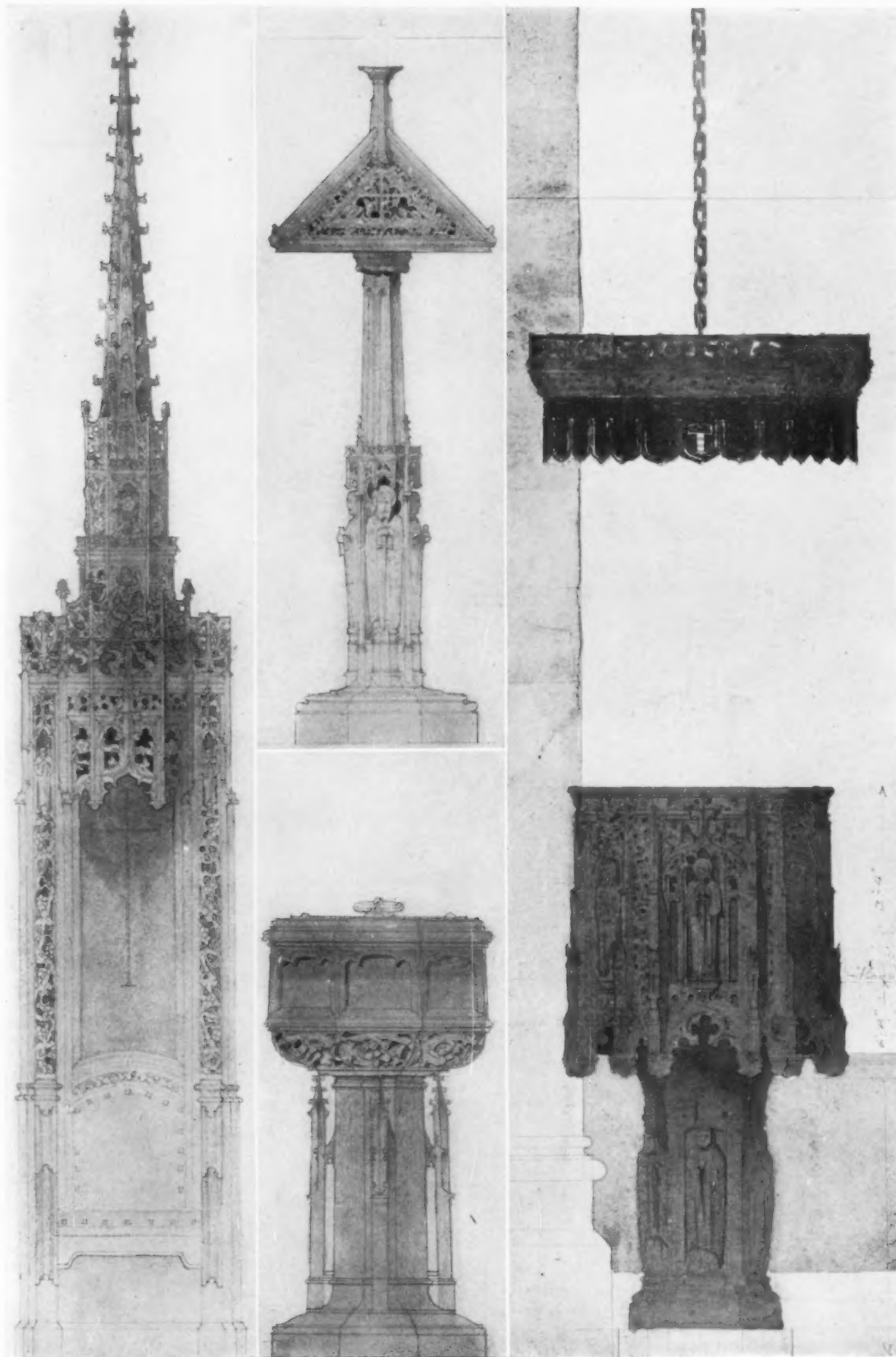
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ABOVE: TWO PROCESSIONAL CROSSES AND A SANCTUARY LAMP
 BELOW: ALTAR AND PROCESSIONAL CROSSES AND A GOLD AND JEWELLED PYX, CHURCH OF THE ADVENT, BOSTON
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AT LEFT: DEAN'S STALL, ST. PAUL'S CATHEDRAL, DETROIT—ABOVE, IN CENTER: LECTERN, ALL SAINTS' CHAPEL, UNIVERSITY OF THE SOUTH, SEWANEE, TENN.—AT RIGHT: SKETCH OF PULPIT, ST. PAUL'S CATHEDRAL, DETROIT, MICH.
BELOW, IN CENTER: FONT FOR A CHURCH IN WEST NEWTON, MASS.

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PRIE DIEU, CHURCH OF THE ADVENT,
BOSTON, MASS.

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A COMMUNICATION

FROM THE STANDING COMMITTEE ON COMPETITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS

To the Editors of THE AMERICAN ARCHITECT:

DEAR SIRs:—Recent editorials in architectural journals strongly support the present effort of the American Institute of Architects to improve competitions, yet communications and minor notes show in some cases such a lack of information that it seems well that some statement on the subject should be made.

It is obvious that any improvement in the conduct of competitions can take place only as a result of the general enlightenment of the profession and through it of the public. After many years of discussion the profession appears to have reached substantial agreement as to what are the essentials of a well-conducted competition. Without such agreement the present advanced position of the institute would be out of the question.

The institute has made many attempts to inform the public as to the proper conduct of competitions and to dissuade architects from taking part in them except under proper conditions. Its carefully prepared statements, though they had an excellent educational effect, were without other result since they were merely advisory.

The institute never has presumed, nor does it now presume, to dictate the owner's course in conducting a competition, but it aims to assist him by advising the adoption of such methods as experience has proved just and wise. But the institute has at last reached the conclusion that the most effective means within its command for the improvement of competition practice lies in seeing to it that its own members do not take part in ill-regulated competitions.

Architects generally have for many years regarded the institute as the highest authority on the ethics of the profession and the institute is certainly within its province when it instructs its members as to what is good competition practice and requires them to conform to it just as when it instructs them on other questions of professional ethics and requires them to conform to these instructions.

In consonance with these thoughts the convention of 1907 adopted certain principles as in its opinion fundamental to the proper conduct of competitions, while that of 1908 decided that any competition not conducted in accordance with them should be formally disapproved by the institute.

In practice it was found that it was impossible to gain a knowledge of all or even of any large proportion of the competitions throughout the country so as to disapprove those not in harmony with the institute's principles. It was also difficult and expensive to notify all members each time that a competition was disapproved. Thus many badly conducted competitions escaped attention and were open to the participation of members.

It became obvious that the converse of this scheme provided a more practicable course. The convention of

1909, therefore, adopted the principle that participation in any competition the program of which has not been approved by the institute is unprofessional conduct.

The convention gave the board authority to approve acceptable programs and power to delegate that authority. Thus it became necessary for the board to establish a standard by which to test programs submitted for approval. Fortunately the opinion of the profession as to the essentials of a good program being well crystallized, the board found its task easier than it had anticipated.

The formulation of these essentials resulted in a "Circular of Advice Relative to the Conduct of Architectural Competitions" which serves the purpose of informing the public on the whole subject; of instructing architects as to what the institute regards as good practice; of strengthening the position of advisers chosen to conduct competitions as well as of setting up a standard to which programs must conform if they are to receive the approval of the institute.

The board delegated its power of approval to the Standing Committee on Competitions and to a subcommittee for the territory of each chapter. Each of these subcommittees deals only with competitions for work to be executed within its own territory. Programs for work not within the territory of any chapter are passed upon by the Standing Committee.

The circular of advice is in general an essay on competitions and it is in the main—as its name indicates—merely an advisory document. The board found comparatively few things so essential to the proper conduct of a competition as to be made mandatory. Its instructions to the committees charged with giving the institute's approval are that the program should conform to the spirit of the circular of advice, but as this statement might be interpreted in various ways more specific directions are given:

- 1st. Approval must be withheld if a program appear not to be in consonance with law.
- 2nd. Except the law require an open competition, approval may not be given to one in which no precautions are taken that the competitors are competent to design and execute the work.
- 3rd. As experience shows that unless a professional adviser be in charge of them, competitions are almost always hopelessly bad, the institute will give its approval to no competition that is not in charge of such an adviser.
- 4th. The institute will approve no program that does not constitute a contract between the owner and competitors guaranteeing that an award of the commission to design and supervise the work will be made to one of the competitors, nor will it sanction a program which fails to establish the terms of the winner's employment as those of the institute schedule. There must also be provision for adequate compensation in case of the architect's dismissal or of the abandonment of the work.

It would seem that no argument is necessary to show that lacking any of the above requirements, the program fails to reach such a standard as the institute should set for its members.

A brief summary of the advisory portions of the circular would show that they treat the subject as follows:

- 1st. It is pointed out that competitions are not generally to the advantage of the owner, that it is better to employ an architect on the basis of his fitness for the work and that if a competition must be held the interests of the owner will be best served by equitable and definite agreements between himself and the competitors.
- 2nd. The rôle of professional adviser is defined and his employment urged.
- 3rd. The owner is advised not to hold a competition open to all comers but to carefully select his competitors.
- 4th. The kinds of competition recognized by the institute are defined.
- 5th. Strict anonymity of competitors is urged.
- 6th. The owner is advised to avoid various pitfalls in respect to the cost of the proposed work, competitors' and builders' estimates, etc.
- 7th. The owner is urged to receive the advice of a competent jury before making the award.
- 8th. Reasons are given why drawings should be as few in number and simple in character as will express the general design of the building.
- 9th. A program is outlined in detail, some twenty statements being made as to its essential contents.
- 10th. The question of what constitutes proper agreements between owner and competitors and between owner and winner is treated at length.
- 11th. The proper conduct of architects and of the owner is considered.

The circular was issued upon the 30th of March, 1910, and was widely circulated among members of the profession and the public generally through owners, editors, educators, etc. Copies of it may be obtained from Mr. Glenn Brown, secretary of the American Institute of Architects, the Octagon, Washington, D. C. Its reception was marked by general approval and it has since then been in successful operation. Many programs have been brought into harmony with its requirements and have received the approval of the institute. In some instances the owner on receiving the circular has decided to abandon the idea of a competition and has chosen his architect directly, a much-to-be-desired result. In the instances in which the program was not brought into harmony with the principles approved by the institute the results have justified members in not taking part in the competition, since the outcome in most cases shows either failure to appoint any competitor as architect or failure to proceed with the work for which the competition was held.

Very truly yours, FRANK MILES DAY,
Chairman.

Boston's Representation at the Town Planning Conference in London

It is stated in the local press that Mayor Fitzgerald, of Boston, will ask the City Council to appropriate \$1,500 to insure Boston's representation at the Town Planning Conference to be held in London from October 10 to 15. While the city will not send an official representative, the fund proposed is urged in order that it may insure the attendance at the conference of representative Boston architects—possibly selected by the Boston Chapter of the American Institute of Architects.

A Van Dyck Coming to America

There is every possibility that Van Dyck's "The Earl and Countess of Derby and Their Child," which has long been in the gallery of Lord Clarendon, but which has recently been sold, will presently come to America. The English newspapers are, of course, regretting that the canvas was not bought for the National Gallery, which is not particularly strong in souvenirs of Van Dyck's English period, but Sir Charles Holroyd is quoted as saying that it was not even offered to the institution in his care.

BOOK NOTES

A HOUSE OF BRICK. A plea for the greater use of brick in our domestic architecture; for a material which combines beauty, durability and economy; a material which seems to bespeak the house enduring—the home beautiful. Published for the Clay Products Association of America, by Rogers & Manson, Boston. Paper covers; size, 8 x 11 inches. 72 pages, illustrated. Price, 50 cents.

The subtitle above set down so fully expresses the contents of this book that little, if anything, remains to be said in the way of review.

The book will be of interest to architects as it contains among its illustrations the drawings submitted in the recent competition held by *The Brickbuilder* for a ten thousand dollar brick house. These are accompanied by the report of the jury of award, together with the program of the competition.

In the text are articles on "The Work of a Brick House," "The Charm of Good Brickwork," and "The Use of Brick in Mantels," by William D. Austin, Charles S. Schneider and J. Monroe Hewlett, respectively.

THE ENGLISH HOME, by Banister Flight Fletcher, F.R.I.B.A., and Herbert Phillips Fletcher, F.R.I.B.A., with an introduction by His Grace the Duke of Argyll. Full cloth, 5½ x 9 inches, with 336 illustrations. Price, \$4.00. New York: Charles Scribner's Sons.

While it would seem that the subject of English domestic architecture had received such thoughtful consideration at the hands of many writers as to leave little, if anything, of moment unsaid, the high reputation of the authors of this work would insure it a respectful and careful perusal.

The early chapters, treating of the development of the English home, present the subject in an historical way beginning with the feudal system. Authoritative reference to manners and customs and the materials employed, all concisely stated, and from the viewpoint of the practising architect, enables the reader to acquire an insight into the earlier domestic life of England that is as entertaining as it is informing. The greater part of the work is taken up by illustration and critical notes of recent examples of domestic architecture in England designed by men who have specialized in this line of work.

These alone make the book of much interest to architects as it presents many types of design in which the English architect is known to excel and with the accompanying floor plans gives better than any amount of text could a clear idea of the modern English home.



Delano & Aldrich, Arch'ts, N. Y.

Another Musical Conservatory sound-proofed by Cabot's Deafening "Quilt"

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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

AUBURN.—Y. M. C. A. will erect \$50,000 building. E. S. Caton, president.

BAY MINETTE.—First Baptist Church will erect edifice in near future.

SHEFFIELD.—H. B. Elmore is interested in proposed erection of opera house.

TROY.—Baptist Church will erect edifice on Brundidge Heights.

TUSCALOOSA.—J. F. Walker and others will erect bored column plant in this city. Jas. Alston, Board of Trade, is interested.

ARIZONA

NOGALES.—L. Ephraim will erect two-story concrete office building.

ARKANSAS

FORT SMITH.—Fort Smith Market and Shippers Association is urging erection of municipal market house; plans prepared.

FORT SMITH.—St. Boniface Catholic Church is planning to erect parochial school.

Kansas City Southern Railroad Company is having plans prepared by Ludlow & Peabody, 12 W. Thirty-first St., New York City, for immediate erection of \$50,000 passenger station at Rogers Ave. and N. Seventh St.

PHOENIX.—Water Users' Association will at once ask bids for erection of office building. Plans prepared.

TEXARKANA.—Nazarene Church will soon begin work on erection of orphanage and training school. Mrs. Clara Pence, Dallas, and M. B. De Arman, general manager for home, are interested.

CALIFORNIA

BERKELEY.—First Church of Christ has accepted plans for erection of \$50,000 edifice at Bowditch St. and Dwight Way.

LONG BEACH.—Three-story hotel will be built by ex-Senator R. M. Howland of Tennessee on W. Ocean Ave.

Board of Education has called for bids for erection of \$200,000 Polytechnic High School building at Fifteenth St. and Atlantic Ave.

LOS ANGELES.—Park Commission has had plans prepared for erection of comfort station in Central Park.

LOS ANGELES.—Plans are being completed by Garrett & Bixby, Currier Bldg., for five-story hotel building to be erected at corner of Grand Ave. and Eighth St., for R. J. Cope.

Three-story \$10,000 building for use as Japanese Buddhist mission will be erected in East Los Angeles, plans now being in course of preparation by A. R. Kelly, 608 S. Main St.

J. A. Hersberger, Buffalo, N. Y., will erect \$10,000 residence in Camden Court.

LOS ANGELES.—Warren Wood will erect residence in Lincoln Park. Lester S. Moore, Grant Bldg., architect.

G. W. Grimes will erect \$7,000 residence, also a garage on Fairmount Drive. Garrett & Bixby, Currier Bldg., architects.

Architect Arthur Acker, 1127 W. P. Story Bldg., has prepared plans for erection of \$5,000 residence for Mrs. J. N. Bowler.

OAKLAND.—Security Bank and Trust Co., H. C. Capwell, president, will erect eight-story block at Eleventh and Broadway.

PASADENA.—About 32 three, four and five-room residences will be erected on Villa court, for J. Frank Bowen, at average cost of \$2,500. Frank H. Peters, Los Angeles, architect.

PASADENA.—J. Frank Bowen of Los Angeles is to build group of nineteen cottages on Villa St. and Galena Ave., at a cost of \$50,000.

POMONA.—Plans have been prepared for Congregational Church to be erected at Garey Ave. and Pasadena St.

SAN DIEGO.—Recommendations that a United States bonded warehouse be constructed at San Diego will be made by Claude I. Parker, internal revenue collector, to Department at Washington.

SAN FRANCISCO.—O'Brien & Werner, 68 Post St., have prepared plans for erection of \$15,000 residence on Scott St. for W. P. Filmer.

Architect Milton Lichtenstein, 111 Ellis St., has prepared plans for erection of \$10,000 apartment house at Eighteenth St. and Linda Ave.

CONNECTICUT

BRISTOL.—Unkelbach & Perry, New Britain, are preparing plans for erection of factory building for M. I. Smith.

BRIDGEPORT.—It is planned by the Connecticut Co. to erect two-story building and several smaller ones as supplementary houses to car barn at Congress St.

HARTFORD.—Plans have been completed for erection of brick block on Washington St. for Francis Dobson Estate.

HARTFORD.—Hartford National Bank will erect building at Main and Asylum Sts. Donn Barker, 24 E. Twenty-third St., New York, Architect. D. W. C. Skilton, Chairman Building Committee.

HARTFORD.—Erection of \$60,000 home on Front St. for Engine Co. No. 3 is being considered.

NEW BRITAIN.—New Britain Machine Co. will at once erect four-story office building on Chestnut St. Plans prepared.

NEW BRITAIN.—W. H. Cadwell has prepared plans for erection of Swedish Lutheran parsonage on Bassett St.

NEW HAVEN.—Plans have been completed for erection of brick building on Howard Ave. for Nathan Morris, 43 Hallock St.

Work of drawing plans for the new church and schoolhouse to be built for St. Stanislaus Polish R. C. Church in Eld St. will be started in a short time.

STRATFORD.—Architect Arthur S. Meloy, Bridgeport, is preparing plans for a residence in Stratford for J. D. Wells, Jr.

DISTRICT OF COLUMBIA

WASHINGTON.—J. G. McCrorey & Co. will erect building at 820 Seventh St.

WASHINGTON.—Columbia Hotel Co., owner of Raleigh Hotel, Pennsylvania Ave. and Twelfth St., has issued \$900,000 bonds for erection of proposed extension to hotel.

WASHINGTON.—Plans are being drawn by Marsh and Peter, 520 Thirteenth St., N. W., for erection of \$40,000 Carnegie Library on Fifth St., Takoma Park.

WASHINGTON.—First Church of Christ, Scientists, has had plans prepared by Marsh, Peter & Ryerson, 520 Thirteenth St., N. W., for erection of \$125,000 edifice.

DELAWARE

BRIDGEVILLE.—Citizens have voted \$15,000 bonds for high school.

FLORIDA

PENSACOLA.—Florence Wagon Works is having plans prepared for erection of plant. J. W. Fry, Columbia, Tenn., President.

GEORGIA

ATLANTA.—Ansley Park Association is urging erection of school.

Brookhaven Country Club is considering plans for erection of \$20,000 club house.

Erection of \$25,000 Y. M. C. A. building at Georgia School of Technology is being considered.

BROOKLET.—Bids will be received until Oct. 14 for erection of school. E. C. Horsford & Co., Eastman, architects. P. B. Lewis, Clerk, School Board.

CORDELE.—Citizens have voted \$10,000 school bonds.

MACON.—Case-Fowler Co., Chattanooga, Tenn., will erect plant in this city.

QUITMAN.—Bids will be opened Oct. 20 for erection of six-story \$20,000 bank building for First National Bank. W. B. Camp, Jacksonville, Fla., architect.

ROME.—Citizens will vote Nov. 8 on \$275,000 bonds for build-

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ing ward schools and purchase of present Shooter College buildings.

IDAHO

COEUR D'ALENE.—Site will soon be purchased for erection of proposed postoffice building.

ILLINOIS

CHICAGO.—Polish Women's Alliance will erect \$25,000 home at Ashland and Milwaukee Sts.

M. L. Oberndorff will erect \$100,000 mercantile building at South Peoria St. and West Jackson Boulevard.

F. H. Gansbergen will erect \$200,000 apartment house on North Park Ave.

EQUALITY.—Architect Frank Schlotter, Evansville, Ind., has prepared plans for erection of hotel for Mrs. H. C. Strickland.

Mt. VERNON.—M. E. Church is considering improvement of edifice at cost of \$16,000.

MURPHYSBORO.—F. J. Raddle is considering erection of \$6,000 residence.

PEORIA.—Chas. S. Jones will erect residence on Moss Ave.

INDIANA

EVANSVILLE.—Architect Manson Gilbert has prepared plans for erection of \$15,000 building on Fifth St., for Lockyear Business College.

EVANSVILLE.—First Christian Church has decided to erect addition to edifice.

Jacob Folz will erect store building at 1107 Franklin St.

HAMMOND.—Morion Railroad will erect large depot in this city.

MISHAWAKA.—Wm. Geltz will erect two-story brick business block at 113 W. First St.

NEW ALBANY.—Architect Fred Erhart will at once let contract for erection of \$7,000 residence for John Meyer.

Seventh Ward residents are urging erection of fire station.

SANDBORN.—Sandborn Christian Church will erect \$15,000 edifice. Jas. Waggoner, Chairman Building Committee.

TERRE HAUTE.—Masonic Lodge No. 19 will soon receive plans for erection of temple. W. B. Rice, Chairman Building Committee.

WARREN.—Indiana Conference of M. E. Church will expend \$25,000 in enlarging Home for Aged.

IOWA

CEDAR RAPIDS.—Cedar Rapids Lodge, B. P. O. E., will erect home at First Ave. and Fifth St. E. E. Pinney, Chairman Committee.

INDEPENDENCE.—Very Rev. Fr. O'Dowd is interested in proposed erection of \$25,000 church.

IOWA CITY.—State Board of Education has purchased site for erection of contemplated woman's building at Iowa University.

JEFFERSON.—County will vote Nov. 8 on \$100,000 bonds for erection of court house.

MARSHALLTOWN.—Marshall County Fair Association is considering erection of number of buildings. Geo. Gregory, president.

MONTICELLO.—Bids will be opened Oct. 12 by County Board of Supervisors for erection of \$30,000 court house.

OTTUMWA.—Moline Pump Co., Moline, Ill., will erect plant at Third Ave. and Twentieth St. Geo. E. Killinger, president.

WATERLOO.—Local Masonic Fraternity is considering erection of temple.

KANSAS

HAYS CITY.—Bids will be received until Oct. 20, for erection of public library. E. S. Beach, Chairman, Building Committee.

KENTUCKY

LOUISVILLE.—Plans are being prepared by Architects McDonald & Dodd, Equitable Bldg., for two handsome three-story brick residences to be built on Third Ave. for Messrs. Wible Mapother and A. R. Smith.

Architect Fred Erhart, 358 Fourth St., has completed plans for \$5,500 bungalow in New Albany for John Meyer of Independent Ice & Oil Company, Nineteenth and Howard Sts., city.

Plans for \$7,000 home facing Cherokee Park in Barringer subdivision have been completed by Architect J. J. Gaffney, 455 W. Jefferson St., for Frank Gruber, 2400 West Walnut St.

Dr. J. W. Kelley will erect three-story \$5,000 brick business

building at 518 South Third St. Plans are being prepared by Architect Arthur R. Smith, Norton Bldg.

MAYFIELD.—Citizens are urging erection of depot by Illinois Central Railroad.

SHELBYVILLE.—Shelby County will vote in November on erection of \$75,000 court house.

LOUISIANA

LAFAYETTE.—People's Bank and Trust Co. will at once erect \$10,000 building. John M. Keith, president.

LAKE CHARLES.—Site at Kirby and Bilbo Sts. has been secured by Mayor C. B. Richard for erection of fire station.

NEW ORLEANS.—Plans are nearly completed for Delgado Museum of Art to be erected in City Park.

Plans have been submitted by the City Engineer to govern erection of two-story engine house at Louisiana Ave. and Howard St.

NEW ORLEANS.—St. Francis De Sales Church, Second and Franklin Sts., will erect two-story school. Rev. Wm. J. Hefferman, pastor.

MARYLAND

BALTIMORE.—South Baltimore Day Nursery will erect \$6,000 addition at 509 Hanover St. F. E. Beall, 213 St. Paul St., architect.

The Monumental Brewing Co. is having plans made by C. Wolf for \$75,000 bottling plant to be erected on Baltimore St.

Eugene Blake is having plans made by Henry J. Tinley, architect, for three-story \$9,000 brick warehouse to be erected at 15 South Gay St.

L. D. Davis is having plans made by Glidden & Friz, architects, for residence to be erected at Ten Hills.

BALTIMORE.—Jacob F. Gerwig, 210 E. Lexington St., architect, has finished plans for five two-story brick dwellings to be erected on Elwood Ave. for Canton Realty and Construction Co.

C. C. Homer, Jr., vice-president of the Second National Bank, has commissioned Architect Alfred Cookman Leach to prepare plans for \$12,000 handsome suburban cottage to be erected at Mount Washington.

Barrett McKee Co. has commissioned architects to prepare plans for large factory building.

BALTIMORE.—Philip Brendel has commissioned William A. Foreman, architect, to draw plans for \$6,000 residence to be erected at Eden Terrace, Catonsville.

Mrs. W. H. Emory and Mrs. L. S. Hunt have commissioned Emory & Nussear, architects, to draw plans for extensive improvements to their residence at Grey Rock, Baltimore county; two-and-half-story structure will be erected and the present building remodeled; improvements will cost about \$10,000.

BALTIMORE.—Gamble Latrobe has announced that plans for train shed for the new Union Station of the Pennsylvania Railroad Co., now being erected, have been finished and will soon be ready for bids.

BALTIMORE.—Glidden & Friz, architects, have completed plans for proposed \$275,000 apartment house to be erected at corner of Charles and Thirty-first Sts.

CUMBERLAND.—Y. M. C. A. is considering erection of \$60,000 building.

HAGERSTOWN.—Casein Co., New York, will erect \$90,000 milk plant in north end of city.

MASSACHUSETTS

BOSTON.—Captain Forrest F. Hall, Police Station No. 6, South Boston, will erect residence on Washington Ave. from private plans.

CAMBRIDGE.—Austin St. Unitarian Church Society will erect edifice. Rev. Henry H. Sanderson, pastor.

HOLYOKE.—Dr. G. C. Robert is preparing plans for erection of five-story 26-apartment block at Cabot and Chestnut Sts.; work will begin next Spring.

Plans have been prepared for a \$35,000 Odd Fellows' building to be erected in Cliftondale Square, Cliftondale.

HOLYOKE.—Henry L. Russell is considering erection of additions to Hotel Hamilton, Maine and Dwight Sts.

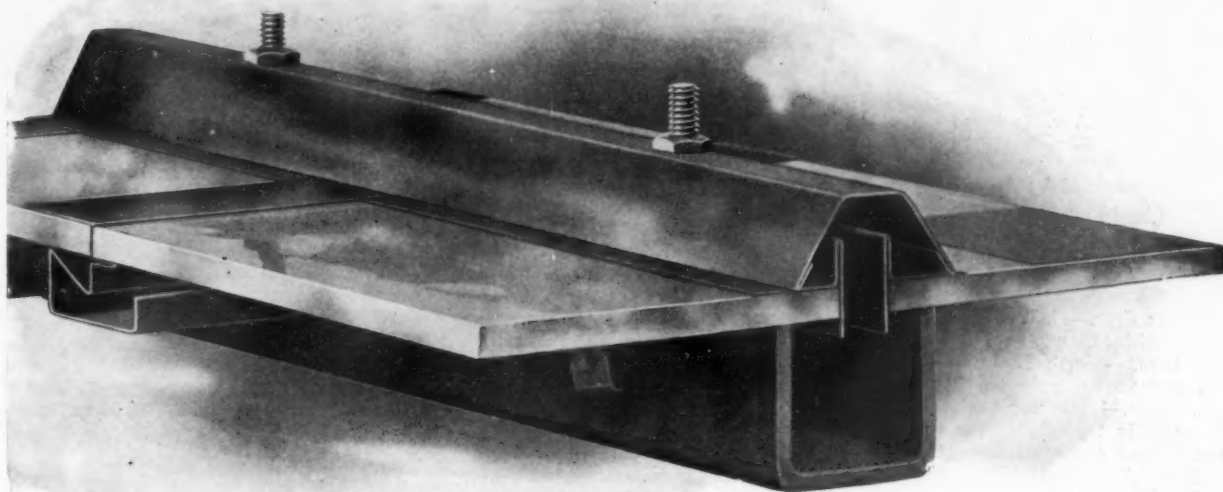
NEW BEDFORD.—Wesley M. E. Church is considering erection of home. Rev. John Oldham, pastor.

SAUGUS.—Cliftondale Lodge of Odd Fellows is considering erection of \$35,000 building.

SPRINGFIELD.—Council has appropriated \$9,000 to build quarters for forestry department.

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MICHIGAN

BAY CITY.—Edward Tight will erect residence at Thirteenth St. and Madison Ave.

DETROIT.—Plans have been prepared by Burrowes & Wells, 703 Trussed Bldg., for erection of three-story apartment building for Mrs. A. F. Gray.

DETROIT.—J. H. Tigchon and G. G. Epstean, 103 Moffat Bldg., will erect business building at Fort and First Sts.

DETROIT.—R. Robinson will erect theater on High St. Plans by C. H. Crane.

ESCANABA.—Plans by Charleton and Kuenzli, 82 Wisconsin St., Milwaukee, have been accepted for erection of proposed fire station; contract will be awarded Oct. 18.

LANSING.—True Blue Gum Co. will at once erect \$5,000 addition to factory on Pennsylvania Ave.

SAGINAW.—Yates Upholt Brass Co., Plymouth, will erect factory on Rust Ave.

MINNESOTA

DULUTH.—Kitchi Gammi Club is considering erection of home at Ninth Ave. East and Superior St.

WEST DULUTH.—Proctor Methodists have decided to build \$12,000 church next year, and site has been purchased. Plans are being prepared by Architect Anthony Puck of Duluth.

WILLMAR.—Bids will be received until Oct. 24 for complete construction of proposed postoffice. Jas. K. Taylor, Washington, D. C., Supervising Architect, Treasury Department.

MISSOURI

KANSAS CITY.—H. I. Goddard, architect, will erect residence at Fifty-fifth St. and Brookside Boulevard.

ST. LOUIS.—North St. Louis Savings Trust Co. has decided to erect \$30,000 store and office building.

ST. LOUIS.—Plans for twelve-story office building, to adjoin and probably to include present auditorium of Third Baptist Church, near corner of Grand and Washington Aves., will be considered by officials of the congregation this fall. Rev. Dr. W. J. Williamson, pastor.

ST. LOUIS.—Andrew Baur, 3444 Pestolozzi St., will erect factory on Morgan St.

Victor Automobile Co. will erect \$50,000 addition at Boyle Ave. and Papin St. Wm. Wedemeyer, Wainwright Bldg., architect.

MONTANA

LIBBY.—General Contract for First National Bank building has been let to Frank Pival, Libby, \$10,680; contract for plumbing and heating to Havre Plumbing Co., Havre, \$2,450. M. B. Riffe, Whipp's Block, Kalispell, architect.

NEBRASKA

OMAHA.—Schmoller & Mueller Piano Co. will erect factory. Wm. H. Schmoller, president.

NEW JERSEY

ATLANTIC CITY.—Mrs. Elizabeth Barstow will at once erect \$150,000 apartment house at South Carolina and Pacific Aves. Plans prepared.

BAYONNE.—From plans prepared by Architect Harry Adelman \$6,500 six-family flat will be erected at 43 Armstrong Ave. for Paul Press, 84 Andrew St.

ELIZABETH.—Public Service Corporation has made arrangements with Newark architect to prepare plans for erection of three-story brick building on North Broad St.

JERSEY CITY.—Plans are being prepared by Architects Rowland and Eurich, 15 Exchange Pl., for the erection of \$40,000 office building on corner of Montgomery and Greene Sts. for the Jersey City Evening Journal.

JERSEY CITY.—From plans prepared by Architect Eugene Reilly, \$13,000 apartment house will be erected on Grant Ave. for Hyman Tempkin and Louis Folk, 95 Andrews St., Bayonne.

JERSEY CITY.—Architect John A. Resch, 170 Lexington Ave., has completed plans for Mrs. C. E. Hanley, of 84 Roosevelt Ave., for six-family flat at 49 Greenville Ave.

From plans prepared by Architect Nathan Welitoff two two-family houses, cost \$9,000, are to be erected on Bidwell Ave., for Henry C. Casper.

LINDEN.—School Board has rejected the twelve bids for the new school building as they were too high: \$87,000 available.

NEWARK.—J. R. Brierley has designed the bakery and stable, both of brick construction, to be erected at Hawthorne and South Belmont Aves. at an estimated cost of \$7,000.

F. H. Ogden Company has prepared plans of \$28,000 three-story brick garage to be built at 418-420 Washington St. for Joseph Oschwald.

Vincenzo Giulano will build \$5,500 brick dwelling of five stories after plans by A. Del Guercio at 363 North Fifth St.

J. Strombach, 1238 Washington St., has prepared plans for erection of \$5,000 dwelling at 146 Nineteenth Ave., Irvington, for G. Kiefer.

Frederick G. Nobbe has drawn plans for \$6,000 frame residence for W. Wriggins at Montrose Ave.

OCEAN CITY.—Seymour & Paul Davis, 1600 Chestnut St., Philadelphia, are preparing plans for two-story bank building for Ocean City Title and Trust Company.

PATERSON.—T. A. B. Society of St. John's Parish has decided to erect club house. T. Sorrentino, Chairman Building Committee.

PRINCETON.—Architect Frank J. Miller, Scranton, Pa., has prepared plans for erection of two residences in this place.

TRENTON.—Methodist Church Extension Society is taking revised bids on erection of \$25,000 church and Sunday school building at Olden and Greenwood Aves.

The Electrolytic Art Metal Co., Parker Ave., is contemplating erection of two-story brick and concrete plant. Jordan Greene and Harold Hall, Newark, are now ready for bids on general contract.

Park commissioners are considering erection of public comfort station.

WEST HOBOKEN.—Bianchetti Construction Co. of Manhattan will erect \$40,000 apartment house on corner of Central and Paterson Aves. Architect Emil Guhl of Hudson City has prepared plans.

NEW MEXICO

ARTESIA.—Drs. Haney and White will erect double office building of pressed brick on Rose Lawn St.

LAS CRUCES.—Local lodge of Elks is considering erection of home.

The Bascom-Porter Co. is drawing up plans for new temple for Aztec Lodge, No. 3, A. F. and A. Masons.

H. C. Strong is having plans prepared for erection of two-story store building on Griggs St.

OBAR.—Bids will be received until Oct. 10 by School Board for erection of \$5,000 concrete school.

NEW YORK

DUNKIRK.—Council is planning either to rebuild city hall or to erect new building; architect will soon be engaged to make plans and furnish estimates.

GLENS FALLS.—Site on Warren St. has been selected for erection of proposed \$100,000 postoffice building.

JAMESTOWN.—Plant of Salisbury Wheel and Manufacturing Co., East Second St., will be rebuilt at once.

NEW YORK.—J. Tassi, 121 W. Houston St., will erect three-story \$30,000 brick garage at 45 Downing St. Geo. Provot, 104 W. Forty-second St., architect.

Corporation of Trinity Church, 187 Fulton St., will erect four-story brick lofts, cost \$60,000, on Dominick St. Renick, Aspinwall & Tucker, 320 Fifth Ave., architects.

F. H. Schwegler, 2983 Marion Ave., will erect small store and apartment house on 82d St. H. C. Beaven, 949 Park Ave., architect.

Chas. K. Lennon, 1436 Zerega Ave., will erect \$7,000 dwelling on Chatterton Ave. O. C. Krauss, 2318 Newbold Ave., architect.

NEW YORK.—Anderson Auction Co. will erect \$100,000 twelve-story office building at Madison Ave. and Fortieth St. N. C. Mellen, 45 W. Thirty-fourth St., architect.

Bids will be received by Board of Education until 3 p. m., Oct. 10, for general construction of Washington Irving High School, on Irving Place, between Sixteenth and Seventeenth Sts. C. B. J. Snyder, Superintendent of School Buildings.

Wm. H. Weissager, E. Eleventh St., will erect theater at 1315 Boston Road. Plans by Neville and Bagge, 217 W. 125th St., architects.

NEW YORK.—Central Union Gas Co. will erect five-story office building at 525 Courtlandt Ave., Bronx.

Geo. and Edward Blum, 507 Fifth Ave., are preparing plans for erection of eight-story \$35,000 apartment house on Eighty-seventh St.

NEW YORK.—Estate of John Gardner, 27 W. Thirty-ninth St., will erect three-story \$10,000 factory on Spring St. Sommerfeld & Steckler, 19 Union Square, architects.

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Jackson Bros., 168 Church St., will erect three-story \$15,000 stable on Water St. J. H. Friend, 148 Alexander Ave., architect.

R. H. M. Realty Co., 103 Park Ave., will erect six-story \$175,000 brick apartment house on Haven Ave. M. Zipkes, 103 Park Ave., architect.

NEW YORK.—King & Salkin will erect \$10,000 brick moving picture theater at 1894 Third Ave. Harrison & Sackheim, 230 Grand St., architects.

Eglise St. Jean Baptiste Church, 185 E. Seventy-sixth St., will erect \$300,000 edifice on Lexington Ave. N. Sircacino, 1170 Broadway, architect.

Ferd. Hecht, 169th and Boston Road, will erect \$12,300 shop on 171st St. H. H. Avolin, 961 Stebbins Ave., architect.

Mathew Halpin, premises, will erect \$7,000 residence at Starling and Castle Hill Aves. Henry Nordheim, 1087 Tremont Ave., architect.

E. L. Breasch, 761 E. 219th St., will erect \$9,000 residence on Willett Ave. A. H. Guilbert, 100 William St., architect.

S. J. and F. Miller, 1196 Fulton Ave., will erect \$5,000 residence on Kinsella St. T. J. Kelly, 685 Morris Park Ave. architect.

NEW YORK.—Leuray Construction Co., 200 Broadway, will erect seven-story \$100,000 brick loft at 153 W. Fifteenth St. Bernstein & Bernstein, 24 E. Twenty-third St., architects.

P. P. Cappel, 132 Nassau St., will erect six-story \$35,000 brick stable at 153 Monroe St. G. M. McCahn, 96 Fifth Ave., architect.

POUGHKEEPSIE.—Bids will be received by Board of Health until noon, Oct. 18, for erection of Tuberculosis Hospital.

SYRACUSE.—Mrs. Mary Hogan has had plans prepared by Architect Edward A. Howard for combination store and apartment building to be erected on S. Salina St.

The contracts will be awarded soon by Architect Edward A. Howard for a twin house to be erected in Court St. for Mrs. Lena Markert.

B. S. Briggs, Cazenovia, will erect residence on Onondaga Ave.

SYRACUSE.—Continental Can Co., University Ave. and E. Washington and Water Sts., will erect additional building.

SYRACUSE.—Railway Roller Bearing Co., Artesian School Building, has under consideration erection of large plant.

SYRACUSE.—H. C. Ostrander is having plans prepared for erection of residence at 1903 South Salina St.

NORTH CAROLINA

GREENSBORO.—Board of Education has accepted sketches of Hook & Rogers, architects of Charlotte, for central city high school building to be erected on South Spring St., at a cost of \$25,000 exclusive of heating plant.

ROCKINGHAM.—Presbyterian Church has decided to erect \$10,000 edifice.

NORTH DAKOTA

BELFIELD.—Citizens' State Bank is considering erection of brick building.

FARGO.—Alex. Stern will erect three-story building on Broadway.

MANDAN.—L. M. Cary will erect two-story brick building.

OHIO

AKRON.—Alton Motor Accessory Co., South St., will enlarge plant in near future.

BOWLING GREEN.—Bids will be received until Oct. 19 for erection of \$15,000 armory. Plan: on file at Lincoln and Dirlam's.

CINCINNATI.—Otto Kaiser will erect \$10,000 brick and stone building in East Walnut Hills.

CINCINNATI.—Frank J. Arlinghaus will erect \$8,000 residence at Clifton and Ringwalt Aves., Clifton.

Oakley School District has voted \$25,000 bonds to complete school house.

Catholics of Clifton District are considering erection of church.

CLEVELAND.—Isaac Stein will erect hotel at Maplewood-on-the-lake. Plans by Architect D. H. Reamer, New England Bldg.

H. J. Latimer, Fireproof Storage Co., is planning to erect storage warehouse on Euclid Ave.

CLEVELAND.—Reliance Electric and Engraving Co. will erect \$30,000 factory on Collamer Ave.

FAIRPORT.—Bids will be received by Board of Education

about the middle of October for erection of \$65,000 school. F. C. Warner, Citizens Bldg., Cleveland, Architect.

KENMORE.—American Tire and Rubber Co. will erect plant at this place. W. J. Yeager, manager.

NEW PARIS.—School Board will again advertise for bids for erection of school.

NORWALK.—Bids will be received by Ohio State Armory Board until Oct. 19 for erection of \$15,000 armory. B. L. Bargar, Columbus, secretary.

TOLEDO.—Lucas County will vote this fall on issuance of \$250,000 bonds for erection of a memorial building on a site yet to be chosen.

TRENTON.—Board of Education has rejected all bids for erection of \$20,000 high school and new ones will be received.

YOUNGSTOWN.—Thompson Realty Co. will erect brick block on E. Federal St. Philip Thompson is interested.

OREGON

PORTLAND.—A \$10,000 Catholic church and school house will be built at E. Fifteenth and Maldren Sts. in Sellwood.

Architect R. J. Roath has prepared plans for two-story frame building, to be erected on Caruthers St., for J. Beigbeder, to cost about \$7,000.

Architect W. J. Kratz is preparing the plans and specifications for frame residence, with mansard roof, to be erected on Talbot Road, Portland Heights, for Stuart J. Harder, of the Oregon Road Oiling Co.

Architects Harvey & Wagner are preparing plans and specifications for three-story, \$15,000 apartment, with brick veneer exterior, which will be erected on Twenty-first St.

PORTLAND.—Architect W. F. Tobey is preparing plans and specifications for \$8,000 two-story frame flat building to be erected for Mrs. M. Clark on Everett St.

Plans have been prepared by Morgan, Flidner & Boyce for \$15,000 four-story brick building which will be erected at corner of Second and Davis Sts. for Reed Institute.

Klein & Kroner are considering erection of \$25,000 bakery building at Thirteenth and East Stark Sts.

PENNSYLVANIA

DALLASTOWN.—Citizens will vote in Nov. on \$20,000 loan for erection of public school on Charles St.

DALLASTOWN.—Plans by Architects Hamme and Leber, York, have been accepted for erection of edifice for Christ Lutheran Church.

GETTYSBURG.—J. K. Taylor, Supervising Architect, Treasury Department, Washington, D. C., has prepared plans for erection of \$125,000 public building on Crawford St.

HARRISBURG.—Eagles' Home Association will erect home. W. T. Murphy and J. M. Rudy are interested.

NEW BRIGHTON.—Board of Education has purchased site on Penn Ave. for erection of school.

PHILADELPHIA.—Architect C. M. Wells, 518 Walnut St., Germantown, has completed plans for two-story factory at Seventh and Commerce Sts., Darby, for J. B. Simpson.

Anderson & Houpt are designing 46 two and three-story dwellings at Sixty-second and Market Sts., for Jacob Edelstein.

B. J. Medoff, 518 Spruce St., is preparing plans for a three-story bath house, at Nos. 511-13 S. Third St., for Wiener & Son.

PHILADELPHIA.—Architect J. F. Bradley is designing four two-story flat houses on Hazel Ave. for William R. Bucker and for 111 dwellings and three storers on Allegheny Ave., C and Westmoreland Sts. for Paul Bohn.

Architects Savery, Scheetz & Savery, Girard Bldg., are designing two-story infirmary to be erected on grounds of the Perkiomen Seminary at Pennsburg.

Architect F. G. Caldwell, 1533 Chestnut St., has prepared plans for erection of number of bungalows in Oak Lane.

Milligan & Webber, 1520 Walnut St., have finished plans for twenty-five three-story houses to be built in Germantown for Frank B. Thompson at a cost of \$6,000 each.

PHILADELPHIA.—J. D. Pharoah has had plans prepared for eight two-story houses, on Locust Ave., to cost \$24,000.

Architect Charles Barton Keen, 1220 Chestnut St., is designing three-story residence in English style on Eagle Road, Strafford.

PHILADELPHIA.—Treacy, Morris & Co. will erect modern building on Arch St.

It is a clear, ineffaceable FACT of authentic engineering and architectural record that in the official specifications of the Pennsylvania Railroad Terminal and Tunnels, New York, the ONLY waterproofing felt mentioned by NAME is "HYDREX," and that many million feet were used from the beginning up to the completion of the work.

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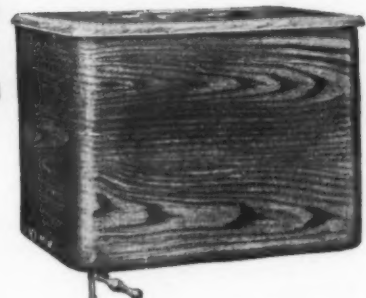
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Architects Magaziner & Potter are designing a three-story stone residence at Ardmore for T. Edward Ross.

PHOENIXVILLE.—Henry L. Reinhold, Jr., architect, Tenth and Sansom Sts., Philadelphia, has been commissioned to prepare plans for \$60,000 high school building.

PITTSBURG.—Bids will be readvertised for erection of warehouses for Bureau of Supplies at Duquesne Way and Fourth St.

POTTSTOWN.—Addition will be built to foundry of Light Cycle Co.

READING.—Public Library Trustees have adopted plans by Architect Whitfield for erection of \$100,000 building.

SCRANTON.—Architect Frank J. Miller is preparing plans and specifications for \$15,000 three-story, seven-family apartment house to be erected for Charles H. Biesecker on Irving Ave.

SCRANTON.—The Col. T. D. Lewis council, Junior Order United American Mechanics, is having plans and specifications prepared by Architect F. J. Miller for erection of three-story \$25,000 brick lodge hall on North Main Ave.

Plans and specifications for two additions to mill of the Mayfield Silk Co., in Mayfield, have been prepared by Architect Louis Hancock, Jr.

SHARON.—B. & O. Railroad will erect depot. Plans being prepared.

STEELTON.—First Methodist Episcopal Church has decided to erect new church.

SOUTH CAROLINA

MARION.—Methodist Congregation is considering erection of \$40,000 edifice.

NEW BROOKLAND.—School District No. 29 has voted \$10,000 bonds for erection of school. L. Hall, Clerk.

SOUTH DAKOTA

ABERDEEN.—Board of Education is about to let contract for construction of the \$135,000 high school building.

HIGHMORE.—Hyde County will vote Nov. 8 on \$70,000 bonds for erection of court house.

LEAD.—Council is considering erection of city hall on Main St.

ONEIDA.—Sully County Commissioners have postponed date of opening bids for \$75,000 court house until January.

TENNESSEE

BRISTOL.—First Baptist Church will soon begin work on erection of \$40,000 edifice.

TEXAS

BROWNSVILLE.—Mayor Kowalski is urging election on bonds for erection of addition to Market Hall.

BURDETTE WELLS.—T. P. Bishop, Houston, will at once erect two-story business building.

EL PASO.—Plans for proposed nine-story \$600,000 El Paso hotel are now being drawn by Architects Heller & Wilson and Architectural Engineers Bliss & Fayville, Balboa Bldg., San Francisco, Cal.

EL PASO.—Morris & Co. are considering erection of \$1,000,000 packing house.

FLATONIA.—Citizens have voted \$12,500 bonds for erection of fire station.

GALVESTON.—R. Pearey, Belfast, Me., John Christensen and John Rasmussen will erect modern two-story building at Tremont and Church Sts.

GREENVILLE.—E. E. See, Superintendent of Construction for the Texas Oil Co., is making preparations to erect warehouse, office and barns.

HILLSBORO.—Erection of library building is being considered by City Federation of Clubs.

PALACHIOS.—Citizens have voted \$25,000 bonds to erect modern high school.

PORT LAVACA.—Bids will be received until 10 a. m., Oct. 10, for erection of court house. Chamberlin & Co., Birmingham, Ala., architects. W. C. Best, Clerk, County Court.

SAN ANTONIO.—David Simon, Menger Hotel, is interested in erection of modern theater.

SHERMAN.—Residents of West Sherman are urging erection of fire station.

SHERMAN, TEX.—Stockholders of Sherman Business College have approved plans for \$10,000 instruction hall.

SULPHUR SPRINGS.—Preliminary plans will soon be made for erection of \$50,000 Federal Building. Jas. K. Taylor, Washington, D. C., Supervising Architect, Treasury Dept.

TEXARKANA.—Erection of larger Y. M. C. A. building is being considered.

TEXLINE.—Citizens have voted bonds for erection of \$15,000 school.

UTAH

KAYSVILLE.—Citizens are considering erection of public library.

SALT LAKE CITY.—County will receive bids until 10 a. m., Oct. 10, for erecting of barn and garage on Second St. Dallas & Hedges, Deseret National Bank Bldg., architects.

SALT LAKE CITY.—Contractors will be asked to furnish bids at once for erection of garage for county in rear of county jail.

SALT LAKE.—Board of Education has decided to erect proposed \$500,000 high school at Eighth, South and Twelfth East Sts.

WOODSIDE.—Bids will be received until Oct. 12 for erection of school. Watkins & Birch, Vermont Bldg., Salt Lake City, Architects.

VIRGINIA

LYNCHBURG.—Mission of Good Shepherd, colored, will erect edifice. Chas. Harrison is interested.

NORFOLK.—Hon. Harry St. George Tucker has had plans prepared for erection of residence at cost of \$18,000.

WASHINGTON

EVERETT.—Everett Lodge, Royal Order of Moose, will erect club house at Oakes and Everett Sts.

SEATTLE.—John Graham has completed plans for erection of four-story \$65,000 building at Western Ave. and Wall St. for E. R. Butterworth.

SPOKANE.—R. D. Shinn, 01116 A St., will erect residence at 2419 Maxwell Ave.

The Ballard Plannery has completed plans for erection of \$65,000 apartment house on Riverside Ave. for Chamberlain Real Estate and Improvement Co., to be built by day labor.

Northwest Loan and Trust Co. is considering enlargement of Southern Hotel.

Spokane Realty Co. has decided to erect seven-story building at Browne St. and Riverside Ave. Albert Held, Hyde Block, Architect.

Frank P. Hogan will erect seven-story warehouse on Haver-male Island.

John W. Graham & Co. will expend \$30,000 in additions to building near Washington St.

TACOMA.—Public Library Board will erect \$5,000 branch library at South 56th St. and Puget Sound Ave.

WALLA WALLA.—First Baptist and Park St. Churches have united; edifice will be erected.

WEST VIRGINIA

FAIRMONT.—Monroe St. M. E. Church, colored, is considering erection of edifice. Rev. C. C. Gill, pastor.

Bids will be asked by Fire Department for erection of portion of Central Fire Station; cost \$5,000.

WISCONSIN

FOND DU LAC.—Erection of \$35,000 armory for Company E is being considered. C. H. Brugger, Chairman Special Committee.

LA CROSSE.—La Crosse Plow Co. will erect foundry addition. MILWAUKEE.—A \$30,000 home for the Iron Links Lodge, I. O. O. F., is to be erected at Potter and Kinnickinnic Aves. Plans call for building of reinforced concrete and brick, four stories high.

Plans are being prepared by H. Messmer & Son, Pabst Theatre Bldg., for erection of banking building on Third St. for Home Savings Bank.

Plans for the new plant of the Hummel & Downing Company, Lake and Hanover Sts., to be erected on Cambridge Ave. and the Milwaukee river at a cost of \$400,000, are being completed. Architect O. C. Uehling, 120 Wisconsin St.

MILWAUKEE.—Plans will be prepared at once for erection of hall on Eleventh St., for Kilbourn Lodge, No. 3, F. and A. M.

City will erect \$65,000 building at Clinton and Virginia Sts.

UNDERHILL.—Town will receive bids until Nov. 15 for erection of school. A. Giese, Chairman, School Board.

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A YOUNG MAN who is capable to make complete working drawings and details from sketches is open for a position; good reasons for leaving present position; samples of work will be furnished if desired. Address 11D, care American Architect. (1811-T.F.)

ARCHITECTURAL Draughtsman, open for permanent position; 18 years' practical all-around experience construction, details, specification writing and outside superintendence a specialty; thoroughly familiar with New York building and tenement house laws; would take charge of office; New York City preferred. Address 14C, care American Architect. (1814-15)

YOUNG ARCHITECT with 12 years' experience as architectural draughtsman and superintendent desires to represent in largest southern city and surrounding territory one or two well-known high-class manufacturers, wherein strict attention as to measurements, superintending and erection would be essential; can give best of references, and bond if required. Address 14B, care American Architect. (1814-15)

MECHANICAL and Sanitary Engineer desires a position with some architectural firm. Has had six years' experience covering power plants, heating, ventilating, plumbing, electric wiring, etc., for hospitals, prisons, schools, hotels, office buildings, etc.; no objection to location if right proposition is offered. Address 14A, care American Architect. (1814-15)

EXPERIENCED eastern architect wants position South or West. Completed special course Boston Tech., followed by ten years' training in large offices. Own business ten years, executing some important work. Address 14F, care American Architect. (1814-15)

ARCHITECTURAL Draughtsman, with 14 years' first-class experience in all classes of work, desires position; design, working drawings and details; perspectives, specifications, superintendence and general management of office. Salary \$25.00 per week. Address 15D, care American Architect. (1815)

ARCHITECTURAL Draughtsman wants position in New York; experienced in city business building and country house work; outside position accepted; ten years' experience in the profession, two years at Cooper Union; age 26; salary \$18.00 per week. Address 15B, care American Architect. (1815)

POSITION WANTED—A Columbia University graduate desires position with reliable New York firm; willing to start with nominal sum and work for advancement. Address 15A, care American Architect. (1815)

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The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. **Remittance should accompany copy**. Copy received until 12 m. Monday.

WANTED—A first-class draughtsman, able to get out complete working drawings from rough sketches and make details; perspective and construction not necessary; state experience and salary required. Richards, McCarty & Bulford, Columbus, Ohio. (1814-15-16-17)

WANTED—A designer, male, one who has a thorough knowledge of design, as related to architectural and decorative periods, who would have ability to design glassware for use in connection with artificial illuminants. We are after a man of ability, one who, if possible, has had some experience in this class of work, and is of pleasing personal address. Salary depends absolutely upon qualifications. Address 15C, care American Architect. (1815)

ARCHITECTURAL and Ornamental iron draftsmen needed constantly; salaries \$18 to \$35 per week. The Engineering Agency, Inc., Monadnock Block, Chicago.

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FOR SALE—Architects' Office in Seattle, Washington. On account of retiring from business, one of the oldest, best-known and most successful architectural offices in Seattle, with a large clientele, is offered for sale. Address 13A, care American Architect. (1813-14-15)

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PROPOSALS

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. Copy received until 12 m. Monday.

Treasury Department, Office of the Supervising Architect, Washington, D. C., Sept. 19, 1910.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 14th day of November, 1910, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, and electric conduits and wiring), of the U. S. Post Office at Pontiac, Michigan in accordance with drawings and specifications, copies of which may be obtained from the Custodian of site at Pontiac, Mich., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1814-15)

Treasury Department, Office of the Supervising Architect, Washington, D. C., September 26, 1910.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 7th day of November, 1910, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. Post Office at Demopolis, Ala., in accordance with drawings and specifications, copies of which may be obtained from the Custodian of site at Demopolis, Ala., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1815-16)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Sept. 29, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 22d day of November, 1910, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. Post Office at Lewiston, Idaho, in accordance with drawings and specifications, copies of which may be obtained from the Custodian of site at Lewiston, Idaho, or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1815-16)

tion, copies of which may be obtained from the Custodian of site at Lewiston, Idaho, or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1815-16)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Sept. 22, 1910.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 22d day of Nov. 1910, and then opened, for the construction, complete (except elevators), of the U. S. Post Office and Court House, at San Juan, P. R., in accordance with the drawings and specification, copies of which may be had at the office of the Custodian of site at San Juan, P. R., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1815-16)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Sept. 27, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 3d day of November, 1910, and then opened, for an electric elevator equipment at the U. S. Post Office, New York, N. Y., in accordance with drawings and specification, copies of which may be had at this office, or at the office of the architects, Messrs. McKim, Mead & White, 160 Fifth Ave., New York City, at the discretion of the Supervising Architect. Applications must be accompanied by a certified check for \$100, which will be held at this office until the return of the drawings and specifications.—James Knox Taylor, Supervising Architect. (1815-16)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Sept. 27, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 3d day of November, 1910, and then opened, for a pneumatic door-operating system at the U. S. Post Office, New York, N. Y., in accordance with the specification, copies of which may be had at this office or at the office of the architects, Messrs. McKim, Mead & White, 160 Fifth Ave., New York City, at the discretion of the Supervising Architect. Applications must be accompanied by a certified check for \$100, which will be held at this office until the return of the specification.—James Knox Taylor, Supervising Architect. (1815-16)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Sept. 27, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 3d day of November, 1910, and then opened, for the completion of the superstructure of the New Post Office building, New York, N. Y., exclusive of heating, electrical work, elevators, and vacuum cleaning system in accordance with the drawings and specification, copies of which may be had, at the discretion of the Supervising Architect, upon application to this office or the office of the Architects, Messrs. McKim, Mead & White, 160 Fifth Ave., New York. Applications must be accompanied by a certified check for \$200, which will be held at this office until the return of the drawings and specification.—James Knox Taylor, Supervising Architect. (1815-16)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Sept. 27, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 3d day of November, 1910, and then opened for installing a heating and ventilating system in the new U. S. Post Office building, New York, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or at the office of the architects, Messrs. McKim, Mead & White, 160 Fifth Avenue, New York City, at the discretion of the Supervising Architect. Applications must be accompanied by a certified check for \$200, which will be held at this office until the return of the drawings and specification.—James Knox Taylor, Supervising Architect. (1815-16)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Oct. 3, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 16th day of November, 1910, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. Post Office at Chambersburg, Pa., in accordance with drawings and specification, copies of which may be obtained from the Custodian of site at Chambersburg, Pa., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1815-16)

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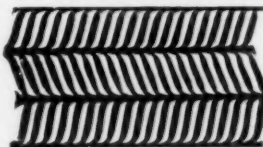
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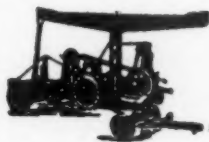
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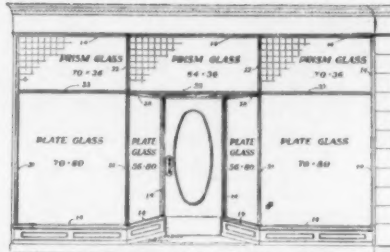
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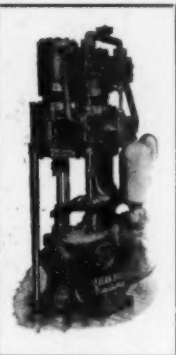
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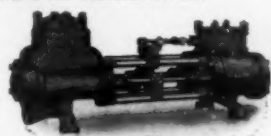
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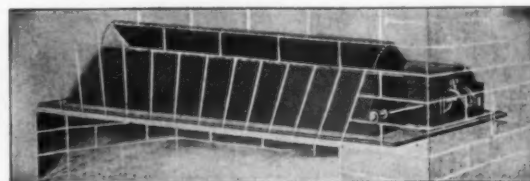
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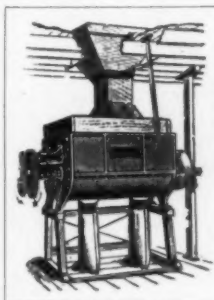


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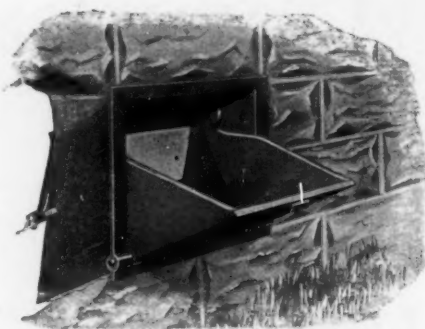
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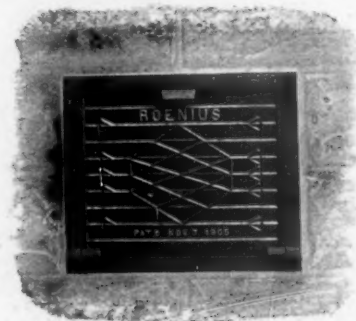
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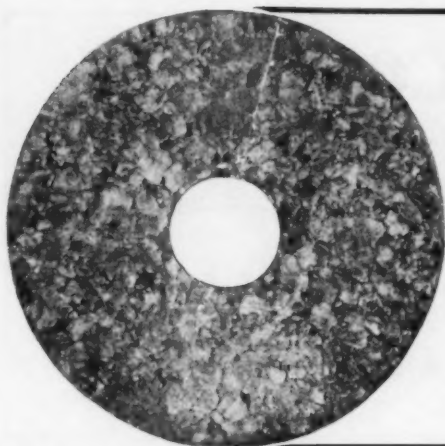
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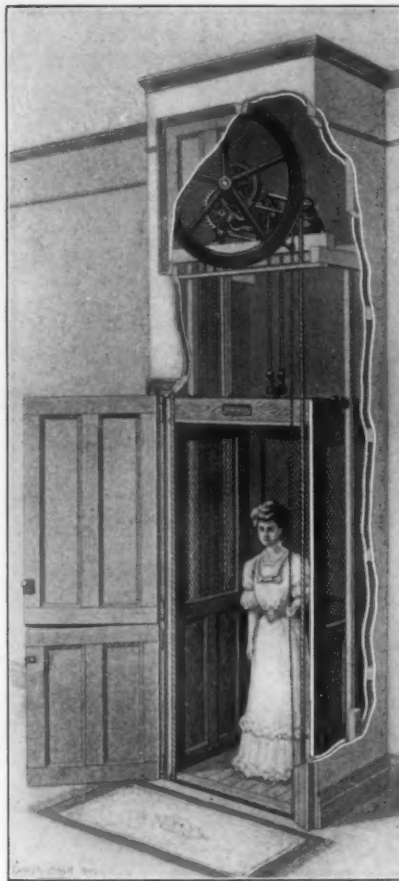
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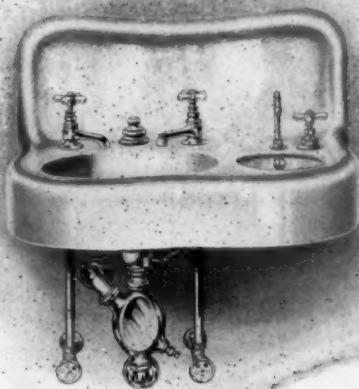


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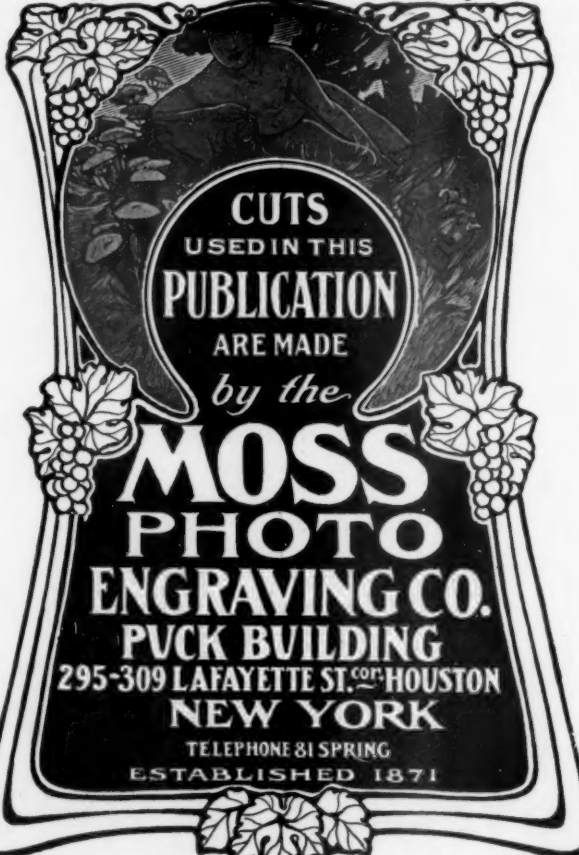
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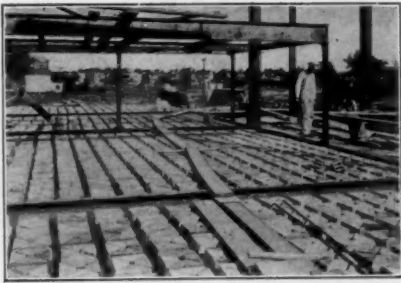
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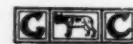
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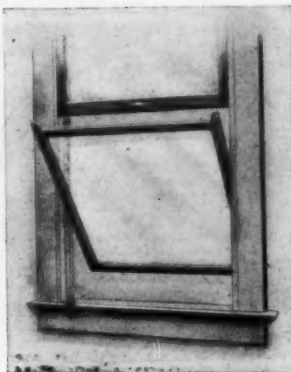
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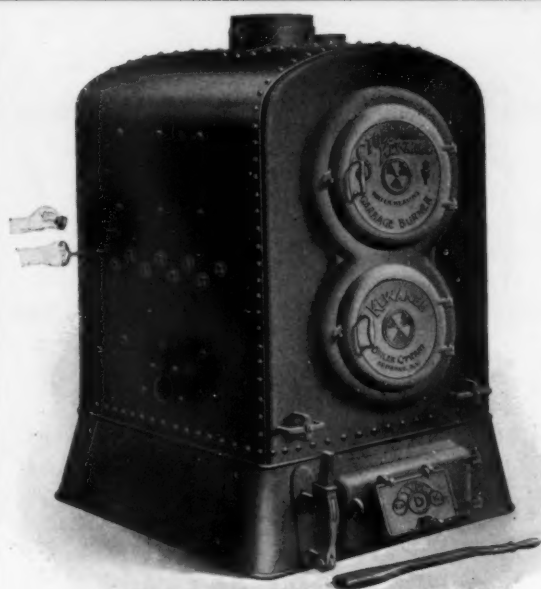
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COLORS: made of our beautiful **Unfading Green**, growing greener with age; our rich **Royal Purple**; our unique **Unfading Mottled Purple and Green**; our **Variegated Green and Purple**; our terra cotta **Red** as well as our **Grand Central Blue Black**, thus affording a variety of color effects to choose from—colors that harmonize with natural surroundings.

SIZE AND EXPOSURE is made for a "long to the weather" effect, representing the old colonial shingle as used years ago, thereby obtaining an effect decidedly differing from the roof slate appearance as also one that is most appropriate for this purpose.

BEAUTY, UTILITY AND STABILITY are combined to perfection in this siding. It includes the most beautiful natural color effects, requiring no painting or other expense to maintain its fresh appearance, thereby making a siding actually of less cost than wood.

SPECIFY the E. J. JOHNSON production $\frac{1}{4}$ " thick to obtain the perfect results we have worked out in this idea.

E. J. JOHNSON
38 PARK ROW NEW YORK
QUARRIER OF
ROOF SLATES,
BLACK, GREEN, PURPLE, RED
SLATE BLACKBOARDS
STRUCTURAL SLATE

Booklet and samples on application.

CLOW GASTEAM AND GASWATER RADIATORS

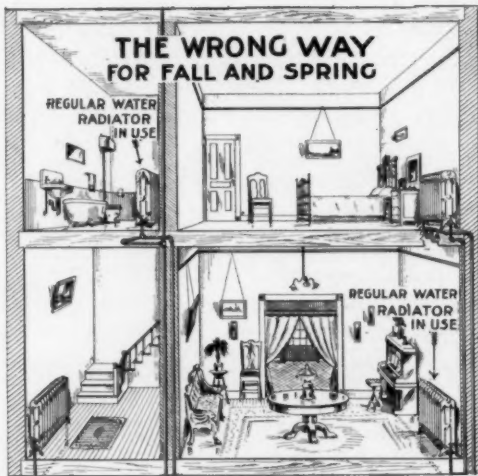


Clow
Gaswater
and Gasteam
Radiators

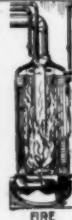


when made part
of an ordinary
steam or water
plant can be used
independently
with gas—

HENCE GREAT FUEL ECONOMY



In Fall and
Spring why
waste Coal to
heat two rooms?
Install CLOW



Combination
Gaswater and
Gasteam Radi-
ator in bath room
and sitting room

A match transforms it into an independent heater

Send for Booklet "L"

JAMES B. CLOW & SONS, Chicago

Not for economy only,
but because of its hard-
ness, durability, splendid
appearance and availa-
bility.

Yellow Pine Edge Grain Flooring

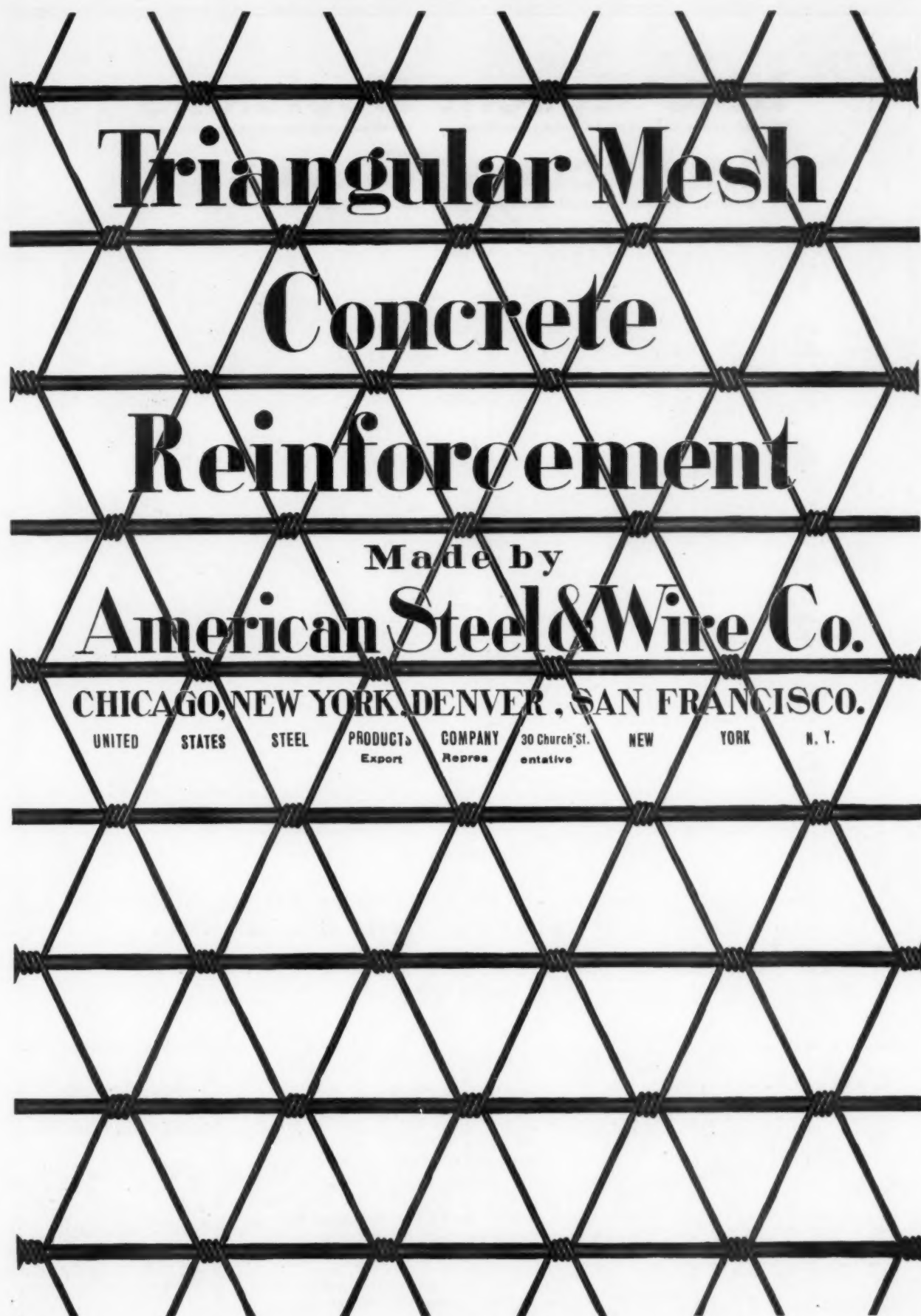
is the most desirable
flooring for general
purposes.

Its quality for high-class
buildings is demonstrat-
ed by the number of
such buildings in which
it is specified by archi-
tects who appreciate its
true worth; and its
durability by the floors
laid fifty years or more
ago, that are still in use
and in good condition.

It is manufactured in narrow
widths and long lengths, thoroughly
kiln-dried, and available at any
first-class lumber yard.

**Yellow Pine
Manufacturers'
Association**

Suite 707, Wright Building
St. Louis, Mo.



Triangular Mesh Concrete Reinforcement

Made by
American Steel & Wire Co.

CHICAGO, NEW YORK, DENVER, SAN FRANCISCO.

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STATES

STEEL

PRODUCTS
Export

COMPANY
Representative

30 Church St.
entative

NEW

YORK

N. Y.

Nine Recent Decisions in Vacuum Cleaning

- 1** May 31, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted a decree against Streeter Brothers, forbidding them from using a Vacuum Wall Brush which infringes the McCrum-Howell Patent. This suit was brought under one of the eighty-five vacuum patents which the McCrum-Howell Company controls.
- 2** July 7, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted a restraining order against the Pope Automatic Merchandising Co., and Clarence R. Pope, forbidding the manufacture and sale of the "Pope Electric Cleaner."
- 3** July 15, 1910: U. S. District Judge Carpenter, sitting in Chicago, after a full day's hearing, denied the motion of the Pope Automatic Merchandising Co., and Clarence R. Pope, to vacate Judge Kohlsaat's restraining order.
- 4** July 20, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, after a full hearing, granted the injunction asked against the Pope Automatic Merchandising Co., and Clarence R. Pope, manufacturers of the "Pope Electric Cleaner."
- 5** July 22, 1910: U. S. District Judge Morris, sitting in Duluth, granted a restraining order against the St. Paul Electric Co., and B. B. Downs, forbidding the manufacture and sale of the "Downs Electric Cleaner."
- 6** July 26, 1910: U. S. District Judge Amidon, sitting in Minneapolis, after a full hearing, granted the injunction asked against the St. Paul Electric Co., and B. B. Downs, manufacturers of the "Downs Electric Cleaner."
- 7** August 3, 1910: U. S. District Judge Denison, sitting in Grand Rapids, granted a restraining order against the Menominee Electric Co., forbidding the manufacture of Suction Cleaners in imitation of the **RICHMOND** Suction Cleaner.
- 8** August 16, 1910: U. S. District Judge Sanborn, sitting in Chicago, granted a decree against Streeter Brothers, users of a plant installed by a California company, enjoining the use of that plant because it infringes the Matchette Patent on Automatic Vacuum Control, now owned by the McCrum-Howell Co.
- 9** August 18, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted the Pope Automatic Merchandising Co., and Clarence R. Pope, permission to dispose of 1000 cleaners on hand *only on condition that a \$20,000 bond be given to protect The McCrum-Howell Co., and that each machine be plainly marked, "Not the Richmond Suction Cleaner manufactured by the McCrum-Howell Co."*

The McCrum-Howell Co., at a large expenditure, has brought together, under one control, all of the important Vacuum Cleaning patents.

Thus enabling the public, *for the first time*, to obtain in a single system all of the ingenuities of many inventors.

WARNING

All persons are warned that henceforth all authorized stationary vacuum cleaning plants will bear The McCrum-Howell Company license plate. Systems offered without The McCrum-Howell Company license are infringements and will subject not only the makers thereof but also the purchasers and those who use them to damage suits, which in all cases will be promptly instituted. Please be sure to look for The McCrum-Howell Company license plate, which is to be found in each case on the vacuum producing apparatus.

THE McCRUM-HOWELL Co.

GENERAL OFFICES:

Park Ave. and 41st St., New York City

Branches and Agencies in All Cities

MANUFACTURERS OF

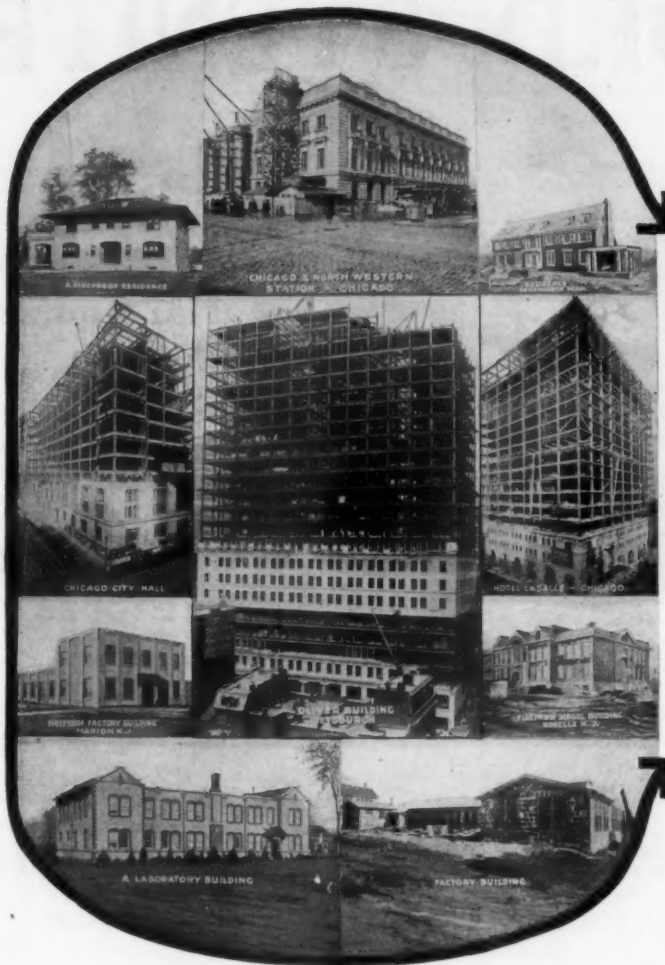
RICHMOND Heating Systems—**RICHMOND** Bath Tubs, Lavatories and Sanitary Plumbing Devices—**RICHMOND** Concealed Transom Lifts—**RICHMOND** Suds Makers—**RICHMOND** Suction Cleaners—**RICHMOND** Vacuum Cleaning Systems

FIVE PLANTS:

One at Norwich, Conn.—Two at Uniontown, Pa.—
One at Racine, Wis.—One at Chicago, Ill.

Notice to Architects

Architects and Engineers are invited to make free use of our engineering department in solving vacuum cleaning problems. We do not guess at any requirements—having a system of accurate tests for all machines. You are invited to visit our Department of Physical Research at the New York office and make your own tests.



A FEW illustrations of the variety of buildings fire-proofed by the material and methods of the

National Fire Proofing Company

The last few years have shown a most rapid development of the use of

Terra Cotta Hollow Tile

for fireproof construction of all kinds of buildings, large and small.

The economy, facility and safety of construction

of this material; its high insulating value and its flexibility for architectural expression have been clearly established in the building of hundreds of Residence, Factory, School, Club and similar types of buildings where it has been used not only for interior construction, but for exterior walls.

Our publications are at the service of anyone interested.

National Fire Proofing Company

The largest Company in the world devoted solely to the business of fire-proof construction in both Hollow Tile and Reinforced Concrete.

Organized 1889

Pittsburgh, - - -	Fulton Building	Canton, - - -	City National Bank Building
New York, - - -	Flat Iron Building	Cincinnati, - - -	Union Trust Building
Chicago, -	Commercial National Bank Building	Minneapolis, - - -	Lumber Exchange
Boston, - - -	John Hancock Building	Los Angeles, - - -	Central Building
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Washington, - - -	Colorado Building		

26 Factories in the United States

BRANFORD SYENITE

**The
Favorite
Granite
in
Monumental
Work**



**Harmonizes
Well
with
Statuary
Bronze**

JOHN D. WING MAUSOLEUM
Woodlawn Cemetery, New York
Hiss & Weeks, Architects
The Norcross Brothers Co., Contractors
Built of Branford Syenite

RETAINS THE HIGHEST POLISH

Has been selected for the pedestals of the most prominent statues unveiled during recent years such as Frederick the Great, Washington, D. C.; William McKinley, Adams, Mass.; Gen. William T. Sherman, Central Park, N. Y.; Gen. Joseph Hooker, State House Grounds, Boston, and George F. Hoar, City Hall Park, Worcester, Mass.

The Limit in Size Is Fixed Only by Transportation Facilities

Polished shaft in Battle Monument, West Point, 42' 6" high, 6' 0" in diameter.

Obelisk at Sault Ste. Marie, Michigan, 45' 0" high. 4' 6" x 4' 6".

Both these shafts are monoliths.

For Building and Monumental Work It Has No Equal

Branford Syenite was used in The Leeds Monument, Richmond, Ind.; Lee Mausoleum, Hyde Park, N. Y.; Armour Mausoleum, Woodlawn, N. Y.; Batcheller Mausoleum, Saratoga Springs, N. Y.

Send for the above-mentioned monuments in handsomely illustrated portfolio.

BRANFORD SYENITE QUARRIES

General Contractors

160 FIFTH AVENUE, NEW YORK

Otis Elevator Company

Calls Attention to the ESCALATOR (Moving Stairway) Installation in the New Pennsylvania Terminal, New York City.

This modern equipment effectually solves the problem of elevating large numbers of people from lower to upper levels. The ESCALATOR has a capacity of elevating twelve thousand persons per hour, safely, conveniently and without crowding.

The rapidly growing demand for ESCALATORS is one of the most interesting phases of transportation development to-day, promising for this safe and practical equipment a place of first importance among historic public utility inventions.

In addition to the Escalator, the Eleven Electric Traction Passenger Elevators and Six Electric Dumbwaiters were also designed and installed by this Company.

OTIS ELEVATOR COMPANY

17 BATTERY PLACE, NEW YORK CITY

Offices in All Principal Cities of the World.



THE KEWANEE SYSTEM OF WATER SUPPLY



Perfect Water Supply Service

The residences and bungalows illustrated on this page are provided with all the sanitary conveniences which would be possible with a good water supply service. In each, a liberal supply of running water is available at all plumbing fixtures and outside connections; and that supply has strong pressure behind it. This splendid water supply service is furnished by—



Residence of R. J. Bagby, New Haven, Mo.

The Kewanee System of Water Supply

In the Kewanee System, there is no attic or elevated tank to leak, freeze, overflow or collapse, or to mar the beauty of the scenery. Instead, a Kewanee Pneumatic Tank is placed in the **cellar** or buried in the **ground**. Water is pumped into this tank from any source of supply, with any good pumping power; and it is delivered to the fixtures by **air pressure**.

The Kewanee System is not an experiment—there are over 10,000 of our plants in successful operation. Every Kewanee System is thoroughly guaranteed—we take all the risk and responsibility.



Residence of Gen. H. O. Corbin. D. H. Burnham Co., Architects.

Mr. R. J. Bagby, whose residence is illustrated on this page, wrote: "The Kewanee System works perfectly and is satisfactory in every respect."

Rev. J. Wilbur Chapman, whose place is shown below says: "We are perfectly delighted with the Kewanee System which supplies our country house with water, and I wish again to thank you for sending me so fine an outfit."

Mr. B. M. Hord's compliment is this: "My Kewanee System is absolutely perfect."

Gen. H. O. Corbin said: "The Kewanee System works better than I thought possible—all like it very much."

Let us show you what we can do for **you**. We make no charge for our specifications and estimates. Our engineering department is at your service; and our broad practical experience will be of value to you.

Our illustrated catalogue will give you full information regarding the Kewanee System. It is free. Please mention this magazine when you write.

Kewanee Water Supply Company, Kewanee, Illinois.

1566 Hudson-Terminal Building, 50 Church Street, New York City.

1212 Marquette Building, Chicago, Illinois.

305 Diamond Bank Building, Pittsburg, Pa.



H. N. Edwards, San Jose, Cal.



Res. Dr. J. Wilbur Chapman, Winona Lake, Ind.



B. M. Hord, Nashville, Tenn.

Three Bungalows supplied with water by Kewanee Systems

RICHMOND CONCEALED TRANSOM LIFT

Concealed from the Eye

The mechanical simplicity of the RICHMOND Concealed Transom Lift makes possible its concealment from view leaving unobstructed the beauty of the door or window trim.

This device is installed upon the jamb before applying the trim. It is completely concealed, only the operating knob is visible.

Controlled by the Hand

To open or close the transom place one hand upon the knob and turn it until the transom reaches the angle required. As simple and easy as turning a door knob. As soon as you let go the knob the transom stops and cannot be moved again until the knob is again turned.

CAN BE INSTALLED WHEREVER TRANSOMS ARE USED

← **"Simply turn the Knob"**

Send for descriptive booklet

THE MC CRUM-HOWELL Co.

General Offices Park Ave. & 41st St., New York City

Branches and Agencies in All Cities

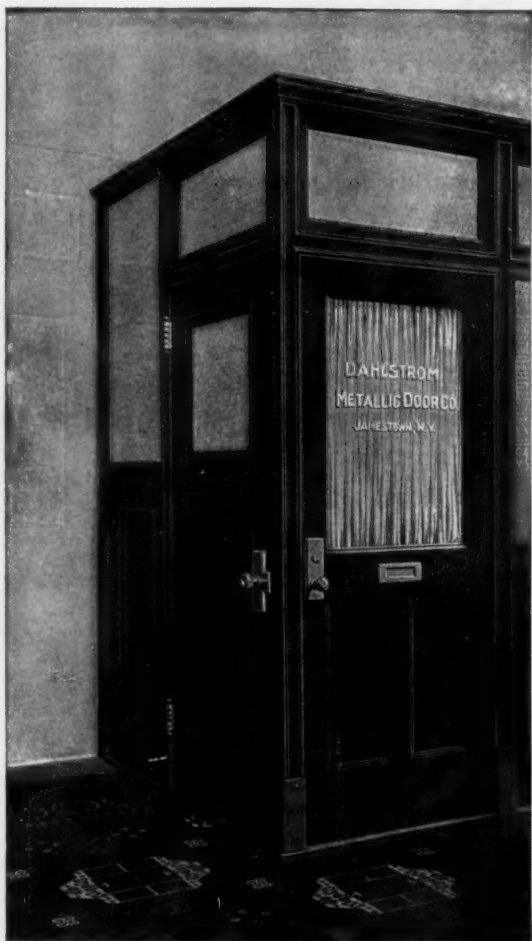
Manufacturers of RICHMOND Heating Systems. RICHMOND Bath Tubs, Lavatories and Sanitary Plumbing Devices. RICHMOND Concealed Transom Lifts. RICHMOND Suds Makers. RICHMOND Suction Cleaners. RICHMOND Vacuum Cleaning Systems.

Five Plants. One at Norwich, Conn.; Two at Uniontown, Pa.; One at Racine, Wis.; One at Chicago, Ill.

If it's "RICHMOND" it's right

“**The Passing of the Wooden Door**”

The Wooden Door is a back number—it doesn't fill the bill on modern high-grade construction either in appearance or in its utility. Verily, the days of the wooden door for fine buildings are numbered. It has been the vogue because there was nothing to take its place, not because it was right. Now comes the “Dahlstrom” All Metal Door and Trim and the wooden door goes into obscurity.



The “Dahlstrom” is a beautiful door without a particle of wood in its construction; that won't sag or shrink, swell, stick or call for constant adjustment; that is fireproof, strong and everlasting and that doesn't have to be varnished or waxed or something all the time.

Dahlstrom Metallic Door

Has been used and is part of the equipment of hundreds of the finest buildings in the country. Its finish is smooth and clean and made any way you want it, to imitate the natural woods or metals, or any solid color. It is adapted to any variety of style that you may desire.

May we send you further information so that you may be fully informed on “Dahlstrom” products to-day?

Dahlstrom Metallic Door Company
Jamestown, New York

PEERLESS RUBBER TILING

— CUSHION BACK —

The Most Durable and Economical
Floor Covering Made

BEAUTIFUL DESIGNS EFFECTIVE COLORINGS

Noiseless, Waterproof and Non-absorbent

¶ Peerless Rubber Tiling is made in large continuous sheets, and is impregnable to dirt and moisture.

¶ It is sanitary, beautiful and a durable rubber floor covering.

¶ Beware of cheap substitutions and imitations purporting to be sheet rubber tiling.

SEND FOR OUR CATALOGUE ILLUSTRATED IN COLORS.

PRICES ON APPLICATION.

MANUFACTURED EXCLUSIVELY BY

The Peerless Rubber Manufacturing Company

16 Warren Street and 88 Chambers Street

NEW YORK

Floors



Roofs

ATTENTION OF ARCHITECTS AND ENGINEERS

In specifying steel wire reinforcing for concrete, architects and engineers should be careful to place in their specifications this wording:

"At point of intersection between longitudinal and transverse wires there must be developed a strength one-half the equal of the transverse wire before the bond securing the longitudinal and transverse wires shall show any movement."

THIS IS THE CLINTON GUARANTEE

against movement of the Welded Wire in concrete. Wrapped or twisted wire bonds do *not* give this result.

CLINTON ELECTRICALLY WELDED WIRE

presents ALL the best features of all other wire reinforcements and NONE OF THEIR WEAKNESSES.

Specify Clinton Welded Wire, because it is the best.

CLINTON WIRE CLOTH CO.
CLINTON, MASS.

Collings

FIREPROOFING DEPARTMENTS

ALBERT OLIVER, 133 WEST 27th STREET, NEW YORK

SEATTLE: L. A. Norris, 909 Alaska Building
WASHINGTON, Rosslyn Supply Co., Colorado Building
CHICAGO: Clinton Wire Cloth Co., 30-32 River Street

SAN FRANCISCO: L. A. Norris, 835 Monadnock Building
BUFFALO, N. Y.: Buffalo Wire Works Co., Inc.
CLEVELAND, OHIO: Carl Herix, 428 Garfield Building

Partitions



The Trenton Potteries Company

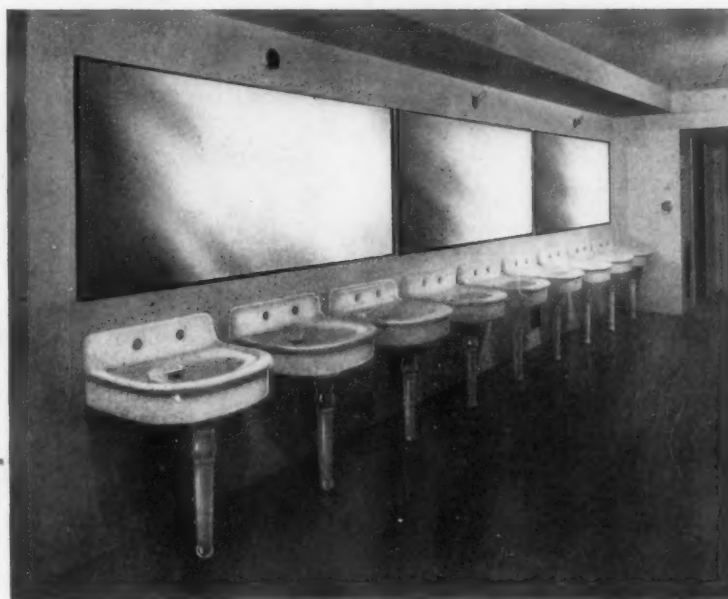
Stand Preeminent

as Manufacturers of

Superior Quality Sanitary Pottery

"IDEAL" Porcelain Bathtubs
Shower Receptors, Urinals
Kitchen Sinks and Tubs

"IMPERVIO" Vitreous Lavatories
Closets, Drinking Fountains
and Urinals



Section of Lavatories in Men's Main Toilet, Pennsylvania Station.

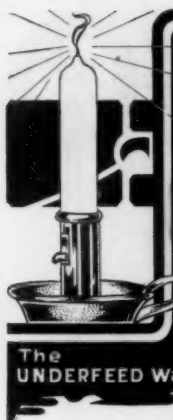
The Pennsylvania Station in New York City embodies the latest improvements in all branches of the building world. The Trenton Potteries Company with its enormous facilities and reputation for producing superior quality sanitary pottery was awarded the contract for making the special plumbing fixtures installed. Knowledge that such a semi-public building must not only make a fine appearance but also MAINTAIN it, led largely to the installation of our ware.

It is your business, Mr. Architect, to know what plumbing fixtures will render your client the best service on his investment. By its installation in all the large building operations of the present day, china earthenware is acknowledged the best material. In selecting the make, remember that the TRENTON POTTERIES COMPANY employ only the most skilled labor, use the best material and guarantee their goods by the "Star within the Circle" trade mark.



The Trenton
Potteries Company

Trenton, N. J., U. S. A.



UNDERFEED

Coal-Burning Way

How to make your HEATING PLANT

SAVE MONEY *for* YOU

WRITE FOR FREE BOOKLETS



"All fire *burns on top*. Smoke and gases—*wasted* in other furnaces and boilers—*must* pass through the flames, are *consumed* and make more heat."

This clearly explains the UNDERFEED coal-burning way. It is *not* a new principle. Take a candle, for instance. You don't light the *lower* end of the wick. That would smother the flame besides wasting the candle. Why should furnace fires be *smothered*? Millions of dollars spent for coal have been *wasted*—dollars which *could* easily have been saved by the UNDERFEED because, in years of experience, it has been clearly demonstrated that

The Peck-Williamson Underfeed

HEATING SYSTEMS WARM AIR STEAM-HOT WATER

FURNACES-BOILERS

Save $\frac{1}{2}$ to $\frac{2}{3}$ of Coal Bills

Pea sizes of hard and soft coal and *cheapest* slack, which could not be used in ordinary furnaces and boilers, yield in the UNDERFEED as much *clean, even* heat as highest priced coal. In the Underfeed all coal is *fed from below, not thrown on* the fire to smolder and cool off the furnace. The few ashes are removed by shaking the grate bar as in ordinary furnaces and boilers.

Architects of national reputation indorse the UNDERFEED. To install an Underfeed Heating Plant is to *add* to the renting or selling value of any building.

The UNDERFEED has proved that it *pays for itself* and then keeps on saving for you. One of the most cheerful believers in the Underfeed, is Dr. R. H. Goodrich, of Chamberlain, S. D. He *knows*, for he writes:

"My UNDERFEED furnace is over ten years old and it has never cost me a cent except for coal, and it is a coal saver."

We'd like a chance to send you a lot of fac-simile letters of similar praise-singing sort. All these and our Underfeed Furnace Book or Special Catalog of Steam and Water Boilers are FREE.

Heating plans and services of our Engineering Corps are FREE.

Write TO-DAY giving name of local dealer with whom you'd prefer to deal.

The Peck-WILLIAMSON CO.
433 West Fifth Street Cincinnati Ohio

This illustration shows the Underfeed Boiler.

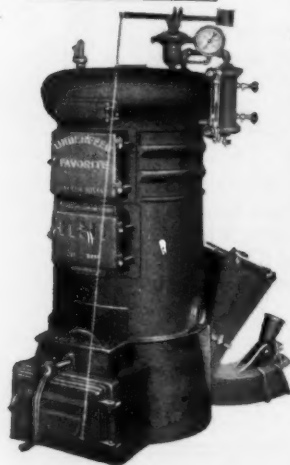
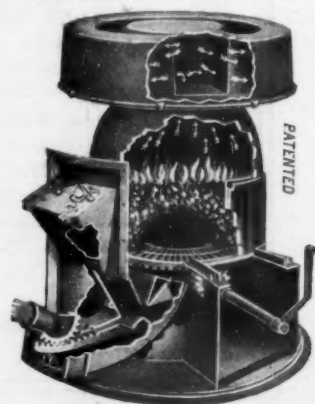


Illustration shows furnace without casing, cut away to show how coal is forced up under fire, which burns on top.





SKYLIGHTS OVER THE PENNSYLVANIA TERMINAL CONCOURSE

New Multiple Unit System of Puttyless Skylights for Buildings of Every Class

(Fully Protected by United States Patents)

Constructed of Rolled Steel Bar, Glass, Copper and Brass, without any packing or filling substance whatever—Glass and Metal Only.

Durable and Watertight—Unaffected by Expansion, Contraction or Vibration.

The entire skylight work to the New Pennsylvania Terminal, New York City, is of this System. The area, 80,000 square feet, includes nearly every known variety of skylights, flat, vertical, hipped, circular roof, sawtooths with bowed ridges, and guastavino lights with circular and also with elliptical bases—all of flat glass.

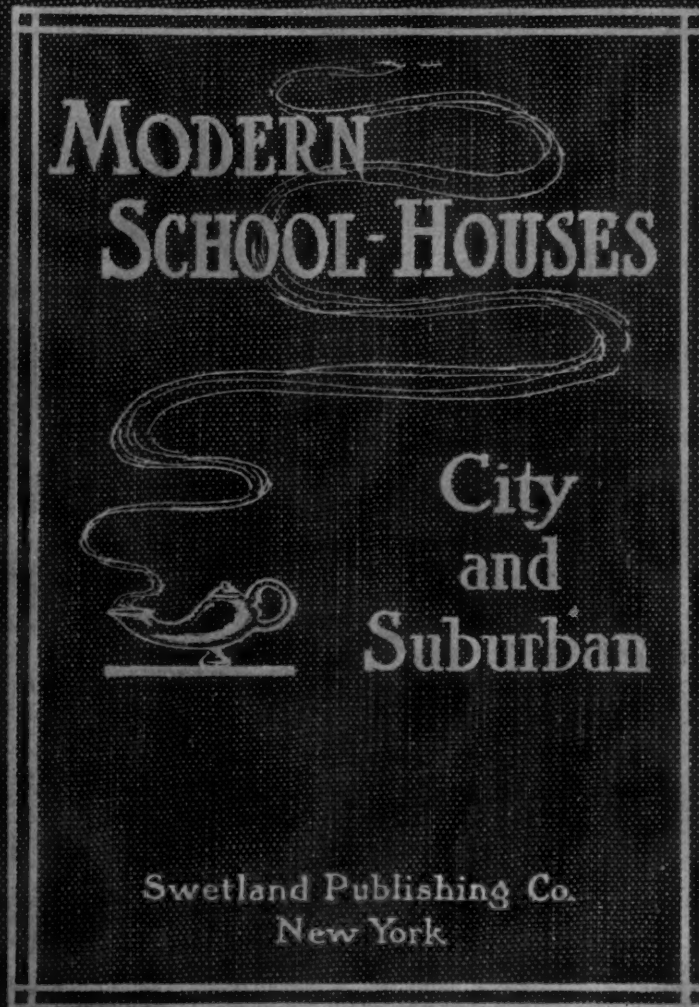
Estimates submitted on request

MANUFACTURED ONLY BY THE

National Ventilating Company

337-339 East 26th Street

NEW YORK CITY



Descriptive Circulars and Sample
Sheets sent on request. Address:

"BOOK DEPARTMENT."

THE AMERICAN ARCHITECT
239 West 39th St., New York

The Kernchen Ventilator

was not on the market when the Pennsylvania Station was planned, but —

Ventilation of Railway Stations and Train Sheds is a Specialty of the Kernchen Ventilator.



Type of Standard Ventilator.

The New
Chicago &
Northwestern
Terminal
Station,
Chicago



215 12" Kernchen Ventilators installed on this station. Contract awarded after competitive test, in which we not only proved "absolute exhaust" but showed 150% more efficiency.

16 36" Copper Kernchen Ventilators on the La Salle Street Station, Chicago.

The Kernchen Ventilator has but recently been introduced on the American Market. It is a German invention and is the standard ventilator of Europe. Its superiority to any ventilator in the market is so marked that there really is no comparison. It has carried off the honors in every competitive test in which it was entered, and has met with unqualified approval everywhere it has been installed or shown.

We claim to have the only "absolute exhaust" Ventilator on the market. It is positively storm proof. No movable part to clog or get out of order. It can be used as a chimney top and as such will absolutely increase the draft and furthermore eliminate the backing up of smoke.

Since its introduction five months ago the Kernchen Ventilator has been adopted by many notable concerns, of which the following are examples: Allis-Chalmers Co., Milwaukee; Armour & Co., International Harvester Co., Sears-Roebuck, Standard Brewery, Wellington Hotel, Chicago; Orpheum Circuit, five of their theaters.



The Kernchen Cinder-Proof Ventilator for Railway Cars, absolute exhaust and storm proof; to which is called the attention of railway officials who may read this number of the American Architect.

MANUFACTURED BY

Kernchen Improved Ventilator Co.
954 Peoples Gas Building
CHICAGO



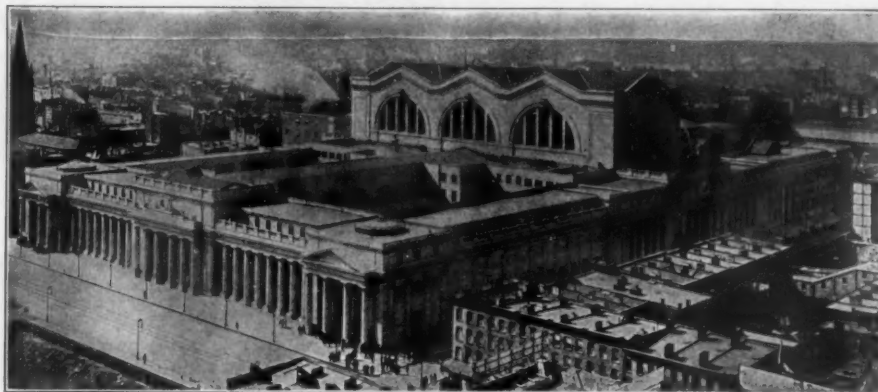
THE above photograph shows a portion of the Concourse ceiling of the new Pennsylvania Terminal, McKim, Mead & White, Architects, the constructive work of the domes and the glazed finish being in Guastavino Tile Work. This style of construction is being extensively used in railway terminals throughout the country, among which may be mentioned the new C. & N. W. Terminal at Chicago, just completed, and the terminal at Birmingham, Ala., finished last year.

R. GUASTAVINO COMPANY

Boston Office
Old South Building

Factory
Woburn, Mass.

New York Office
Fuller Building



PENNSYLVANIA RAILROAD STATION, NEW YORK

Architects, McKim, Mead & White

Builders, George A. Fuller Company

George A. Fuller Company

Building Construction

Builders of over two hundred and fifty
fireproof structures in the principal cities
of the United States, aggregating in cost
over \$300,000,000.00

TRINITY BUILDING, NEW YORK

Chicago

Boston

Pittsburgh

Baltimore

Washington

San Francisco

Atlanta

Philadelphia

Ottawa

Chattanooga

Kansas City



Largest Sugar Refinery in the World

ANY group of commercial buildings that are described as the "largest in their class" are practically sure to carry Barrett Specification Roofs.

The problems of costs and maintenance of such large areas bring into clear relief the economy of roofs of this type.

A Barrett Specification Roof is made of five alternate layers of "Specification" Tarred Felt cemented with "Specification" Pitch, with a top surface of gravel, slag or tile.

The Barrett Specification prescribes with exactness the correct and practical way of using these materials so as to obtain maximum durability at minimum cost.

The cost per year of service is far

lower for these roofs than for any other type, owing to their long life and freedom from painting and other maintenance costs.

The above illustration shows the American Sugar Refinery at New Orleans. It is the largest sugar refinery in the world, costing \$4,000,000 with a roof area of about 500,000 square feet.

A Barrett Specification Roof was decided upon because the experience of 25 years which the American Sugar Refinery Co. had with similar roofs, had been most satisfactory, and because they knew that such roofs never needed painting or coating like metal or ready roofings.

Booklet and further information will be sent free on request.

BARRETT MANUFACTURING COMPANY

New York
Pittsburg

Chicago

Philadelphia
Minneapolis

Boston
Kansas City

St. Louis
New Orleans

Cleveland

Cincinnati
London, Eng.



THE CHEAPEST REINFORCEMENT— AND BEST!

The superiority of the Kahn Trussed Bar has never been questioned, so that we can say "cheapest" and be understood. Increased facilities and improved machinery enable us to sell Kahn Trussed Bars at a price which literally compels you to buy them.

Forget every admitted advantage of the Kahn Trussed Bar—consider it strictly from a dollars-and-cents standpoint, and you will find that its use actually *saves you money*. IN SIMPLE PLAIN ENGLISH: WE HAVE THE CHEAPEST BAR ON THE MARKET AND WE ARE READY TO PROVE IT.

Kahn Trussed Bars save steel, because the shear members are formed from the flanges of the main bar which are ordinarily wasted, and thus do away entirely with the expense of loose stirrups.

Kahn Trussed Bars save labor of installing many loose bars, because the shear members and main bar are handled as one piece.

Kahn Trussed Bars safeguard your structure, because the rigidly connected shear members make its strength independent of the adhesion of the concrete, which may be destroyed by fire, shock or careless workmanship.

Kahn Trussed Bars make beams 20 per cent. stronger than where loose stirrups are used, as proven by University Tests.

INSIST ON RIGID CONNECTION OF SHEAR MEMBERS



KAHN TRUSSED BARS

Use your own standard to measure us by: high quality, low price, prompt shipment, engineering service, long experience, extensive use, etc.; convince yourself of the absolute facts. Whether you use one hundred pounds or a thousand tons, you must be interested in our proposition. Whether you do your own designing or want the Kahn System engineers to do it for you, we are ready with the proofs

Kahn System Products cover the concrete field completely:
HY-RIB, a self centering reinforcement for Floors, Walls, Roofs, Partitions, Ceilings.
RIB METAL, for Slabs and Conduits.
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 COLUMBUS, OHIO, William Piez, 616 Col. Sav. and Trust Bld.
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 KANSAS CITY, MO., Louis Baum, 615 Bryant Building
 LANCASTER, PA., J. H. Wickersham
 LOS ANGELES, CAL., J. E. Heber, 703 Central Building



LOUISVILLE, KY., Craven & Knighton, 133 Sixth Street
 MILWAUKEE, WIS., I. S. Leland, 733 Wells Building
 NEW ORLEANS, LA., Chambers-Morris Co., 215 Godchaux Bld.
 NEW YORK CITY, Hermann Fougner, 25 Madison Square N.
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 ROSWELL, NEW MEXICO, Reed & Wilson
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New York Budget Exhibit

The Budget Exhibit which was opened at Broadway and Worth street on October 3, under the direction of the municipality of New York, contains much that is of direct interest to the architect. The activities of the Art Commission, the Park Commission, the Bureau of Buildings, the work of the architect to the Board of Education and the Board of Health, are among those which deserve special study, as the exhibits are of a very practical character. The enterprise is undertaken by the municipality for the purpose of explaining and justifying to the taxpayers of the City of New York the budgets of the Board of Estimate and Apportionment for the year 1911.

It ought not only to accomplish its original purpose but to serve an even more useful end in familiarizing citizens with the magnitude of the organization and equipment of the municipality.

The great interest of the exhibits themselves and of the illustrated explanatory talks by heads of departments, bureaus and divisions, is attracting a large attendance. The exhibition closes on October 28.

Harmonizing Fifth Avenue—Report of an Interview with Mr. John M. Carrère

At the request of the Fifth Avenue Association, Mr. Arnold W. Brunner, president of the New York Chapter, A. I. A., has appointed a committee consisting of Mr. John M. Carrère, Mr. William M. Kendall and himself to recommend regulations for the future architectural embellishment of Fifth Avenue.

The *New York Evening Post*, of October 5, reports the following interview with Mr. Carrère:

"For some time," said Mr. Carrère, "I have been giving considerable thought to the subject of influencing the development of architecture in the Fifth Avenue district on the lines of beauty, order, and harmony, and trying to devise some practical means of accomplishing this purpose. I am convinced that no ordinances, laws, or other restrictive or compulsory methods would be successful, but I do believe that all that is necessary in this instance, as in many others, is to bring the matter to the attention of the public in some suggestive form that will be helpful, and that will tend toward the ultimate accomplishment of the purpose by interesting owners and architects, and giving them some kind of an incentive and a programme.

"There is no question that, without establishing any arbitrary set of rules or restrictions, and without interfering with vested rights or personal prerogatives, we could gradually arrive at a consensus of opinion on certain fundamental features of the problem. For instance, it is obvious that it would be desirable that all buildings on Fifth Avenue should be built of stone to the exclusion of brick, terra-cotta, and other materials of less dignity; also that without prescribing any one kind of stone, the general harmony would be enhanced if the selection were confined to stones of light color, whether granite, marble, limestone, or other varieties, so that without absolute uniformity and monotony there would be general harmony.

"Some restriction as to the height of buildings would,

of course, be essential, but this need not mean a uniform cornice height. I should rather suggest a certain relation between the height and width of any one building so that each structure would be agreeable in proportion.

"This might, perhaps, lead to a better realization of the very important consideration, which has been so often neglected with us, of the necessity for some attempt to harmonize adjacent buildings, or buildings in one block or in one street, with one another so that the general effect will be enhanced, as no matter how beautiful a building may be it does not improve the neighborhood if it jars with all the other buildings in the perspective.

"Perhaps it would not be amiss to suggest some restrictions as to style, not as to periods, but as to tendencies. I merely mention these few suggestions to indicate the general trend of my thought on the subject."

Special Meeting San Francisco Chapter of the A. I. A.

At a special meeting of the San Francisco Chapter of the American Institute of Architects, held on September 15, an address was made by U. S. Senator Francis G. Newlands, an honorary member of the Institute, regarding a proposed site for the Panama-Pacific International Exposition. A large attendance of architects and invited engineers listened to Senator Newlands.

University of Texas to Form a Department in Architecture

It is announced that beginning with the season of 1910-11 the University of Texas will include in its curriculum training in architecture. The course will be four years and the department under the charge of Prof. Hugo F. Kuehne.

Brooklyn Chapter A. I. A. Monthly Dinner

At the last regular monthly dinner of the Brooklyn Chapter, A. I. A., held at the Hamilton Club, the topic under discussion was the Economical Aspects of City Planning. Mr. Benjamin C. Marsh was the principal speaker.

City Architect of San Francisco Killed in Automobile Accident

James L. Fisher, city architect of San Francisco, Cal., was instantly killed on September 29, when an automobile, in which he was riding, was overturned.

State Association of Texas Architects to Meet in November

The State Association of Texas Architects will convene in San Antonio during the second week in November. The activity in the profession during the past two years has resulted in a stronger and more useful organization than ever before. The coming convention is looked forward to with interest and the results are expected to be of much importance.

Professor Prévot to be Associate in Architecture on Faculty of Columbia University

Mr. Maurice J. Prévot, director of the Atelier Prévot, has accepted the position of associate in architecture at Columbia University. Professor Prévot will have charge of the advanced work in design.

Report by the United States Geological Survey on Cement Production

The United States Geological Survey has just published a report on the cement industry in the United States in 1909, by E. F. Burchard, which shows the production of all kinds of cement, the imports and exports, and the recent development in the industry. This report forms an advance chapter of the volume, "Mineral Resources of the United States, Calendar Year 1909," and can be had free by applying to the director of the survey at Washington.

The report includes notes on white Portland cement, on cement as a road material, on cement in art and architecture, on paints for cement, and also sections on cement materials in the Philippine Islands, and on cement making in Canada, as well as lists of papers on the cement resources of parts of the United States and of the survey's publications on cement and cement and concrete materials.

A Letter from the Supervising Architect of the Treasury Department

EDITORS THE AMERICAN ARCHITECT:

Information is received that your publication of the 21st ultimo states that copies of standard specifications for plumbing fixtures prepared for use of the Treasury, War and Navy Departments may be procured upon application to this office. As the supply furnished is not for general distribution, and copies have been given only to manufacturers of plumbing goods who desire to bring their product into line with the requirements of the specification, this office will appreciate a statement to this effect in your next issue, so that the architects and others may be spared the trouble of making a request which the office is obliged to decline.

It is possible that copies can be obtained by applying to the Government Printing Office.

JAMES KNOX TAYLOR,
Supervising Architect.

INDUSTRIAL

Bone China Specialties

The Trenton Potteries Co., Trenton, N. J., have recently issued a pamphlet illustrating a line of fittings which they style "Bone China Specialties." This pamphlet shows a number of bathroom interiors fitted with these specialties and will be useful as indicating the latest advance in the equipment and furnishing of this most important room in the modern dwelling.

The pamphlet will be forwarded on request.

Sash Fixtures

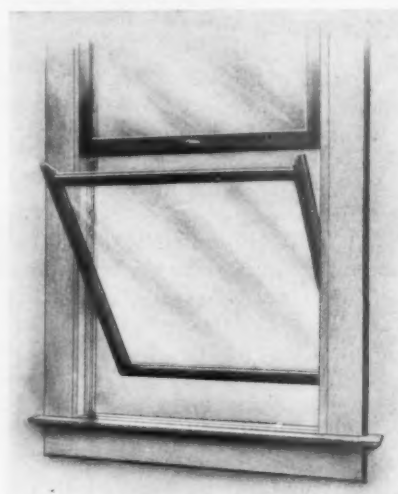
The Tabor Sash Fixture Co., No. 61 Polk Street, Newark, N. J., have sent us a pamphlet in which are printed letters of endorsement from owners of buildings, which have been equipped with Tabor sashes and window devices. This company state that they are consulting experts on window equipment, and desire to correspond with architects in the solution of problems that may arise in window installations.

A Sanitary Locker and Medicine Cabinet

A new type of locker for bath rooms made throughout of smooth annealed steel and enameled inside and outside with white baked enamel is manufactured by the Hess Warming & Ventilating Co., 906 Tacoma Building, Chicago. The shelves, which are adjustable, can be supplied in either steel or plate glass. The door has a heavy plate mirror, either plain or bevelled. This locker, while generally used in bath rooms of houses and apartment buildings, is, it is claimed, adaptable to any place or toilet room, and, on account of its metal frame and non-absorptive surface, is a sanitary and desirable fixture.

Reversible Windows

The Pacific Sash Co., whose main offices are at 245 California street, San Francisco, Cal., have since 1902 manufactured Dean Reversible Windows. In an illustrated catalogue, recently issued, these reversible windows are described and illustrated. Their merits appear to be worth investigation.



The principal feature of the Dean reversible window is that it can be raised or lowered the same as an ordinary window, but can also be turned inside out. The advantages of this feature in cleaning and readily ventilating are apparent.

The makers claim that these windows when closed are air and watertight, that they will never stick nor jam, and that when open to the desired angle they are self-locking and will remain in any position placed.

Many other advantages are set forth in the pamphlet referred to. It may be had on application.

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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BIRMINGHAM.—Hotel Hillman Construction Co. is considering erection of addition. M. V. Joseph, President.

DEMOPOLIS.—Bids will be received until 3 p. m. Nov. 7 for erection of proposed postoffice. Jas. Knox Taylor, Washington, D. C., Supervising Architect Treasury Department.

MOBILE.—New Orleans, Mobile and Chicago Railroad will erect \$50,000 depot at Charleston and St. Emanuel Sts. Plans accepted by President L. S. Berg.

MONTGOMERY.—Bids have been rejected for erection of proposed Masonic Home. New bids will be received Oct. 17. A. B. Bloch, Mobile, is interested.

RAINER.—Baptist Church will erect edifice. Rev. W. J. Elliott, Pastor.

SELMA.—Tennessee Chemical Co., T. G. Tinsley, Nashville, Tenn., President, will erect \$150,000 fertilizer plant.

ARKANSAS

MARION.—Crittenden County will erect \$100,000 court house. Chamberlain & Co., Duke Bldg., Birmingham, Ala., architects. H. A. Morrison, Chairman, Commissioners.

CALIFORNIA

BAIRDSTOWN.—Commissioned to draw up plans and specifications, Frederick Noonan, architect, South Pasadena, is preparing outlines for \$20,000 school building to be built in Farndale School District.

HAYWARD.—Board of School Trustees is considering erection of two schools at cost of \$12,000.

LOS ANGELES.—Plans have been drawn by Hunt & Burns for College Theater, which Dr. West Hughes will erect on Hill St.

OAKLAND.—Citizens will vote in Dec. on \$1,500,000 bonds to improve public school system.

OROVILLE.—Plans are being prepared for erection of Northern Electric depot. Melville Dozier, assistant general manager.

PASADENA.—Harold D. Dale will erect \$5,500 residence on Brooklyn Ave.

POMONA.—D. R. Donnan will erect business block at Second and Gordon Sts.

SACRAMENTO.—D. O. Mills Bank will erect building at Seventh and J Sts.

SAN FRANCISCO.—Architect Walter D. Bliss is considering erection of residence at Vallejo and Lyon Sts.

SAN FRANCISCO.—Architect C. O. Clausen has prepared plans for erection of apartment house at Hyde St. for J. Jaussaud.

SUTTER CITY.—Union High School District is considering election on \$30,000 bonds to erect high school.

COLORADO

PUEBLO.—Prof. J. E. Allen, Kansas City, has purchased site near this city for erection of industrial school.

CONNECTICUT

BRIDGEPORT.—Architect T. F. Kelley is preparing plans for erection of three-family house on Beechwood Ave. for John Miller, 226 Olive St.

Architect F. A. Cooper, 1217 Main St., has prepared plans for erection of number of residences.

NEW BRITAIN.—Turner Society has adopted plans for erection of \$45,000 building, work to begin in the Spring.

NEW HAVEN.—Jos. E. Hubinger is considering erection of theater at 89 Orange St.

NEW HAVEN.—Plans are being drawn for rebuilding of the brick block at Church and George Sts., owned by A. F. Wood's Sons.

DISTRICT OF COLUMBIA

WASHINGTON.—Plans have been approved by President Taft for erection of proposed \$3,000,000 postoffice. D. H. Burnham & Co., Chicago, architects.

FLORIDA

LIVE OAK.—Catholic Congregation will erect edifice on Pine St.

PENSACOLA.—W. L. Lett will erect residence in Englewood Heights.

TAMPA.—Bids will be received until 10 a. m., Oct. 18, for erection of high school. L. W. Buchholz, Secretary Board of Public Instruction.

Bids will be received until noon, Oct. 25, for erection of Tampa Union station. J. F. Leitner, Wilmington, N. C., architect. C. H. Hix, President Tampa Union Station Co.

YBOR CITY.—Baptists of this and Gary sections are about to erect church on Sixth Ave. Shaw & Jay, architects.

GEORGIA

COLLINS.—Bids will be received until Oct. 17 for erection of two-story school. J. B. Kenneby, Mayor.

MACON.—County Commissioners are having plans drawn for erection of two-story annex to jail.

MAON.—Thos. W. Troy and others are considering erection of mahogany and hardwood furniture factory.

WASHINGTON.—Wilkes County is considering erection of \$12,000 jail. J. W. Callaway, Commissioner of Roads, is interested.

ILLINOIS

CARMI.—Plans by Liese & Ludwig, Danville, have been approved for erection of \$30,000 country home.

CHICAGO.—Architect John A. Nyden, 109 Randolph St., is preparing plans for a \$55,000 apartment building at Argyle and Kenmore Aves.

CHICAGO.—Simon L. Marks, of H. M. Marks & Co., is considering erection of seven-story mercantile building at Jackson Boulevard and Aberdeen St.

CHICAGO.—C. S. Peterson and J. L. Regan are considering erection of fourteen-story \$250,000 building at 87 Plymouth Place.

John S. Holmes will erect twelve-story apartment building, cost \$60,000, on Marquette Terrace.

McGurie & Orr soon will begin the construction of a two-story and office building, at Sheridan Road and Central Ave., Highland Park, the cost of which will be \$27,000.

Fritz Foltz, 140 Dearborn St., has completed plans for large manufacturing plant to be erected for Col. H. Dupont, at Twenty-second and Union Sts.

DE KALB.—DeKalb County will erect jail and sheriff's residence.

MT. CARMEL.—Bids will be received until 8 p. m. Oct. 15 for erection of Knell Fraternity Hall, for Masonic and Odd Fellows' Lodges. Chas. Henry & Son, Akron, O., Architects; J. M. Mitchell, Chairman Building Committee.

INDIANA

ALEXANDRIA.—J. E. Sherman is considering erection of residence next spring on East Church St.

ANDERSON.—Harry Parsons is considering erection of transfer and storage barn at Morton and Tenth Sts.

ELKHART.—Architect E. Hill Turnock has prepared working plans for erection of proposed high school. Bids will be asked about Dec. 1.

Trinity M. E. Church is considering either erection or purchase of parsonage. Rev. W. B. Farmer, pastor.

INDIANA HARBOR.—M. E. Church will be erected this year at cost of \$35,000.

INDIANAPOLIS.—Executive Board of the Methodist hospital, Charles W. Fairbanks, chairman, has directed Vonnegut & Bohn, architects, to prepare at once plans for \$100,000 pavilion to be erected on north side of present building.

LOGANSPOUT.—Christian Scientists have decided to erect \$30,000 edifice at Ninth and North Sts.

MARION.—Lew Sharon will erect residence on West Fifth St.

TERRE HAUTE.—Terre Haute, Indianapolis & Eastern Traction Co. is considering erection of terminal station.

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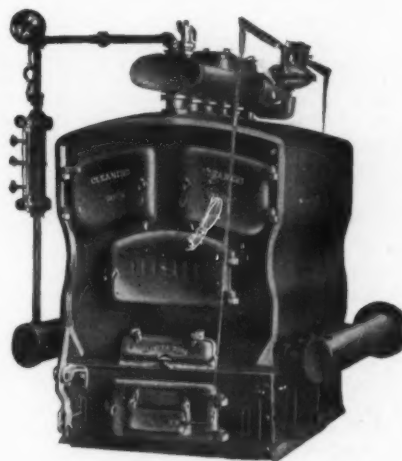
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IOWA

DES MOINES.—The Burlington railroad will probably build its \$50,000 freight house, two blocks in length, under new Seventh St. viaduct.

MASON CITY.—Colby Motor Co. will erect five-story factory. T. H. Henry, Manager.

WATERLOO.—Board of Supervisors is considering plan to erect a soldiers' memorial hall; also a hospital on county farm for care of certain insane patients.

KANSAS

ATCHISON.—B. P. Waggener will erect five-story \$75,000 office building.

COFFEYVILLE.—Erection of \$30,000 armory for Company K is being considered. Capt. McCrum is interested.

LAWRENCE.—The student council at University of Kansas is urging erection of \$15,000 clubhouse on the college campus.

MERRIAM.—Citizens have voted \$20,000 bonds to erect high and grade school.

KENTUCKY

LOUISVILLE.—Plans have been prepared by Architect John Bacon Hutchings, Columbia Bldg., for erection of fifteen-story office building at Fifth and Jefferson Sts. A. E. Mueller is interested.

LOUISIANA

KENTWOOD.—Bids will be received until Oct. 15, for erection of school. R. H. Hunt, Chattanooga, Tenn., architect. Wm. D. Welsh, mayor.

MONROE.—Ouachita Parish Police Jury is considering either repair or replacing of present jail.

MARYLAND

BALTIMORE.—Maryland Casualty Co. will erect addition and tower at cost of \$1,000,000. O. G. Simonson is preparing plans. John T. Stone, President.

Architects Collis & Collis, 2000 St. Paul St., are preparing plans for erection of store and office building for Globe Furniture Co.

Chas. J. Burdette will erect fifteen two-story dwellings, cost \$18,000, on Lemmon St. J. F. Gerwig, 210 E. Lexington St., architect.

BALTIMORE.—Bayard Turnbull, Architect, 12 E. Lexington St., has finished plans for residence to be erected at Hampton for John Ridgeley, Jr.

Homewood Apartment Co. will erect six-story apartment house at Charles and Thirty-first Sts. Glidden & Fritz, Architects.

BALTIMORE.—Wyatt & Nolting, architects, Keyser Bldg., have finished plans for improvements to Johns Hopkins Hospital, to cost about \$12,000.

MASSACHUSETTS

BOSTON.—The College Club, 40 Commonwealth Ave., will erect modern building on Commonwealth Ave.

HOLYOKE.—Plans have been prepared by Ellsworth & Howes, 365 Dwight St., for erection of five apartment houses on Sargent St., for Richard Taubert, Oakdale.

PITTSFIELD.—Plans will be prepared for erection of \$60,000 school on Onota St.

NORFOLK DOWNS.—Plans have been completed by Joseph C. Schaeffler & Co., architects and engineers, 73 Tremont St., Boston, for \$30,000 fireproof factory building to be erected for the S. H. Couch Electric Co.; general contract to the C. A. Dodge Co.

SALEM.—Stanley Co., F. L. Stanley, 79 Milk St., Boston, President, will erect factory in this city.

SPRINGFIELD.—Plans have been completed by Joseph C. Schaeffler & Co., architects and engineers, 73 Tremont St., Boston, for eight-story and basement warehouse covering 18,750 sq. ft.; general contract has been awarded to Concrete Engineering Co.; building will be erected entirely of reinforced concrete.

MICHIGAN

BATTLE CREEK.—Robert Seyforth, 206 La Salle St., Chicago, Ill., has been commissioned to prepare plans for three-story building for the Postum Cereal Co., C. L. Post, President.

DETROIT.—Board of Education is making preliminary arrangements for erection of a number of school buildings, including high school, cost \$125,000; two 16-room schools, \$75,000 each; one 12-room school, \$50,000; one 18-room school, \$85,000.

and three additions, \$90,000; total, \$500,000. Wm. J. Lee, 50 Broadway, Secretary; Malcomson & Higginbotham, 404-5 Mof-fat Bldg., Architects; Amerman, McColl & Anderson, 1330 Penobscot Bldg., Engineers.

Abbott Motor Co., Warren, O., will erect factory in this city.

Architects Stratton & Baldwin, 1101 Union Trust Bldg., are preparing plans for erection in spring of \$1,000,000 building for Detroit General Hospital Association, at Hamilton Ave. and W. Grand Boulevard.

ESCANABA.—Bids will be received until 5 p. m. Oct. 18 for erection of Fire House No. 3. Charlton E. Kuenzli, Milwaukee, Wis., Architect. M. J. Lyons, City Clerk.

GRAND RAPIDS.—Holland-American Aid Society will erect \$30,000 hall on Ottawa St.

LANSING.—State Board of Agriculture has decided to ask appropriation of \$250,000 from next legislature, with which to erect central administration building to contain a large auditorium and suitable quarters for college library and about \$40,000 to erect new dormitory at State Agriculture College.

SAGINAW.—Shattuck & Hussey, 153 La Salle St., Chicago, Ill., have been commissioned to prepare plans for \$50,000 brick and stone Y. M. C. A. building. H. S. Markell, Secretary.

MINNESOTA

BEMIDJI.—The Soo and Minnesota & International Railroads will erect \$20,000 depot.

HIBBING.—Bids will be received for erection of proposed detention hospital. Plans by Ellerbe, Round & Sullivan, St. Paul.

MINNEAPOLIS.—Board of Regents of Minnesota University has adopted plans submitted by Architect Clarence Johnston, Manhattan Bldg., St. Paul, for engineering building and shop, a new Millard hall and anatomy building.

PROCTOR.—M. E. Congregation will erect \$12,000 edifice. Anthony Puck, Duluth, architect. Rev. Chas. W. Ramshaw, pastor.

MISSISSIPPI

LUCEDALE.—Chamberlin & Co., Duke Bldg., Birmingham, Ala., are preparing plans for erection of proposed court house and jail.

MISSOURI

DESLUGE.—Bids will soon be asked for erection of \$33,000 school. H. H. Hohenschild, 604 Chestnut St., St. Louis, Architect.

KANSAS CITY.—W. N. Munroe, Auburn, Me., is considering erection of building at Eighth and Main Sts.

Jos. D. Fisher and W. A. D. Everall will erect \$35,000 theater at 2325 Troost Ave. Carl Boller, Gayety Theater Bldg., Architect.

KANSAS CITY.—Bids will be received Oct. 20 for erection of addition to Greenwood School at Twenty-seventh St. and Cleveland Ave.

KANSAS CITY.—E. S. Donaldson is considering erection of office building.

All Night and Day Bank is considering erection of ten-story office building at Twelfth St. and Baltimore Ave. A. C. Jones, Jackson, Miss., will finance project. C. A. Bonds, president.

ST. LOUIS.—Architect Chas. Breitschuh, Howard Bldg., is preparing plans for erection of store and flat building at Ohio and Potomac Sts.

NEBRASKA

HASTINGS.—Presbyterian Church has appointed Committee, W. F. Buchanan, Chairman, to consider plans for erection of edifice.

NEW HAMPSHIRE

MANCHESTER.—Congregation Adah Yashuran is considering erection of edifice. J. Levenson, Chairman, Committee.

NEW JERSEY

BLOOMFIELD.—Bids will be received until 8:30 p. m. Nov. 1 for erection of proposed high school. C. G. Jones, 280 Broadway, New York City, Architect; C. W. Martin, Chairman Committee on Buildings.

JERSEY CITY.—St. Peter's College is considering erection of new college building.

JERSEY CITY.—Leonard Company will erect office building at Lip and Summit Aves. John Resch, 170 Lexington Ave., Architect.

Frank E. Wikander, 103 Bay View Ave., will erect three one-family houses on Arlington Ave., at cost of \$12,000.

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Doric Building Co. has been incorporated to build structure for lodge purposes. A. Schmidt, 267 Hancock Ave., and Frederick Lamb, 3686 Boulevard, are interested.

Plans have been completed by Architect John Armstrong, 175 Duncan Ave., for \$8,000 apartment house on corner of Jackson and Wilkinson Aves.

JERSEY CITY.—Architect Christian H. Ziegler, 76 Montgomery St., is preparing plans for Union Towel Supply Co. for the erection of \$16,000 laundry building on Cornelison Ave. and State St.

Plans have been completed by Architect Nathan Welitoff for erection of \$6,500 store and apartment building corner of Randolph Ave. and Union St. for Charles Barbash, 130 Wilkinson Ave.

MILLVILLE.—Trinity M. E. Church is considering erection of parish house.

NEWARK.—Maplewood Field Club has decided to erect \$30,000 club house. D. M. Ferguson, President.

NEWARK.—Jos. Albans will erect four-story \$13,500 residence at North Sixth St. and Abington Ave. Thos. E. Hocks, architect.

NEWARK.—H. L. Baumann will at once erect four-story building at 37 William St., Nathan Myers, 238 Washington St., architect.

Frederick Kern is preparing plans for \$15,000 moving picture theater building, which Dr. Bernhard Gluck will erect on Central Ave.

PERTH AMBOY.—U. S. Cartridge Co., Pearl St., New York City, will erect plant in this city.

TRENTON.—Monument Pottery Co. is having plans prepared for erection of addition to plant on Ingham Ave. W. W. Slack, Architect.

Plans are being prepared for erection of three-story brick apartment house and store at West Hanover and Chancery Sts. for J. King & Co.

WEST NEW YORK.—George and Elizabeth Wattendorf, of 826 Ninth Avenue, New York City, will erect \$10,000 apartment house on Hudson Avenue.

NEW YORK

BINGHAMTON.—Council has purchased additional land for New Street school.

BROOKLYN.—George H. Willers will erect modern riding academy on Ocean Ave., near Lincoln Road.

CORNING.—St. Patrick's Parish has purchased site on Erie Ave. for erection of church in near future.

GLENVILLE.—Commissioner Porter, of State Health Department, has granted permission to Board of Supervisors of Schenectady County to authorize treatment of tuberculosis at this place.

JAMESTOWN.—Citizens have voted \$40,000 to complete and equip Jones Memorial Hospital.

NEW YORK.—Hupfel Brewing Co., 229 E. 37th St., will erect seven-story \$100,000 brick stockhouse on 38th St. O. C. Wolf, Philadelphia, Architect.

Architects G. & E. Blum, 505 Fifth Ave., have filed plans for erection of twelve-story \$1,000,000 brick apartment house on West End Ave., for Eighty-ninth and Ninetieth Streets Co., 344 W. 72nd St.

Herte & Tallant, 113 E. 19th St., Architects, have filed plans for erection of nine-story brick stores and warehouse, cost \$200,000, at 107 Liberty St., for Church & Liberty Co.

NEW YORK.—Munden Construction Co., 128 Broadway, will erect six-story brick apartment house on Pinehurst Ave., at cost of \$175,000. G. F. Pelham, 507 Fifth Ave., architect.

St. Barnabas R. C. Church will erect \$30,000 edifice on Martha Ave. Rev. M. A. Reilly, 321 E. 241st St., pastor. Nicholas Serracino, 1170 Broadway, architect.

V. La Porta, 586 Morris Ave., will erect two-story brick stores and dwelling at cost of \$20,000 on 150th St. Louis C. Maurer, 1493 Broadway, architect.

NEW YORK.—Jos. Keen will erect seven-story \$40,000 office building on Forty-eighth St. Alfred E. Barlow, 3 W. Twenty-ninth St., Architect.

W. T. Rice, 578 W. 130th St., will erect \$6,000 dwelling on Cooper St. Neville & Bagge, 217 W. 125th St., Architects.

Jackson Association, B. S. Jackson, 1229 Simpson St., President, will erect \$35,000 two-story brick amusement hall, stores and offices on Southern Boulevard. Robert E. Lavelle, Southern Boulevard and Freeman St., Architect.

NEW YORK.—Chas. Tiernan, 1730 Wallace Ave., will erect \$5,000 residence on Taylor Ave. T. J. Kelly, 685 Morris Park Ave., architect.

Max Verschleiser, 663 Tinton Ave., will erect \$75,000 brick theater on Westchester Ave. Thos. W. Lamb, 489 Fifth Ave., architect.

City will erect \$60,000 school on Randall's Island. W. Flanagan, architect.

Henry Acker, 901 Prospect Ave., will erect number of one-story stores at cost of \$40,000 on Simpson St. Koppe & Daube, 830 Westchester Ave., architects.

NEW YORK.—W. T. McAvoy and W. L. Rutz will erect three-story \$25,000 hotel on Lenox Ave. J. E. Kirby, 481 Third Ave., architect.

NORTH TONAWANDA.—Architect Leon Gray will at once prepare plans for erection of proposed \$15,000 hospital.

OSWEGO.—Citizens will vote on \$45,000 bonds to erect two schools.

SYRACUSE.—Church of St. Anthony de Padua, Rev. Francis Quinn, Pastor, has had plans prepared by Architects Russell & King, Snow Bldg., for edifice to be erected at Midland Ave. and Colvin St.

Architects Gaggin & Gaggin, University Block, are preparing plans for erection of two factories.

SYRACUSE.—George G. Guernsey has had plans prepared for six-family apartment house, which he will build as soon as he can find suitable site.

WATERTOWN.—New York Telephone Co. is having plans prepared for erection of large building.

NORTH DAKOTA

DEADWOOD.—Jas. Hall will erect \$25,000 four-story hall on Sherman St. in Spring.

GRAND FORKS.—Plans are being prepared for erection of \$60,000 city hall.

OHIO

BELLEFONTAINE.—City will sell \$35,000 bonds on Oct. 31, for erection of school.

CINCINNATI.—Architect Lou Dittoe, Blymeyer Bldg., is preparing plans for erection of brick dwelling for L. A. Metcalf on Luray Ave., Eden Park.

CINCINNATI.—B. H. Kroger is considering erection of residence at Gilbert Ave. and Curtis St.

Hyde Park Savings Bank, Erie Ave. and Edwards Road, is considering plans for erection of building.

CLEVELAND.—Frederick Baird, American Trust Bldg., will prepare plans for erection of edifice on Starkweather Ave. for congregation of Russian Orthodox St. Theodosius Church.

COLUMBUS.—Architects Dawson & Holbrook, Outlook Bldg., are drawing plans for residence to be built on Seymour Ave. for Reynolds E. Holbrook.

Architects Marriott & Allen, Hayden-Clinton Bank Bldg., are drawing plans for brick warehouse building to be erected on Cleveland Ave. for the C. H. Moore Oil Co.

Architect H. C. Jones, Desher Block, is preparing plans for erection of apartment house at Seventeenth and Fulton Sts. for H. M. Hancock.

DAYTON.—Dayton Aerie, Fraternal Order of Eagles, is planning to form building company and erect building.

MARTINS FERRY.—Jos. Fehrenbach and H. Wilhelm are having plans prepared for erection of business block on South Fourth St.

STEBUNVILLE.—Price & McLanahan, 1624 Walnut St., Philadelphia, are preparing plans for erection of passenger station for Pennsylvania Railroad.

TOLEDO.—W. G. Bronson has decided to erect \$20,000 fireproof residence on Fourteenth St.

TOLEDO.—Bids will be received by Board of Trustees of the Girls' Industrial Home until noon, Nov. 3, for brick laundry building in accordance with plans and specifications prepared by Marriott & Allen, architects. S. D. Webb, superintendent.

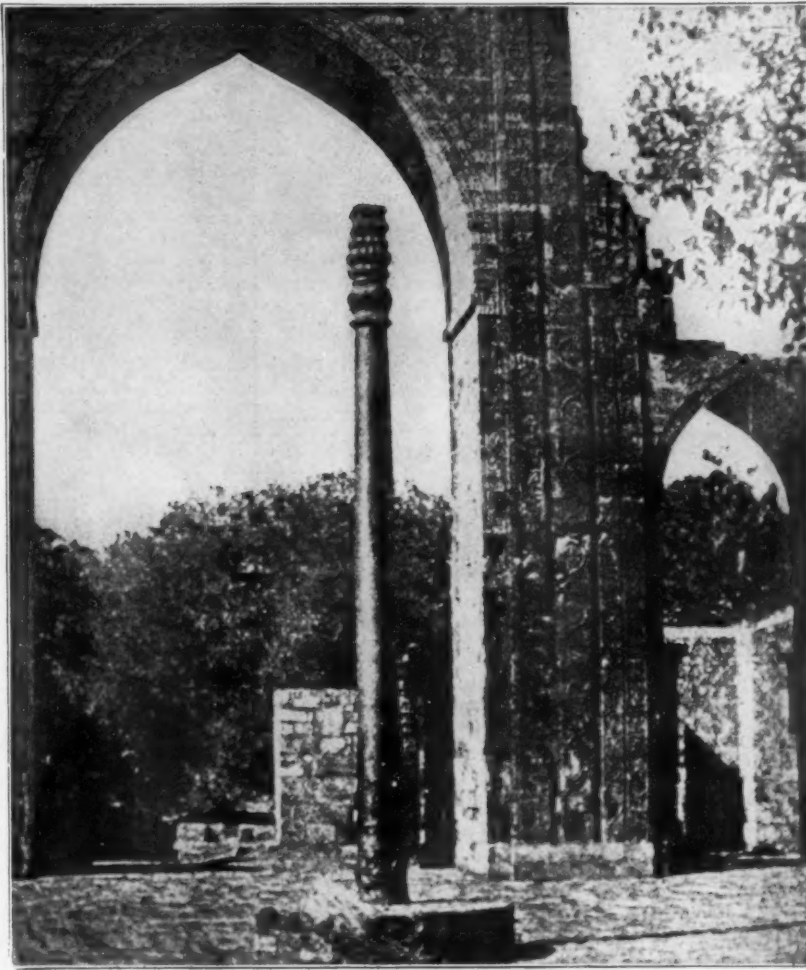
YOUNGSTOWN.—Bids will soon be asked for erection of proposed Y. W. C. A. building. A. S. Wade, Stambaugh Bldg., architect.

OKLAHOMA

MEDFORD.—Citizens have voted \$40,000 bonds for erection of school.

MUSKOGEE.—Catholic Church to cost \$15,000 will be erected. Rev. Fr. Jos. Van Hulse is interested.

OKLAHOMA CITY.—Historical Society, Mrs. Fred Sutton, President, is considering erection of building.



THE STATUE OF DELHI

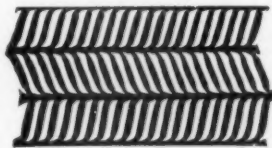
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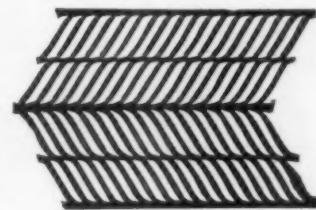
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OKLAHOMA CITY.—Layton, Memyss, Smith & Hawk, local architects, have been selected by State Capitol Commission as official architects in drafting of plans for proposed capitol building.

OKLAHOMA CITY.—H. Chalmers Newsom, Louisville, Ky., will erect business block on Exchange Ave.

OKMULGEE.—T. J. Baker and others will erect \$30,000 building to be used as county court house.

OREGON

EUGENE.—E. W. Hughes will erect residence on Lawrence St. John Hunzicker, Architect.

Plans have been completed by Architect P. D. Hensill for erection of proposed Northwestern Corporation building.

FOREST GROVE.—Catholic Congregation is considering erection of edifice at Third St. and Third Ave., South.

Residents of Kenton are urging immediate erection of school.

PORTLAND.—Plans have been prepared by Doyle & Patterson, 423 Worcester Bldg., for erection of eight-story \$625,000 hotel at Seventeenth and Burnside Sts., for S. Benson.

PORTLAND.—Architects Roberts & Roberts are preparing plans for brick business block, which will be erected on East Forty-sixth St. and Sandy Road, for David H. Ryan.

Plans are being prepared for \$5,000 two-story frame residence of the English half-timbered design, which will be erected on Twentieth St. in the Irvington District, for Edwin Hooker.

Architect R. N. Hockenberry, Washington Bldg., has prepared plans for home of the Dutch Colonial type, which he will have built on Twenty-fourth St., in the Irvington District.

PENNSYLVANIA

BRACKENRIDGE.—John Metzler will erect three-story brick hotel, costing \$15,000, from plans being made by Ira Cutshall, of Tarentum.

CARNEGIE.—Architect Claude Mathemy will soon ask for bids for the construction at Third Ave. and Second St. of a \$15,000 brick building for the Fraternal Order of Eagles.

CHAMBERSBURG.—Bids will be received until Nov. 16 for erection of proposed post office. Jas. Knox Taylor, Washington, D. C., Supervising Architect, Treasury Department.

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PITTSBURG.—Plans have been drawn by Architects Hall & Williams of \$60,000 brick parochial school building, to be erected on Robinson St., for the St. Agnes Roman Catholic Church.

PITTSBURG.—A. M. Lynn has had plans prepared for erection of \$25,000 residence at Penton and Dorset Roads.

POTTSTOWN.—Schuylkill Bridge Works will erect modern office building.

SHAMOKIN.—James Christiano has commissioned Architect L. M. Bitterman to draw plans for erection of large building.

SOUTH WILLIAMSPORT.—School Board is considering \$25,000 bond issue to erect school in Third Ward and addition to Mountain Avenue school.

WILKES-BARRE.—Architect Owen McGlynn, Simon Long Bldg., is preparing plans for school in Firwood.

RHODE ISLAND

NEWPORT.—Plans have been prepared by Architect Horace Trumbauer, Land Title Bldg., Philadelphia, for extensive improvements to home of Edw. C. Knight, Jr., on Bellvue Ave.

PHENIX.—Plans have been completed by Joseph C. Schaffler & Company, architects and engineers, 73 Tremont St., Boston, Mass., for erection of \$75,000 fireproof lace mill. General contract to John F. McCusker.

TEXAS

BROWNSVILLE.—Bids will be received until Nov. 24 for erection of three-story brick building and three residences. Cooke & Co., Theatre Bldg., Houston and Vivier Bldg., city, architects.

CASON.—Citizens have voted bonds for erection of school.

COLORADO.—Citizens have voted bonds for erection of large central school.

EL PASO.—Site at San Francisco and Chihuahua Sts. has been selected as site for proposed postoffice.

HOUSTON.—Mauran & Russell, have completed plans for erection of \$500,000 building at Main and Congress Sts., for Union National Bank.

National Fireproofing Co. of Pittsburg is considering erection of warehouse in this city. F. M. Pennington, local representative.

PALESTINE.—Ivanhoe Lodge No. 15, K. of P. will erect modern hall and business building at Oak and Houston Sts.

PORT ARTHUR.—Local Elks will at once ask bids for erection of \$33,000 building.

WASHINGTON

CLARKSTON.—Plans for the new chapter house to be erected by American Woman's league have been received and bids for constructing same will be invited at early date.

SEATTLE.—N. G. Schram is having plans prepared for modern hotel of from twenty-eight to thirty-six rooms, which he will erect on corner of Warren Ave. and Mercer St.

SPOKANE.—Bids will be received at once for erection of two-story store and apartment house in Stafford's addition for J. P. Bayless. Jones & Levesque, architects.

SPOKANE.—Union Park M. E. Church is having plans prepared for erection of church.

Plans have been prepared by Architects Jones & Levesque for erection of two residences at Fifteenth Ave., Monroe and Maple Sts.

Plans have been completed for the erection of new Monroe Park Presbyterian church, at corner of Monroe St. and Hazelwood Ave. Estimated cost \$25,000.

WEST VIRGINIA

CHARLESTON.—Supervising Architect Jas. Knox Taylor, Treasury Department, Washington, D. C., has prepared plans for erection of proposed post office.

Y. M. C. A. will raise \$43,000 to finish and furnish building.

ELM GROVE.—Plans have been prepared and contracts will be let at once for \$20,000 bank building for First National Bank. T. B. Chambers, President.

WISCONSIN

MADISON.—Architect A. C. Clas, 419 Broadway, Milwaukee, is preparing two sets of plans and specifications for improvements on the Park Hotel.

MILWAUKEE.—Salvation Army is considering erection of \$40,000 building.

Police Committee of the Council has voted to advertise for plans for the proposed new Fifteenth Ward police station.

MILWAUKEE.—School Board Committee on Buildings has recommended \$320,000 bond issue for erection of northwest side high school.



Swimming Pool, Y. M. C. A., Syracuse, N. Y.
Gaggin & Gaggin, Architects.

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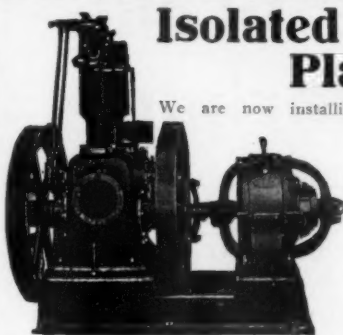
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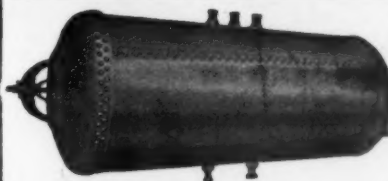
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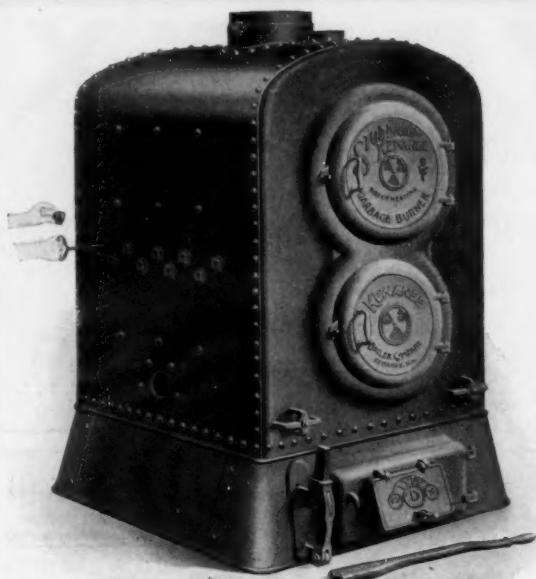
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Treasury Department, Office of the Supervising Architect, Washington, D. C., Oct. 3, 1910.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 19th day of November, 1910, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office and Custom House at Eagle Pass, Texas, in accordance with drawings and specifications, copies of which may be had at the office of the Custodian of the site at Eagle Pass, Texas, or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1816-17)

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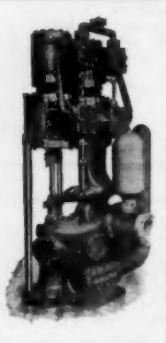
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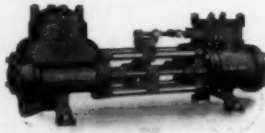
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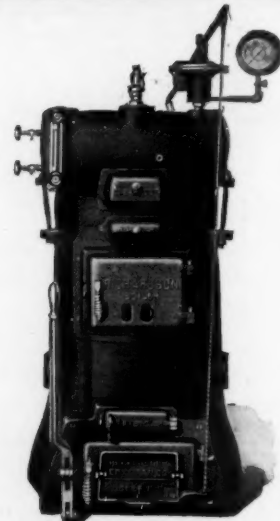


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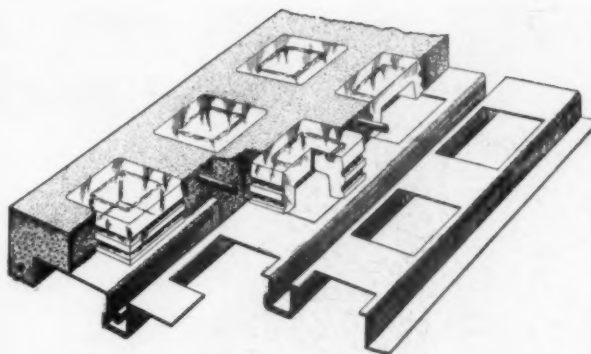
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(We are in Sweet's Index)



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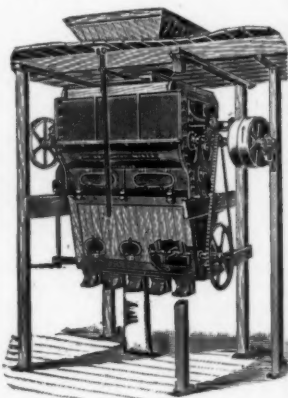
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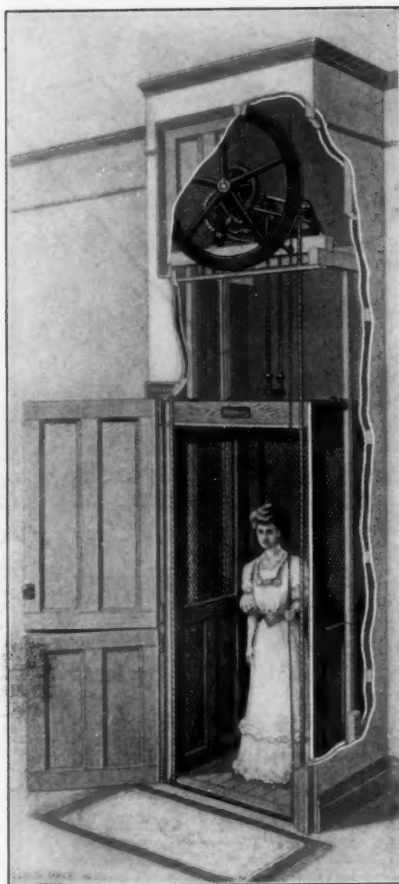
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Consult Sweet's index 1910 (pp. 1332-3).

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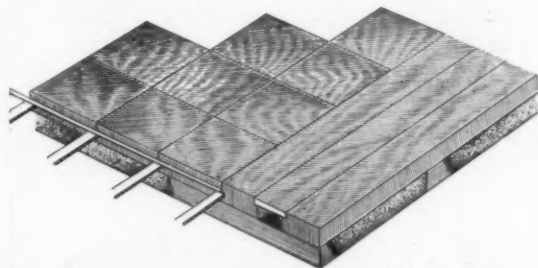
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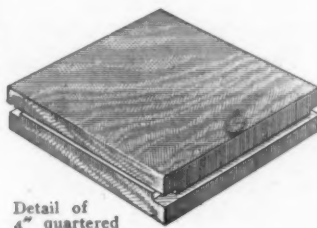
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FOR FIREPROOF BUILDINGS

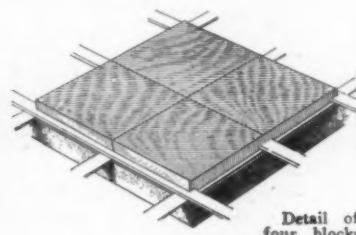
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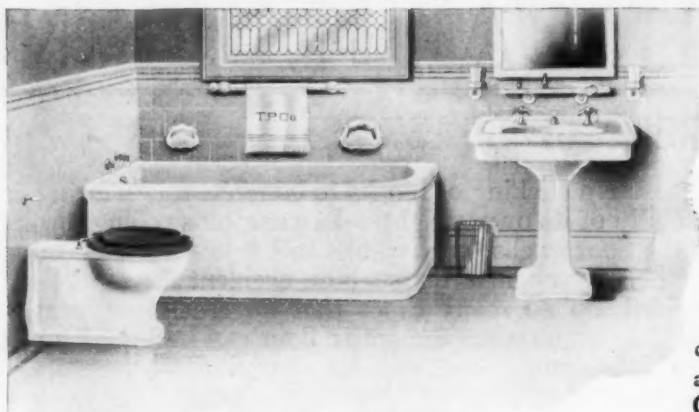
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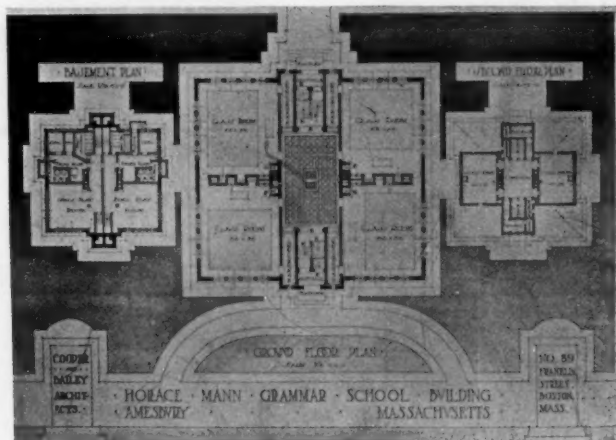
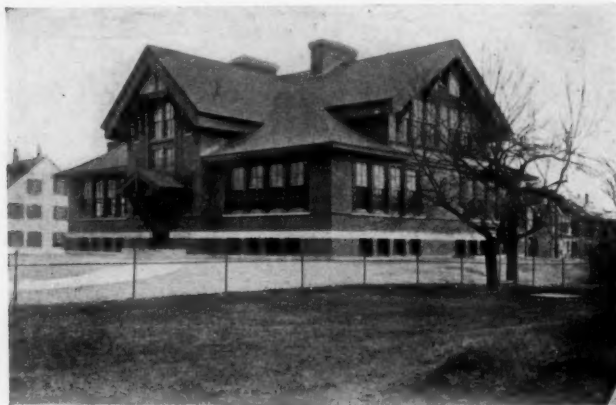
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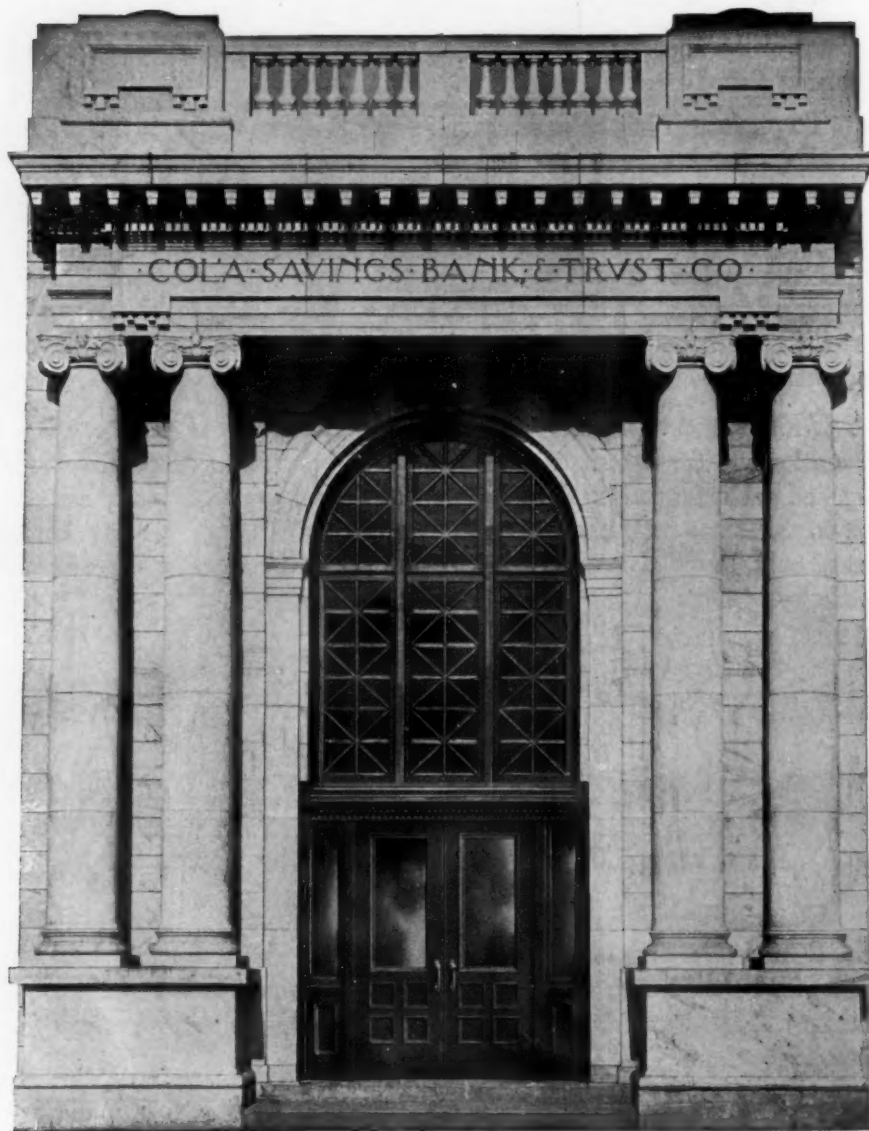
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- 1 May 31, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted a decree against Streeter Brothers, forbidding them from using a Vacuum Wall Brush which infringes the McCrum-Howell Patent. This suit was brought under one of the eighty-five vacuum patents which the McCrum-Howell Company controls.
- 2 July 7, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted a restraining order against the Pope Automatic Merchandising Co., and Clarence R. Pope, forbidding the manufacture and sale of the "Pope Electric Cleaner."
- 3 July 15, 1910: U. S. District Judge Carpenter, sitting in Chicago, after a full day's hearing, denied the motion of the Pope Automatic Merchandising Co., and Clarence R. Pope, to vacate Judge Kohlsaat's restraining order.
- 4 July 20, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, after a full hearing, granted the injunction asked against the Pope Automatic Merchandising Co., and Clarence R. Pope, manufacturers of the "Pope Electric Cleaner."
- 5 July 22, 1910: U. S. District Judge Morris, sitting in Duluth, granted a restraining order against the St. Paul Electric Co., and B. B. Downs, forbidding the manufacture and sale of the "Downs Electric Cleaner."
- 6 July 26, 1910: U. S. District Judge Amidon, sitting in Minneapolis, after a full hearing, granted the injunction asked against the St. Paul Electric Co., and B. B. Downs, manufacturers of the "Downs Electric Cleaner."
- 7 August 3, 1910: U. S. District Judge Denison, sitting in Grand Rapids, granted a restraining order against the Menominee Electric Co., forbidding the manufacture of Suction Cleaners in imitation of the **"RICHMOND"** Suction Cleaner.
- 8 August 16, 1910: U. S. District Judge Sanborn, sitting in Chicago, granted a decree against Streeter Brothers, users of a plant installed by a California company, enjoining the use of that plant because it infringes the Matchette Patent on Automatic Vacuum Control, now owned by the McCrum-Howell Co.
- 9 August 18, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted the Pope Automatic Merchandising Co., and Clarence R. Pope, permission to dispose of 1000 cleaners on hand *only on condition that a \$20,000 bond be given to protect The McCrum-Howell Co., and that each machine be plainly marked, "Not the Richmond Suction Cleaner manufactured by the McCrum-Howell Co."*

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CURRENT NEWS *and* COMMENT

A Contrast Between Two Competitions in the South

A striking contrast is afforded by two architectural competitions now in progress in southern cities.

At Richmond, Va., the Confederate Memorial Association is about to choose an architect for a building which will contain a stately hall of assembly and will house its collections of objects of interest of the period of the Civil War. The association, although it retained experts for the preparation of the program and to conduct the competition, issued the program before asking its approval by the American Institute of Architects. Since the program failed in several respects to conform to the provisions of its Code of Competitions, the Institute was unable to give the desired approval.

Upon these facts being presented to the professional advisers and by them to the executive committee of the association, announcement was made that a revised program in harmony with the principles approved by the Institute would be issued. As revised the program is admirable in so many ways that a brief resumé of it will be of interest to architects.

The program constitutes an agreement between the Association and the competitors guaranteeing that one of them will be employed as the architect for the building under the terms of the Institute Schedule of Charges. It provides a proper basis of settlement in case of the architect's dismissal or the abandonment of the work. It provides suitable prizes for the authors of the four designs adjudged next in merit after that of the winner.

It provides that architects desiring to participate in the competition must submit drawings and photographs of work executed by them and that only those who thus demonstrate their capacity properly to carry out the work shall be admitted to the competition.

Provision is also made for submission of the designs to a jury of three consisting of the president of the association, one of the professional advisers and another architect to be named by the president of the American Institute of Architects. In the light of the findings of this jury, the executive committee will make the final decision.

The drawings, while they are adequate to present the design, are few and at a reasonably small scale. An interesting and admirable feature of the program lies in the fact that the utmost latitude of solution is allowed the competitors and that the statement of requirements is as far removed from that tormenting precision and over elaboration so frequent in programs as can well be imagined. The competitors are not called upon to make any statement as to the cost of the building, but its cubage is carefully limited. The problem itself is a highly interesting one and architects who are interested in the competition may obtain copies of the program from Mr. J. Taylor Ellyson, Richmond, Va.

At Chattanooga, Tenn., a county court house is about to be erected at a cost of \$30,000. The program

failing to conform to the principles approved by the Institute, the attention of the building committee was called to the Institute's "Circular of Advice" and the employment of an expert adviser was urged. After a lapse of several weeks the program was issued without substantial amendment.

The program fails to state that any expert has been employed and in fact gives every evidence that none has been. It distinctly states that "the successful competitor will be employed by the building committee as architect for the building," but this is nullified in the same sentence by the provision that "the building committee reserves the right to reject any and all plans without expense to the county."

Should an architect be secured by means of the competition he will be paid 3 per cent. on the cost of the building for plans, specifications, detail drawings and a general interpretation of them, but the committee reserves the right to employ whomsoever it pleases to supervise the construction of the work. If after appointing an architect they do not think him competent he must associate with himself some architect satisfactory to the building committee and pay that architect for his services.

Should the committee desire the architect to superintend construction he must so act for a fee of 2 per cent., and should he fail or refuse to so act and the county be damaged thereby a sufficient amount of his fees shall be held to cover the damage.

The program includes an ingenious scheme whereby the "successful architect shall give a good and sufficient bond in the sum of \$10,000 for the purpose of protecting and saving harmless the county by reason of any or all mistakes in or about his plans, drawings and specifications" and in order to determine whether he has made any mistakes in his plans an elaborate scheme of selecting arbitrators, one by the architect, one by the building committee, one by the judge of the Circuit Court of Hamilton County, is announced; their procedure is described and the costs of the arbitration is divided between the county and architect.

A lengthy and detailed statement of the accommodation required in the building is given, but the building committee with singular modesty and caution state that neither they nor the county will assume any liability for these statements.

All this seems to have been too bitter a pill for even the kind of architects willing to take part in such a competition, and in a supplement to the program the committee withdraws so much of it as relates to the giving of a bond and states that an architect will be employed as professional adviser in the conduct of the competition. His employment seems a trifle late for any usefulness on his part. It is indeed a cause of wonder how any architect could be found willing to act as adviser after the issuance of such a program.

The program was not in all respects a bad one. Had the building committee adopted the Institute's suggestion of appointing an expert *before* the issuance of the

program instead of afterward, had they then eliminated the bond instead of afterward and had they made a few more changes which they might wisely have made, they would have brought their program into harmony with the principles approved by the Institute and would have opened their competition to the great body of able, competent and honest practitioners of whose services they have now deprived themselves.

The futility of an attempt on the part of an inexperienced and uninstructed committee to pass without expert guidance through the intricate mazes of a public competition is thus again demonstrated.

PERSONAL

Myron Hunt and Elmer Grey, architects, Los Angeles, Cal., announce the dissolution of their partnership. Mr. Grey has opened offices in the Wright & Callender Building; Mr. Hunt will continue in practice at his former office in the Union Trust Building.

Mr. William E. Groben, architect, Philadelphia, has removed to his new offices, 1021 Witherspoon Building.

NEWS OF THE CHAPTERS OF THE A.I.A.

LOUISVILLE CHAPTER, A. I. A.

At a recent meeting of the Louisville Chapter of the American Institute of Architects Mason Maury was re-elected president of that body for the ensuing year; Thomas Johnson vice-president, and Val. P. Collins secretary. An executive committee was named as follows: Alfred Joseph, chairman; Kenneth McDonald, Herman Wischmeyer and Fred Erhart.

NEW JERSEY CHAPTER, A. I. A.

At the annual meeting of the New Jersey Chapter, A. I. A., the following officers were elected: President, Fred W. Wentworth of Paterson; first vice-president, Herman Kreidler, of Newark; second vice-president, Henry Baechlin, of Newark; secretary, Hugh Roberts, of Jersey City; treasurer, John F. Capen, of Newark; members of the board of directors, Charles P. Baldwin, of Newark, and George W. von Arx, of Jersey City.

ANNUAL JOINT EXHIBITION OF THE CLEVELAND CHAPTER AND CLEVELAND ARCHITECTURAL CLUB

The annual exhibition of the Cleveland Chapter and Architectural Club will, we are informed, be held probably during the latter part of November.

The very successful exhibition of last year, and which attracted widespread attention, will no doubt be repeated, and we shall look forward with much interest to an illustration and description of the work shown.

THE ARCHITECTURAL SCHOOLS

SCHOLARSHIPS IN ARCHITECTURE AT ANN ARBOR

It is stated in the local press that two scholarships in architecture have just been established at the University of Michigan by Albert Kahn and Smith, Hinchman & Grylls, architects of Detroit. One is for \$55 a year and the other for \$100.

NOTRE DAME SCHOOL OF ARCHITECTURE SHOWS RAPID DEVELOPMENT

The large enrollment in the Notre Dame School of Architecture, South Bend, Ind., has necessitated the provision for more space for this department. The department is in charge of Prof. Rolland Adelsperger, assisted by Mr. Francis Kervick, who is a graduate of the University of Pennsylvania.

Operations by New York's Tenement House Department

An interesting fact disclosed at the recent Budget Exhibit held in New York is that during the past eight years, or since the organization of the department in 1902, there have been filed plans for "new-law" tenements of a total estimated value of seven hundred million dollars. About two-thirds of these buildings are now actually erected, or a total of four hundred and fifty million dollars.

INDUSTRIAL

TUBULAR FEED WATER HEATERS

Bulletin T. H. No. 2, issued by the Sims Co., Erie, Pa., illustrates and describes the line of tubular feed water heaters of which they are manufacturers. This pamphlet, which contains much useful information as to sizes, types and construction of heaters, may be had on request.

THE REVISED BARRETT SPECIFICATIONS

The Barrett Manufacturing Company, of New York and principal cities, have issued in pamphlet form their "Specifications," revised to July 15, 1910.

The arrangement is such as to commend them to architects and builders. The pamphlet may be had by application to any of the offices of the Barrett Manufacturing Company.

AN ASBESTOS BOOTH FOR MOVING-PICTURE FILM MACHINES

The H. W. Johns-Manville Company, of New York, in a pamphlet recently issued state: "The highly inflammable celluloid film used in moving-picture machines is a source of great danger from fire." To safeguard against this peril this company has manufactured a form of asbestos wood booth for which they claim the maximum fire-resisting qualities. These are made both in the permanent form to size and specification desired and also in portable shape.

Other specialties in theatre construction are made by this company and are described and illustrated in a pamphlet, "Theatre Necessities," which may be had on request.

GAS HEATERS

The Manhattan Gas Heating Company of 909 Seventh avenue, New York, manufacture a line of fireplace gas grates and gas logs for which they claim many practical features, chief among which is its economical maintenance.

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ILLUSTRATIONS

- ALLENTOWN FREE LIBRARY, Allentown, Pa., Jacoby, Weishampel & Biggin, Architects. Exterior photograph. *The Western Architect*, September, 1910.
- BUILDING FOR W. A. FRENCH & Co., St. Paul, Minn., Reed & Stem, Architects. Exterior photograph. *The Western Architect*, September, 1910.
- COUNTRY HOUSE, THE SMALL. Twenty-eight photographs. *The Architectural Record*, October, 1910.
- COUNTRY RESIDENCES, Portfolio of. Seventeen photographs. *The Architectural Record*, October, 1910.
- FIRST BAPTIST CHURCH of Pittsburgh, Pa., Plans of Designs for. *The Architectural Review*, February, 1910.
- GARDENS, THE W. S. SPAULDING, Prides Crossing, Mass. Little & Browne, Architects. Seven photographs. *The Architectural Record*, October, 1910.
- GRIFFIN, WALTER BURLEY, SOME HOUSES BY. Seven photographs. *The Architectural Record*, October, 1910.
- HAMBURGER DEPARTMENT STORE, Los Angeles, Cal. A. F. Rosenheim, Architect. Exterior photograph. *The Western Architect*, September, 1910.
- HOUSE OF L. M. STUMER, Nimmons & Fellows, Architects. Twelve exterior and interior photographs. *The Architectural Record*, October, 1910.
- HOME TELEPHONE BUILDING, Richmond, Ind. W. E. Russ, Architect, Dayton, Ohio. Exterior. *The Western Architect*, September, 1910.
- MINNESOTA STATE FAIR, PRELIMINARY SKETCHES, Reed & Stem, Architects. *The Western Architect*, September, 1910.
- OAKLAND CITY HALL, PRIZE COMPETITION. Prize Winning Designs. *The Western Architect*, September, 1910.
- OSGOOD HOUSE, Lincoln, Mass., Page & Frothingham, Architects. Exterior photographs. *The Architectural Record*, October, 1910.
- PARSONAGE OF METROPOLITAN CHURCH, Toronto, Canada. Sproatt & Rolph, Architects. Exterior photographs. *The Western Architect*, September, 1910.
- PENNSYLVANIA STATION, N. Y., McKim, Mead & White, Architects. Nine photographs. *The New York Architect*, September, 1910.
- RESIDENCE AT DENVER, COL., W. E. and A. A. Fisher, Architects. Exterior photograph and plans. *The Western Architect*, September, 1910.
- RESIDENCE AT MINNEAPOLIS, MINN., A. R. Van Dyck, Architect. Exterior photograph and plans. *The Western Architect*, September, 1910.
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- RESIDENCE FOR J. FOSTER RHODES, Los Angeles, Cal. W. J. Saunders, Architect. Exterior photograph and plans. *The Western Architect*, September, 1910.
- RESIDENCE OF CARLETON MACY, Albros & Lindeberg, Architects. Exterior photographs. *The Architectural Record*, October, 1910.
- RESIDENCE OF E. G. SCHMIDT, Albros & Lindeberg, Architects. Two exterior photographs. *The Architectural Record*, October, 1910.
- RESIDENCE OF G. G. SYMES, Denver, Col., F. Louis Harnois, Architect. Exterior photograph. Detail and Plans. *The Western Architect*, September, 1910.
- RESIDENCE OF HERMAN SCHMIDT, Cleveland, Ohio. G. B. Bohm, Architect. Exterior photograph and plans. *The Western Architect*, September, 1910.
- RESIDENCE OF ROLAND R. CONKLIN, Huntington, L. I., Wilson Eyre, Architect. Fifteen photographs and drawings. *The Architectural Record*, October, 1910.
- STORY BUILDING, Los Angeles, Cal. Morgan, Morgan & Wall, Architects. Exterior photograph and detail. *The Western Architect*, September, 1910.

TEXT

- ALBRO & LINDBERG, TWO HOUSES BY. Eight pages illustrated. *The Architectural Record*, October, 1910.
- ARCHITECTURAL COMPETITION, THE, A SUBJECT FOR DISCUSSION. One page. *The New York Architect*, September, 1910.
- BUILDING CONTRACTS, AGREEMENTS FOR, by W. B. Bamford. Three pages illustrated. *The New York Architect*, September, 1910.
- CITY PLAN, PROBLEM OF EXTENDING THE, by J. W. Shirley. Three pages. *The Western Architect*, September, 1910.
- COUNTRY HOUSES, RECENT. Introduction. Four pages illustrated. *The Architectural Record*, October, 1910.
- COUNTRY HOUSE, THE SMALL. Twenty pages illustrated. *The Architectural Record*, October, 1910.
- DURHAM CATHEDRAL BY ADELAIDE CURTISS. Four pages illustrated. *The Western Architect*, September, 1910.
- GARDENS, THE W. S. SPAULDING, Little & Browne, Architects. Four pages illustrated. *The Architectural Record*, October, 1910.
- HOLLOW TILE CONSTRUCTION FOR COUNTRY HOUSES. Eight pages illustrated. *The International Studio*, October, 1910.
- HOUSES BY WALTER BURLEY GRIFFIN. Four pages illustrated. *The Architectural Record*, October, 1910.
- MINNESOTA STATE FAIR GROUNDS, Reed & Stem, Architects. One page illustrated. *The Western Architect*, September, 1910.
- OAKLAND CITY HALL, Prize Winning Designs. Rankin, Kellogg & Crane, Architects. One page illustrated. *The Western Architect*, September, 1910.
- OSGOOD HOUSE, AT LINCOLN, MASS., THE. Page & Frothingham, Architects. Four pages illustrated. *The Architectural Record*, October, 1910.
- PENNSYLVANIA STATION, ENGINEERING FEATURES OF THE. Three pages illustrated. *The New York Architect*, September, 1910.
- PENNSYLVANIA STATION, THE NEW, by Montgomery Schuyler. Six pages illustrated. *The International Studio*, October, 1910.
- RESIDENCE AT TORONTO, Sproatt & Ralph, Architects. One page. *The Western Architect*, September, 1910.
- "ROSEMARY FARM," RESIDENCE OF ROLAND R. CONKLIN. Wilson Eyre, Architect. Eighteen pages illustrated. *The Architectural Record*, October, 1910.
- SINGLE STORED HOUSE, Nimmons & Fellows, Architects. Six pages illustrated. *The Architectural Record*, October, 1910.
- W. A. FRENCH & Co.'s BUILDING, St. Paul, Minn. Reed & Stem, Architects. One page illustrated. *The Western Architect*, September, 1910.

What a Barrel of Cement Means

At the first annual convention of the American Society of Engineering Contractors at St. Louis last week a decision was practically arrived at as to the quantity of cement that a contractor should find in a barrel when he opens it. A chief engineer on the Ashokan dam has been specifying 4 cubic feet as the standard of measurement for a barrel of cement, and a chief engineer on another large public work has been requiring only 3.6 cubic feet. Four-tenths of a cubic foot per barrel makes a vast difference when multiplied by a million barrels.

The standard adopted by the society was: Four cubic feet, weighing fifty-six pounds each, of loose cement.—*Record and Guide*.

Competition for the Cuban "White House" Open to All Nations

The Department of Public Works of Cuba announces that it will receive up to April 15, 1911, designs for the new "White House" in Havana. The first prize is \$10,000, and the second \$5,000.

BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BESSEMER.—Methodist Congregation is considering erection of \$25,000 edifice.

BIRMINGHAM.—Birmingham Soap Manufacturing Co. will at once erect plant at Avondale.

MOBILE.—Orpheum Circuit has had plans prepared for erection of theater. Martin Beck, General Manager.

OPELIKA.—Capt. Jos. L. Dean, Fourth Ave., will erect residence.

CALIFORNIA

AUBURN.—Placer County will vote on \$40,000 bonds for erection of jail.

CHICO.—Site at Fifth and Main Sts. will be purchased for erection of city hall.

CHICO.—Durham District has voted \$10,000 bonds for erection of school.

MAXWELL.—George Brown will erect large garage on Oak St.

PASADENA.—R. D. Davis is having plans prepared for erection of three-story apartment house.

PASADENA.—Pasadena Orange Growers' Association, Jesse Knight, President, will erect \$10,000 warehouse at Arroyo Park.

PLACERVILLE.—El Dorado County will vote on \$120,000 bonds for court house and jail; plans prepared.

REDDING.—Anton Jaegel will erect two two-story brick buildings on Market St.

SACRAMENTO.—Architect R. A. Herold, Bryte Bldg., has submitted revised plans for erection of proposed \$530,000 court house.

SAN FRANCISCO.—Eastman Kodak Co. has had plans prepared for erection of building at Battery and Halleck Sts.

SAN LEANDRO.—County Commissioners will erect chapel at county infirmary. Rev. Fr. O'Mahoney, Pastor, St. Lawrence Church, is interested.

VALLEJO.—Citizens have again voted \$60,000 bonds for erection of high school.

WINTERS.—Citizens' Bank will erect building at Main and First Sts. in near future.

CONNECTICUT

BRIDGEPORT.—Plans have been prepared by Architect T. F. Kelley for erection of residence at Compo Beach, Westport; machine for water supply will be required.

HARTFORD.—Weathersfield Ave. Congregational Church is considering erection of \$50,000 edifice. Rev. Rodney W. Roundy, Pastor.

NEW BRITAIN.—Revised plans are being prepared for erection of proposed children's home.

NEW HAVEN.—Plans have been prepared for erection of residence at Edgewood and Alden Aves. for W. H. Fulton.

THOMPSONVILLE.—Polish residents are considering erection of edifice on Alden Ave. Rev. P. W. Piechockie is interested.

TORRINGTON.—Town will vote on purchase of site for erection of school.

WATERBURY.—Plans are being prepared by Griggs and Hunt, 51 Leavenworth St., for erection of twelve-story building on North Main St.

DISTRICT OF COLUMBIA

ANACOSTIA.—Esther Memorial Chapel, Congress Heights, will erect parish hall.

WASHINGTON.—Harding & Upman, 729 Fifteenth St., N. W., have prepared plans for erection of residence at 1840 Wyoming Ave. for Carl A. Droop.

Robt. B. Caverly and others will erect nine-story office building at 1331 G. St., N. W.

WASHINGTON.—Rev. Dr. Abram Simon is urging erection of temple for Hebrew congregation.

FLORIDA

JACKSONVILLE.—W. A. Edwards, Atlanta, Architect State Board of Control, has prepared plans for erection of building at University of Florida, Gainesville.

Frank Richardson will erect building at Main and Eighth Sts. in near future.

JACKSONVILLE.—County will vote Nov. 8 on \$400,000 bonds for erection of schools.

ORLANDO.—Fire Chief Dean will erect residence on Gould St.

TAMPA.—Bonfoey & Elliott have prepared plans for erection of fire house in Hyde Park.

GEORGIA

ATLANTA.—Bids for seven-story house and office building which Southern Railway will erect on Madison Ave. are now being received.

GRIFFIN.—Plans by A. Ten Eyck Brown, James and Forsyth Sts., Atlanta, have been accepted for erection of proposed \$75,000 court house.

MACON.—Dr. Howard J. Williams has received from Ed. F. Stevens, hospital architect, 93 Federal St., Boston, Mass., preliminary plans for private sanitarium.

SAVANNAH.—Savannah Bank & Trust Co. is to erect a building fifteen stories high, steel frame, fireproof construction at cost of \$300,000.

SAVANNAH.—Owners of the Screven House are considering erection of modern hotel; present building will be torn down.

WEST POINT.—Architect T. F. Lockwood, Columbus, has prepared plans for erection of Carnegie library for West Point and Lanett, Ala.

IDAHO

COEUR D'ALENE.—Christian Congregation has decided to erect \$10,000 edifice.

LEWISTON.—Bids will be received until Nov. 22 for erection, complete, of proposed post office. Jas. K. Taylor, Washington, D. C., Supervising Architect, Treasury Department.

RATHDRUM.—Interstate Telephone Co. will erect two-story building on lower Main St.

ILLINOIS

CHICAGO.—D. H. Burnham and Max Pam are considering erection of twenty-story office building at Jackson Boulevard and Fifth Ave.

CHICAGO.—Wm. H. Bunge is considering erection of modern building.

W. L. Kerber of Furst-Kerber Cut Stone Co. is considering erection of building.

ELGIN.—Elgin Odd Fellows are planning to erect \$50,000 temple.

FREEPORT.—Directors of White Sanatorium Co. have decided to erect an annex.

PUTNAM.—Citizens have voted to erect \$20,000 school.

QUINCY.—American Strawboard Co., New York, is considering erection of \$25,000 addition to local plant. Robert Rochester, local manager.

INDIANA

EVANSVILLE.—Plans for erection of high school at Sixth and Vine Sts. are being considered by Principal Wiles of high school.

INDIANAPOLIS.—J. T. Power & Son, 44 N. Pennsylvania St., will erect building at Michigan and Delaware Sts.

PRINCETON.—Southern Railway System will rebuild rail shop destroyed with loss of \$175,000.

RICHMOND.—West Side Friends are considering erection of meeting house.

IOWA

DES MOINES.—E. D. Hawkins & Co., Unadilla, N. Y., will erect \$50,000 plant on West Ninth St.

SIoux CITY.—Lewis Bros. & McFaul will erect two-story office building on Fifth St. this fall.



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WEST PAWLET, VERMONT

KANSAS

LAKEVIEW.—Lake View Hunting and Fishing Association is considering erection of \$12,500 club house. H. L. Hall is interested.

SYRACUSE.—Hospital, cost \$50,000, will soon be erected. John J. Hennessey, Bishop of Wichita Diocese, is interested.

TOPEKA.—W. B. Kirkpatrick will erect \$30,000 brick business block at Seventh and Quincy Sts.

TOPEKA.—First M. E. Church will erect \$30,000 addition.

TOPEKA.—Lowman Hill Methodists will erect \$25,000 edifice at Eleventh and Morris Sts. F. C. Squires, Architect.

KENTUCKY

LOUISVILLE.—Architect S. P. Ostrander has prepared plans for \$30,000 theater to be erected at Eighteenth St. and Broadway for West Broadway Theater Co.

LOUISVILLE.—St. Luke's Evangelical Church will erect \$35,000 edifice on Jefferson St. Arthur Loomis and Julius Hartman, Todd Bldg., architects.

Architects Joseph and Joseph, Commercial Bldg., have prepared plans for erection of \$20,000 theater on West Broadway.

LOUISIANA

DENHAM SPRINGS.—Plant of Pelican Oar and Handle factory, destroyed by fire, will be rebuilt.

LEESVILLE.—Vernon Parish School Board has decided to erect \$40,000 high school.

MONROE.—Police Jury and City Council have decided to erect \$30,000 jail.

MAINE

AUBURN.—Plans are being prepared for erection by Mellow Bros. of \$50,000 packing plant on Hutchins St.

PORTLAND.—Portland Power Boat Association has decided to erect club house. E. A. Clark, Commodore, is interested.

WATERVILLE.—Council Committee on High School will secure plans and ask bids for erection of high school.

MARYLAND

BALTIMORE.—Architect E. L. Palmer will prepare plans for erection of \$10,000 residence on St. John's Road for Geo. T. Sloan, Jr.

Morning Star Baptist Church will erect modern edifice. Rev. Richard Page, 28 E. Twentieth St., Pastor; J. F. Gerwig, 210 E. Lexington St., Architect.

Plans are being prepared by Jas. Evans Sperry, Calvert Bldg., for erection of twelve-story building at Baltimore and Liberty Sts.

Work on new Empire Theater, to be erected on Fayette St., will start this fall. Cost, about \$150,000.

BALTIMORE.—Simpson-Doeller Co. is having plans made by Otto G. Simonson, architect, American Bldg., for \$150,000 new factory building to be erected in connection with its present enterprise in East Baltimore.

MASSACHUSETTS

BOSTON.—Plans have been prepared by Oliver, Litchfield and Rawson, for erection of three apartment houses at Glen Road and Glade Ave.

Plans for nine-story building for general warehousing at Cambridge on Massachusetts Ave., Landsdowne and Pacific Sts., are being prepared by Warren & Gerrish, Exchange Bldg.

PITTSFIELD.—Mohegan Tribe of Red Men will erect home next spring on Pearl St.

MICHIGAN

ANN ARBOR.—Women's League of Michigan University is raising funds for erection of \$40,000 building.

ASSININS.—Catholic Mission will erect \$150,000 orphanage and home for aged and infirm.

BATTLE CREEK.—C. W. Post will erect \$400,000 building in this city to be used as Widows' Home for Trades and Workers' Association.

DETROIT.—Arthur Colton Co. will erect steel and concrete factory at Jefferson Ave. and Chene St. Plans being prepared.

IONIA.—Clark Norton, B. H. Christian and other members of the Ludington Theatrical Syndicate are considering erection of proposed theater.

PORT HURON.—Local Lodge of Elks will at once erect \$30,000 temple.

TRAVERSE CITY.—Beach Hotel Co. will erect hotel facing Northport Bay. Don Sanders, Cody Hotel, Grand Rapids, is interested.

MINNESOTA

DULUTH.—Austin Terryberry, Palladio Bldg., is preparing plans for a duplex brick building to be built for A. K. Love at corner of Twenty-sixth Ave. West and Second St.

Bray & Nystrom, Palladio Bldg., have plans prepared for modern frame residence to be built for E. L. Hemmingway on Third St.

Kelly & Lignell, Lonsdale Bldg., have prepared plans for erection of four-story building on Superior St. for A. C. and E. R. Ribenack.

DULUTH.—Kitchi Gammi Club has ordered purchase of site at Ninth Ave. East and Superior St. for erection of \$250,000 club house. E. C. Conydon, President.

HIBBING.—Architects Ellerbe, Round & Sullivan, Duluth, are preparing plans for erection of contagious hospital.

ST. PAUL.—L. A. Plaster will erect \$10,000 apartment house on Summit Ave.

VIRGINIA.—Ellerbe, Round & Sullivan, Duluth, are preparing plans for six-family flat building to be erected for J. A. Landrigan.

MISSISSIPPI

GUNNISON.—Plans have been prepared by Gray & Hawes, Louisville Trust Bldg., Louisville, Ky., for erection of \$10,000 residence for McGhee Stokes.

JACKSON.—Architect T. C. Link, 308 North Sixth St., St. Louis, will map out general plans for proposed State Charity Hospital.

NEVADA

RENO.—Citizens have voted \$250,000 bonds for erection of three schools.

NEW JERSEY

BAYONNE.—Star of the Sea Council, K. of C., is considering plans for erection of home at Sixteenth St. and Boulevard. J. F. Dooley, 425 Broadway, Grand Knight.

Plans have been completed by Architect Eugene Reilly, 228 Ave. D, for erection of \$6,000 store and apartment building on corner of the Boulevard and Fifteenth St., for Morris Resnick, 20 Andrew St.

ELIZABETH.—Oakley & Sons are preparing plans for erection of \$8,000 stable for city and double house on Westfield Ave. for Edw. Williams.

HOBOKEN.—Carillo Grieco, of 711 Jefferson St., will erect six-family flat on Jefferson St. Plans prepared by Architect John A. Hilpert, 812 Garden St.

JERSEY CITY.—Plans have been completed by Architect Emil Guhl for \$10,000 flat to be built at 175 Congress St. for Jacob Ammer, 190 Congress St.

LONG BRANCH.—Daniel B. Slocum will erect six houses on Russell St.

MILLBURN.—Norman Schultz, Summit, is having plans prepared for erection of \$40,000 residence on Parsonage Ave.

NEWARK.—Chas. H. Phillips will erect \$14,000 brick warehouse at 178 Emmet St. Gustav Staehlin, 238 Washington St., Architect.

International Oxygen Co., 68 Nassau St., New York, will erect \$12,000 plant at 796 Frelinghuysen Ave. Louis Goodman, New York, architect.

OCEAN CITY.—Ocean City Title & Trust Co. is having plans prepared for erection of building at Eighth St. and Asbury Ave.

ORANGE.—Board of Education is considering erection of addition to Oakwood Ave. School.

PERTH AMBOY.—Congregation Ansey Chedek has had plans prepared for erection of synagogue.

PLAINFIELD.—Plainfield Lodge, No. 885, B. P. O. E., will erect club house in near future at 116 Watchung Ave.

STONE HARBOR.—Architects Hewitt & Paiste, Bullitt Bldg., Philadelphia, are preparing preliminary plans for four-story hotel to cost \$30,000 for South Jersey Realty Co.

TRENTON.—Pennsylvania Railroad has had plans prepared for erection of freight station near Olden Ave.

TRENTON.—Klemann & Fowler are preparing plans for erection of office building at State and Broad Sts. for L. Lissners' Sons.

Plans have been prepared for reconstruction of barns and outbuildings of Independent Brick Selling Company's farm at the White Horse plant.

WESTFIELD.—Architect Clyde S. Adams, 1233 Arch St., Philadelphia, is designing two-story \$20,000 school house.

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NEW YORK

ALBANY.—Edw. A. Bond will at once erect residence at 375 State St. Fuller & Robinson Co., architects.

Plans by Goldwin, Sterrett & Van Vleck, with Orrin W. Rice, New York, associated, will prepare plans for erection of proposed high school.

ALBANY.—Board of Contract and Supply has rejected bids for erection of Third Precinct Police Station on Livingston Ave.

ALBANY.—Elmer E. Earl, Troy, will erect residence on Manning Boulevard. Alexander Selkirk, 31 North Pearl St., Architect.

Dr. Richard A. Lawrence has commissioned Alexander Selkirk to prepare plans for office and residence to be built at Delaware Ave. and Magnolia Terrace.

BROOKLYN.—St. Malachy's R. C. Church is considering erection of edifice. Rev. Fr. D. F. Cherry, pastor.

BROOKLYN.—Municipal Art Commission of New York has approved designs for public school building to be erected at Ridgewood, Lincoln and Nichols Aves., at a cost of \$273,000, and for a police station house, cost \$150,000, at corner of Beach and Varick Sts.

CANASTOTA.—Canastota Lodge No. 254, I. O. O. F., is considering erection of temple. R. D. Sweet is interested.

CATSKILL.—Bids have been rejected by Proprietor Saulpaugh for erection of proposed Saulpaugh Hotel.

ELMIRA.—Bell Telephone Co. will rebuild structure on E. Gray St., destroyed by fire.

ELMIRA.—Morris Gladke will erect business block at 109 East Water St.

KINGSTON.—Cost of erecting School No. 1 on Wilbur Ave. has been estimated at \$13,000.

LOCKPORT.—Niagara County will vote on erection of \$100,000 almshouse.

MIDDLETOWN.—Westminster Presbyterian Church will erect \$75,000 edifice. Rev. Dr. E. Van Dyke Wight, Pastor.

MINEOLA.—New fire house and hall will be built at cost of \$5,000. W. E. Sexton, Chairman Building Committee.

NEW YORK.—Architects G. and E. Blum, 595 Fifth Ave., have filed plans for erection of twelve-story \$1,000,000 apartment house on Park Ave. for Seventy-sixth St. & Park Ave. Co., 165 Broadway; also for erection of eight-story \$350,000 apartment house on Eighty-seventh St. for Capitol Realty & Construction Co., 103 Park Ave.

L. and A. Pincus, 20 W. Thirty-first St., will erect six-story \$50,000 brick lofts and store building on Thirty-second St. Bernstein Bros., 24 E. Twenty-third St., Architects.

Adams Express Company is having plans prepared for \$1,000,000 building at 34 to 42 Trinity Place.

NEW YORK.—M. & A. S. Zinn, 670 Hudson Ave., will erect \$300,000 brick factory on Eleventh Ave. Shire & Kaufman, 110 E. Twenty-third St., architects.

NEW YORK.—John E. Olson Construction Co., 141 W. Forty-fifth St., will erect twelve-story \$225,000 brick store and factory at 127 W. Twenty-fifth St. F. C. Zobel, 118 E. Twenty-fifth St., Architect.

Geo. E. Fry, Mamaroneck, N. Y., will erect twelve-story \$160,000 brick loft building on Thirty-sixth St. E. Kneisel and D. Wortmann, 38 Lafayette Ave., Brooklyn, Architects.

Kormack Realty Co., 506 W. 151st St., will erect six-story \$125,000 brick apartment house on 156th St. Sommerfeld & Steckler, 19 Union Square, Architects.

NEW YORK.—F. M. Burgess Construction Co., 561 W. 141st St., will erect two two-family dwellings and stores on Broadway. Cost \$15,000. F. E. Glesser, 70 Manhattan St., Architect.

Edmundson Construction Co., 2311 Lyon Ave., will erect three two-story dwellings, cost \$12,000, on Cedar Ave. Geo. Hof, Jr., 721 Melrose Ave., Architect.

Jacob Wertheim will erect four-story \$120,000 music hall on Forty-sixth St. Herts & Tallant, 113 E. Nineteenth St., Architects.

Herald Square Holding Co. will erect twelve-story mercantile building at 62 W. Forty-fifth St.

RAYBROOK.—Bids will be received until noon Oct. 29 for complete construction of State Hospital for Incipient Tuberculosis. F. B. Ware, Albany, State Architect, M. E. McClary, President, Board of Managers.

SCHENECTADY.—Architect L. Rodman Nichols has prepared plans for erection of addition to high school.

SYRACUSE.—Architects Merrick & Randall, S. A. & K. Bldg.,

have prepared plans for erection of convention hall and arena at South Salina and Tallman Sts. for Syracuse Arena Co.

WILLIAMSVILLE.—W. T. Coatsworth, Buffalo, will erect residence at Glen Ave. and N. Cayuga St.

YONKERS.—Michael Dee, Main St., has had plans prepared for erection of vaudeville theater.

NORTH CAROLINA

ASHEVILLE.—Y. M. C. A. home, cost \$80,000, will be erected near this place. Dr. Chas. W. Kent, of University of Virginia is interested.

GREENSBORO.—Proposed \$15,000 home for aged and infirm Masons will be erected in this city. L. M. Clymer, city, is member of Building Commission.

OHIO

ASHLAND.—Citizens will vote Oct. 20 on \$50,000 bonds to erect two schools.

BUCYRUS.—State Armory Board will erect \$25,000 armory next summer.

CINCINNATI.—Grimm Architectural Iron Works will erect \$15,000 plant on Draper Ave., Cummins ville.

Ernest Richter, of the C. A. Gray Co., will erect \$12,000 residence on Lafayette Circle, Clifton.

Architect M. Sax, Fourth National Bank Bldg., has prepared plans for erection of \$15,000 building at Reading Road and Forest Ave., Avondale.

CLEVELAND.—F. F. Prentiss, 916 Williamson St., is interested in proposed erection of \$500,000 permanent exposition building.

CLEVELAND.—Architect T. Connor, Park Bldg., is preparing plans for erection of theater at E. 105th St. and Churchill Ave., N. E.

ELYRIA.—Local Elks are considering erection of \$20,000 club house.

GENOA.—J. P. Cagney has had plans prepared for erection of \$30,000 hotel at Catawba Island.

HAMILTON.—Board of Education is considering erection of \$200,000 high school.

KANSAS.—Architect Chas. Ernst, Tiffin, has prepared plans for erection of \$15,000 school.

MANSFIELD.—Citizens will vote Nov. 3 on \$100,000 bonds for erection of school.

TOLEDO.—Bids will be received until noon, Nov. 3, for erection of brick laundry building at Girls' Industrial Home. Marriott & Allen, 20 E. Broad St., Architects. S. D. Webb, Superintendent.

TOLEDO.—Dusseau Fore & Rear Drive Auto Co. will erect factory. Dr. S. V. Dusseau, Erie, Mich., is interested.

Bavarian Brewing Co. will erect number of buildings at cost of \$50,000. G. A. Miller, Ferguson Bldg., Detroit, Mich., architect.

VAN WERT.—School Board will vote Nov. 8 on \$100,000 bonds to erect high school.

WAUSEON.—Citizens have voted \$18,000 bonds for erection of school.

YOUNGSTOWN.—Wick Building Co. has been incorporated to build business block. T. L. Robinson and Philip Wick are interested.

OKLAHOMA

ENID.—Physicians' organizations are considering erection of \$30,000 hospital.

TULSA.—Santa Fe Railroad has decided to erect extensive terminals.

OREGON

PORTLAND.—Klaw & Erlanger will erect \$200,000 theater building at Eleventh and Morrison Sts.

PORTLAND.—Architects Roberts and Roberts have prepared plans for erection of \$20,000 garage at Sixteenth and Washington Sts. for J. W. Levitt & Co.

WENDLING.—Architect J. R. Ford, Eugene, is preparing plans for erection of school house.

PENNSYLVANIA

BRISTOL.—Architect William H. Cookmans, of the Pennsylvania Railroad, Philadelphia, is preparing plans for new passenger station.

CHESTER.—John McGlinn, 2517 W. Second St., is considering erection of hotel at Second and Wilson Sts.

GREENCASTLE.—Citizens will vote in November on \$40,000 bonds for erection of school.



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H. N. Edwards, San Jose, Cal.



Rev. Dr. J. Wilbur Chapman, Winona Lake, Ind.



B. M. Hord, Nashville, Tenn.

Three Bungalows supplied with water by Kewanee Systems

HARRISBURG.—Architect H. T. Hamilton, 11 N. Market Sq., has prepared plans and will receive bids Oct. 27 for erection of home for Colonial Country Club. S. B. Rambo, Chairman Building Committee.

HAZLETON.—Architect Guy King, 1513 Walnut St., Philadelphia, is designing \$150,000 hotel, which Alvah Markle contemplates erecting.

MORRISVILLE.—Thos. B. Stockham has had plans prepared for erection of four-story building at Smith and Bridge Sts.

Ancient Castle, No. 135, Ancient Order Knights of Mystic Chain, will erect building on Bridge St.

PHILADELPHIA.—Architect Horace Trumbauer, Land Title Bldg., has completed plans for four-story store and apartment building which George H. Earle will erect on corner of Broad St. and Girard Ave.

PHILADELPHIA.—Architects Baker & Dallett are preparing plans for remodeling Third National Bank Building, at cost of \$50,000.

PHILADELPHIA.—Architects Heacock & Hokanson, Bailey Bldg., have prepared plans for three-story stone residence to be erected on Westview Ave. for Walter S. Cox.

PHILADELPHIA.—Architect E. Allen Willson, Land Title Bldg., is designing a \$15,000 moving-picture house at No. 1420 Point Breeze Ave. for Joseph F. McCartney.

Mayor Reyburn has outlined plans for erection of central free library and a school of technology on the Parkway.

PITTSBURG.—Eleventh Ward residents are urging erection of \$250,000 high school for Hiland sub-district. A. L. Schultz, President School Board, is interested.

PITTSBURG.—Architects Dean & Stroplet, 331 Fourth Ave., are taking bids for \$100,000 warehouse to be erected on Sidney St. for E. F. Rusch.

Architect O. M. Topp, Empire Bldg., has completed plans for remodeling five-story building at Oliver Ave. and Book alley for the Press Publishing Co., at cost of \$40,000.

Janssen & Abbott, Ninth and Liberty Ave., are preparing plans for erection of 26 houses on Center Ave.

READING.—Calvary Church has decided to erect \$33,000 church and Sunday school room.

SUNBURY.—I. O. O. F. Orphanage will erect school building. Wm. H. Lee, Shamokin, architect.

WILKES-BARRE.—Plans have been prepared for the erection of five-story warehouse on Sambourne St. for C. J. Turner & Company.

Plans for \$20,000 parochial school to be erected by St. Boniface Church congregation on Blackman St. are being prepared.

RHODE ISLAND

PROVIDENCE.—Bids will be received until 2 P. M., Oct. 24, for erection of public bath house in Franklin Park. R. R. Jenks, 735 Banigan Bldg., Architect. Henry Fletcher, Mayor.

SOUTH CAROLINA

ST. MATTHEWS.—Frank C. Cain will build bungalow to cost \$3,500.

TENNESSEE

CHATTANOOGA.—Miller Bros. will erect store and apartment building on West Ninth St. J. G. Barmoeil, architect.

KNOXVILLE.—Mid-Continent Life Insurance Co. is planning to erect \$100,000 building next spring. Dr. C. P. McNabb, city, is interested.

TEXAS

CLARENDON.—Methodist Congregation is considering erection of \$30,000 church. Rev. O. P. Kiker, Pastor.

CLARENDON.—Plans have been completed for erection of proposed \$30,000 girls' dormitory and conservatory at Clarendon College. Address President Stover.

COLORADO.—Citizens have voted \$10,000 bonds to rebuild high school.

DALLAS.—Pythian Library Association has decided to erect \$25,000 building. Dr. R. J. Gaudlin is interested.

DENISON.—Plans have been prepared by Supervising Architect Jas. Knox Taylor, Treasury Department, Washington, D. C., for erection of \$120,000 post office.

DENISON.—Rod and Gun Club has decided to erect \$6,000 club house.

EL PASO.—Calvary Baptist Church has decided to erect \$75,000 edifice at Montana and Virginia Sts. C. M. Newman is interested.

EL PASO.—A. P. Coles & Bros., representing the Marchioness De Ammodio, Paris, have been instructed to ascertain cost of erecting building from four to ten stories in height, to be built for department store building or hotel.

EL PASO.—Calvary Baptist Church will erect \$50,000 edifice. Rev. R. T. Hanks, Pastor.

HOUSTON.—Plans are being prepared for Krupp & Tuffly Building, to be erected at Prairie and Main Sts.

McKINNEY.—Citizens have voted \$25,000 bonds for erection of school.

PECOS.—Bids will soon be asked by Trustees of Pecos School District for erection of \$20,000 school.

SAN ANTONIO.—Lone Star Brewing Co. is having plans prepared for erection of \$30,000 warehouse and \$200,000 ice plant on Jones Ave.

TERRELL.—Contract will soon be let by Supervising Architect Jas. Knox Taylor, Treasury Department, Washington, D. C., for erection of proposed \$50,000 postoffice on North Frances St.

VERNON.—Farmers State Bank will erect building at early date. Dr. H. H. Rhoads, President.

VERMONT

BRATTLEBORO.—Preliminary plans are being prepared for erection of proposed post office. Jas. Knox Taylor, Washington, D. C., Supervising Architect, Treasury Department.

VIRGINIA

NORFOLK.—J. D. Anders has plans for \$40,000 stone building to be erected at 296 Main St. for the John D. Burrow Estate.

RICHMOND.—Pollard & Bagby are interested in proposed erection of \$300,000 hotel at Sixth and Main Sts.

WASHINGTON

EVERETT.—Plans have been prepared for erection of three-story addition to Hotel Mitchell. Attorney Gardiner, local representative of Mitchell Bros., London, England, owners.

SEATTLE.—Bon Marche will erect \$1,250,000 eight-story store at Second and Union Sts. John Graham, Architect.

Amos Brown Estate will erect \$100,000 six-story building on Second Ave. E. W. Houghton, 414 Collins Bldg., Architect.

Union S. & T. Co. will erect sixteen-story \$600,000 office building at Second and Cherry Sts. Bebb & Mendel, Denny Bldg., Architects.

SPOKANE.—Manito Baptist Church has decided to erect edifice on Thirty-second Ave. Rev. H. B. Elworthy, Pastor.

Elks' Temple, Post St. and Front Ave., will be remodeled at cost of \$35,000.

WEST VIRGINIA

GRAFTON.—Erection of \$60,000 Y. M. C. A. building is being considered.

HUNTINGTON.—Cabell Country Club will erect club house near Kellogg.

WISCONSIN

GREEN BAY.—Dorschel Produce Co. will erect warehouse on Stuart St.

MILWAUKEE.—Architect Charles J. Keller, Germania Bldg., is preparing two sets of plans for different types of two-story frame flat buildings for Louis Auer & Son.

Architect Edw. Kozick, Alhambra Bldg., is preparing plans for erection of \$5,500 residence on Maryland Ave.

MILWAUKEE.—Council has decided to engage architect to prepare program for proposed isolation hospital, also to have plans prepared for erection of Fifteenth Ward Police Station.

MILWAUKEE.—Kieckhefer Box Co. will erect \$300,000 plant. Plans not yet decided.

St. Lawrence Church is considering erection of \$25,000 school. John Wittemann is interested.

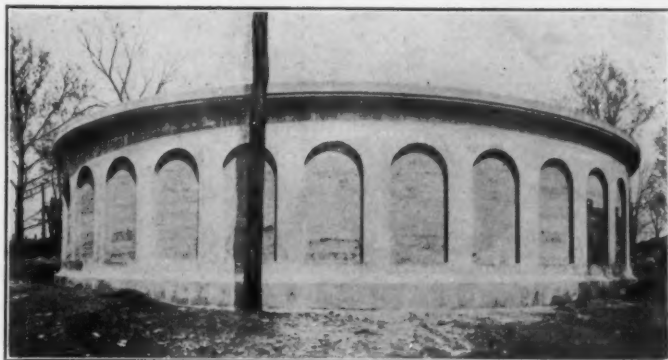
SHEBOYGAN.—Thomas Coster Toy Works is planning to erect three-story addition to plant.

WINNEBAGO.—Bids will be received until 4 p. m., Nov. 1, for erection of hospital for criminal and violent insane at Northern Hospital. Foeller & Schober, Green Bay, architects. Elmer Grimmer, President Board of Control.

MEXICO

CHIHUAHUA.—The Cia. Electrica y de Ferrocarriles de Chihuahua, S. A., will erect commodious building on Calle Ojinaga.

JUAREZ.—Architect Edward Kneezell, El Paso, Tex., is drawing plans for \$50,000 plant to be built by Weaver & Sherkan, of Lancaster, Pa.



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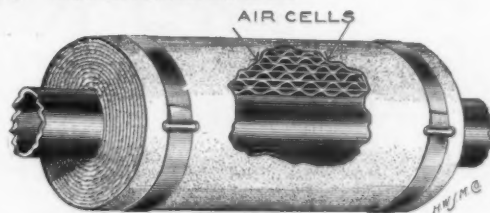
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Treasury Department, Office of the Supervising Architect, Washington, D. C., Oct. 8, 1910.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 19th day of November, 1910, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office and Custom House at Eagle Pass, Texas, in accordance with drawings and specifications, copies of which may be had at the office of the Custodian of the site at Eagle Pass, Texas, or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1816-17)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Oct. 11, 1910.—Sealed proposals will be received at this office until 3 o'clock p. m. on the 23d day of November, 1910, and then opened, for the extension, etc., except elevator (including plumbing, gas piping, heating apparatus, electric conduits and wiring system), of the U. S. Post Office at Rock Island, Ill., in accordance with the drawings and specifications, copies of which may be obtained from the Custodian at Rock Island, Ill., or at this office, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1817-18)

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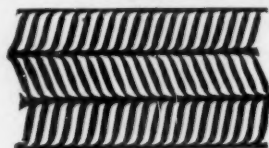
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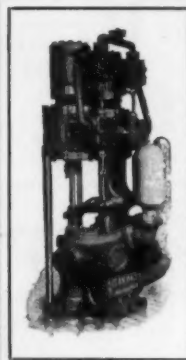
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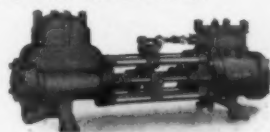
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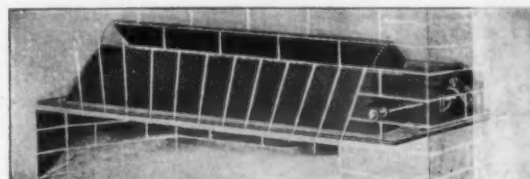
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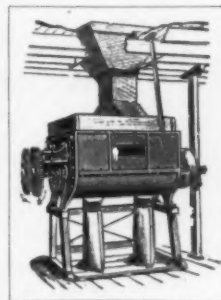


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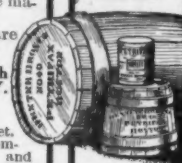
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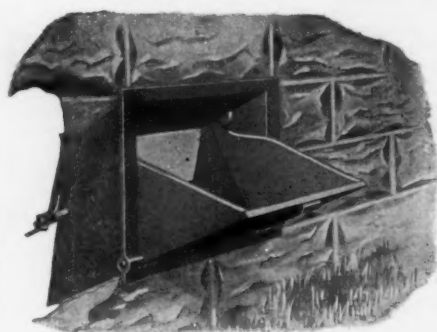
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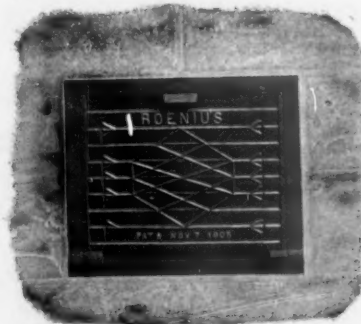
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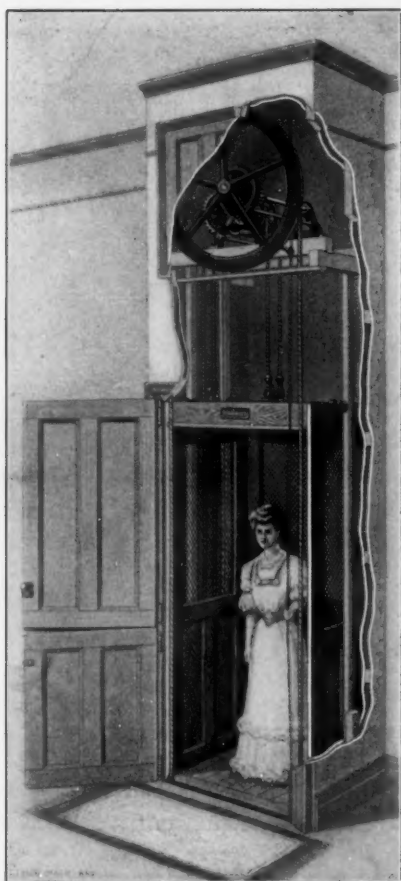
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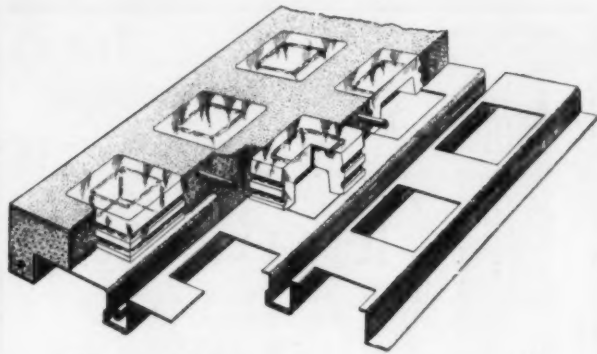
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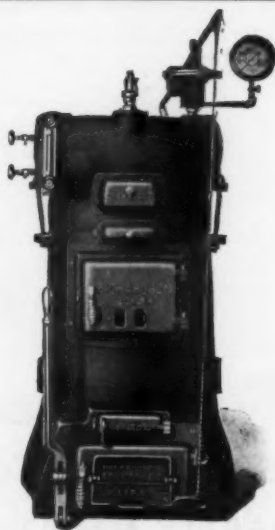
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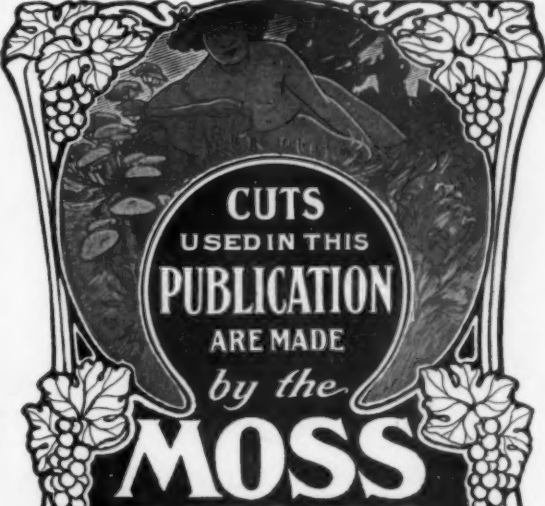
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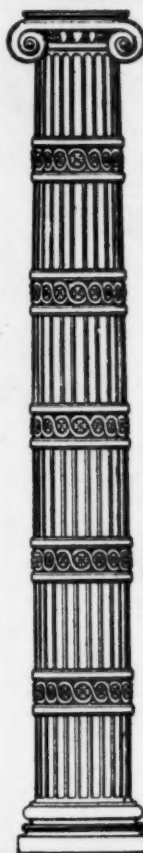
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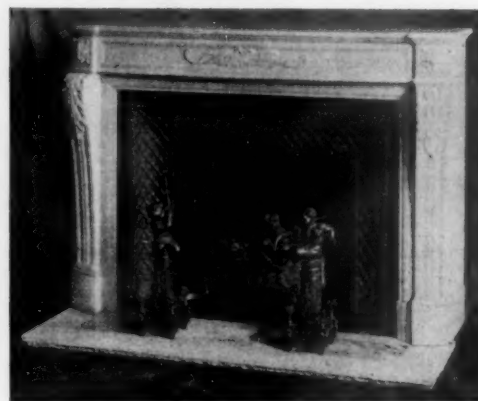
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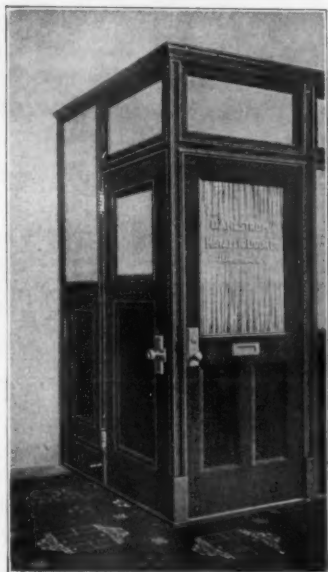


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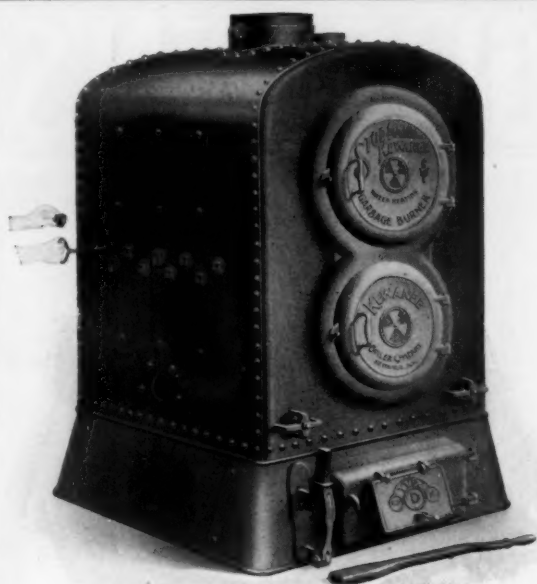
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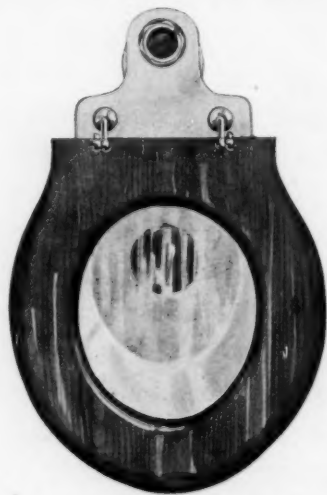
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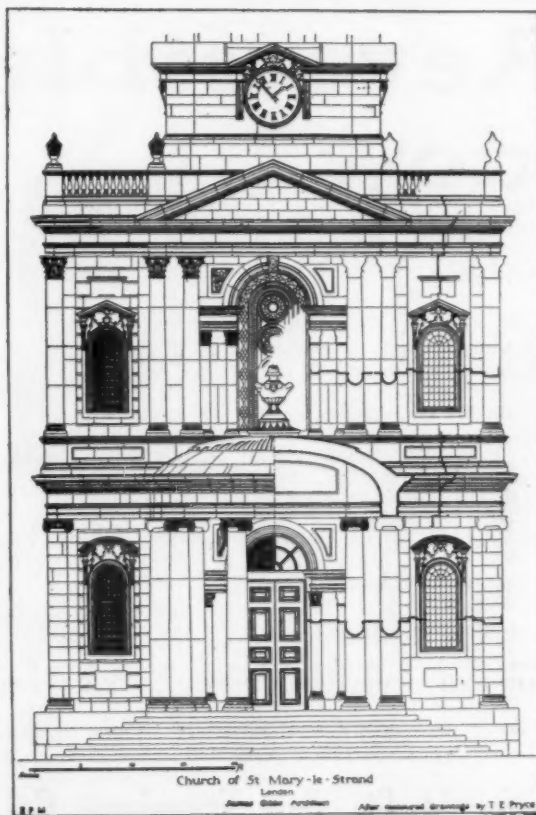
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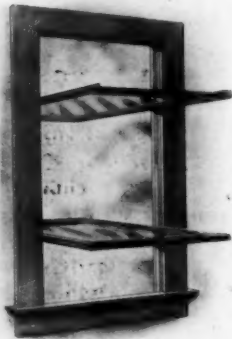
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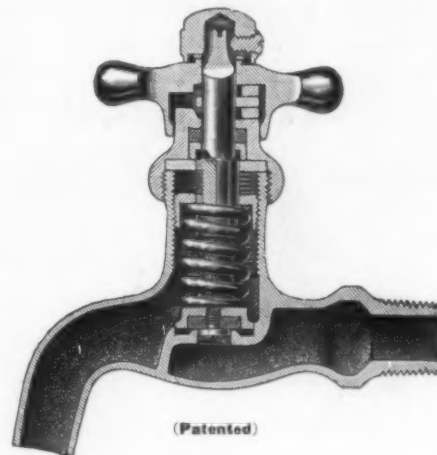
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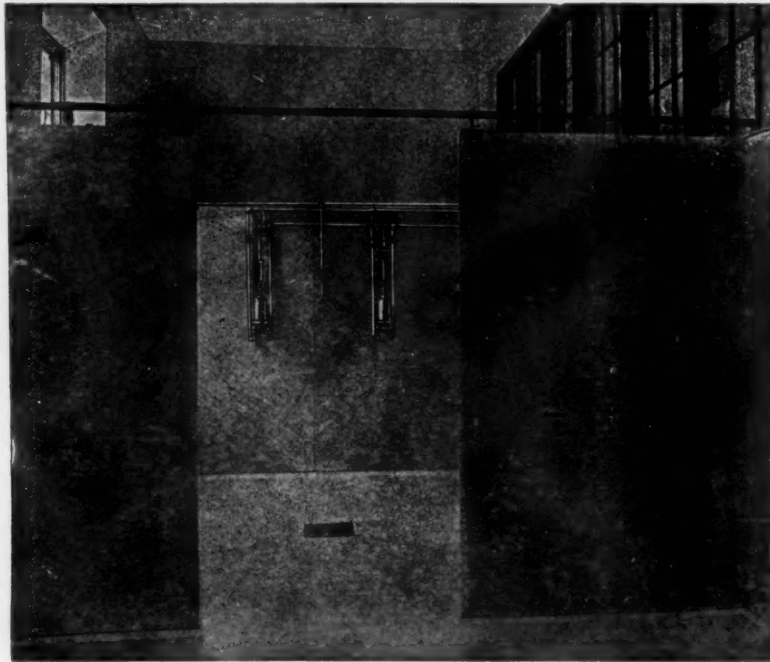
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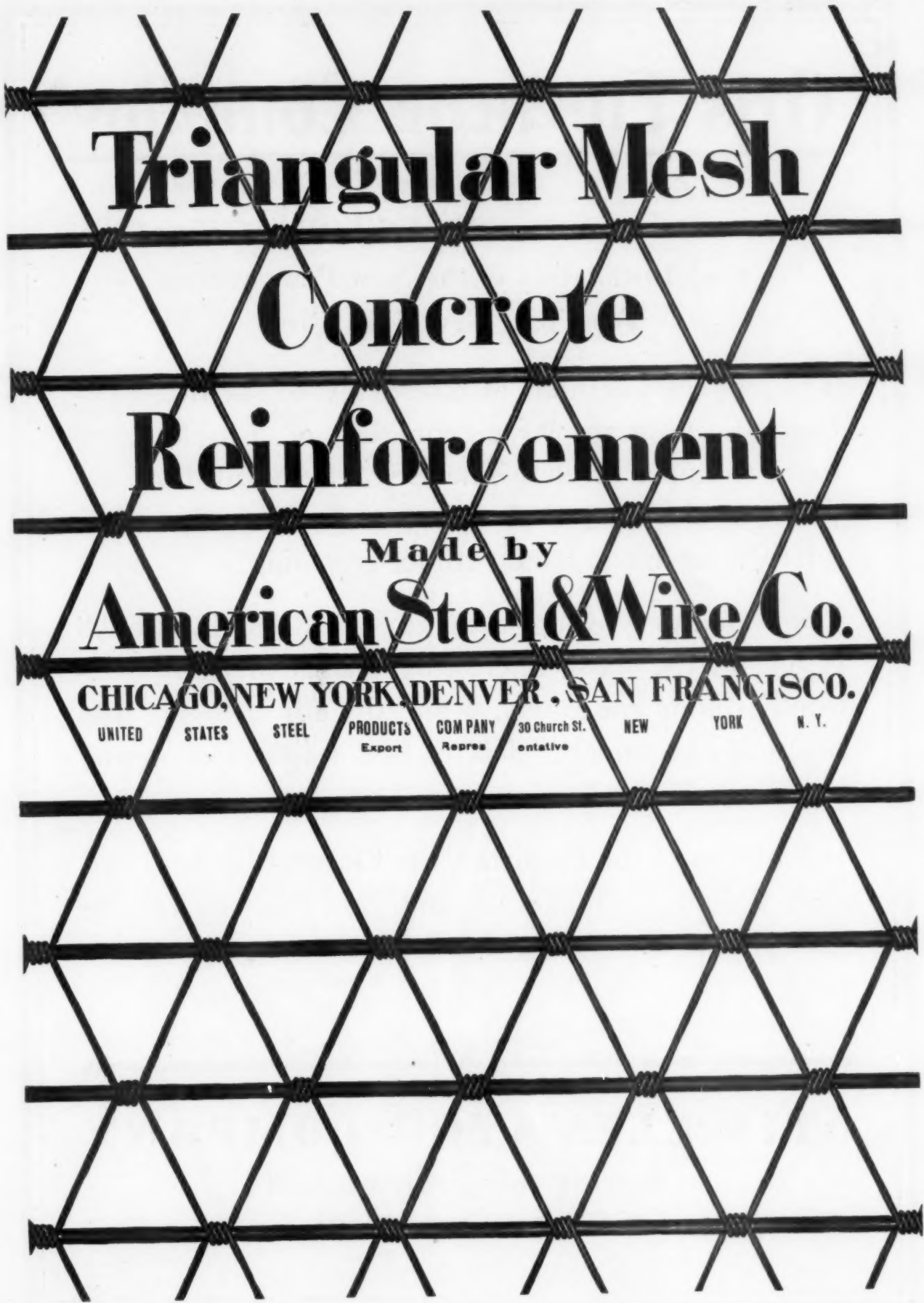
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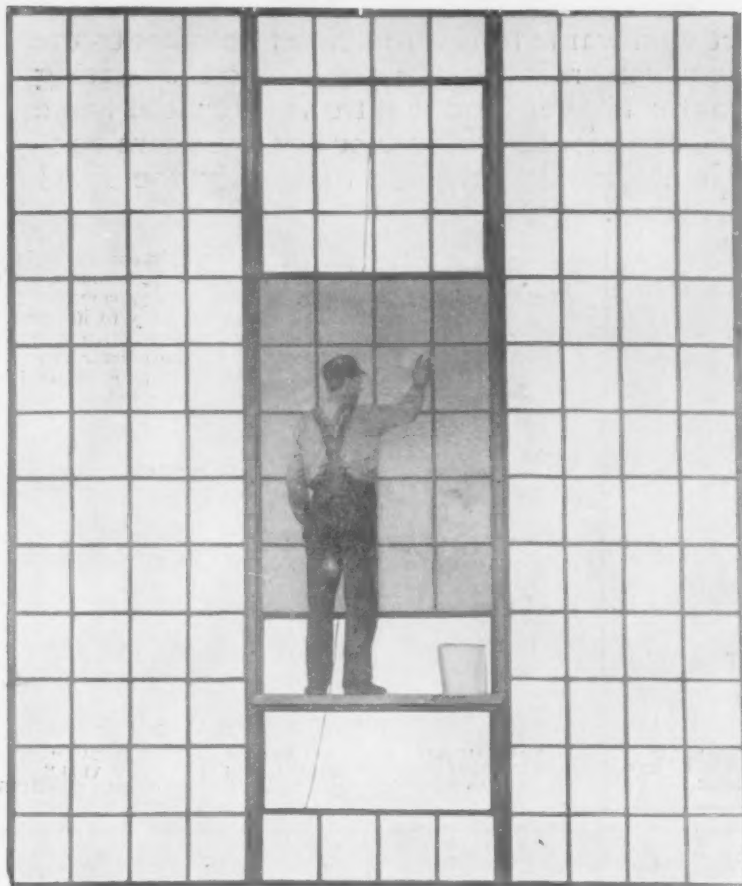
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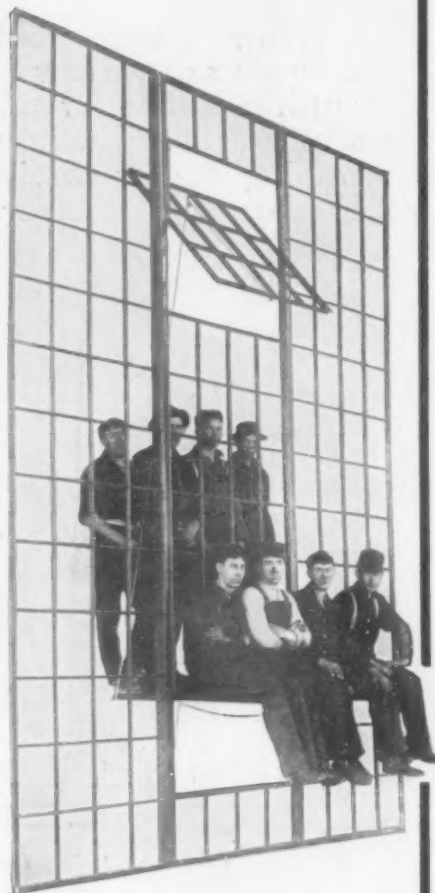
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CURRENT NEWS *and* COMMENT

A Communication

TO THE EDITOR OF THE AMERICAN ARCHITECT:

Dear Sir—I am able to make an interesting addition to the points of my article of September 28, which related to the Report of the Italian Commission on the Leaning Tower of Pisa.

An Italian translation of this article is in course of preparation, and it occurred to me that a diagram representing the difference in the results of the same plumb, as measured to level and as measured to slope, would be an interesting and useful addition to the article.

In my article in your issue of September 28 I had estimated (by compass test on the very small scale of the original DeFleury section of the Leaning Tower) that the DeFleury sixth story plumb would give a 10 cm. higher result on the measure to slope than it did on the measure to level.

In order to prepare an illustration bearing on the general principle, for use in the Italian translation, I instructed my draughtsman to make a drawing, four times enlarged, from that part of the DeFleury section which shows the ground floor of the tower, and to report to me what results would be obtained by the enlarged scale as regards the measure to slope.



Diagram of DeFleury's sixth-story plumb in 1859, showing the difference of measures on the same plumb as taken to level and as taken to slope. (This level line in DeFleury's original survey starts from the upper step on the north side of the exterior platform and is the level which shows on the south exterior side the total dip at the base of m. 1,525.)

Please note this diagram herewith. The additional amount on the measure to slope is not 10 cm. It is 7 cm.

Now 7 cm. is the amount which the Commission reports that the tower has moved since the DeFleury sixth story plumb of 1859 (if this sixth story plumb can be trusted, which the Commission doubts).

If we suppose that the Commission took a plumb from the sixth story and that this plumb was measured to the surface slope, it appears likely or possible that the erroneous impression was thus derived that the tower had moved 7 cm. since the date of DeFleury's plumb. The correspondence of the figure of 7 cm., mentioned by the Commission, to the difference of 7

cm. between the two measures shown by the diagram makes this hypothesis attractive, although it obliges us to assume that the Commission overlooked the point that the difference between sixth story plumbs would not be the same as the difference between seventh story plumbs.

WM. H. GOODYEAR.

PERSONAL

The Atelier Wynkoop announce their removal to new quarters, 74 Irving Place, New York.

Frank D. Skeel, it is stated, has moved his offices to Vickers Building, on Euclid Avenue, Cleveland, O. This building is one of Mr. Skeel's recently completed works.

Messrs. George B. Post & Sons, of New York, are in consultation with President Richmond regarding changes and improvements in the buildings and grounds of Union College at Schenectady, N. Y.

Mr. Oswald C. Hering announces that he has formed a partnership with Mr. Douglass Fitch and will continue the practice of architecture, under the firm name of Oswald C. Hering & Douglass Fitch, Architects, with offices at No. 1 West 34th street, New York.

Local papers state that the firm of Hughes & Mangin, architects, Syracuse, N. Y., has been dissolved. Mr. Hughes will for the present, it is stated, retire from active practice. Mr. Mangin will continue in the former offices of the firm in the Betts block.

Mr. S. E. Desjardins, architect, informs us that he has removed his office to the Pickering building, Fifth and Main Streets, Cincinnati, Ohio. Mr. Desjardins has admitted to partnership Mr. Roland Bevis, heretofore associated with him as assistant.

NEWS OF THE CHAPTERS OF THE A.I.A.

SOUTHERN PENNSYLVANIA CHAPTER HOLDS MEETING

The Southern Pennsylvania Chapter of the American Institute of Architects held its fall meeting October 8. Owing to the unavoidable absence of President Rankin, Mr. John B. Hamme acted as president *pro tem*.

A number of interesting matters of business received consideration. One of these was to request the board of directors of the A. I. A. to allot, if the way be clear, to its jurisdiction the following additional counties of the State: Bedford, Fulton, Blair, Huntingdon, Mifflin, Juniata, Snyder, Union, Northumberland, Lycoming, Montour, Clinton and Centre. The counties as covered by the chapter at present are: York, Lancaster, Adams, Dauphin, Cumberland, Franklin, Lebanon and Perry. The balance of the counties are to be divided between the remaining two chapters, Philadelphia and Pittsburgh.

The date of the next regular meeting of the chapter is the second Monday of December.

The official special train of the chapter to the con-

vention of the A. I. A. in San Francisco is scheduled to leave Chicago at 9:30 a. m. January 11.

MICHIGAN (DETROIT) CHAPTER.

At a business meeting of this chapter held October 11 a scholarship to the value of \$55 a year in the architectural course of the University of Michigan was voted.

By a unanimous vote the directors of the chapter were authorized to subscribe \$500 for the establishment of a school of design in Detroit.

BOOK NOTES

THE LIVERPOOL ARCHITECTURAL SKETCH BOOK. Being the Annual of the School of Architecture of the University of Liverpool. Published by the Proprietors of the *Architectural Review*. Caxton House, Westminster, London. Half-crown, net. 1910.

In those who are familiar with the admirable work being done by Professor Reilly at the University of Liverpool, and the energy with which it is prosecuted, the appearance of the architectural school annual for 1910 will excite much interest. This publication takes the form of an 80-page book somewhat larger than the *Architectural Review*, seventy-eight pages of which are devoted to illustrations. Part I is devoted to measured drawings by students of the school of such buildings as the Taylorian Institute, Oxford; St. George's Hall, Liverpool; the Custom House, Dublin; St. Mary-le-Strand, London; Palazzo Pompeii, Verona; Palazzo Pandolfini, Florence—twenty-three subjects in all. Part II is devoted exclusively to design problems given in the school. In accordance with Professor Reilly's wise policy, these problems deal chiefly with architecture done in "the grand manner," or monumental work, though "a set of twelve almshouses," "a workman's cottage" and "a hotel for a country town" give the student an opportunity to relax occasionally and express his emotions in more homely idiom.

In his lucid introduction to the book, Professor Reilly justly observes "all early teaching, to be effective, must be academic," and though a stranger may not wisely proclaim *ex cathedra* opinions about any matter abroad, we venture to believe that the School of Architecture of Liverpool University gives the best promise, of any means in sight, of rejuvenating the art architectural of England. It is true the solutions shown are not those likely to be reached by American architectural students, but there is no reason why they should be, and every consideration of wholesome development why they should not.

Church Tower Moved Intact

In the issue for September, 1910, *L'Architecture et la Construction dans le Nord* reports the moving intact of a church tower, covering a superficial area of some 1,100 feet and 150 feet high a distance of about thirty feet. The operation was made necessary by alterations and the enlargement of the building, and was performed without disturbing the continuous working of a sixteenth century clock installed in the tower. The work occupied ten days and was successfully carried out by a firm of American contractors familiar with such operations.

Problems in Town Planning

In the current issue of the London *Architectural Review* exception is taken by Mr. W. R. Davidge to some current notions regarding traffic problems and the correct placing of monumental or otherwise interesting buildings at civic centers. This paper and its illustrations deserves attention though one may not wholly agree with the author's conclusions.

D. H. Burnham on Town Planning Conference

In an interview with Mr. D. H. Burnham, of Chicago, printed in a London daily paper, he is reported as being most enthusiastic as to good that will be accomplished by the Town Planning Conference, just closed in London.

We read: "It is the greatest thing of the sort ever held," said Mr. Burnham. "There were present many great authorities on town planning, and the subject has been thrashed out thoroughly. The conference had the benefit of having various town planning schemes illustrated by drawings, which made their meaning quite clear. Germany was represented by drawings of a dozen of her greater cities, while America showed plans for the future development of Washington and Chicago, which plans have taken about four years to work out."

Mr. Burnham acted as presiding officer on one day of the Conference and during the session read a paper on "The Development of the Cities of the Future."

Competition for Albany. (N. Y.) High School Decided

The first prize in the competition for a high school at Albany, New York, has been awarded to Goldwin, Starrett & Van Vleck, with Orrin Winthrop Rice as associate. Second prize, Edward Sheppard Hewitt and Frederick G. Frost, of New York; third prize, Louis Boynton, New York. The architects' estimate of cost of building is \$300,000.

The successful design was selected by the city officials, with Mr. Franklin B. Ware, state architect, acting as professional adviser.

A Scholarship in Architecture

A scholarship valued at \$1,000 per year for advanced work in architecture has been made available to the Trustees of the University of Illinois by Mr. Francis John Plym, of Niles, Michigan. The conditions under which this scholarship is to be bestowed will be determined by the Trustees. For the present it is understood that it will be given each year to a graduate of the Department of Architecture for the purpose of foreign study and travel.

An American Sculptor Dead

Larkin Goldsmith Mead, an American sculptor and brother-in-law of William Dean Howells, died in Florence, Italy, on October 15. His more prominent works in this country are the national Lincoln monument at Springfield, Ill., the soldiers' monument at St. Johnsbury, Vt., and the statues of Ethan Allen in the National Art Gallery, Washington, and in the State Capitol at Montpelier, Vt.



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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

DADEVILLE.—Methodist Congregation has decided to erect edifice.

MOBILE.—Bids will be received until noon, Nov. 1, for erection of two-story brick business building at Royal and St. Anthony Sts. for W. D. Bellingrath. Stone Bros., 109 Lowenstein Bldg., architects.

MONTGOMERY.—Mayor Wm. A. Gunter, Jr., has recommended erection of fire station in southern part of city.

ARKANSAS

HELENA.—First Methodist Church is considering erection of \$50,000 edifice.

HOT SPRINGS.—H. H. Richards, 134 Van Buren St., Chicago, is preparing plans for erection of six-story hotel building for Chas. M. Rix.

CALIFORNIA

CORONADO CITY.—John B. Lyman, Jr., San Diego, is preparing plans for erection of bank building at Orange Ave. and Park Ave. for Bank of Commerce & Trust Co.

HUNTINGTON BEACH.—Holly Sugar Co., Colorado, will erect plant near this city. W. M. Wiley, President.

LOS ANGELES.—Plans for \$30,000 apartment house to be erected at Sunset boulevard and Bunker Hill St. for the American Finance & Realty Co. have been prepared by the Architectural Designing Co.

LOS ANGELES.—Santa Fe Springs Hotel & Sanitarium Co., Dr. C. Stuart Hutchinson, President, is planning to expend \$150,000 in improvements, including erection of hotel.

OAKLAND.—Plans for buildings to be erected at County Infirmary for care of tubercular patients have been amended by Board of Supervisors so as to come within the appropriation allowed, \$13,500. F. S. Voorhees, Architect.

PASADENA.—A local architect has completed plans for two-story, seven-room residence to be erected on West California St. for Brigadier General D. P. Heap.

POMONA.—Board of Trade has had plans prepared for erection of building. M. H. Wilson, President.

REDDING.—Union High School District will at once choose site for erection of proposed high school.

SACRAMENTO.—Farmers & Mechanics Savings Bank will erect \$175,000 5-story bank and office building on Eighth St. C. T. Gaiser, Architect.

Guaranty Title & Trust Co. will erect \$250,000 building at Seventh and J Sts.

SACRAMENTO.—Bids will be received Dec. 5 for erection of proposed court house after revised plans.

SAN DIEGO.—Citizens will vote Dec. 9 on proposition to build \$200,000 polytechnic high school.

SAN FRANCISCO.—W. G. Hind, Humboldt Bank Bldg., has prepared plans for erection of \$40,000 apartment house; steel contract let. Architect C. O. Clausen has prepared plans for erection of apartment house for M. C. Shaw on Washington St.

CONNECTICUT

BRIDGEPORT.—Marsh Bros. Co. has had plans prepared for erection of residence on William St.

Plans have been prepared by Architect W. J. Skinner for immediate erection of two residences in Derby for Mrs. E. E. Adams.

MANCHESTER.—Hartwell, Richardson & Driver, 62 Devonshire St., Boston, have finished revised plans for school building to be erected at the center and bids will be asked at once.

NEW HAVEN.—Architects Allen and Williams, 82 Church St., have prepared plans for erection of four-story \$30,000 building to be erected for Gately & Brennan.

NEW HAVEN.—Congregation Bnai Jacob is having plans prepared for erection of \$30,000 synagogue at 345 George St.

WATERBURY.—Site on Robbins St., Mt. Pleasant Park, has been purchased by Rt. Rev. Bishop J. J. Nilan for erection of Catholic church.

DELAWARE

WILMINGTON.—General Pulaski Club has had plans prepared for erection of \$23,000 clubhouse at Second and Justison Sts.

DISTRICT OF COLUMBIA

WASHINGTON.—Professor W. S. Small, Principal of Eastern High School, is urging \$150,000 appropriation for purchase of site for erection of high school.

FLORIDA

SANFORD.—Virginia-Carolina Chemical Co. will at once erect plant on First St.

WEST PALM BEACH.—Dramatic Stock Co. will erect theater on Clematis Ave. Judge W. I. Metcalf is interested.

GEORGIA

ATLANTA.—Atlantic Ice & Coal Corporation has decided to appropriate \$350,000 with which to build additional ice manufacturing and storage plants in Atlanta and additions on plants in Georgia and Florida. Ernest Woodruff, President.

ATLANTA.—Trustees of Grady Hospital will at once ask for bids for erection of proposed \$100,000 building.

BEACH.—Methodist Congregation is considering erection of edifice.

CRAWFORD.—City will, on Nov. 1, sell \$5,000 school bonds. R. S. McMahan, Clerk Council.

IDAHO

COEUR D'ALENE.—Coeur D'Alene College, Rev. B. Westerland, President, is having plans prepared for erection of gymnasium.

ILLINOIS

CARROLLTON.—Bids will be received until 2 p. m. Nov. 11 for erection of brick building and frame dwelling. Leroy McFarland, Jr., Secretary Eldred Drainage District.

CHAMPAIGN.—Wabash Railroad has selected site for erection of proposed passenger station. Henry Miller, St. Louis, Mo., General Manager.

CHICAGO.—Paul Gerhardt, Architect, Schiller Bldg., is preparing plans for apartment building to be erected for Gustave H. Poetsch at 4737 Dover St. Cost, \$112,200.

Site at W. Fifteenth St. and S. Fiftieth Ave. has been purchased by Catholic Bishop of Chicago for erection of Lithuanian church and school.

Frederick B. Skillman is considering erection of eight-story, \$250,000 hotel building at 228 S. Halsted St.

Trustees of the Central Manufacturing District are about to erect for J. L. Metz Furniture Co. six-story, \$90,000 building. Alfred S. Alschuler, Fort Dearborn Bldg., Architect.

OTTAWA.—Pleasant View Luther College Association has decided to erect a new ladies' dormitory, at cost of \$35,000.

ROCK ISLAND.—Bids will be received until Nov. 23 for erection of proposed post-office. James Knox Taylor, Washington, D. C., Supervising Architect, Treasury Department.

INDIANA

BRAZIL.—M. Johnson has completed plans for erection of apartment house for Chas. Minshall, Terre Haute. Bids will soon be asked.

EVANSVILLE.—J. H. Deakin will erect three-story apartment house on Chestnut St. Frank Ingle, Architect.

INDIANAPOLIS.—Eli Lilly & Co. will erect administration building on Alabama St.

INDIANAPOLIS.—Knights of Columbus order has decided to erect, at a cost of \$30,000, addition to building in North Illinois St.

Plans are being prepared for Mrs. Hannah Mansur and Mrs. Mary E. Hume for erection of building on East Ohio St.

INDIANA HARBOR.—Methodist church is considering erection of \$50,000 edifice.

MARION.—Site will be purchased for erection of annex to Y. M. C. A. building.

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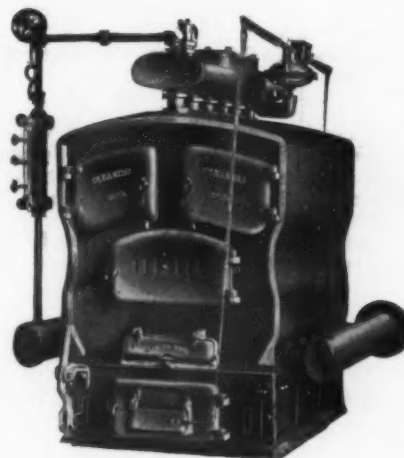
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MISHAWAKA.—Edward and Charles Mills are considering erection of business block on E. Second St.

MISHAWAKA.—Church to cost from \$75,000 to \$100,000 will be erected by E. G. Eberhart and others and presented to Methodists.

PORTLAND.—Rev. Earl Dunbar, Portland Methodist Church, is interested in proposed erection of \$5,000 edifice at Union.

SANDBORN.—Christian Church is considering erection of \$12,000 edifice. Nelson Carroll, Chairman Building Committee.

TERRE HAUTE.—Plans have been completed for erection of a second high school.

VINCENNES.—United Brethren Congregation is considering erection of edifice.

IOWA

CEDAR RAPIDS.—First Church of Christ, Scientist, will erect proposed edifice on Second Ave.

DES MOINES.—F. M. Hubbel is considering erection of \$500,000 hotel on river front.

DES MOINES.—D. S. Chamberlain is considering erection of hotel at Twelfth and Grand Sts.

LORIMOR.—Bids will be received until 8 p. m., October 31, for erection of town hall. H. L. Albert, Town Clerk.

SIoux CITY.—Clerics of St. Viator will erect boy's school at cost of \$100,000. Very Rev. Fr. Charlebois of Chicago, is interested.

KANSAS

KANSAS CITY.—City Commissioners have approved plans for \$200,000 city hall and public auditorium which city is to build on North Sixth St.; bids will be opened Nov. 1.

Chicago, Rock Island & Pacific Railway Co. will build a \$50,000 freight house at Third St. and Berger Ave.

NEWTON.—Board of Education is considering erection of \$75,000 school.

SILVERLAKE.—Architect F. E. Squires, 628 Kansas Ave., Topeka, has prepared plans for erection of \$10,000 school.

TOPEKA.—Architect N. P. Nielson, 48 Crawford St., has prepared plans for erection of number of schools.

KENTUCKY

CADIZ.—Plans will be received until Jan. 1 for erection of \$25,000 school. B. T. White, Secretary School Board.

LEXINGTON.—School Board has selected architects to prepare plans for proposed West End School.

LOUISVILLE.—Hugh L. Nevin has about perfected plans for erection of \$75,000 apartment house at Fourth Ave. and Oak St.

Architects Joseph & Joseph, Commercial Bldg., will take bids for erection of theatre at Eighteenth St. and Broadway.

Citizens National Life Insurance Co. will erect \$70,000 home in downtown district.

SHELBYVILLE.—J. C. Bayne, Bagdad, will erect residence on Main St.

LOUISIANA

ELTON.—Calcasieu Parish School Board will soon let contract for erection of school. W. Krielow, Jennings, Architect. John McNeese, Lake Charles, Parish Superintendent.

NEW ORLEANS.—Bids will be received about Nov. 1 by administration of Isaac Delany's Museum of Arts, 518 Iberville St., for erection of proposed \$135,000 art building. Leidenbaum & Marx, Chicago, Ill., Architects.

MAINE

BANGOR.—Jas. S. Howe, Jr., is considering erection of four-story brick building on Harlow St.

GREENVILLE JUNCTION.—State Y. M. C. A. will erect \$25,000 railroad Y. M. C. A. building. J. C. Smith, Waterville, Chairman.

MARYLAND

BALTIMORE.—Wm. H. Ponder will erect residence at Ten Hills. Glidden & Fritz, architects.

Jas W. Amos will erect seven two-story brick dwellings, cost \$12,000, on Edmondson Ave. J. F. Gerwig, 210 E. Lexington St., architect.

BALTIMORE.—Plans have been completed by Jacob F. Gerwig, 210 E. Lexington St., architect, for twelve two-story brick dwellings, to be erected on Chelsea Ave. for A. Warren Edwards; cost about \$30,000.

Glidden & Fritz are preparing plans for another residence to be erected at Ten Hills for L. D. Davis. Cost about \$8,000.

George M. Mackenzie, architect, Govans Bldg., is drawing plans for \$10,000 Sunday School room to be erected in connection with the Govans Methodist Episcopal Church.

BALTIMORE.—The H. H. Babcock Company, Fayette and Hanover Sts., is planning to build a new building uptown.

Becker Brothers & Son will start work soon on \$100,000 building to replace one at Lexington and Frederick Sts. Theodore Wells Pietsch, Architect.

James M. Amos will build seven two-story brick dwellings on Edmondson Ave., to cost about \$12,000. Jacob F. Gerwig, 210 E. Lexington St., Architect.

BALTIMORE.—Proposed Lutheran church will be erected at Garrison and Bateman Aves. Rev. Dr. H. W. Hartman, Highland Ave., Walbrook, is interested.

Zion Church has had plans prepared for erection of parish house at Lexington and Holliday Sts.

Council is considering \$15,000 appropriation for erection of detention hospital.

BALTIMORE.—Carl R. McKendrick will erect residence at Ruxton.

W. Elbert Sexton has had plans prepared by Mottu & White, Professional Bldg., Architects, for a residence to be erected at Roland Park; bids now being received.

Archer & Allen, Architects, Central Savings Bank Bldg., have completed plans for \$25,000 public comfort station to be erected at Harford and Greenmount Aves.

MASSACHUSETTS

BOSTON.—Mayor Fitzgerald has recommended purchase of site in the Fenway for erection of proposed High School of Commerce.

HAVERHILL.—Lithuanian parish will erect edifice at River St. and Woodmont Ave.

HOLYOKE.—Dr. G. C. Robert is planning to erect 26-apartment block at Cabot and Chestnut Sts.

Architect Oscar Beauchemin has prepared plans for erection of residence for Jos. Boyer.

A. J. McDonald will soon begin erection of three-apartment block.

REVERE.—Bids will be received until 8 p. m., November 2, for erection of school on Malden St. T. W. Gillette, Secretary Special Committee.

MICHIGAN

DETROIT.—Baxter & O'Dell, Hammond Bldg., are designing a four-story 32-apartment building to be erected on Center St. for H. C. Hodges; also two-family flat on Hancock St. for Arthur Schlesinger.

LANSING.—Free Methodists will erect edifice on Madison St. Rev. A. E. Warren, Pastor.

MAPLE RAPIDS.—Fisher Bros., Beaudette Bldg., Pontiac, are preparing plans for school. O. M. Snyder, Secretary, Board of Education.

MONROE.—Council has appointed committee to view building sites with idea of erecting city hospital.

MINNESOTA

AURORA.—School District No. 13 will vote on \$45,000 bonds to erect proposed high school; also school at Knox and Adriatic mines.

BAUDETTE.—Town destroyed by fire will be rebuilt; school house to be erected at once.

CHISHOLM.—Architect Edward Sarvari, Virginia, has been selected by Finnish people of this village to design new hall that will be erected at a cost of \$15,000; work on excavating begun.

EVELETH.—School Board is considering erection of \$60,000 primary school in Adams District.

LAUREL.—First Methodist Church is receiving bids for erection of \$25,000 edifice.

ST. PAUL.—Plans have been drawn by Architect A. H. Wheeler, Globe Bldg., for \$5,500 residence to be erected on corner of Portland Ave. and Pierce St. for J. W. Martin.

John M. Carlson, 227 W. Fifth St., will build on Dayton Ave. a 2-story brick duplex residence.

ST. PAUL.—Orthodox Jewish Congregation of Hill District is considering erection of temple. Jos. Levy is interested.

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AGENCIES IN ALL PRINCIPAL CITIES

ST. PAUL.—The Low German Society is looking for site for erection of a \$100,000 clubhouse after old-fashioned German plan. L. F. Schultz, Chairman, Site Committee.

ST. PAUL.—Watson P. Davidson, Pioneer Press Bldg., will erect at 413-417 Sibley St. a three-story, \$35,000 brick building. J. W. Lusk, President, National German American Bank, will erect residence on Summit Ave.

L. A. Plaster, 74 West Summit Ave., will erect on Summit Ave. a \$10,000, three-story brick apartment building.

St. Bernard's Catholic Church will erect \$17,000 Sisters' Home on Rose St.; work on foundation begun. Plans being drawn by Architect John E. Fisher.

MISSISSIPPI

BILOXI.—Board of Trustees of Seashore Camp Grounds has decided that plans and specifications be made for tabernacle and school building, and that bids be advertised for construction of buildings.

JACKSON.—Bids will be received until Nov. 3 for erection of dormitory and dining hall at Mississippi Industrial Institute. R. H. Hunt, News Bldg., Chattanooga, Tenn., architect. J. S. Sexton, President, Board of Trustees.

MISSOURI

KANSAS CITY.—Chittenden-Eastman Furniture Co., Burlington, Ia., will erect factory in this city.

MOBERLY.—Architect U. S. A. Houk has prepared plans for erection of \$8,000 store building.

ST. LOUIS.—Board of Education is considering erection of \$200,000 school at Gano Ave. and Enly St.

ST. LOUIS.—Crane Co. is considering erection of \$250,000 warehouse at Eleventh and Gratiot Sts.

ST. LOUIS.—Architect P. J. Broadstreet, Leggett Bldg., is preparing plans for \$8,000 residence to be erected on Parkview Place.

Architects Duggan & Huff, Century Bldg., are preparing plans for \$15,000 theatre building to be erected on Jefferson Ave.

MONTANA

BILLINGS.—Chamber of Commerce is interested in proposed erection of auditorium.

NEBRASKA

BLOOMINGTON.—County will vote on tax levy for erection of court house.

OMAHA.—Farmers' Co-operative Creamery Co. will erect factory.

Plans for a new depot, which will be erected at Forty-fourth and Q Sts., have been submitted by the Burlington for the inspection of city officials.

RUSHVILLE.—County will vote November 8 on \$10,000 bonds for county jail and sheriff's residence.

NEW HAMPSHIRE

EXETER.—Phillips-Exeter Academy is considering erection of library and dormitory.

NEW JERSEY

ATLANTIC CITY.—Chas. B. Prettyman, Philadelphia, Pa., will erect eight-story brick and stone hotel on Pacific and Maine Aves., to cost \$100,000, also six-story addition to the Hotel Merion.

BRIDGETON.—Commercial League is interested in proposed establishment of plant for making steel castings; ten buildings will be erected.

ELIZABETH.—Committee on new high school has asked Board permission to select its own architect, who will draw plans and have charge of the work erecting proposed building.

Bids will be received until Nov. 1 for erection of brick barn at Almshouse. Oaklev & Sons, 280 N. Broad St., Architects. Geo. H. Schlotterer, Chairman Committee on Public Buildings.

HACKENSACK.—Citizens have defeated proposition to erect high school; vote will now be taken on erection of grammar school.

JERSEY CITY.—David J. Murphy will erect two eight-family dwellings, cost \$36,000, on Monticello Ave. Hymen Rosensohn, 745 Broad St., Newark, Architect.

JERSEY CITY.—Plans are being prepared by Architect Frederick Hensel for Hudson County Consumers Brewing Co. for erection of \$8,000 garage.

JERSEY CITY.—Bids will be received Nov. 22 for erection of proposed Technical and Industrial High School at Newark and Palisade Aves.

LINDEN.—Board of Education has decided to submit plans and specifications to building architect, Louis Quien, of Elizabeth, so that they might be rearranged to permit of bids within the specified amount of \$84,000.

LONG BRANCH.—The Keansburg Yacht Club will erect clubhouse early next spring. W. S. Bailey, Commodore.

MONTCLAIR.—Erection of \$200,000 addition to high school and two school buildings is being considered.

NEWARK.—Wm. H. Frey will erect three-story frame flat, cost \$35,000, to be erected at 697 S. Twentieth St. Wm. K. Schoenig & Sons, 418 Springfield Ave., Architects.

NEWARK.—Bids will be received until 3:15 p. m., Nov. 9, for erection of Montgomery School. R. D. Argue, Secretary, Board of Education.

NEWARK.—Architect Alfred Walters, 45 Clinton St., has completed plans for erection of number of buildings.

Rizzolo & Gonnelli, 800 Broad St., have drawn plans of a four-story apartment house, sixteen apartments, costing \$12,000, which Michael Perrotty will build at 54 Madison St.

PRINCETON.—Revised plans are being prepared by Renwick, Aspinwall and Tucker, 320 Fifth Ave., New York City, for erection of residence for F. G. Landen, of New York City.

TRENTON.—King Candy Co. will erect \$20,000 apartment house and factory building at West Hanover and Chancery Sts. Wm. P. Enderbrock, Architect.

St. John's Episcopal Church will erect parish hall at South Clinton and Lakeside Aves. Rev. S. Norris Craven, Pastor.

Erection of addition to police station on Chancery St. is being considered.

TRENTON.—Council is considering \$80,000 appropriation for building Rutherford Ave. school and \$9,000 for rebuilding walls of Cook school.

NEW MEXICO

CLAYTON.—Attorneys Easterwood and Eaton will erect brick buildings on Main St.

NEW YORK

ALBANY.—Bids will be received until 3 p. m., Nov. 7, for erection of police station on N. Pearl St. I. Wachsman, Secretary Board of Contract and Supply.

BINGHAMTON.—Board of Education has asked Council to secure plans for proposed high school.

ELMIRA.—The W. R. Compton Realty & Building Co. will erect a 1-story business block on Railroad Ave.

HUDSON FALLS.—Chas. G. Ogden, 59 State St., Albanay, will prepare plans for erection of \$30,000 edifice for First M. E. Church. Rev. J. H. Atwell, Pastor.

JERICO, L. I.—Plans are being prepared for erection of residence on Old Glen Cove Road for Mrs. Virginia Fair Vanderbilt.

LE ROY.—County is considering erection of tuberculosis hospital. Address Supervisor McVean.

LOWERRE.—John Kirby, 851 Fifth Ave., New York City, is receiving bids for erection of \$50,000 Catholic Church. Rev. Richard Hughes, pastor.

NEW YORK.—Legal Realty & Mortgage Co., 5 Beekman St., will erect twelve-story \$225,000 brick loft at Lafayette and Fourth Sts. Herter Bros., same address, architects.

Ebling Brewery Co. will erect \$6,000 brick garage at St. Ann's Ave. and 156th St. Fred Hammond, 391 E. 149th St., Architect.

Pelham Hoffman Realty Co., Rudolph Simon, 1842 Washington Ave., President, will erect one-story brick stores and amusement hall on Huffman St. at cost of \$25,000. Goldner & Goldberg, 704 Jackson Ave., Architects.

NEW YORK.—Henessey Realty Co., J. Polstein, President, will erect eight-story \$400,000 apartment house on Eighty-third St. Schwartz & Gross, 347 Fifth Ave., Architect.

M. L. Caroll and A. L. Townsend will erect three-story \$17,000 brick stable on Washington St. H. C. Pittman, 22 East Twenty-first St., Architect.

NEW YORK.—G. F. Johnson, Seventy-second St. and Riverside Drive, will erect 4-story \$175,000 brick theatre on Extra Place. G. Kerster, 12 W. Thirty-first St., Architect.

A. F. Eno, 13 S. William St., will erect 4-story \$10,000 brick store and lofts on Front St. J. H. Whitenack, 99 W. Third St., Architect.

R. I. Brown, 162 W. Seventy-sixth St., will expend \$2,000 in improving residence on 129th St. Reiley & Steinback, 481 Fifth Ave., Architect.

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NEW YORK.—Robert A. Chesebrough will erect five-story, \$80,000 dwelling at Madison Ave. and Seventy-first St. A. J. Bodker, 25 W. Thirty-second St., Architect.

Plimpton Construction Co., Nathan Cohen, Plimpton Ave., President, will erect four two-story dwellings, cost \$27,000, on Cedar Ave. J. J. Vreeland, 2019 Jerome Ave., Architect.

NEW YORK.—Rouse and Goldstone, 12 W. Thirty-second St., are preparing plans for erection of twelve-story hotel on Fifty-fifth St., near Broadway.

General contract for erection of eleven-story \$200,000 addition to Oppenheim, Collins & Co. building has been awarded to Chas. A. Govan & Co., 1123 Broadway. Buchman & Fox, 11 E. Fifty-ninth St., architects.

C. Pull will erect five three-story brick dwellings on 173d St. Cost \$30,000. C. S. Clark, 443 Tremont Ave., architect.

NEW YORK.—Department of Charities will soon ask bids for erection of \$60,000 industrial school on Randall's Island. W. T. Flanagan, 5 E. 26th St., Architect.

Louis Schramm, 426 W. Twenty-sixth St., will erect \$50,000 warehouse at 432 W. Twenty-sixth St. C. M. Straub, 147 Fourth Ave., architect.

NIAGARA FALLS.—Architect J. E. Wright has prepared plans for home for Niagara Falls Exempt Firemen's Association to be erected on Third St.; plan to erect home at Walnut Ave. and Sixth St. abandoned.

NORTH TONAWANDA.—Church of Our Lady of Cestochowa will erect edifice on Olive St. next spring.

OSWEGO.—Citizens have voted to raise \$45,000 for erection of two schools on east side of river.

ROCHESTER.—Catholic chapel of St. Salome at Sea Breeze will be rebuilt in spring. Rev. J. F. Staub, Holy Redeemer Church, city, is interested.

ROCHESTER.—Plant of Rochester Gas Engine Co., 707 Lexington Ave., will be rebuilt. Jas. S. Graham, 485 University Ave., President.

ROCHESTER.—J. W. Sturandt Manufacturing Co. will erect factory on Lyell Ave.

ROME.—J. H. Carroll has had plans prepared for erection of theatre.

SYRACUSE.—Architect Ward W. Ward has completed plans for \$8,000 residence which Captain John B. Tuck, National Guard, will build for a home at Allen St. and Concord Pl.

SCHENECTADY.—Day Nursery is considering erection of building. Mrs. J. L. Fitzgerald, 831 Union St., is interested.

TARRYTOWN.—Armour & Co. are preparing to erect \$40,000 refrigerator warehouse. R. C. Clarke, 205 La Salle St., architect.

WHITE PLAINS.—John C. Moore has prepared plans for erection of residence for C. J. Beakes of New York Central Railroad.

YONKERS.—Chas. S. Clark, 443 Tremont Ave., New York City, has prepared plans for erection of brick and marble residence in Sherwood Park for Jos. Tesoro.

OHIO

CINCINNATI.—H. W. Beneker is planning to erect two residences on Glenwood Ave., Avondale.

CINCINNATI.—Herbert L. Pachoud is considering erection of number of residences on Williams Ave.

CINCINNATI.—Drs. N. W. and C. C. Abbott will erect two modern residences in Clifton at cost of \$14,000. H. H. Seinsheimer Paper Co. will erect two-story \$50,000 reinforced concrete warehouse on McLean Ave.

CINCINNATI.—Architect Lou Dittoe is preparing plans for \$50,000 manufacturing plant for the Bode Realty Co., on the east side of Central Ave.

CLEVELAND.—Chas. Orr, Director of Schools, will purchase sites for erection of five schools.

CLEVELAND.—Plans are being prepared by Architects White & Shupe, Schofield Bldg., for two new residences to be built on Shaker Heights, one for R. L. Andrews and the other for C. C. Wise. Cost, from \$10,000 to \$12,000 each.

Collinwood Methodist Church will erect new building. Architects Maurer & Mills have been commissioned to prepare plans.

CLEVELAND.—Architects Brunner and Carrere, of the group plan commission, have approved plans of Architect Milton Dyer, Cuyahoga Bldg., for Warrensville tuberculosis hospital.

COLUMBUS.—Architects Stribling and Lum, 85 N. High St., are drawing plans for a three-apartment building to be erected on Hildreth Ave. for W. F. Hutchison.

Architect H. C. Jones, Desher Block, is drawing plans for frame residence to be erected on Hildreth Ave. for H. L. Johnson.

LIMA.—Bids will be received until noon, Nov. 10, for building foundations for Infirmary "A"; Infirmary "B"; Women's Pavilion; and Isolation Pavilion; Frank L. Packard, New Hayden Bldg., Columbus, architect. S. A. Hoskins, Chairman Board of Commissioners.

SANDUSKY.—Suspension Roller Bearing Co. will erect number of buildings.

TOLEDO.—Board of Education will open bids Dec. 5 for erection of two high schools after revised plans.

TOLEDO.—Gendron Wheel Co. will erect \$25,000 addition to plant at Superior and Orange Sts. Langdon & Hohly.

TOLEDO.—Bacon & Huber, The Spitzer, have prepared plans for erection of addition to building on Wheeling St.

W. B. Geroe is having plans prepared by Bacon & Huber, The Spitzer, for six-apartment flat building to be erected at 2121 Jefferson Ave.

UTICA.—Architect C. L. Inscho, Brunson Bldg., Columbus, is drawing plans for four-story building to be erected for W. B. Vance.

YOUNGSTOWN.—Bids will be received until noon, Nov. 11, for erection of school at Truesdale and Charlotte Aves.; also for erection of school in Brier Hill District. Kling & Zenk, Architects. W. N. Ashbaugh, Director of Schools.

OREGON

KLAMATH FALLS.—Union Meat Co. will erect warehouse and office building. C. F. Conrad, Manager.

PORTLAND.—H. B. Dabney is interested in proposed erection of modern business building at Grand Ave. and E. Pine St.

Thos. H. Garland will erect apartment house at Washington and Twentieth Sts. Williams & Rasmussen, Architects.

Roberts & Roberts, Architects, are preparing plans and specifications for \$30,000 laundry building, which will be built on corner of E. Sixth and E. Oak Sts., for Charles S. Hacker.

PORTLAND.—Complete plans for proposed \$400,000 Lincoln High School have been presented to the Board of School Directors by Architects Whitehouse & Foulhoux.

Building Committee of the Multnomah Amateur Athletic Club has settled upon plans for \$175,000 club home, to be built on Salmon St.

PORTLAND.—Webster & Williams, Fashion Stables, are having plans prepared for erection of \$25,000 building.

National Coal Storage & Ice Co. will at once erect \$35,000 annex on East Washington St.

PENNSYLVANIA

AMBLER.—C. E. Schermerhorn and Watson K. Phillips, Associate Architects, 430 Walnut St., Philadelphia, have completed preliminary drawings and specifications for three-story stone residence to be erected for Mr. Harvey B. Allen; bids received by owner not later than October 26.

BALA.—John R. K. Scott has had plans prepared by Frank Seeburger, Philadelphia, for erection of six modern houses on Upland Terrace and Birch Ave. Cost, \$36,000.

CHESTER.—First United Brethren Congregation will erect chapel at Philadelphia and Newberry Sts. Plans being prepared.

CHESTER.—Brigadier General W. G. Price, Jr., will erect fifty dwellings on Parker St.

HARTSVILLE.—Log College Association will erect auditorium and other necessary buildings.

INGRAM.—Plans are made on bids being asked on two brick houses on Stowe and Stanley Sts., on the plan of M. J. McMahon.

LEBANON.—The World's Cigar Co., St. Paul, Minn., will erect plant in this city.

PHILADELPHIA.—Architect E. Allen Wilson, Land Title Bldg., has completed plans for a 3-story office building at Thirty-ninth St. and Lancaster Ave. for Thomas Collier.

PHILADELPHIA.—Architect Horace Trumbauer, Land Title Bldg., has completed revised plans for erection of \$500,000 addition to Union League building, Fifteenth and Sansom Sts.

Architects Ballinger and Perot, 1211 Arch St., have prepared plans for erection of granite chapel at Tioga and Weymouth Sts. for St. Philip's M. E. Church.

PHILADELPHIA.—Architects Ballinger & Perot, 1211 Arch St., have invited revised bids for eight-story building for Leo and Arthur A. Niessen, at corner of Twelfth and Race Sts.



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PHILADELPHIA.—Jewish Congregation of Frankford is considering plans for erection of \$10,000 synagogue on Paul St. Architect E. Allen Wilson, Land Title Bldg., has completed plans for forty two-story houses to be erected on Locust St. for John C. Knox.

Park Commission is considering plans for erection of large municipal convention hall. John T. Windrim, Commonwealth Bldg., architect.

PHILADELPHIA.—Plans are in preparation by H. H. Markley for six two-story flat houses to be built on Markoe St. at a cost of \$6,500 each.

PHILADELPHIA.—Ballinger & Perrot, Architects, 1211 Arch St., have completed plans and specifications and invite bids for a chapel, to be erected at corner of Tioga and Weymouth Sts., for St. Philip's Methodist Episcopal Church, under auspices of the Philadelphia City Mission and Church Extension Society, who also plan erection, at a later date, of a large church adjoining the chapel on the corner of Tioga and F Sts.

PITTSBURG.—Architect R. M. Trimble, Ferguson Bldg., has completed foundation plans for three-story brick and terra cotta building to be constructed on Butler and Forty-fifth Sts. for Lawrenceville Branch Y. M. C. A., to cost \$125,000; architect will soon take bids on foundations only.

PITTSBURG.—Building Committee, Pittsburg Presbytery, has adopted plans by Ballinger and Perot, 1211 Arch St., Philadelphia, for erection of dormitory for Western Theological Seminary. Rev. Dr. Jas. A. Kelso, President of Seminary.

PITTSBURG.—Architects Palmer & Hornbestel, Empire Bldg., have prepared plans for erection of annex to Rodelper Shalom temple.

ROCHESTER.—Dr. J. C. Kunzman, Philadelphia, will erect four-story brick business block at lower Brighton and Pleasant Sts.

SCRANTON.—Plans for a \$50,000 club house and gymnasium are now being evolved by Hebrew Institute Association. Rabbi W. Gold, Linden St. Temple, is interested.

WILKES-BARRE.—Architects Reiley & Schroeder, Bennett Bldg., have prepared plans for erection of station house.

WILLIAMSPORT.—South Williamsport School Board has purchased site for erection of school.

WILLIAMSPORT.—W. H. C. Huffman & Sons will erect modern garage on Third St.

RHODE ISLAND

CRANSTON.—Council has decided to purchase site on Cottage St. for erection of school.

WESTERLY.—Town has decided to erect proposed town hall at Union and Broad Sts.

SOUTH CAROLINA

CHARLESTON.—N. Sottile will erect building at corner of King and Market Sts.

Bids will be received until noon, Nov. 4, for erection of Administration Bldg. of Lutheran Theological Seminary. Rev. C. A. Freed, Secretary; C. M. Robinson, Richmond, Va., Architect.

TENNESSEE

CHATTANOOGA.—Architects J. G. Barnwell and C. J. Jones have prepared plans for erection of five-story building on Eleventh St.

NASHVILLE.—Bids will be received until noon, Oct. 31, for erection of addition to Ross School on Ordway Pl. Asmus & Norton can be addressed.

Hospital, cost \$250,000, will be erected at Sixteenth Ave. and Division St. by Tennessee conference, M. E. Church, South. J. G. Carpenter, Architect. A. B. Ransom is interested.

NASHVILLE.—Plans have been prepared by J. Benner Fletcher, Homestead Bldg., for erection of two store houses at Twenty-second Ave. and Church St. for J. D. Fletcher.

TEXAS

CLEBURNE.—Olive Lodge, No. 31, K. of P., has decided to erect Pythian temple.

DALLAS.—Breihan-Kaplan Co. is having plans prepared for erection of two-story brick business house on Main St.

DE LEON.—Citizens have voted bonds for erection of city hall. Work will begin at once.

EAGLE PASS.—Bids will be received until Nov. 19 for erection of proposed post office. Jas. K. Taylor, Washington, D. C., Supervising Architect, Treasury Department.

EL PASO.—Bnai Zion Hebrew Congregation is considering erection of temple on North El Paso St. J. Snider, president.

EL PASO.—Congregational Church has purchased site at Williams and Rio Grand Sts. for erection of edifice.

FLORESVILLE.—Council is considering election on \$18,000 bonds to erect school.

HOUSTON.—Home Telephone Co. is having plans prepared for erection of telephone exchange. F. E. Ebersole is interested.

HOUSTON.—Firm of Mauran & Russell has been selected as supervising architects for erection of \$1,000,000 hotel on present site of Rice Hotel.

HOUSTON.—Home Telephone Co. will erect building at Rusk Ave. and Caroline St. Plans being prepared.

ORANGE.—First Methodist Church has decided to erect edifice at Elm and Sixth Sts.

SAN ANTONIO.—Building Committee of Chamber of Commerce has decided on plans for erection of large building. Jake Wolff and L. J. Hart are interested.

SWAN.—Baptist Church has accepted plans for erection of edifice.

UTAH

SALT LAKE CITY.—Dallas & Hedges, architects, will prepare plans for erection of school on Eleventh South St.

VERMONT

BURLINGTON.—Architect Frank L. Austin will prepare plans for erection of new Lamoille County buildings at Hyde Park.

VIRGINIA

ALEXANDRIA.—Methodist Episcopal Church, South, is considering erection of parsonage on S. Washington St.

HARRISBURG.—Site at end of Gay St. has been secured for erection of school. Plans being prepared.

NATIONAL SOLDIERS' HOME.—Bids will be received by John T. Hume, Treasurer, Southern Branch, N. H. D. V. S., until 1:30 p. m., Nov. 10, for constructing three barracks.

NEWPORT NEWS.—Max Levinson will erect \$5,000 packing plant near Hampton and Thirty-sixth Sts.

NORFOLK.—Finance Committee is considering \$55,000 appropriation for police station.

WASHINGTON

PASCO.—Gus Harris, Walla Walla, is considering erection of two-story concrete building.

SPOKANE.—Bids have been rejected for replacement of South Central High School; new building, cost \$450,000, is being considered. H. W. Allen, President, Board of Education.

SPOKANE.—Broadview Dairy Co. will erect \$25,000 plant. Frank Flood, General Manager.

SPOKANE.—Fred Markwell will erect residence at Nineteenth and Ray Sts.

SPOKANE.—Frank Hogan, Percy Howell and W. G. Davidson will erect residences on Wellington Place, Audubon Park, at total cost of \$41,000.

John Gander will erect \$6,000 residence on Sharp Ave. C. Harvey Smith, Eagle Bldg., Architect.

WALLA WALLA.—Walla Walla College, M. E. Cady, President, will rebuild structure destroyed with loss of \$75,000.

WEST VIRGINIA

HUNTINGTON.—John Rau, Sr., will erect business block on Fourth Ave.

MORGANTOWN.—Erection of armory is being considered. Lieutenant Price is interested.

WARWOOD.—Protestant Episcopal Congregation is considering erection of edifice.

WHEELING.—J. E. Moss Iron Works, Schmulbach Bldg., will erect plant.

WISCONSIN

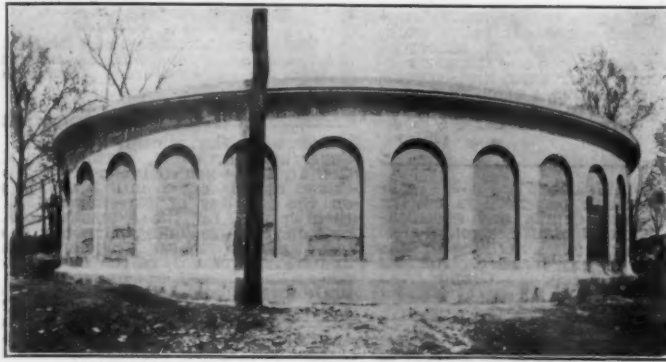
BELOIT.—St. Peters Church, South Beloit, is considering erection of \$15,000 edifice.

CHIPPewa FALLS.—J. W. Keogh, Chicago, will erect factory. Progressive League is interested.

FOND DU LAC.—Turn Verein is considering erection of modern brick building.

MADISON.—Sisters of St. Mary will erect \$75,000 hospital.

MILWAUKEE.—Architects Ferry & Clas, 419 Broadway, have prepared plans for erection of temporary stores at Wells and Third Sts. for Patrick Cudahy.



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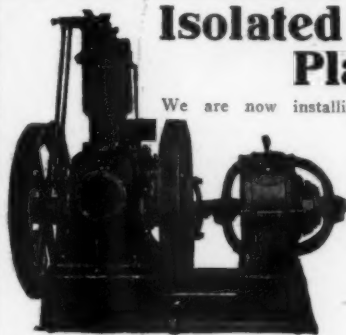
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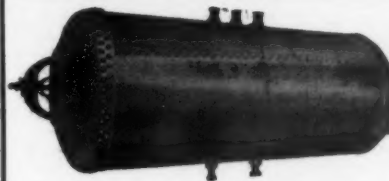
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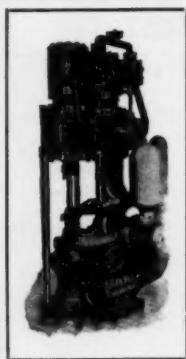
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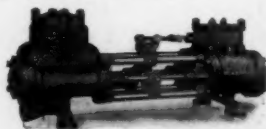
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are made of pure English ground colors, mixed with pure linseed and other wood-preserving oils—the best shingle preservatives known. That's why they're waterproof—why they prolong the life of the shingles—why the colors last.

Dexter Brothers' English Shingle Stains are made in 900 stock colors. Special colors mixed to order without additional cost.

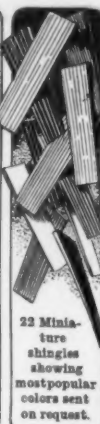
We co-operate with the architect in every way. Our booklet gives interesting facts and information, and we gladly furnish additional special information to cover special conditions on request.

Ask for our sample miniature shingles.

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Makers of Dexter Brothers' Petrifax, a waterproof coating for exterior and interior use on cement, brick, plaster, etc.

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22 Miniature shingles showing most popular colors sent on request.

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ONE of the latest instances of the growing appreciation by engineers of the superiority of RAYMOND CONCRETE PILES over spread footings is the foundation for the 56-acre plant of the American Sheet & Tin Plate Company, at Gary, Indiana, that we are now building.

SPREAD footings, entailing about 150,000 yards of excavation, were originally specified. RAYMOND CONCRETE PILES are being substituted at a saving of nearly 100,000 yards of excavation and 15,000 cubic yards of concrete. Except for the deep machinery foundations in certain portions of the plant, excavation would have been eliminated almost entirely.

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"Richardson" Boilers

For Steam and Water

*Thousands in Use
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W. S. PHILLIPS
Architect

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ART METAL CONSTRUCTION CO.

are the originators in the adaptation of Sheet Steel for the furnishings of Public Buildings of every character. Their resources are unlimited—Capitalized for \$1,750,000—Factory capacity 7 acres of floor space and employing 1200 skilled mechanics—ARCHITECTS and OWNERS ARE SOLICITED.

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SIMPLE SYMMETRICAL STORM-PROOF EFFECTIVE
FOR PERFECTLY VENTILATING BUILDINGS OF EVERY CHARACTER

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We have the largest and best equipped manufacturing plant for that purpose in the world

ARCHITECTS, ATTENTION!

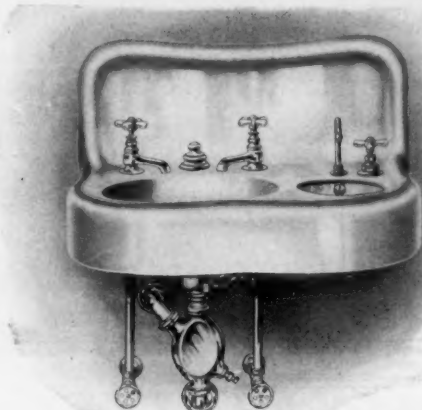


Plate G-194 (Patent applied for)

Here is something you have been looking for a long time, a combination lavatory and dental basin cast integral. Absolutely new and unique, and a fixture that will fill a long-felt want. Furnished with special fittings as shown, which include bi-transit waste, three four-arm china handle and china index compression cocks, supply pipes with wheel handles, flask trap, special waste connection, and flushing fixture for dental basin.

DIMENSIONS	LIST
Slab.....20 in. x 27 in.	Enameled inside, less fittings.....\$26.50
Height of back.....10 in.	Enameled all over, less fittings.....28.50
Depth of apron.....5 in.	Fittings as shown and described, complete. 27.50
Lavatory bowl 12 in. x 14 in.	If trap is not wanted, deduct.....5.00
Dental bowl.....7½ in.	

NOTE: With the exception of the trap all the above fittings are made especially for this lavatory and must be furnished. This fixture is fitted up, water turned on and all fittings are carefully tested before shipment.

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With or Without Our Solo
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If tonal effects that "charm" are desired it should be an **AUSTIN**.

It cannot be imitated elsewhere, as we are the inventors and patentees of the famous **Austin Universal Air Chest System**. If unacquainted with it, you will be greatly surprised at the many advantages provided, both tonally and mechanically.

Write for descriptive book, which fully explains our work.

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Medusa White Portland Cement
used for entire exterior plaster.

Medusa Waterproofing

(Patented Apr. 23, 1907)

Makes concrete impervious to water and gives absolutely permanent results. Does not affect strength, setting, or color of Portland cement. Not a wash or an experiment.

Write for prices and illustrated pamphlets giving instructions for use.

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Medusa Products Signify Quality Annual Production, 1,500,000 Barrels.





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This particular Bath House was equipped with Speakman Showers with Non-scalding Regulating Valves.

The above letter is one of many such letters which we have received commending our Shower fixtures.

Catalogue "G" sent upon request

SPEAKMAN SUPPLY AND PIPE CO.

WORKS: WILMINGTON, DEL.

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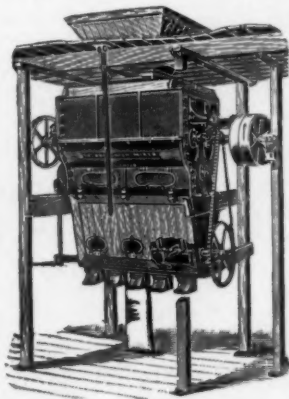
(We are in Sweet's Index)

THE MIXER THAT MIXES

hair or fiber with plaster the way it should be done. All working parts and mixing chamber of the

Broughton Mixer

are made of Iron and Steel. Paddles in screw form are placed on two shafts running in opposite directions, lift the material from the bottom of the case and throws it in opposite directions from one end of the case to the other, keeping it in constant motion and obtaining a perfect mixture.



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An efficiency that results automatically from the distinctive construction principle of

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is shown by the above illustration.

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Any concrete or cement worker can easily install the system

Write for our Construction Data and Table of Safe Loads.

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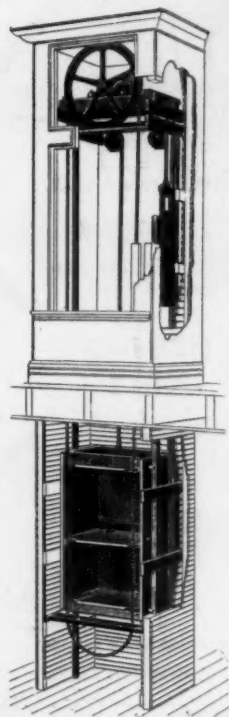
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We make a special study of special conditions.

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Annual Output 8,000,000 Barrels

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The Perfect Equipment

of the Mullins factory, together with the skill and experience of the Mullins artisans, makes the great line of

Mullins Art Architectural Sheet Metal Work and Statuary



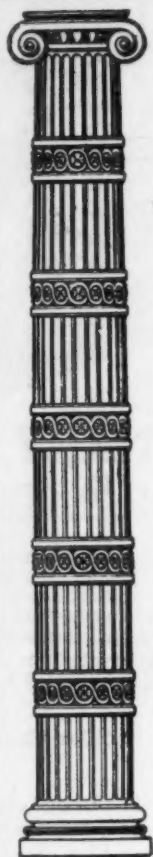
the most comprehensive and beautiful in the country. Each piece is perfectly shaped thus insuring sharp, clean and beautiful effect.

All joints are riveted and soldered, combining strength, durability and smooth finish.

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Highest Grades of
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BEAUTIFY any building on which they are used. Artistic in design, handsome, durable, never leak. Made from Roofing Tin and galvanized after being formed.

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HAVE been used on some of the largest and best known buildings in the country.

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It is conveniences that count. Add to the lighting, heating and plumbing systems in your houses a cleaning system of equal efficiency and convenience and you'll have more people after them and at better prices. Ask now about the

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The illustration shows how it is installed. To clean any room attach end of hose to pipe-opening on that floor, press the electric button and a suction of 170 cubic feet or 300,000 cubic inches per minute draws in all the coarse dirt and all the fine dust from carpets, curtains, walls, etc., and all the germ-laden air.

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We make larger sizes of the TUEC Air Cleaning Machines for hotels, schools, apartment houses, public buildings, etc. Write for further information.

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Easy to install in any house now built or under construction. A great investment—increases the value of your property far more than the cost of the system.

You should know all about it. Takes a booklet to tell. **Write today.**



The "NEVER SPLIT"

Is Solid All The Way Around

as each joint is made as strong as the straight-grained hardwood pieces by the use of

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after ends of pieces have been tongued, grooved and glued. These bolts permanently clamp pieces together.

The "NEVER SPLIT" is guaranteed for five years not to split or spread at joints and its construction is a guarantee in itself.

Consider its construction and fine piano finish—then decide whether you know of a better seat.

Write for small model seat—it shows construction

Costs no more than ordinary seats

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See to it that the roof is as permanent as the foundation, because the roof is just as important.

Specify a roof that cannot leak, no matter what the climatic conditions—that cannot burn under any kind of a fire test—that will keep your buildings cool in summer and warm in winter.

The only roofing that fulfils these requirements is



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Covered with 100,000 square feet of J-M Asbestos Roofing

J-M Asbestos Roofing

Made of Asbestos (stone) fibre and genuine Trinidad Lake Asphalt, it is practically indestructible. It is as permanent as the rock foundation you build on, and defies weather, time, fire, gases, chemical fumes, etc.

No skin coat of paint or gravel surface to wear away. No painting bill or repair bill.

Its first cost is the only cost. See the blow-torch test illustrated below. Any other ready roofing would burn like tinder in a few minutes if subjected to such a test.

Ask us for a piece of Asbestos as it comes from the mines. Write our nearest branch for sample and Catalog 303.



In this test the flame of a powerful blow-torch was placed within two inches of J-M Asbestos Roofing. At the end of fifty minutes the roofing was not burned or injured, being only slightly blackened with smoke.

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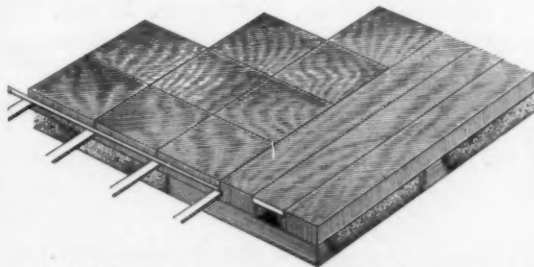
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STEEL-WOVEN OAK FLOORING

FOR FIREPROOF BUILDINGS

No big beams are inserted in the concrete. No sticking of blocks to concrete and tearing loose with change of season. The floor lies solidly of its own weight. In case of swelling, owing to dampness, or even flooding with water, the floor swells as a whole and takes up the compression space in the border. If the floor shrinks again after such an accident the blocks shrink individually and the shrinkage is divided up so many times that no cracks are seen. In

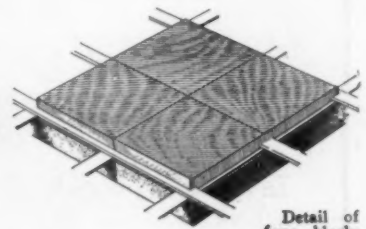
extreme cases the entire floor can be keyed up from the compression spaces.



Showing two border and wall strips with bridge over compression space and short dovetailed pieces of wood to which border strips are lightly nailed.



Detail of 4" quartered white oak block.



Detail of four blocks showing steel weave.

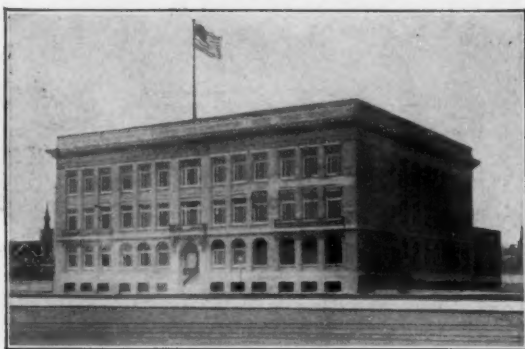
The floor in the Baltimore Bar Library was flooded for forty-eight hours during the great fire, and is now as good as ever. The floor in St. Luke's Hospital has stood the test of years. Several carloads laid in New York Custom House.

We manufacture parquetry and ornamental hardwood flooring of imported and domestic woods, making a specialty of working to architects designs. We have our own timber, saw mills, dry kilns and factories, and control every step of its manufacture.

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**MAXCO CLOSETS ARE
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to enter the toilet rooms of schools, factories, hotels, hospitals, Y. M. C. A. buildings, etc., and find every closet in perfect order—no leaks—no odors—no soil—no unsanitary conditions of any kind.

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are designed especially to meet this need—and to be a credit to architect, plumber, owner—and ourselves.

For Sale by 40 Jobbers of Plumbing Supplies

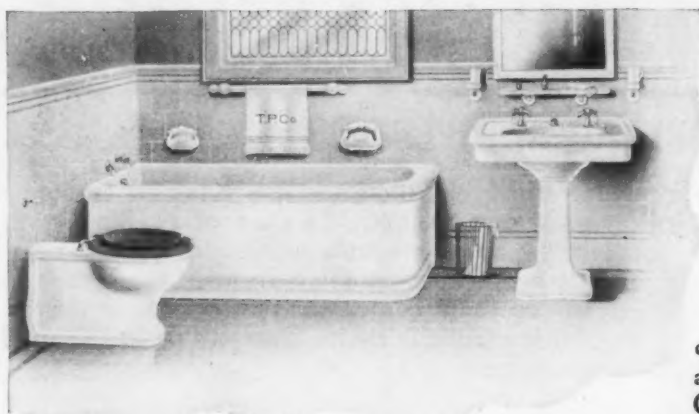
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**THE TRENTON
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In specifying fixtures for the bathroom or toilet, call on The Trenton Potteries Company, whose facilities and long experience in the manufacture of sanitary pottery only, have enabled us to secure and maintain the reputation as makers of superior quality ware.

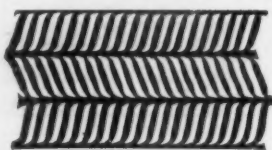


*The Trenton
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Trenton, New Jersey, U. S. A

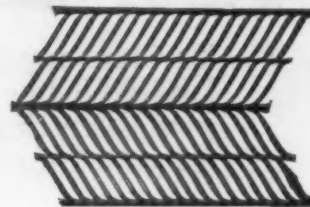


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Ceiling Lath—Patented
STYLE "A."

For Lasting Ceilings
For Permanent Partitions
For Outside Walls



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STYLE "BB."

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It requires no lapping—each yard of lath covers a yard of wall.

It is made of AMERICAN INGOT IRON which is pure iron—clarified to those impurities which make steel and cheaply prepared iron a quick prey to the corrosive effects of acid plasters, gases or moisture in the air and the damaging influences of salt atmospheres.

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Manufactured
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PYROBAR PLASTER BLOCKS

SUPERIOR TO ALL OTHERS



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WRITE US FOR PARTICULARS.

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Various applications of "ANTI-PLUVIUS" PUTTYLESS SKY-LIGHTS have been made on Industrial Buildings. We have issued pamphlets descriptive of some of the best of these and will send them for your information on request.

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Ideas differ as to the type of sash that permits the best ventilation and is more near weather-proof. The "STRAIGHT-PUSH" SASH OPERATOR can be applied to all types and we may have some information that would help you to determine the kind best suited to your conditions.

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Monument Porcelain Slop Sink

Illustrating one of our several designs of Slop Sinks



C-1024

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THE STODDARD-KEWANEE
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Sounds his Doom.**

The Stoddard-Kewanee Water Heating Garbage Burner is the only perfected device that combines a highly efficient water heater with a private garbage disposal plant in one apparatus.

It provides the cheapest way of heating water in large quantities and furnishes a practical and economical means of destroying mixed garbage, hospital refuse, household and other accumulated rubbish when and where it is produced.

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The Old Man Behind the Boiler is the fellow who builds these Garbage Burners, and will tell you all about them. There are no flies on him.

Send for Catalogue No. 55.

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Yellow Pine Factory Flooring

is suitable for factory, store, warehouse and loading platforms; or for any other floor where hard service is demanded.

Good sound common Yellow Pine, 3x3, 4x4 and 4x6, surfaced and jointed, laid with the Edge Grain of the timber to the surface, will insure a floor that is practically indestructible, will not sliver under wear, and will ordinarily outlast the rest of the building.

An Unchallenged Economical and Enduring Floor Surface for Heavy Mill Construction

Beside being durable and practical Yellow Pine factory flooring of such dimensions has strong fire-resisting qualifications. It is also recognized as being much easier on the feet of the workmen, and on the trucks and packages handled by them, than concrete floors.

Your first outlay is your only floor expense; and that is less than for other available wood or cement floors; although Yellow Pine floors will outlast them.

It has been for years the standard factory flooring specification by architects and mill engineers, one factory and warehouse recently built requiring over 817,000 feet of Yellow Pine for its floor surface.

For the laminated floor, thinner Yellow Pine factory flooring is used as the base; 2x6, 2½x6 and 3x6; tongue, grooved and beaded, or grooved for splines. The narrower widths and thinner depths of Edge Grain Yellow Pine flooring are used as a top floor, being laid diagonally across the surface.

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INTEGRAL SUPPORTS

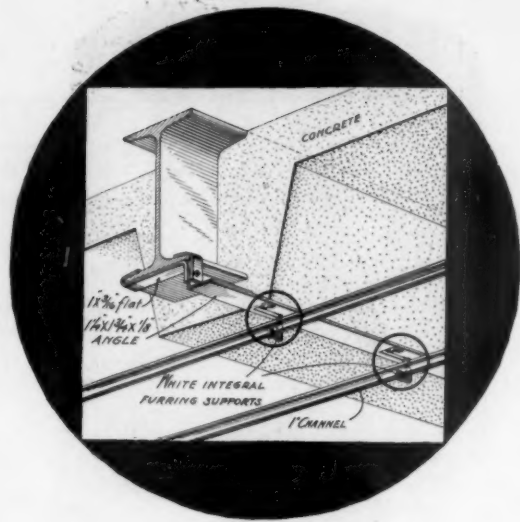
for

FURRING BARS

PAT. NOV. 24, 1908

What they ARE

WHITE *INTEGRAL* SUPPORTS for furring bars are hooks or stirrups that are *punched out*, at regular intervals, of the *main furring angle*.



What they are FOR

WHITE *INTEGRAL* SUPPORTS for furring bars are designed to act as *rigid* and *permanent supports* for the cross furring bars of ceilings.

What they EFFECT

WHITE *INTEGRAL* SUPPORTS for furring bars offer just as *permanent* and *dependable a support* as is secured in the old and excellent angle-to-angle bolted ceilings. At the same time they *cost no more* than the unreliable method that has of late years crept in-to use of securing furring bars by means of more or less variable individual clips.*

What they INSURE

A glance at the accompanying sketch will readily show that nothing but an *absolutely level ceiling* can be obtained when WHITE *INTEGRAL* SUPPORTS for furring bars are specified and insisted upon.

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Concrete Fireproofing
Concrete Stairs
Metal Furring
and
Lathing



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*Metal furring and lathing is an important part of our business as well as concrete fireproofing. The construction details of the former have never received much attention in architects' specifications. We consider them so important that we are *SYSTEMATICALLY* *ADVOCATING* certain methods that practice has shown us to be the best.

Nine Recent Decisions in Vacuum Cleaning

1

May 31, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted a decree against Streeter Brothers, forbidding them from using a Vacuum Wall Brush which infringes the McCrum-Howell Patent. This suit was brought under one of the eighty-five vacuum patents which the McCrum-Howell Company controls.

2

July 7, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted a restraining order against the Pope Automatic Merchandising Co., and Clarence R. Pope, forbidding the manufacture and sale of the "Pope Electric Cleaner."

3

July 15, 1910: U. S. District Judge Carpenter, sitting in Chicago, after a full day's hearing, denied the motion of the Pope Automatic Merchandising Co., and Clarence R. Pope, to vacate Judge Kohlsaat's restraining order.

4

July 20, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, after a full hearing, granted the injunction asked against the Pope Automatic Merchandising Co., and Clarence R. Pope, manufacturers of the "Pope Electric Cleaner."

5

July 22, 1910: U. S. District Judge Morris, sitting in Duluth, granted a restraining order against the St. Paul Electric Co., and B. B. Downs, forbidding the manufacture and sale of the "Downs Electric Cleaner."

6

July 26, 1910: U. S. District Judge Amidon, sitting in Minneapolis, after a full hearing, granted the injunction asked against the St. Paul Electric Co., and B. B. Downs, manufacturers of the "Downs Electric Cleaner."

7

August 3, 1910: U. S. District Judge Denison, sitting in Grand Rapids, granted a restraining order against the Menominee Electric Co., forbidding the manufacture of Suction Cleaners in imitation of the **RICHMOND** Suction Cleaner.

8

August 16, 1910: U. S. District Judge Sanborn, sitting in Chicago, granted a decree against Streeter Brothers, users of a plant installed by a California company, enjoining the use of that plant because it infringes the Matchette Patent on Automatic Vacuum Control, now owned by the McCrum-Howell Co.

9

August 18, 1910: U. S. Circuit Judge Kohlsaat, sitting in Chicago, granted the Pope Automatic Merchandising Co., and Clarence R. Pope, permission to dispose of 1000 cleaners on hand only on condition that a \$20,000 bond be given to protect The McCrum-Howell Co., and that each machine be plainly marked, "Not the Richmond Suction Cleaner manufactured by the McCrum-Howell Co."

The McCrum-Howell Co., at a large expenditure, has brought together, under one control, all of the important Vacuum Cleaning patents.

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WARNING

All persons are warned that henceforth all authorized stationary vacuum cleaning plants will bear The McCrum-Howell Company license plate. Systems offered without The McCrum-Howell Company license are infringements and will subject not only the makers thereof but also the purchasers and those who use them to damage suits, which in all cases will be promptly instituted. Please be sure to look for The McCrum-Howell Company license plate, which is to be found in each case on the vacuum producing apparatus.

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One at Racine, Wis.—One at Chicago, Ill.

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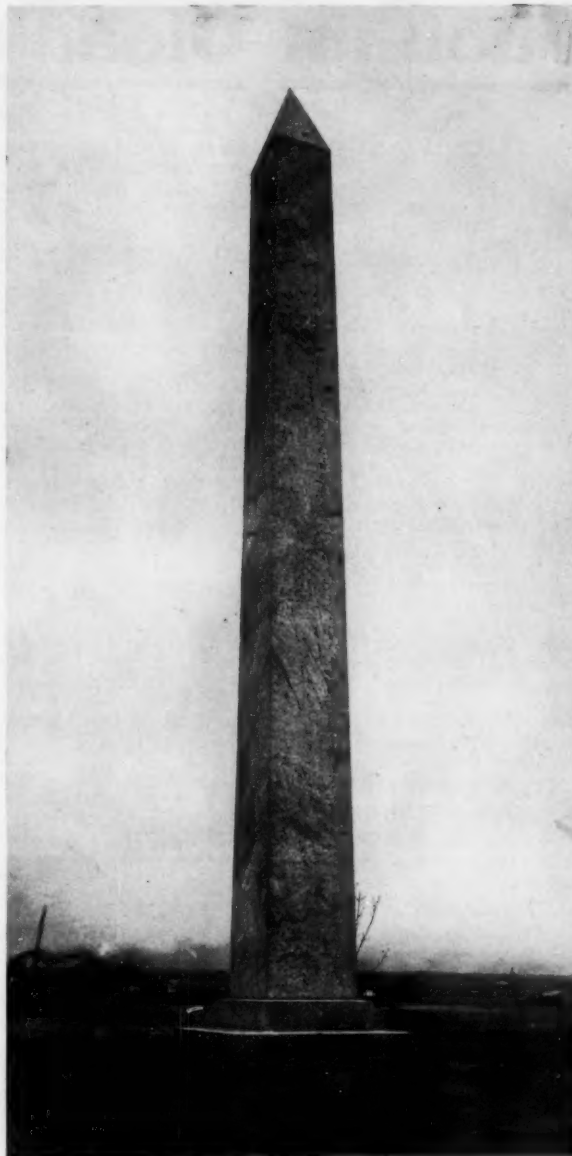
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Sault Ste. Marie, Michigan
Commemorating the fiftieth anniversary of the opening of
St. Mary's Falls Canal
McKim, Mead & White, Architects
Peter White, Horace M. Oren, Charles Moore, Lake Superior
Semi-Centennial Commissioners
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Quarried, cut, and set in place by The Norcross Brothers
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Statuary
Bronze**

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and
Compact.**

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Operate.**

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Principles.**

The "RICHMOND" Concealed Transom Lift is constructed in accordance with important scientific principles. It is positive in action and contains but few joints or contacts. The different parts work together smoothly and it is practically impossible for it to get out of order—no danger of rods slipping or cogs failing to turn as sometimes happens in the old style appliances.

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For
Operator.**

Think of the convenience of being able to move the transom to any desired angle by a simple turning of a knob within easy reach. Compare this with the clumsiness, unreliable and unsatisfactory working of the usual style of transom fixture.

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Transoms.**

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CURRENT NEWS *and* COMMENT

CHAPTER AND CLUB NEWS

WHAT CALIFORNIA OFFERS THE VISITING ARCHITECTS TO THE A. I. A. CONVENTION

The reception and entertainment committee of the San Francisco Chapter, A. I. A., are taking every step that will insure a large attendance at the convention of the Institute, to be held in that city on January 17, 18, 19, inclusive, 1911.

January is a particularly favorable time to visit the Pacific Coast. Then the country is in its fullest bloom, the roads are in good condition and free from dust, and there are many attractive points that can be profitably visited, between or after the formalities of the convention.

The fact that the visiting architects will see a city built within four years, not only as to its buildings, but also as to its streets, water systems, sewerage, street car lines, and everything that goes to make a municipality, will tend to compensate for the rather long journey, which, however, is after all only four days from the most easterly points.

To those who may wish to vary their homeward trip the Southern route will take them through the semitropical cities of Santa Barbara, Los Angeles, Pasadena, Coronado and San Diego, while the Northern roads will enable them to visit the wonderfully progressive towns of Portland, Tacoma and Seattle.

Mr. James W. Reid is chairman of the reception and entertainment committee.

MINUTES OF FOURTH ANNUAL MEETING SOUTHERN CALIFORNIA CHAPTER, A. I. A.

The fourth annual meeting of the Southern California Chapter, A. I. A., was held in Los Angeles on October 11. The meeting was called to order by the president, Mr. Frank D. Hudson. There were thirty-two members present. Minutes of preceding meeting were read and approved. The president presented his annual address followed by reports of the secretary, treasurer and board of directors. On motion these were approved and ordered spread on the minutes. A letter from Mr. Norman St. Clair, expressing his appreciation of his election as a life member, was read.

The nomination and election of officers being next in order resulted as follows:

For president, Frank D. Hudson; vice-president, R. B. Young; secretary, Fernand Parmentier; treasurer, August Wackerbarth.

The following members were duly elected to fill vacancies on the board of directors, term two years: Frank L. Stiff, Octavius Morgan and John C. Austin.

A resolution was introduced as follows:

Resolved, That the Southern California Chapter of A. I. A. at its annual meeting held in Los Angeles, October 11, extend to the Times-Mirror Co. our sincere sympathy because of the terrible calamity that has befallen them in the destruction of the lives of their co-workers and their property by dynamite.

Copy of the above to be sent to the Times-Mirror Co. to be conveyed to the bereaved families.

Motion seconded and carried.

Moved, seconded and carried that the chapter contribute \$50 to the Times-Mirror Co. for the benefit of the sufferers of the late disaster.

Mr. A. F. Rosenheim thereupon referred to the circular of the American Institute of Architects relating to the present system of nominating officers for the Institute for the ensuing year. Mr. Fernand Parmentier moved, seconded by Mr. A. F. Rosenheim, to have the chair appoint a committee of eight among the Institute members of the chapter to confer with a similar committee from the San Francisco Chapter for nominees on the board of directors of the Institute. Mr. Octavius Morgan suggested an amendment to this motion in that the chapter endorse as a member of the board of directors Mr. A. F. Rosenheim. This amendment was seconded by Mr. John P. Krempel. Mr. A. F. Rosenheim pointed out that such procedure must be the action of the fifteen institute members from two joint chapters according to the provisions of the circular sent out by the Institute. After some discussion the motion, as amended by Mr. Morgan, was put and carried.

Mr. A. B. Benton presented a motion, seconded by Mr. A. C. Martin, to have the chair appoint a committee of three Institute members of the Chapter to confer with the San Francisco Institute Chapter members in order to carry out the instructions of this Chapter and to procure the proper amount of signatures from Institute chapter members endorsing Mr. Rosenheim's nomination on the board of directors. The motion carried. The following were named to serve on the committee: Octavius Morgan, John P. Krempel, A. B. Benton.

Discussions followed concerning the next American Institute of Architects' convention, to be held in San Francisco in January, 1911, and it was urged by the chair and several of the members that this Chapter make as large a representation as possible at the convention.

Mr. S. T. Norton moved, seconded by Mr. J. J. Backus, to have the chair appoint a committee of three to arrange details for an excursion to San Francisco, chartering a private car to carry all Chapter members to the convention. The motion was carried.

Other discussions followed principally concerning the obtaining of permanent quarters for the Chapter meetings and the question of a Chapter house was again brought up and discussed with no definite results.

The meeting adjourned.

FERNAND PARMENTIER, Secretary.

ARCHITECTS AND BUILDERS DISCUSS CITY'S GROWTH

A gathering at luncheon, held under the auspices of the local Chapter, A. I. A., and the Builders' Exchange, of Cleveland, O., on October 15, was an occasion of much interest. The growth of Cleveland during the past one hundred years—the luncheon may be said to have been in part a centennial celebration—and the city's future development were topics of the various speakers.

COLUMBUS, O., SOCIETY OF ARCHITECTS

The monthly meetings of the recently organized Society of Architects in Columbus, O., have become decided features of this very active organization. At the last meeting an address and discussion on the architectural features of cathedrals in Europe was much enjoyed.

OAKLAND ARCHITECTS TO ORGANIZE CLUB

It is stated in the local press that the architects of Oakland, Cal., contemplate the organization of a club

for the study and promotion of architecture, and to extend the social relations of the members of the profession.

The co-operation and support of the architectural department of the University of California have been secured. After the organization is complete it is the intention to affiliate with the Architectural League of the Pacific Coast and to hold annual exhibitions under its direction.

ARCHÆOLOGICAL INSTITUTE ANNUAL MEETING

The annual meeting of the Archæological Institute of America and the American Philological Society will be held at Brown University, Providence, R. I., from December 27 to 30.

The committee representing the Brown faculty and corporation and the local Chapter of the Institute met at the university last week and arranged the preliminary details.

THE ARCHITECTURAL SCHOOLS

UNIVERSITY OF PENNSYLVANIA

At the annual "smoker" of the Architectural Society of the University, held on the evening of October 19, Professor Warren P. Laird, head of the school, announced that there were more men in the architectural department than there had ever been before at this time of the year, and that indications were that in the school's final registration the figures would be considerably in advance of those of former years. Professor Laird referred to the fact that men from thirty colleges and universities were studying in the architectural school, and that the department is now the largest architectural school in the world, with the exception of that of Paris.

Among the student body are some half-dozen older men of experience in practice who have brought their families to Philadelphia.

LANDSCAPE PLANS FOR SYRACUSE UNIVERSITY CAMPUS

The plans for the landscape improvement of the campus of Syracuse University are now about completed. Frederic Law Olmstead, the consulting landscape architect, recently visited the university and, it is stated, has approved the general scheme as outlined.

PERSONAL

J. G. Barnwell and Clarence T. Jones, architects, of Chattanooga, Tenn., have formed a partnership for the practice of their profession.

Mr. John Hutchins Cary, architect, 1019 Banigan Building, Providence, R. I., informs us that Mr. B. Charles Baker has become associated with him in practice.

Local papers state that L. F. Potter, secretary of the Capitol Building Commission, Green Bay, Wis., and Superintendent of Architecture, is seriously ill, as the result of overwork and close application.

Professor Wm. H. Goodyear has received notice from Rome of his appointment as a member of the International Committee of Patronage of the International

Artistic Congress, to be held at Rome in 1911, in connection with the International Exhibition of Fine Arts.

AMBASSADOR REID RECEIVES ARCHITECTS

Ambassador Reid gave a reception on October 13 to the American delegates to the Townplanning Conference then in session in London, and on the next evening entertained the delegates and other guests at dinner.

To Design French Shaft

J. Maxwell Miller, of Baltimore, the sculptor, has been awarded the commission for the memorial to the French allies who lost their lives in the Revolutionary War. The memorial will be erected at Annapolis by the General Society of the Sons of the Revolution. It is expected that it will be unveiled next spring with impressive exercises.

INDUSTRIAL

SANITARY POTTERY

The September issue of *Sanitary Pottery*, issued by the Trenton Potteries Company, Trenton, N. J., in addition to serving its purpose of introducing to the trade and the general public the latest designs in plumbing specialties made by this company, continues from its August number the description of the plumbing features of the recently opened Pennsylvania Railroad Station in New York. It also prints an abstract of the plumbing ordinance of Chicago, condensed so that busy men may become acquainted with the more important features of this ordinance quickly and accurately.

AN IMPROVED VENTILATING SYSTEM

The H. E. Thompson Manufacturing Company (inc.) of 92 Market street, Newark, N. J., are manufacturers of an improved ventilating system for skylights, cellar gratings, manhole covers, etc., for which they claim many unusual advantages.

While vault lights and prisons have done much to make available that part of buildings beneath the sidewalk, giving light to heretofore dark places, the need for adequate ventilation to insure the perfect availability of such places has been apparent. It would seem as if this system, when properly placed, would adequately supply ventilation.

The skylight system appears to be equally practical in its operation. It is automatic in its action, but can also be readily controlled by hand from each floor of the building. This feature will be appreciated, as when in the case of fire it is possible to gain easy access to the controls and thus readily free the building of smoke and gases.

The H. E. Thompson Manufacturing Company (inc.) solicit correspondence from architects and builders, and will forward illustrative descriptive circulars on application.

ARCHITECTURAL POST CARDS

The Architectural Post Card Company, of 5540 Catherine street, Philadelphia, Pa., are continuing their interesting series of illustrations of architectural details. Eight series of sixteen cards each, have thus far been issued.



Delano & Aldrich, Arch'ts, N. Y.

Another Musical Conservatory sound-proofed by **Cabot's Deafening "Quilt"**

This is Margaret Olivia Hall, Northfield, Mass., (Russell Sage Fund) and the architects say: "Cabot's Quilt used in this building for deafening purposes has proved entirely satisfactory." Quilt is the only deadener that has the power of breaking up and absorbing sound-waves. It is scientific, sanitary and fire-retarding.

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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

ANNISTON.—Union Foundry Co. will erect extension of plant. Gerard Schumacher, General Manager.

BIRMINGHAM.—Federal Government will erect rescue station in West End for Bureau of Mines.

ARKANSAS

BENTONVILLE.—Benton County Commissioners have decided to erect jail.

FORT SMITH.—Kansas City Southern Railroad will at once erect proposed depot.

CALIFORNIA

GRASS VALLEY.—Local Lodge of Elks has secured site for erection of club house.

LOS ANGELES.—Manufacturing plants to cost an aggregate of approximately \$250,000 will be established at Santa Fe Ave. and Forty-third St. by Pacific Tank, Pacific Planing Mill and National Wood Pipe Co., of which companies William E. Hampton is President.

LOS ANGELES.—Isaac Bros Co. will erect modern office building on Broadway.

LOS ANGELES.—Building Superintendent Backus will prepare plans for proposed \$15,000 city hall annex.

PASADENA.—J. Frank Bowen, 440 Douglas Bldg., is having plans prepared for erection of thirty bungalows at Villa and Galena Sts.

Council is considering election on bonds for erection of \$125,000 casino.

POMONA.—City Trustees will ask for new bids for completing city hall.

SAN FRANCISCO.—Architect E. P. Dutton has completed plans for erection of hotel on Kearny St.

SAN FRANCISCO.—James L. Flood and the Wells-Fargo Nevada National Bank have determined to erect a modern office building of five stories at corner of Montgomery and Pine Sts. Plans and specifications have been finished by Architect William Mosser, Union Trust Bldg.

WOODLAKE.—H. W. Glidden, Wright & Callander Bldg., Los Angeles, is preparing plans for erection of \$40,000 hotel for G. F. Stevenson, of Hollywood.

CONNECTICUT

BRIDGEPORT.—Bids will be received about Jan. 1 for changes to Waller Bldg., at corner of Fairfield Ave. and Water St., for Mrs. Rosa Reich, of the White House Clothing Co. Plans are by Architect Leonard Asheim.

Architect Joseph W. Northrop, Court Exchange Bldg., is completing the plans for \$12,000 residence for Mrs. George Hatheway on Clinton Ave.

NEW BRITAIN.—Architect W. P. Crabtree has prepared plans for erection of residence on Vine St. for J. R. Andrews.

NEW HAVEN.—Plans have been drawn by Architects Brown & Von Beren, 865 Chapel St., for six-family house on Sylvan Ave. for H. Levy.

Plans are being drawn for three-family house on Lamberton St. for Morris Labov, 36 White St.

NEW LONDON.—Taxpayers have voted to appropriate \$50,000 for purchase of a site for Connecticut College for Women.

DISTRICT OF COLUMBIA

WASHINGTON.—J. H. De Sibour, Architect, Hibbs Bldg., will receive bids about Jan. 1 for erection of \$900,000 theater and office building.

WASHINGTON.—Board of Governors and Building Committee of Army and Navy Club have approved plans of Hornblower & Marshall, Architects, 1516 H St. N. W., for club's new home, to be erected on corner of Seventeenth and I Sts.

Proposed \$30,000 plant for cleaning cloths used by the plate printers at the Bureau of Engraving and Printing, with machinery constructed especially for this purpose will be erected at south end of Highway bridge.

Competitions have been announced for selection of architects of the buildings for Departments of State, Justice and Commerce and Labor, costing, respectively, under authorizations limiting the expenditures, \$2,200,000, \$1,900,000 and \$3,650,000. Buildings will be erected just south of Treasury building.

WASHINGTON.—Permanent exhibition buildings for States and large convention hall in Washington are recommended by Industrial Interest Committee of Washington Board of Trade, which will ask Congress to set aside sites for State buildings and appropriate \$3,000,000 for convention hall.

FLORIDA

JACKSONVILLE.—Florida Trust Co. will erect building within year. C. H. Barnes, President.

JACKSONVILLE.—Jacksonville Motor Touring Club is considering erection of club house. Herbert Race is interested.

Independent Ice and Fuel Co. will at once erect modern brick factory. J. T. Butler, President.

GEORGIA

ATLANTA.—Bids will be received until noon, Nov. 12, for erection of proposed Grady Hospital. King & Walker, architects. Jos. Hirsch, president board of trustees.

ATLANTA.—The Hayden heirs will at once erect modern \$50,000 hotel at Marietta and Cone Sts.

ATLANTA.—Ponce De Leon Ave. Baptist Church will erect \$12,000 Sunday school building.

St. Anthony's R. C. Church will at once start erection of \$40,000 edifice in West End. Plans prepared.

ATLANTA.—The W. W. Leland Co., of New York, plans to build a \$100,000 plant at East Point.

BAINBRIDGE.—Erection of \$30,000 city hall and \$60,000 school is being considered.

ROME.—Council is considering plan of Floyd County Medical Society to erect \$40,000 city hospital.

ILLINOIS

AURORA.—Board of Education of East Aurora public schools will at once advertise for bids for erecting \$200,000 high school building. Joseph C. Llewellyn, First National Bank Bldg., Chicago, architect.

CHICAGO.—Berandi Lodge No. 3, Independent Order Svithiod, is considering erection of lodge hall on North Clark St.

Jacob Franks will erect \$50,000 residence on Ellis Ave. after plans by Architect Henry L. Newhouse, 4630 Dearborn St.

HARVEY.—Architects Marshall & Fox, 164 Dearborn St., Chicago, are preparing plans for erection of \$100,000 high school.

LAWRENCEVILLE.—County courthouse will be remodeled at cost of \$40,000.

MOLINE.—Site on Fifteenth St. will be purchased for erection of proposed Y. M. C. A. building.

PEORIA.—Park Board will secure new plans for erection of proposed \$12,000 pavilion in South Park.

PEORIA.—Arbutus Park Campmeeting Association will erect three-story hotel. C. S. Wissinger, Salix, and Ross McVicker, Seventh Ward, city, building committee.

INDIANA

DELPHI.—Knights of Pythias are considering erection of building.

ELKHART.—Crow Motor Co. is considering erection of three buildings.

INDIANAPOLIS.—W. I. Coons, 709 North Alabama St., is considering erection of business building on Fort Wayne Ave.

M. Clume, 1115 North Pennsylvania Ave., will erect three-story, \$25,000 brick building at 344 East Washington St. Hastings & Gardiner, 152 East Market St., Architects.

SOUTH BEND.—Taylor Chapel, A. M. E. Zion Church, will erect edifice at Campau and Eddy Sts. Rev. S. W. Weller, Pastor.

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IOWA

BURLINGTON.—Erection of \$150,000 addition to Y. M. C. A. building is being urged.

CEDAR RAPIDS.—Cedar Rapids Lodge No. 251, B. P. O. Elks, has accepted plans for erection of building at First Ave. and Fifth St. Brown Bros. and C. A. Dieman & Co., associated architects.

DAVENPORT.—The Times Co. will erect fireproof home on East Second St.

DES MOINES.—Laboratory building will be erected at State University. Dr. Carl E. Seashore is interested.

DUBUQUE.—Dubuque County will vote Nov. 8 on erection of memorial hall.

MASON CITY.—Minneapolis Threshing Co., Minneapolis, Minn., will erect office and warehouse.

KANSAS

HUTCHINSON.—First Evangelical Church, Tenth Ave. and Jefferson St., is considering erection of larger edifice. Rev. Jos. S. Miller, pastor.

LEAVENWORTH.—Architect Wm. P. Feth is preparing plans for erection of \$20,000 edifice at Seventh and Miami Sts. for German Lutheran Church.

Preliminary plans have been prepared by Wilmarth and Zerbe for erection of proposed \$40,000 city hall.

KENTUCKY

HARRODSBURG.—Mercer County Fiscal Court has ordered submission of a \$40,000 bond issue for erection of court house.

LEXINGTON.—Messrs. Shouse and Looney are preparing to erect \$5,000 laundry building on East Main St. E. Stamler, architect.

LOUISVILLE.—Trenton Company, 84 Kenyon Bldg., will erect large laboratory early in spring.

Arthur E. Mueller has announced that two New York architects are working on plans for new fifteen-story skyscraper to be erected at Fifth and Jefferson Sts.

L. H. Wymond, of Cress & Wymond, will build \$50,000 residence on Upper River Road. Plans being prepared.

LOUISIANA

ALEXANDRIA.—Residence, cost \$10,000, will be erected on Jackson Ave. for Bishop Van De Ven of the Alexandria Diocese.

NEW ORLEANS.—German Evangelical Congregation, Jackson Ave. and Chippewa St., will erect Sunday school building.

NEW ORLEANS.—Plans and specifications have been forwarded to Council by City Engineer William J. Hardee for erection of the girls' high school building in the square bounded by Napoleon Ave., Jena, Prytania and Pitt Sts.

RUSTON.—Louisiana Industrial Institute will erect \$5,000 residence for the president and \$20,000 building for domestic science and art departments.

MARYLAND

BALTIMORE.—City Baking Co. will soon award contract for erection of a large bakery building at 310 to 320 North Gay St.; cost, about \$12,000. John Freund, 210 E. Lexington St., architect.

B. M. Oberndorfer will have erected \$5,000 bungalow on Duval Ave. Stanislaus Russell, architect.

Herman Scherr has accepted plans by Jacob F. Gerwig, 210 E. Lexington St., for \$8,000 residence to be erected at corner of Callow Ave. and Park Front Terrace.

David Garrett is having plans made for 11 two-story brick dwellings to be erected at Gouldey and Toone Sts. at cost of about \$15,000.

BALTIMORE.—Hecht Bros. & Co. will erect five-story brick warehouse, to cost about \$25,000, on German St. Plans for the new building are now being made.

BALTIMORE.—Hotel Belvedere, George Blakistone, President, will erect addition at 1023 N. Charles St.

BALTIMORE.—John J. Carlin is having plans made by Stanislaus Russell, Architect, for three-story brick and stucco apartment house, to be erected at Elgin Ave. and Twelfth St., Walbrook. Cost about \$18,000.

Dr. St. Clair Sprinel is considering erection of country home in Anne Arundel County.

Architect F. E. Beall, 213 St. Paul St., has been commissioned

by Garrison Lumber and Supply Co. to prepare plans and specifications for the erection of ten modern dwellings at Grindon Heights, on Belair Road. Cost about \$25,000.

Architect Thomas C. Kennedy, 211 North Calvert St., is preparing plans for \$10,000 country home to be built at Nourmand, on Severn river, for Dr. L. I. Turner.

BALTIMORE.—Joseph Evans Sperry, Architect, Calvert Bldg., for the new Baltimore Bargain House, will soon finish plans for twelve-story structure; owners to start the work of building this fall.

BALTIMORE.—Wm. J. Brown, 315 W. Lanvale St., is considering erection of \$25,000 residence at Charles and Thirty-fourth Sts.

Charles Litzinger is having plans prepared by F. E. Beall, Architect, 213 St. Paul St., for twenty two-story brick dwellings to be erected on Third Ave.

Daniel Donnelly has accepted plans by H. A. Sillery, Architect, for eleven two-story brick dwellings to be erected on Hoffman St. Cost about \$18,000.

MASSACHUSETTS

BOSTON.—Abraham Kanter and H. Altman will erect brick and stone apartment house containing thirty suites on Peterboro St., Back Bay, from plans by F. A. Norcross, 46 Cornhill St.

BOSTON.—Plans for domestic and administration buildings to be erected in River St., Dorchester, for Consumptives' Hospital, which have been made by Maginnis & Walsh, 100 Boylston St., call for a structure three stories high, with two wings, two-story and four-story, respectively; cost, \$100,000.

GLOUCESTER.—Catholic Church will be erected at Magnolia in near future by Archbishop O'Connell of Diocese of Boston.

HAVERHILL.—Council will consider calling election on erection of \$75,000 hospital.

MILFORD.—Erection of \$20,000 addition to Milford Hospital is being considered. Plans by Architect Robert A. Cook.

NEW BEDFORD.—Charles Wolff will erect large building at Howland and Front Sts.

WHITINSVILLE.—Edwin T. Chapin, 340 Main St., Worcester, has prepared plans for erection of \$35,000 edifice for Methodist Church.

MICHIGAN

BATTLE CREEK.—Osgood & Osgood, 521 Widdicomb Bldg., Grand Rapids, will prepare plans for proposed Masonic Temple.

BAY CITY.—Geo. Strobal, Saginaw, will erect residence at Sumner Grove.

DETROIT.—Kaufmann Bros. will erect factory at Garfield Ave. and Beaubien St.

HILLSDALE.—Alpha Kappa Phi Fraternity is considering erection of \$10,000 building on college campus.

KALAMAZOO.—R. A. LeRoy, 122 Pratt Bldg., is preparing plans for fireproof office building for King Paper Co.

LANSING.—Michigan Ave. M. E. Church has accepted plans by Architect Morrison H. Vail, Dixon, Ill., and will at once ask bids for erection of edifice.

MARQUETTE.—Masonic Association is planning to erect temple at Front and Buff Sts.

PONTIAC.—Architect H. J. Darlin, Majestic Bldg., has prepared plans and is taking figures on store and office building for Dr. John D. Riker.

SAGINAW.—Plans have been completed by J. Fred Beckbis-singer for residence, barn and garage, all of modern construction, for Mrs. Emma Cosendai, 1742 Genesee Ave.

ST. JOHNS.—Board of County Supervisors is considering erection of court house.

MINNESOTA

BIWABIK.—School Board is considering erection of school.

CHISHOLM.—Bids have been rejected by School Board for erection of school. New bids on revised plans will be received.

DULUTH.—Imperial Iron Works has had plans prepared for erection of addition to plant.

DULUTH.—Plans are being made for a \$15,000 addition to Lake Superior Mission, Fourth St. and Tower Ave. Rev. Harry Milford, Superintendent.

HINCKLEY.—School Board has rejected all bids received for erection of school.

ST. PAUL.—Enlargement of State Farm School at St. Anthony Park is being considered. A. F. Woods, Dean.

TWO HARBORS.—Chas. Yernberg and L. P. Christensen will rebuild Metropolitan Opera House.



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MISSISSIPPI

COLUMBIA.—Architect R. H. Hunt, News Bldg., Chattanooga, Tenn., has finished plans for \$75,000 dormitory for State Industrial Institute and College.

ELLISVILLE.—Proposed Agricultural High school will be erected in this city.

MISSOURI

KANSAS CITY.—Fire and Water Board is having plans prepared for erection of five fire stations. John C. Egner, Fire Chief.

ST. JOSEPH.—Robidoux Real Estate, Loan and Investment Co. will erect modern apartment house at Fifteenth and Francis Sts. Walter Baschen, Architect.

ST. LOUIS.—Board of Education will erect \$200,000 school to replace Bryan Hill School.

F. A. Ruff, Antikamnia Chemical Co., is considering erection of \$14,000 mercantile building.

ST. LOUIS.—Wm. H. Little, Little & Becker Printing Co., will erect residence on Waterman St.

NEBRASKA

ALEXANDRIA.—Bids will be received until Nov. 8 by Chas. I. Moore, Secretary School Board, for erection of \$12,000 brick school. W. F. Gernaudt, Fairbury, Architect.

NEW JERSEY

ATLANTIC CITY.—Harry E. DeHoff, 48 East Sixty-first St., Philadelphia, Pa., is preparing plans for erection of apartment building for George W. West & Co.

CAMDEN.—Bids will be asked at once by Board of Health for erection of contagious hospital. J. C. Jefferis, architect.

ELIZABETH.—The National Society has instructed Architect Jacob Wind, Jr., 208 Broad St., to prepare plans for erection of \$8,000 hall in Second Ave.

JERSEY CITY.—From private plans Mutual Chemical Co., 92 William St., New York, will erect \$60,000 factory building on West Side Ave. in the West Bergen section.

Leslie J. Dowley, 176 Wilkinson Ave., will erect three two-family houses on Wilkinson Ave.; cost, \$12,000.

JERSEY CITY.—Plans have been completed by Architect Walter Hankin, Clinton Ave., for \$9,000 moving picture theater to be erected on Ocean Ave.; also, for George La Forge, of Garrison Ave., two two-family houses on the Boulevard, cost \$12,000.

JERSEY CITY.—Bergen Lodge Realty Co. has been formed to erect lodge building for Bergen Lodge. Thomas H. Hill, 61 Duncan Ave., is interested.

From plans by Architect William H. Bogart, 712 Bergen St., \$8,500 store and apartment building will be erected on corner of Kearney and Rose Aves. for Lowry & Teltsch Co., 76 Montgomery St.

MONTCLAIR.—John Merrill will erect \$15,000 residence at 153 Gates Ave.

Henry M. Reeves has had plans prepared for erection of \$11,000 residence at 233 Walnut Ave.

Major R. M. Harding will erect \$30,000 residence in Brookwood section. Plans prepared.

NEWARK.—Plans have been completed by Del Guerico & Gonnelli for \$22,000 four-story brick store and apartment building to be erected at Third Ave. and North Fifth St. for Peter Trevisani.

NEWARK.—Federal Real Estate Co. will build brick loft building, three stories, at 81-85 Clay St. Plans by Engineers F. H. Ogden Co. Cost, \$7,000.

The Martin Dennis Co. will expend about \$9,000 for erecting two-story brick building at 859 Summer Ave. after plans by John F. Capen, 45 Clinton St.

NEWARK.—Edward E. Grant, 397 Washington Ave., has drawn plans of \$10,900 brick rectory of the Church of Good Counsel to be located at 235-239 Woodside Ave.

Arthur Connelly, 92 Market St., has drawn plans of \$8,000 three-story brick dwelling for three families to be erected at No. 7 Orleans St. for James McCabe.

Fred C. Kern has drawn plans of \$12,000 brick building for stores and halls to be erected at 480 Central Ave. for Dr. B. Gluck.

D. W. R. Macdonald has prepared plans for \$60,000 reinforced concrete building for light manufacturing purposes he will erect at 346 Elizabeth Ave.

Julius Strombach, 1238 Washington St., has completed plans of four-story brick building and four stores which is to be built at Fifteenth Ave. and Thirteenth St. for Julius Pitscher.

ROSELLE.—P. A. Garthwaite will erect residence on Second Ave. Jacob Wind, Jr., 208 Broad St., Elizabeth, Architect.

TRENTON.—Broad St. National Bank Co. is considering enlargement of building at State and Montgomery Sts.

WEEHAWKEN.—New York, West Shore & Buffalo Railroad Company will shortly build \$25,000 coach repair shop at the Weehawken terminal. Plans by Architect D. R. Gollin.

Plans have been completed by Architect Frederick Hensel for three-family \$9,000 flat at 140 Highpoint Ave. for F. Cona, 132 Highpoint Ave.

NEW MEXICO

ROSWELL.—Plans are being perfected by Supervising Architect Jas. K. Taylor, Washington, D. C., for erection of proposed \$125,000 Federal building.

NEW YORK

ALBANY.—Isaac Hough has retained Architect Charles G. Ogden to prepare plans for convention hall.

Murphy & Ronan, 832 Broadway, will erect factory on upper Broadway.

BALDWINVILLE.—Ward W. Ward, Architect, Syracuse, has completed plans for \$20,000 temple to be erected by the Odd Fellows Temple Association in Oswego St.

BINGHAMTON.—Council will ask competitive plans of architects in this city and vicinity for erection of high school building.

BROOKLYN.—Church of the Holy Innocents will erect edifice. Plans prepared. Rev. Wm. J. Costello, Pastor.

Shampan & Shampan, Architects, 772 Broadway, are drawing plans for six-story bank and office building, to be erected at corner of Graham Ave. and Siegel St. for A. L. Kass.

BROOKLYN.—General contract will be let Nov. 14 for erection of school at Throop Ave., Whipple and Bartlett Sts.

BUFFALO.—George A. Otis Co., 818 Main St., will at once erect plant on Florida St.; plans prepared.

BUFFALO.—Board of Aldermen has decided to erect new school to replace School No. 3, Perry St.

CANASTOTA.—Local Masonic and Odd Fellow lodges are considering joint erection of temple.

FULTON.—Plans by Architects Cross & Cross, 527 Fifth Ave., New York City, have been accepted for erection of home for Fulton Savings Bank.

HEMPSTEAD, L. I.—Plans prepared by I. B. Baylis have been accepted for erection of \$80,000 school.

KENMORE.—Alert Hose Co. has accepted plans for erection of fire hall.

NEW YORK.—M. Levinzton, 484 E. 141st St., will erect six-story \$22,000 factory at 767 Greenwich St. Gronenberg & Leutchtig, 7 W. Twenty-second St., Architects.

NEW YORK.—Charles E. McManus will erect twelve-story apartment house on W. Fifty-fourth St. Neville & Bagge, 217 W. 125th St., Architects.

Bids will be received until 3 p. m. Dec. 1, extension of time from Nov. 3, for erection of superstructure of post office. Jas. Knox Taylor, Washington, D. C., Supervising Architect Treasury Department.

J. J. Astor, 840 Fifth Ave., will erect six-story \$27,000 brick store and lofts at 20 W. Twenty-seventh St. La Forge & Morris and C. H. Cullen, 25 Madison Square, Architects.

Savoy Improvement Co., Antonio Sutera, President, 200 Broadway, will erect five two-story dwellings, cost \$40,000, on 236th St. Also two dwellings, cost \$16,000, on Richardson Ave. M. W. Del Gaudio, 401 Tremont Ave., Architect.

Plans are being prepared by Carrere & Hastings, 1225 Fifth Ave., for large American basement dwelling to be built for William Starr Miller at corner of Fifth Ave. and Eighty-sixth St.

NEW YORK.—L. K. Thayer, 45 E. 17th St., will erect \$50,000 six-story dwelling on Seventieth St. Taylor & Levi, 105 W. Fortieth St., Architect.

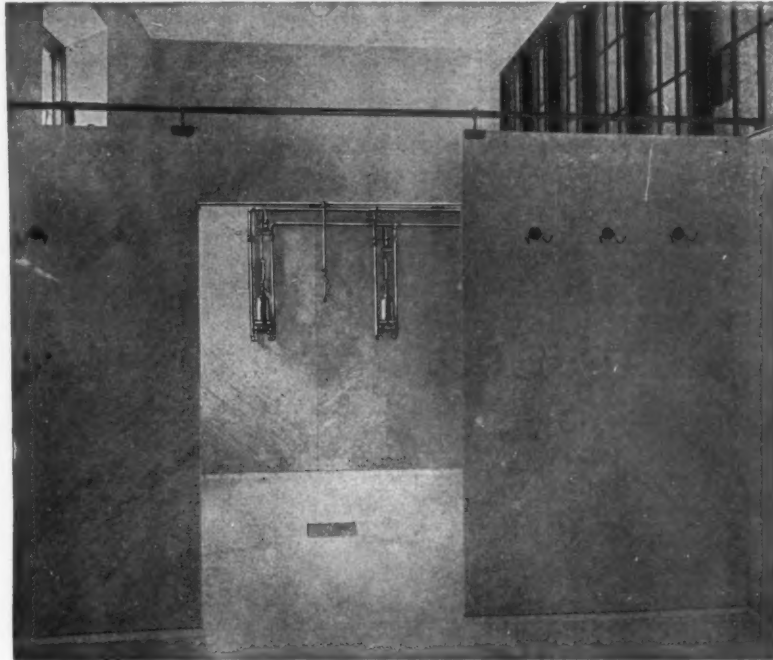
NEW YORK.—Adams Express Co., 59 Broadway, will erect \$300,000 office building on Trinity Place. G. R. Hooper, 165 Broadway, architect.

W. F. Donnelly, 99 Nassau St., will erect \$42,000 seven-story brick lofts at 39 W. Eighth St. G. M. McCabe, 96 Fifth Ave., architect.

E. M. Anderson will erect eleven-story \$650,000 store and

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office building on Fifth Ave. Buchman & Fox, 11 E. Fifty-ninth St., architects.

NEW YORK.—Lew Fields and Edw. Margolies will erect building at 117 W. Forty-seventh St.

E. M. Tessler, 37 E. Twenty-eighth St., will erect three two-story brick buildings, cost \$12,000, on Bailey Ave. F. W. Wilcox, 39 E. Forty-second St., Architect.

C. A. Bensel, Yonkers, will erect three dwellings on 241st St. Cost, \$14,000. Ebbinghaus & Co., 632 Gun Hill Road, Architects.

NEW YORK.—Sun Construction Co., 1400 Fifth Ave., will erect six-story \$135,000 brick apartment house on Edgecombe Ave. Gronenberg & Leuchtag, 7 W. Twenty-second St., architects.

Burkham Realty Co., Wolf Burland, 801 Caldwell Ave., architect, will erect three 2½-story brick stores, lofts and amusement hall at cost of \$80,000. Koppe & Daube, 830 Westchester Ave., Architects.

ONEIDA.—E. J. Preston is planning to erect theater at Cedar and Mott Sts.

POUGHKEEPSIE.—Architect Geo. R. Freeman is preparing plans for headquarters for Arlington Fire Department.

SCHENECTADY.—Texas Oil Co. will erect office building on Seneca St.

SYRACUSE.—Bids have been rejected for erection of addition to city hospital. H. E. Hessler, Commissioner of Public Safety.

Dr. John B. Todd is planning to erect residence at South Beech and Trinity Sts.

Architects Russell & King, Snow Block, have submitted to Commissioner of Public Safety Hessler plans for detention quarters for boys and girls in connection with present police station at West Willow and North Clinton Sts.

City Engineer Henry C. Allen has received from Merrick & Randall, S. A. & K. Bldg., Architects, plans and specifications for addition to McKinley School.

YONKERS.—Addition will be erected to city hospital; plans approved by Special Committee.

NORTH CAROLINA

GREENSBORO.—Y. M. C. A. has rejected bids for erection of proposed building.

WILMINGTON.—Board of Directors of Atlantic Hotel Company has selected Milburn, Heister & Co., Architects, Home Life Bldg., Washington, D. C., to prepare plans and specifications for the new \$250,000 seashore hotel to be erected at Wrightsville Beach.

OHIO

AKRON.—American Tire & Rubber Co. will erect several buildings on Beach St.

ASHLAND.—Citizens have voted \$50,000 bonds for erection of brick school on Pleasant St. Vernon Redding, Mansfield, architect; I. H. Good, Clerk School Board.

BELLAIRE.—T. B. Phillips is considering erection of \$20,000 three-story brick building.

CINCINNATI.—M. Y. Cooper is having plans drawn for four residences for Benvenuto subdivision, Hyde Park, which will cost about \$25,000.

Building Committee of Board of Education has authorized the employment of architect to make plans for remodeling Harrison and Garfield Schools.

CINCINNATI.—Architects J. C. Steinkamp & Sons, Mercantile Library Bldg., have completed plans for erection of four-story building at 112 Opera Place for The Emerys.

CINCINNATI.—Architects Tietig & Lee, Lyric Theatre Bldg., are preparing plans for erection of a six-story building at Gilbert and Woodburn Sts.

CINCINNATI.—Findlay St. Theater Co. will erect theater at 823 Findlay St.

Max Kau, Jr., 2241 Guy St., has prepared plans for erection of two buildings.

CLEVELAND.—Frank B. Meade, Garfield Bldg., has been chosen as Architect for the new Willowick, \$35,000 clubhouse, to be erected at stop 146 Shore line.

Fire and life insurance men of Cleveland have formed an organization for erecting a twelve-story office building. W. B. Maxon is interested.

German Beneficial Union will expend \$20,000 in additions and improvements to hall at 1895 W. Twenty-fifth St. A. C. Edwards, American Trust Bldg., Architect.

CLEVELAND.—E. N. Slatter will erect sixteen-story \$2,500,000 hotel at Euclid Ave. and E. Twelfth St.

COLUMBUS.—Preliminary sketches for building to be erected on W. Gay St. for the Buckeye Building & Loan Co. have been approved by the owners, and Architect J. S. Goldsmith, Wyandotte Bldg., is proceeding with working drawings.

CRESTLINE.—Architect Howard & Merriam, Capital Savings & Trust Bldg., Columbus, have prepared revised plans for erection of school.

EAST YOUNGSTOWN.—Bids will be received until noon, Nov. 12, for erection of city building. R. F. Thompson, Youngstown, Architect. D. C. Hamilton, Mayor.

GREENVILLE.—Architects Howard & Merriam, Capital Savings & Trust Bldg., Columbus, have prepared plans for erection of school.

OXFORD.—Board of Trustees of Delta Kappa Epsilon Fraternity, of Miami University, Jefferson Claypool, Indianapolis, President, has decided to erect chapter house.

PORTSMOUTH.—Architects Elzner & Anderson, Ingalls Bldg., Cincinnati, have been commissioned to prepare plans by First National Bank for eight-story reinforced concrete structure.

TOLEDO.—Bids will be received until noon, Dec. 5, for erection on high school on Collingwood Ave. David L. Stine, Architect. Geo. L. McKesson, Director of Schools.

TRENTON.—Bids will be received until 3 p. m. Nov. 19 for erection of school house. W. D. Lingler, Frechtling Block, Hamilton, Architect. J. K. Brill, Clerk Board of Education.

YOUNGSTOWN.—City Hospital Board of Trustees have decided to secure plans for erection of \$40,000 addition. Geo. L. Fordyce, president.

Chamber of Commerce, M. J. McGown, secretary, will take up matter of erection of auditorium.

OKLAHOMA

ARAPAHO.—Plans and specifications will be received until Nov. 10 for erection of court house. \$50,000 bonds voted. F. T. Huston, Clerk Custer County.

MEDFORD.—School District has sold bonds for erection of \$40,000 school.

PENNSYLVANIA

ALTOONA.—Walnut St. Methodist Church will erect edifice next spring. Rev. J. K. Kinsley, Pastor.

Dr. Geo. C. Schwartz is interested in erection of proposed horse hospital on Twentieth St.

BETHLEHEM.—Bethlehem Steel Co., President Schwab, is considering plans for erection of \$600,000 hotel in South Bethlehem.

CORRY.—Local Elks have decided to erect temple and club house on N. Centre St.

DALESFORD.—Thomas, Churchman & Molitor, architects, 1309 Walnut St., Philadelphia, have completed plans for a two-and-a-half-story stone and frame house to be erected at cost of \$9,000 for T. R. Elcock, Rosemont.

EAGLEVILLE.—Jewish Sanitarium for consumptives will erect \$10,000 ward building at hospital.

EASTON.—Lafayette College is to have a new building, to cost about \$200,000, to be used for the mechanical engineering department.

ERIE.—White Eagle Protective Circle will erect \$10,000 home on E. Thirteenth St. Rev. Andrew Ignasiak, President.

GREENVILLE.—E. F. Hughes will erect large building. E. E. Clepper, Sharon, Architect.

HARRISBURG.—Baptists are planning to erect Chapel at Sixth and Schuylkill Sts.

HAVERFORD.—Baily & Bassett, Architects, 421 Chestnut St., Philadelphia, are preparing plans for \$100,000 brick and concrete fireproof four-story apartment house for Frank H. Mahan.

JESSUP.—First National Bank will erect two-story building. Edw. Langley, Scranton, Architect.

JOHNSTOWN.—Council is considering enlargement of city prison.

PHILADELPHIA.—Hopkins & Milgram will erect large building in near future at Forty-first St. and Lancaster Ave.

Committee on Public Health and Charities will secure data to be used in construction of buildings for Philadelphia Hospital for Insane and Almshouse.

PHILADELPHIA.—Reformed Church of Oak Lane has purchased site on Sixty-sixth St. for erection of church in near future.

Globe Amusement Co. will erect \$125,000 theater at Fifty-ninth and Market Sts. Anderson & Haupt, architects.



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PHILADELPHIA.—Architects Charles W. Bolton & Son, Witherspoon Bldg., are preparing plans for proposed \$100,000 synagogue for Adath Jeshurun Congregation, 2109 North Broad St.

The North Penn Trust Co. has commissioned C. B. Keen, 1220 Chestnut St., to plan \$12,000 one-story bank building of stone to be built at corner of Twenty-ninth and Dauphin Sts.

A. A. Richter, Lebanon, has completed plans for \$40,000 Frankford Methodist Episcopal Church, to be erected at Frankford Ave. and Foulkrod St.

PHILADELPHIA.—Architect A. A. Ritcher, of Allentown, has completed plans for \$40,000 church for Frankford Ave. Methodist Episcopal Congregation at Frankford Ave. and Foulkrod St.

Architects Frank Miles Day & Bro., 925 Chestnut St., are designing \$75,000 gymnasium for Mercersburg Academy.

Heacock & Hokanson, Architects, Bailey Bldg., have completed plans for two-story and basement club house for the Twentieth Century Club at Lansdowne.

Architects Bailey & Bassett, 421 Chestnut St., are preparing plans for residence and garage, to cost \$18,000, at Bryn Mawr for Shipley Norris.

SCRANTON.—Contractors have been asked to submit bids on erection of four-family apartment to be built at 233 Harrison Ave. for Mrs. Catherine Finnerty. Plans by Architect I. A. Hartman, 745 North Irving Ave.

WASHINGTON.—Plans are being prepared for erection of \$125,000 residence on Observatory Hill for Wm. McK. Smith.

WESTCHESTER.—Members of Company I, Sixth Regiment, N. G. P., is looking for a site for erection of the armory promised by State.

Congressman Butler, of Westchester, has recommended that Commissioners of Chester County, instead of erecting proposed \$25,000 soldiers' and sailors' monument erect memorial building in which may be kept old records, etc.

TREVOSE.—Contract for rebuilding residence for Jesse James has been awarded to William D. Bubeck, of Somerton, which was designed by C. E. Schermerhorn and Watson K. Phillips, associate architects, 430 Walnut St., Philadelphia; estimates are now being taken on plumbing and heating systems.

RHODE ISLAND

PAWTUCKET.—Erection of Industrial Home building and superintendent's house is being considered. L. B. Goff and others are interested.

WOONSOCKET.—Plans and specifications for the new Y. M. C. A. building, to be erected on Federal St., have been completed by the architect, Walter F. Fontaine.

WOONSOCKET.—Masonic Building Association is considering erection of temple. Charles M. Arnold, President.

TENNESSEE

CHATTANOOGA.—L. M. Russell, of the United States Cast Iron & Pipe Co., has purchased site on corner of Bailey and Highland Park Aves., and will begin soon erection of residence.

C. G. Walline, D. B. Loveman Co., is considering erection of residence on Mission Ridge.

John Bright, cashier of Southern Express Co., is considering building home on mountain in spring.

CHATTANOOGA.—S. R. Read will erect modern business building at Georgia Ave. and Walnut St. C. E. Bearden, Architect.

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TEXAS

HOUSTON.—Settegast & Kopf Co. have had plans prepared for erection of four-story building on Fannin St.

MAXWELL.—School Board is considering plans for erection of \$6,000 school.

McKINNEY.—Council has ordered erection of two public schools; \$25,000 bonds will be issued.

PORT LAVACA.—City Commissioners will at once erect engine house.

George Murphy, Charles E. Clark, Charles Mockbee, Rev. Forrest Smith, F. W. Creager, Carl Nall and B. O. Gray will erect new residences.

YSLETA.—Erection of \$10,000 school is being considered.

UTAH

OGDEN.—Plans for \$100,000 club house, to be erected at Grant Ave. and Twenty-fourth St., have been adopted by the board of governors of the Weber Club. L. S. Hodgson, architect.

Board of Education will purchase site on Twenty-second St. for erection of school.

VERMONT

BRATTLEBORO.—Textile mill, cost \$500,000, will be erected in this city by M. C. Chace, Providence, R. I. Board of Trade is also interested.

BURLINGTON.—Erection of city hall is being considered.

MONTPELIER.—Legislature is considering bill appropriating \$25,000 to University of Vermont for erection of building for Agricultural Department.

VIRGINIA

CLARENDON.—Harding & Upman, 729 Fifteenth St., N. W., Washington, D. C., have prepared plans for erection of residence for E. W. Ball.

Board of Control has recommended erection of \$55,000 police station.

PORTSMOUTH.—Fairmount Baptist congregation has purchased church site at Ballentine Boulevard and Halstead Ave.

WASHINGTON

EPHRATA.—Henrick Brewing Co., Seattle, is considering erection of hotel at Jefferson and Front Sts.

HILLYARD.—Erection of \$10,000 Y. M. C. A. building is being considered.

NORTH YAKIMA.—New bids will be asked for erection of \$12,000 fire station from plans by Architect Weatherwax.

SPOKANE.—Geo. A. Brown and others are considering erection of building on Riverside Ave.

SPOKANE.—Architect K. G. Malingren has prepared plans for erection of apartment house on Division St.

SPOKANE.—Union Iron Co. will at once erect \$24,000 brick machinery building at Pearl and Montgomery Sts.

Merchants and Manufacturers' Improvement Co. will erect \$11,000 building at Second Ave. and Perry St.

TEKOA.—Daniel Holzman, Spokane, is planning erection of two-story brick block at Main and Railroad Sts.

WALLA WALLA.—First Baptist Church is considering erection of \$50,000 edifice.

WISCONSIN

HOUGHTON.—Houghton County will build \$75,000 jail and sheriff's residence.

MADISON.—Wisconsin chapter of Pi Beta Phi is planning to rebuild sorority house at 233 Langdon St. this Spring. Structure will be three-story affair to cost \$20,000.

MILWAUKEE.—Bids will be received until Nov. 14 for erection of central fire station at Broadway and Market St. Cost \$95,000.

State Board of Control will erect proposed Home for the Feeble Minded, cost about \$1,000,000, near this city.

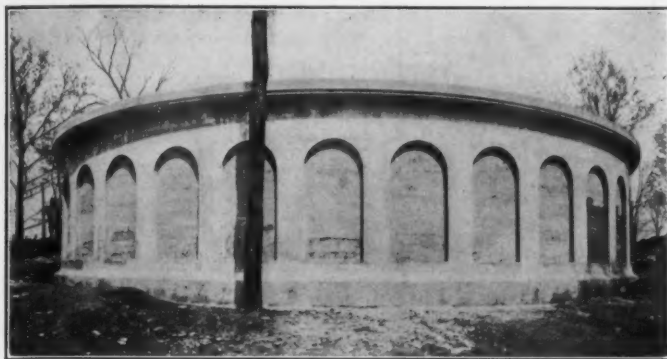
Citizens will vote next spring on \$320,000 bonds for new school buildings.

SUPERIOR.—George C. Newton Co. will at once let contracts for erection of two buildings on Tower Ave.

WAUSAU.—Eagles' Lodge is planning to erect \$15,000 club house.

WYOMING

FORT D. A. RUSSELL.—Bids will be received until 9:30 a. m., Nov. 14, for erection of post hospital. F. S. Armstrong, Keefe Hall, Cheyenne, constructing quartermaster.



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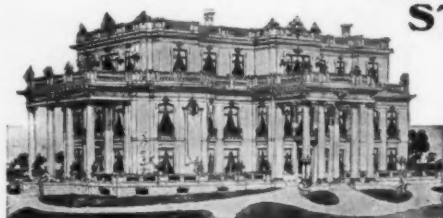
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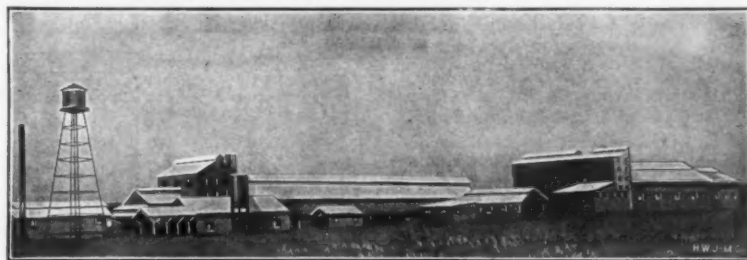
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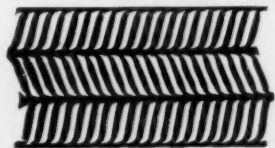
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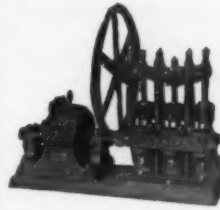
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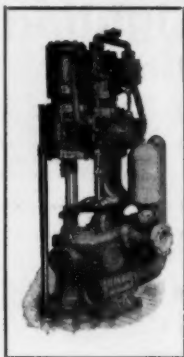
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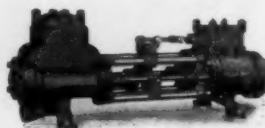
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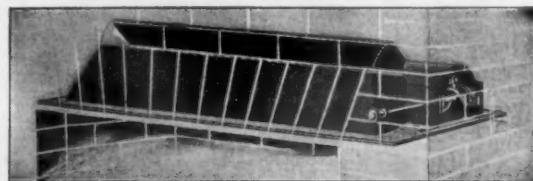
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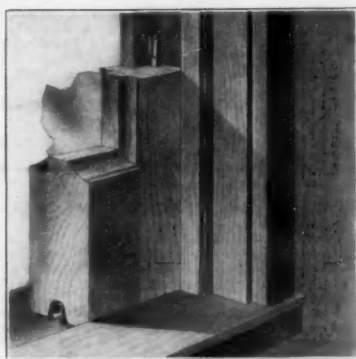
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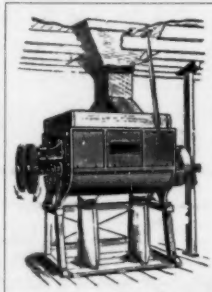


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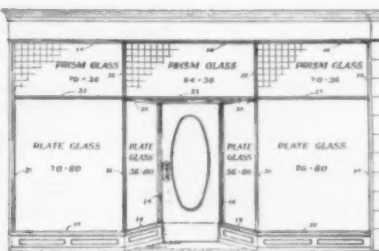
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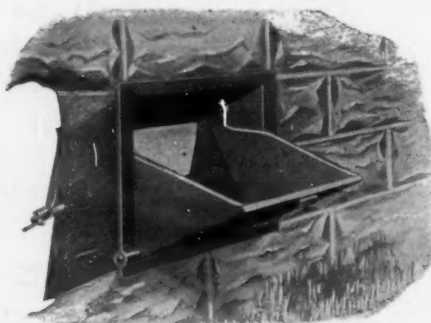
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Grand Rapids, Wisconsin



CLOSED AND LOCKED

Furnished with Solid Cover or with Bull's Eye Discs

WATERPROOFING CONCRETE

thoroughly and permanently throughout the entire mass at

One Dollar Per Cubic Yard

is the result obtained by the use of our process.

Compound seven cts. per lb., any R. R. Station

A mixing machine loaned free of charge with quantities of our product.

McCORMICK WATERPROOF PORTLAND CEMENT CO.
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The "GLOBE" Ventilator

IN BRASS, COPPER, GALVANIZED IRON
AND WITH GLASS TOPS FOR SKYLIGHT PURPOSES

SIMPLE SYMMETRICAL STORM-PROOF EFFECTIVE
FOR PERFECTLY VENTILATING BUILDINGS OF EVERY CHARACTER

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SEND FOR MODEL
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Globe Ventilated Ridging

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"The 'GLOBE' is built on honor
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Plastic Ornaments

WE MANUFACTURE

Ornamental Plaster, Composition Ornaments, Cement Mantels and Garden Furniture, Capitals and Brackets (interior and exterior). Composition and Wood Lighting Fixtures. We have catalogs showing these different lines.

THE DECORATORS SUPPLY CO., Archer Ave. and Leo St., CHICAGO

We have the largest and best equipped manufacturing plant
for that purpose in the world

MERCHANT'S OLD METHOD

Unequaled as a Roofing Plate.

Unparalleled as to the Combination of Weight and Regularity of Coating.

Unparalleled as to Rigid Assortment.

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Open Hearth Base.

"Reg. U.S.

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MERCHANT & EVANS COMPANY

Manufacturers of the finest quality of Roofing and Bright Tins

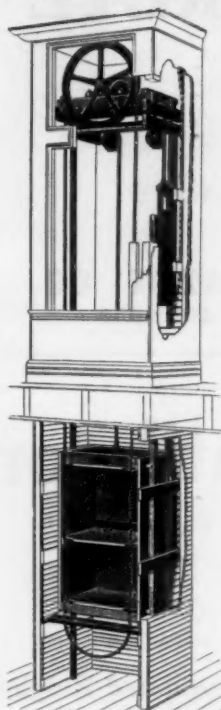
PHILADELPHIA

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A Sedgwick Hand Power Elevator or Dumbwaiter

once installed is a guarantee from the Architect that the owner has the best in the market.

50 years of experience have taught us how to build and install them so as to give greatest satisfaction.

You can profit by our experience.

Allow us to demonstrate our superiority in this field.

Catalogue sent upon request.

SEDGWICK MACHINE WORKS, 128 Liberty St., N. Y.

Nonpareil Cork Covering for Cold Pipes

THE best architects specify it exclusively for brine, ammonia and refrigerated drinking water lines.

It is thoroughly efficient, neat in appearance, easy to apply, reasonable in cost, and

"Lasts Longer Than The Pipe"

Armstrong Cork Company

Insulation Department

PITTSBURGH, PA.

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Nonpareil Cork Works, 50 Church Street, New York.
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The Philip Carey Company, Lockland, Cincinnati, Ohio.

WOODBURY GRAY GRANITE

is chosen for the new Mahoning County Court House, at Youngstown, Ohio, by unanimous vote of the Commission, on the first ballot. The artistic effect of Woodbury Gray Granite, our facilities for prompt delivery, and our record of successful achievement of some of the largest granite contracts ever awarded, won this \$250,000 contract for us. Messrs.

Owsley, Boucherle & Co. are the architects.

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Perfect uniformity in all those properties which make Portland Cement of the highest quality distinguishes Universal Portland Cement. Absolute uniformity in soundness, strength, fineness, color and setting qualities is secured by the use of materials, methods and devices representing the highest perfection in the manufacture of Portland Cement.

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Annual Output 8,000,000 Barrels

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Now if ever is the time when reputation counts. The cost of Turpentine, Linseed Oil and Varnish Gums has advanced so enormously that the temptation to market inferior goods is naturally strong.

Reputation is the best guarantee that you obtain what you want.

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I. X. L. No. 1—The finest varnish for interior work.

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Spar Coating.

WE GUARANTEE

these varnishes as well-aged and made of nothing but hard fossil gums of superior grade, finest oil of special refining and pure spirits of turpentine. No Rosin. No substitutes. Your customers protected by "83 Years Experience in Every Can."

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Main Office and Works:
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ARCHITECTS, ATTENTION!



Plate G-194 (Patent applied for)

Here is something you have been looking for a long time, a combination lavatory and dental basin cast integral. Absolutely new and unique, and a fixture that will fill a long-felt want. Furnished with special fittings as shown, which include bi-transit waste, three four-arm china handle and china index compression cocks, supply pipes with wheel handles, flask trap, special waste connection, and flushing fixture for dental basin.

DIMENSIONS		LIST
Slab.....	20 in. x 27 in.	
Height of back.....	10 in.	Enameled inside, less fittings..... \$26.50
Depth of apron.....	5 in.	Enameled all over, less fittings..... 28.50
Lavatory bowl 12 in. x 14 in.		Fittings as shown and described, complete. 27.50
Dental bowl.....	7 1/4 in.	If trap is not wanted, deduct..... 5.00

NOTE: With the exception of the trap all the above fittings are made especially for this lavatory and must be furnished. This fixture is fitted up, water turned on and all fittings are carefully tested before shipment.

THE CAHILL IRON WORKS

Chattanooga, Tenn.
New York Office: 76 W. 36th St.
Thos. H. Hutchinson, Mgr.
N. Y. Warehouse, 558-560 W. 34th St.
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Russell D. Knight, Sales Agt.
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Chas. H. Stanyan, Sales Agent.
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H. A. Heppner & Co., Sales Agents.
Chicago Office: 163 Randolph St.
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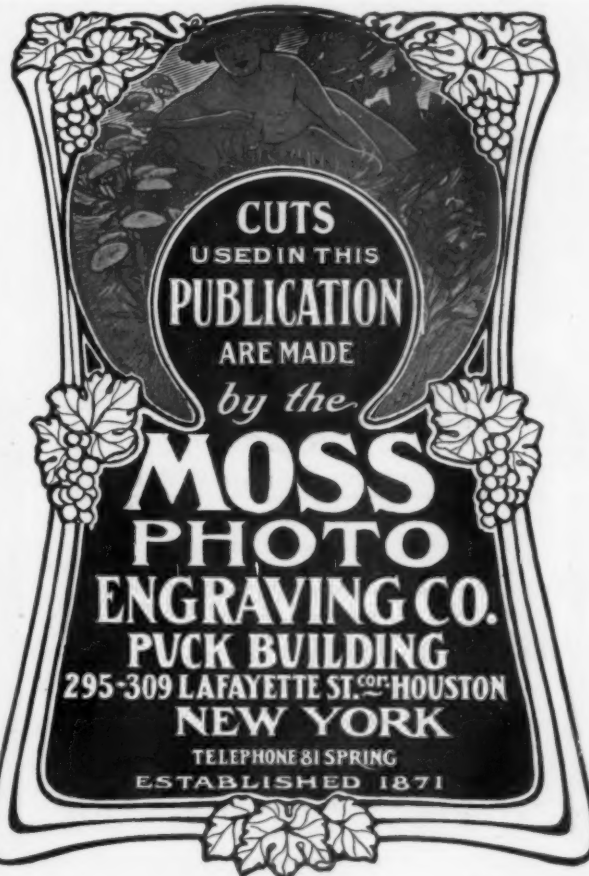
"Richardson" Boilers

For Steam and Water

*Thousands in Use
Please Everybody*

SPECIFIED BY LEADING ARCHITECTS

Richardson & Boynton Co.
CHICAGO NEW YORK BOSTON



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295-309 LAFAYETTE ST. COR. HOUSTON
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TELEPHONE 81 SPRING
ESTABLISHED 1871



IRVINE FLATS, SAN FRANCISCO, CAL.
Medusa White Portland Cement
 used for entire exterior plaster.

Medusa Waterproofing

(Patented Apr. 23, 1907)

Makes concrete impervious to water and gives absolutely permanent results. Does not affect strength, setting, or color of Portland cement. Not a wash or an experiment.

Write for prices and illustrated pamphlets giving instructions for use.

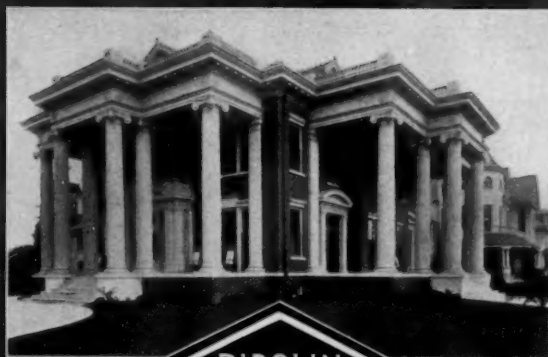
Sandusky Portland Cement Co.
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Also obtain prices on Medusa Gray Portland Cement.

Medusa Products Signify Quality Annual Production, 1,500,000 Barrels.



The
**Northwestern
 Terra Cotta Co.**
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 manufactures the
 Highest Grades of
**ARCHITECTURAL
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**ENAMELED
 WORK**
A SPECIALTY



JAY RESIDENCE
 NEW ORLEANS, LA.

FINISHED WITH
 RIPOLIN

An Imported Enamel Paint

For all interior or exterior finish.

Made in Holland. Famous in the Old World.

Will not craze, peel or blister. Permanent in color. Gives a firm, beautiful finish. No Domestic paint can approach it.

Has been specified by Architects on hundreds of the finest Homes, Hotels, Hospitals, Business and Public Buildings in this Country.

Unaffected by the weather. Can be washed without injury. Wonderfully elastic.

Equally desirable for interior and exterior use.

Send for Architects' Book and Proof of Quality.

J. A. & W. BIRD & CO.

77 PEARL STREET Founded 1837 BOSTON, MASS.



BRONZE ENTRANCE DOORS
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ARTISANS IN ALL METALS

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The Cutler Mail Chute

"The Cheapest Modern Improvement."



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modern improvement in its best form, and the only way to secure this is to specify the Cutler Mail Chute and insist on getting it.

Infringers are under injunction.

CUTLER MAIL CHUTE COMPANY,
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The cost of the Cutler Mail Chute in a ten story office building is so small that the interest on the investment amounts to only about \$1.25 per week.

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There is then no possible reason why even the less important buildings should not have this

Pullman Spring Sash Balances



the modern sash operating device, **do not require** Box Frames. They represent an improved type of construction that is also a **saver of space and money.** Architects everywhere welcome the change. Disproportionately **large mullins** in double and triple

windows **no longer required.** Masonry piers **no longer cut into** and **reduced** to make room for window boxes. Undesired trim in schools, hospitals, Y. M. C. A. buildings, etc., no longer necessary to cover. **Pullman Balances** are durable, quiet, and easy running. We guarantee their operation.

Send for catalogue. It will be worth while.

PULLMAN MFG. CO.
40 Allen St., Rochester, N. Y.

Old Subscribers

are familiar with the artistic value of the

DOUBLE PAGE GELATINE PLATES

Published in the International Edition of
The AMERICAN ARCHITECT

During the first three months of 1902 these were omitted from the weekly issues and were sent to subscribers as a special issue, on April 5, 1902, in a portfolio of

FIFTY PLATES

Mostly Double Pages

These plates presented *General Views, Details* (exterior and interior), and Measured Drawings of Dignified Examples of Architectural Work.

They are valuable for reference and replete with suggestion. A limited number of these portfolios is for sale. Price \$1.50 postpaid.

Book Department

The AMERICAN ARCHITECT
239 WEST 39th STREET, NEW YORK

(502)

M. P. Durable Floor Varnish
is for use upon natural finished, painted or grained floors. In point of durability and appearance it cannot be excelled. It does not mar nor scratch white. It is pale in color and successfully withstands the hard usage to which a floor varnish is subjected.

Used by the Best Painters Everywhere
List Price \$3.00 Per Gallon

We will appreciate your specification of this material and we agree to follow up the work to insure its use.

We refer you to Sweet's Index, pages 1324 and 1325

THE GLIDDEN VARNISH COMPANY
Makers of High-Grade Varnishes for all purposes
Glidden Building Cleveland, Ohio

GLIDDEN'S
GREEN LABEL VARNISHES

**Protect and Ornament your Concrete,
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With

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BRICK AND CEMENT COATING

It safeguards concrete and stucco from the ravages of dampness, prevents hair cracking, overcomes the monotonous gray tones or spotted appearance of cement, can be used as a finishing plaster on concrete walls instead of the ordinary finishing plaster.

Railroads, corporations, individuals are using it in mills, factories, office buildings, residences, track elevations and in subways, with marked success. It does not destroy the distinctive texture of concrete. It has been endorsed by the National Board of Fire Underwriters as a fire retarder.

Trade Mark



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Write at once for our book and color card.

See our exhibit at Madison Square Garden, Dec. 14 to 20, 1910. Also at the Chicago Coliseum, Chicago, Feb. 17 to 23, 1911.

Wadsworth Howland & Co., Inc.

Paint and Varnish Makers and Lead Corroders
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HOLLOW METAL FIREPROOF WINDOWS

tested and approved by the
National Board of Fire
Underwriters Laboratories.



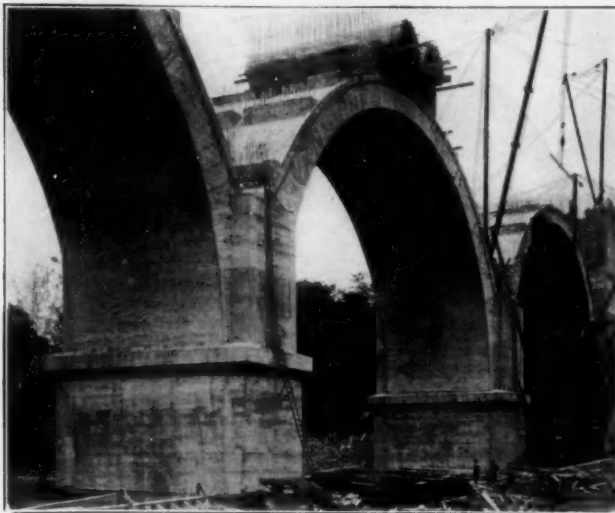
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Successors to

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**Delaware, Lackawanna & Western Railroad Viaduct
at Vails, N. J.**

REITER, CURTIS & HILL - - - General Contractor
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MAIN ENTRANCE DOORS
Cleveland Post Office
Cleveland, Ohio

A. W. BRUNNER, Architect



The Gorham Company

Architectural Bronze.

Fifth Avenue, New York

Works at Providence, R. I.



As Specialists in Sanitary Pottery

**The Trenton
Potteries Company**

Make sanitation a science. Study
its requirements and make ware
to conform with the latest ideas.

FOR INSTANCE:

Did you ever know that through the settling of a building, that a closet connection might break, thereby allowing the deadly sewer gases to pervade the room, endangering the health of everyone within its limits?

The closet shown in this illustration is our Plate 1015, having a back supply and wall outlet. Should the connection through the wall break, the fact would almost instantly become apparent by discoloration of the tile around the base of closet.

As specialists in Sanitary Pottery *only*, we know these things and do our part towards providing the public with fixtures that are highly sanitary. Do your part by specifying our ware. Any plumbing supply house can furnish it.



*The Trenton
Potteries Company*

Trenton, New Jersey, U. S. A



“LATHING WITHOUT LATH”



SACKETT PLASTER BOARD



FIREPROOF

Soundproof

Stainproof



Write us for particulars and sample.

UNITED STATES GYPSUM COMPANY

New York

Cleveland

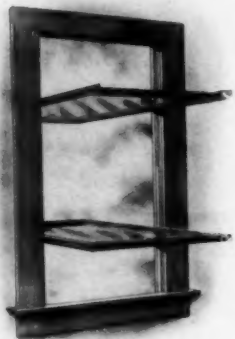
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The Dean Reversible Window



Showing Upper Sash Lowered and Reversed for Cleaning.

Endorsed by School Boards, Architects and Builders

A necessity—not a fad or luxury. A sane, sensible departure from the ordinary window, with its cleaning dangers, its tendency to stick, jam or rattle, and its proclivity as a draft producer.

A window that has made good. For the first time introduced outside of its home city.

A window that **SLIDES UP AND DOWN** and **URNS INSIDE OUT**; that **STAYS WHERE SET** without any locks or catches; that **BRINGS THE OUTSIDE TO THE INSIDE**; that directs the **DRAFT TO THE CEILING**; that **PROTECTS** the interior **AGAINST RAIN OR SNOW**.

A window that is made right from California sugar pine. Will **NEVER GET OUT OF ORDER**, and in the end **COSTS LESS**.

WE PAY THE FREIGHT TO BUYERS' TERMINAL

Every architect in the country should be fully conversant with the Dean Window and should specify it on their good work. Clients will appreciate the clause, "**DEAN WINDOWS TO BE USED THROUGHOUT**." **NO EXTRA DETAILING** necessary, as they fit in ordinary frames.

Let us send you partial list of users and full details. Right away. Start on a good thing quickly. Territories now being allotted.

PACIFIC SASH COMPANY, 260 California St., San Francisco, Cal.



This Casement With or Without Transom is Especially Adapted to Office Buildings.



VARIETY, QUALITY AND DURABILITY

are the three essential closet seat requirements which cause

The "NEVER SPLIT" CLOSET SEAT

to be chosen over all others. Its wood is carefully selected and seasoned, the seat well fitted and reinforced with

BOLTS, NUTS AND WASHERS

It pleases the customer because it is comfortable and durable

NEVER SPLIT SEAT CO.
EVANSVILLE, IND., U.S.A.

Write for model seat to show your customer.

"NEVER SPLIT"
is guaranteed for five years not to split or spread at joints.

Testing White Lead



IF YOU have decided in your mind that pure white lead and linseed oil make the best paint the next point to clear up is how to know a pure white lead when you see it.

Pure white lead is made from metallic lead and by means of a blow-pipe every bit of it can be changed back to metallic lead. You cannot do this with adulterated white lead.

The Dutch Boy Painter trade-mark is also a sign of purity. White lead bearing this trade-mark stands the blow-pipe test and weather and time tests, too.



National Lead Company

New York Boston Buffalo Chicago
(John T. Lewis & Bros. Company, Philadelphia)

Cincinnati Cleveland St. Louis
(National Lead & Oil Company, Pittsburgh)

A Substitute Shines Brightly As a King Until a King Be By.

The general run of self-closing work shines brightly until the King—Mueller Colonial Self-Closing work—be by and then the general run, like the substitute for a king, is deprived of all its seeming goodness.

The qualities which make Mueller Colonial Self-Closing work—be by, and then the general run, of the general run of such work.

Every individual piece of Mueller Colonial Self-Closing work is carefully inspected as assembled and then given a 200-pound hydraulic pressure test. It goes on the market backed by our UNCONDITIONAL GUARANTEE.

**Mueller Self
Closing Basin Cock**



(Patented)

TRADE MARK
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DECATUR, ILL., U. S. A.
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H. MUELLER MFG. CO.

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The Peyton Building Spokane, Wash.
Equipped with Mullins Metal
Fire Proof Windows.

The Peyton Building of Spokane, Washington, shown herewith, is one of the many hundred of modern fire proof buildings equipped with Mullins Windows.

Mullins Fireproof Windows are manufactured under the supervision of *Underwriter's Laboratories, Inc.* according to the latest specifications of the *National Board of Fire Underwriters*, and *every window is inspected, approved and labeled* with their official label.

We have catalogues showing our various lines of product. Please specify the particular class of sheet metal work you are interested in and we will send you the proper catalog for the same.

W. H. Mullins Company, 206 Franklin St., Salem, O.

"An Ounce of Prevention"

It is easier to *prevent* a disastrous fire than it is to *stop one*.

The weak point in all buildings is through the windows.

These openings can be made as fire proof as the walls themselves by installing **Mullins Fire Proof Windows**.

Mullins Fire Proof—Storm Proof—Dust Proof Windows

have successfully withstood the severest trials not only in factory experiments but in actual conflagrations.

Mullins Windows are perfect windows in every way.

Entire lock-seamed metal with no soldered joints in frame, sill or sash. They cannot warp or buckle and are not affected by heat, expansion or contraction.



KELSEY MECHANICAL HEATING



First Universalist Church, Syracuse, N. Y.
Heated and Ventilated by the Kelsey Mechanical System

SYRACUSE, N. Y., April 6, 1907.

Kelsey Heating Co.:

Gentlemen—The Kelsey Fan Heating System which you planned and set up in our new church building is satisfactory in every way. In the matter of quick heating, and in control of hot or cold air drafts to govern the temperature, and the excellent quality of warm air which is furnished, it is the best thing that I have seen in my experience.

These heaters were bought after an experience of fourteen (14) years with the "Kelsey" in our old church building.

Yours sincerely,
(Signed)

FREDERICK W. BETTS,
Pastor First Universalist Church.

for large Residences, Churches
and Schools

SPECIFY KELSEY MECHANICAL HEATING and VENTILATING

This System is Positive at
all times regardless of the
direction of the Wind.

It provides a complete change
of air in every room five or
six times per hour.

No other system so healthful,
economical and easy to man-
age and regulate.

Send for Booklets about Kelsey Heating

Kelsey Heating Co.

Main Office: 207 R. Bldg.
SYRACUSE, N. Y.

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REINFORCED CONCRETE

FACTORIES *AND* WAREHOUSES

BULLETIN No. 9.

SEPT. 1 - 1910

YOUR PROBLEM OF
BUILDING WILL NOT BE
CORRECTLY SOLVED UN-
LESS REINFORCED CON-
CRETE IS CONSIDERED.

A BUSINESS THAT IS HOUSED
IN A REINFORCED CON-
CRETE STRUCTURE CAN
BE RUN WITH MINIMUM
INTERRUPTION AND
MAXIMUM ECONOMY. IT WILL
PAY YOU TO INVESTIGATE THE
FACTS ON WHICH THIS STATE-
MENT IS BASED. ✻ ✻ ✻ ✻

TURNER CONSTRUCTION COMPANY
CONSULTING ENGINEERS AND CONTRACTORS
MAIN OFFICE — 11 Broadway — NEW YORK
BRANCH OFFICE — 312 Prudential Bldg. BUFFALO, N. Y.

R E I N F O R C E D C O N C R E T E



BRICK VENEER FRONT
FREDERICK LOESER & Co., Warehouse, Brooklyn, N. Y.
Livingston Street Elevation. William Higginson, Architect.
140' x 170' Eight Stories and Basement.
196,000 Square Feet Floor Space.

TURNER CONSTRUCTION COMPANY



PLAIN CONCRETE FRONT

FREDERICK LOESER & Co., Warehouse, Brooklyn, N. Y.

Schermerhorn Street Elevation.

Actual Bids taken on both Steel and Concrete showed that
\$30,000 was Saved by Building of Reinforced Concrete.

R E I N F O R C E D C O N C R E T E



VIEW BETWEEN MODEL FACTORIES 3 and 4.
BUSH TERMINAL CO. FACTORIES, 36th St., Brooklyn, N. Y.
Factory No. 3, 600' x 75' Factory No. 4, 750' x 75'
Each Six Stories and Basement.
William Higginson, Architect.

Making Changes in Concrete Buildings

Changes in machinery, steam pipe and electric wire layouts in reinforced concrete buildings are made without difficulty.

An investigation of the Bush Terminal Company's properties will substantiate this statement.

On the opposite page are shown two of the four Factories which we have already completed for this Company. Each building has six floors and a basement. The first three which we constructed are 600' x 75'; the last one is 700' x 75' with an ell 100' x 100'. We are now constructing two more which are similar in size.

These six concrete buildings have a total floor area of 48 acres, which is rented out in either large or small areas for manufacturing and warehouse purposes.

The following list of products handled in the four that are completed will give an idea of the varied manufacturing conditions which are met by these buildings:

Albums	Gum Cloth	Machinery
Brushes	Heaters	Olives
Chewing Gum	Hardware	Preserved Fruit
Clothing	Iron and Steel	Post Cards
Cocanut	Jute	Rubberized Paper
Corks	Leather Bags	Salt Bricks
Collars	Ladies' Hats	Steam-Fittings
Corrugated Iron	Metal Signs	Tin Stoppers
Cotton Goods	Metal Ware	Wall Paper
Curios	Mill Supplies	Woolens

When these factories were designed it was, of course, impossible to anticipate the working conditions. In fact, the working conditions of any given floor will vary from year to year as the tenants change.

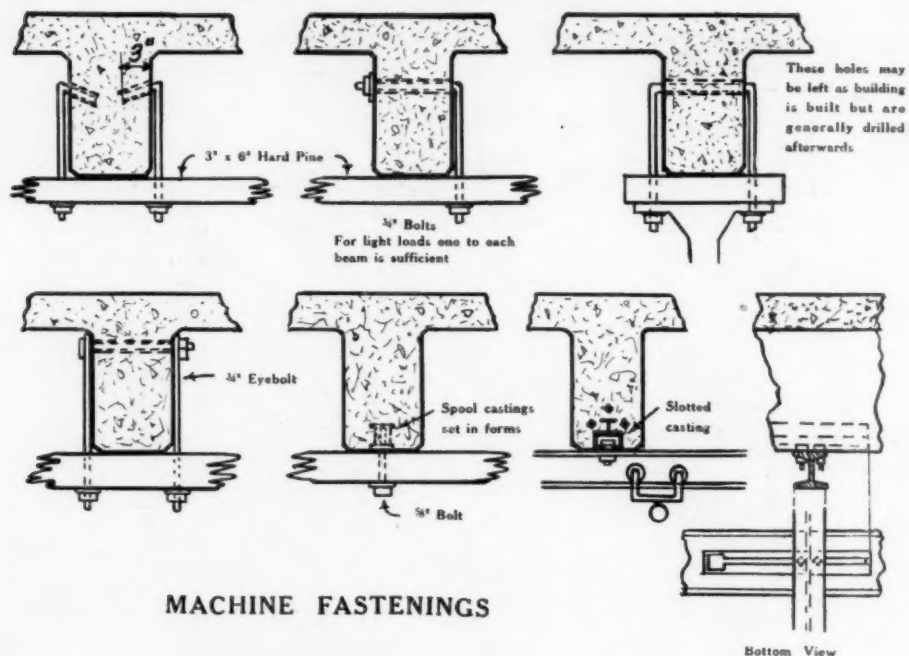
Therefore, it is clear that in this factory development project we have an exceptionally severe test of the adaptability of reinforced concrete construction.

That reinforced concrete construction has successfully met these conditions is evidenced by the fact that these factories have not been built in a sudden boom period but are the result of several years of careful planning and slow growth. Work on a new building was not started until the one preceding it was completed and tenanted.

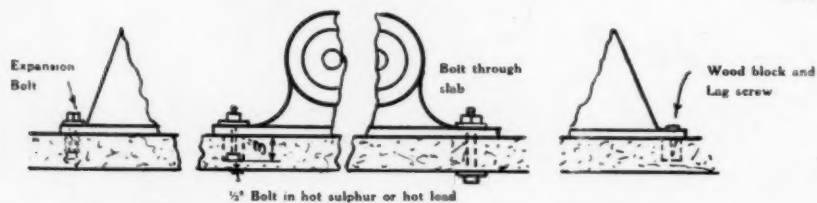
The secret of this successful adaptability is explained in the following two pages.

REINFORCED CONCRETE

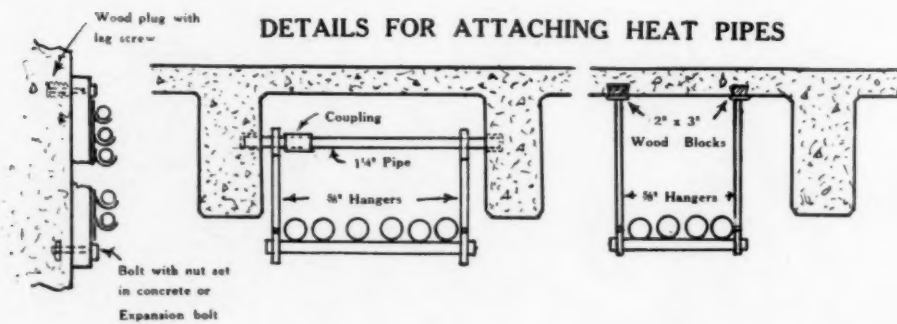
SHAFTING AND MACHINE HANGERS



MACHINE FASTENINGS

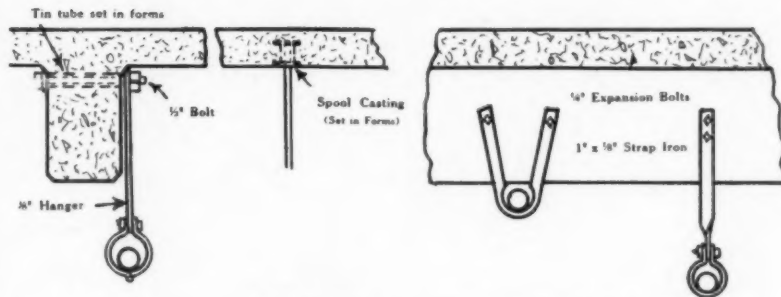


DETAILS FOR ATTACHING HEAT PIPES

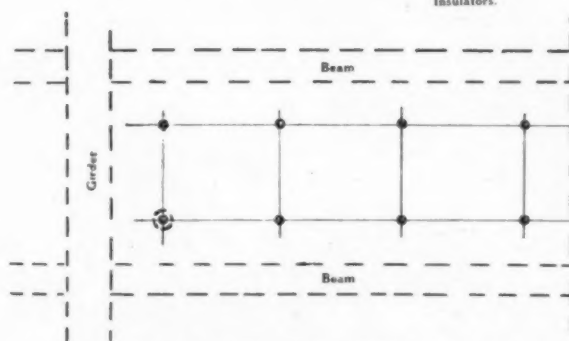
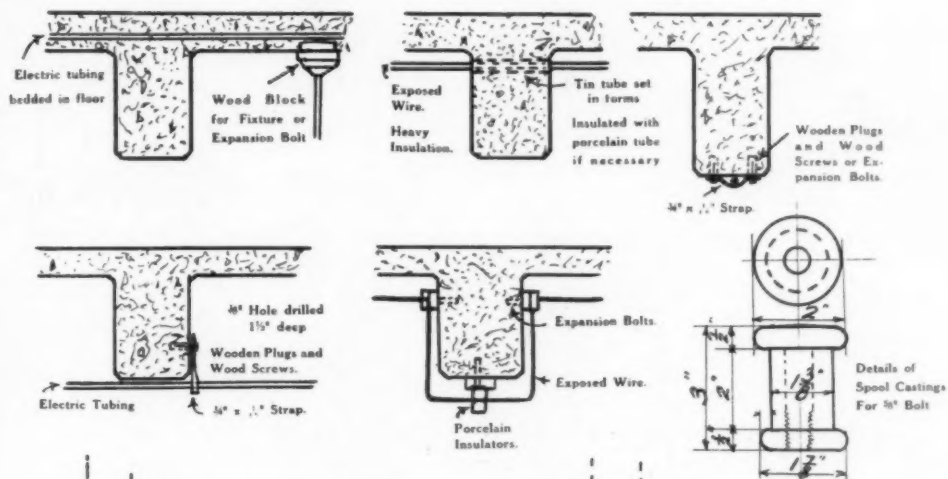


TURNER CONSTRUCTION COMPANY

SPRINKLER PIPE HANGERS



ELECTRIC WIRING DETAILS



LAYOUT FOR SPOOL CASTINGS TO BE SET IN FORMS.
SPOOLS ABOUT 4' 0" C. C. IN EITHER DIRECTION.

This System will serve also for
Shafting, Machines, Piping, Etc.
Wood Supports are bolted to
Spool Casting in any direction.

REINFORCED CONCRETE

Building Construction Speed Records

Turner Construction Company



ISAAC MASON Whse., 137 Johnson St., Brooklyn

7 Stories and Basement . HEIGHT . 8 Stories and Basement
80' x 40' PLAN SIZE 90' x 60'
3,200 AREA PER FLOOR 5,400
25,600 . TOTAL AREA SELF-SUPP. FLRS. . 48,600
48 . WORKING DAYS FOOTG'S TO ROOF . 70
6 . AV. DAYS PER FLOOR SELF-SUPP. . 7 1/2
Winter Weather



EASTMAN KODAK, 235 W. 23d St., N. Y. City



CARBORUNDUM CO. Fact., Niagara Falls, N. Y.

4 Stories HEIGHT 8 Sty. Bamt. & Sub Bamt.
240' x 60' PLAN SIZE Irregular
14,400 AREA PER FLOOR 18,015
57,600 . TOTAL AREA SELF-SUPP. FLRS. 180,150
30 . WORKING DAYS FOOTG'S TO ROOF . . .
BASEMENT FLOOR TO ROOF . . 77
7 1/2 . AV. DAYS PER FLOOR SELF-SUPP. . 7 1/2



FREDERICK LOESER & CO., Brooklyn, N. Y.



BARNET LEATHER CO., Little Falls, N. Y.

4 Stories HEIGHT 10 Stories and Basement
100' x 94 1/2' PLAN SIZE 69' x 56'
9,450 AREA PER FLOOR 3,864
37,800 . TOTAL AREA SELF-SUPP. FLRS. . 42,504
30 . WORKING DAYS FOOTG'S TO ROOF . . .
BASEMENT FLOOR TO ROOF . . 47
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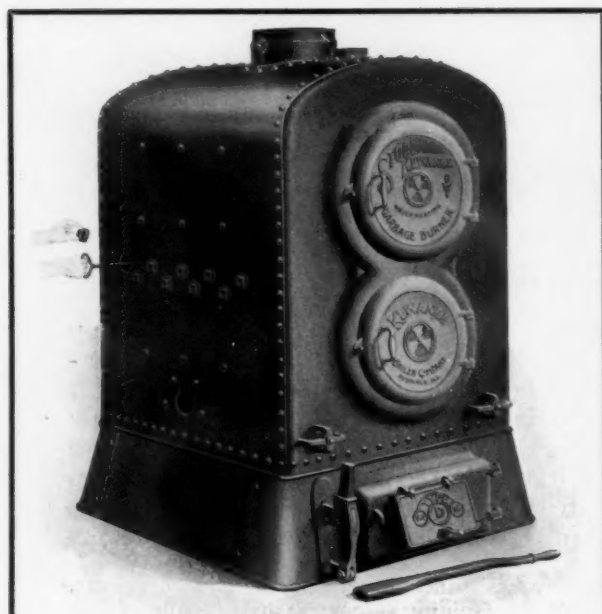
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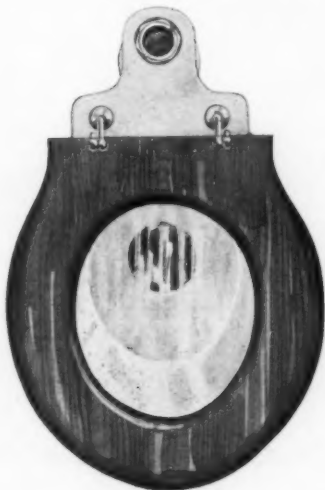
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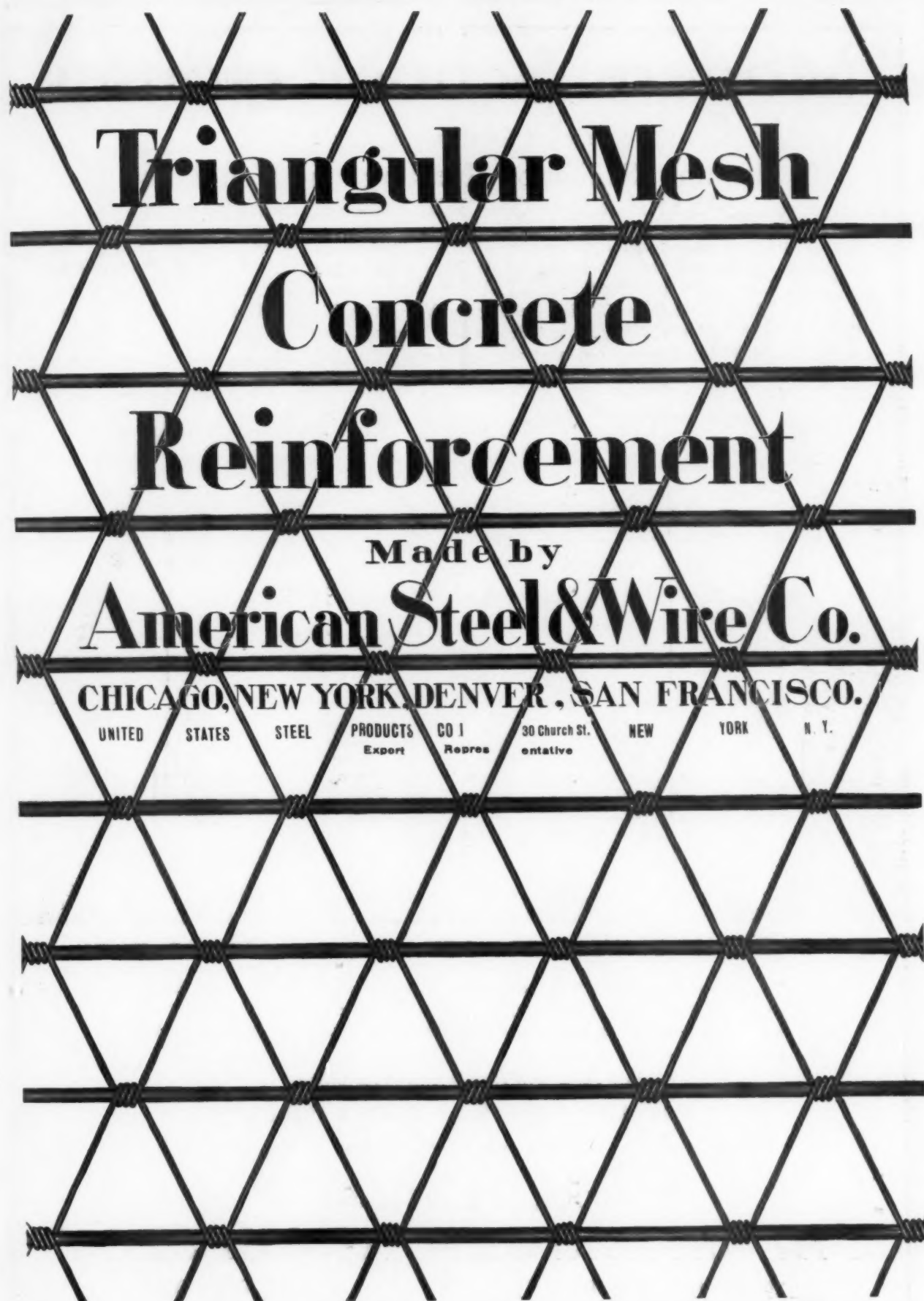
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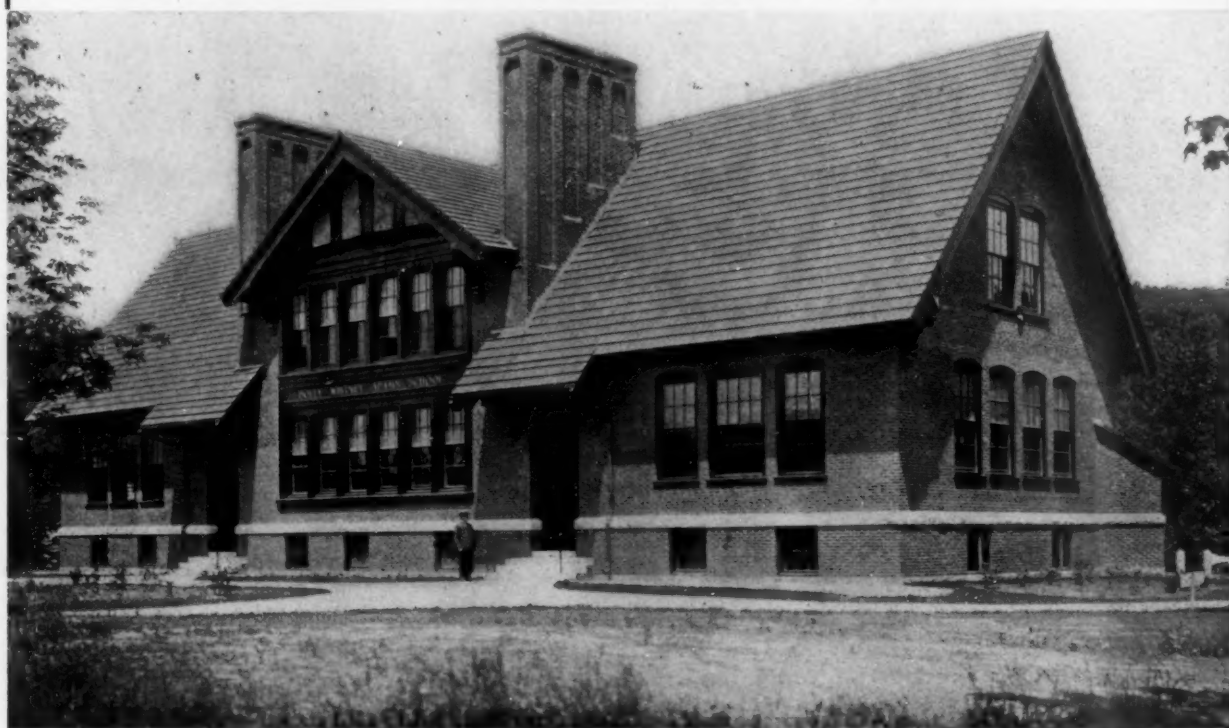
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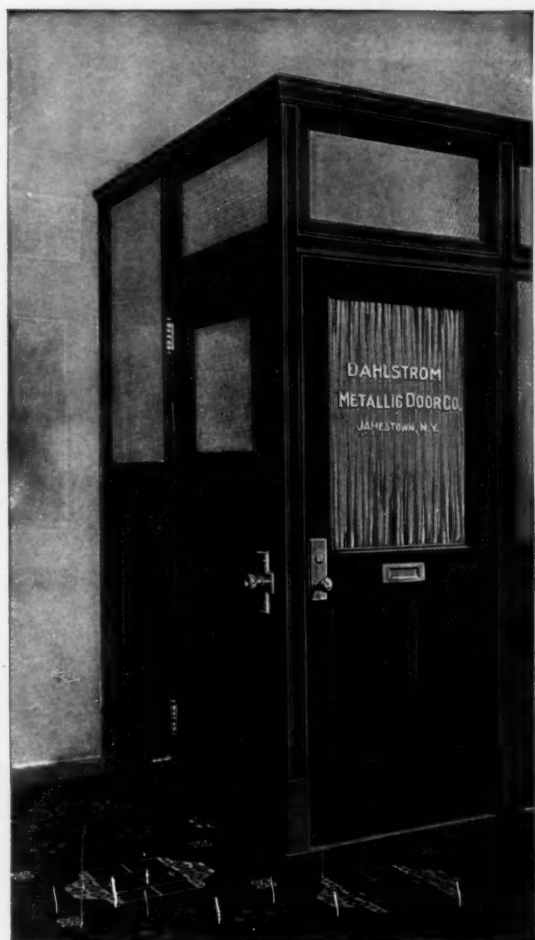
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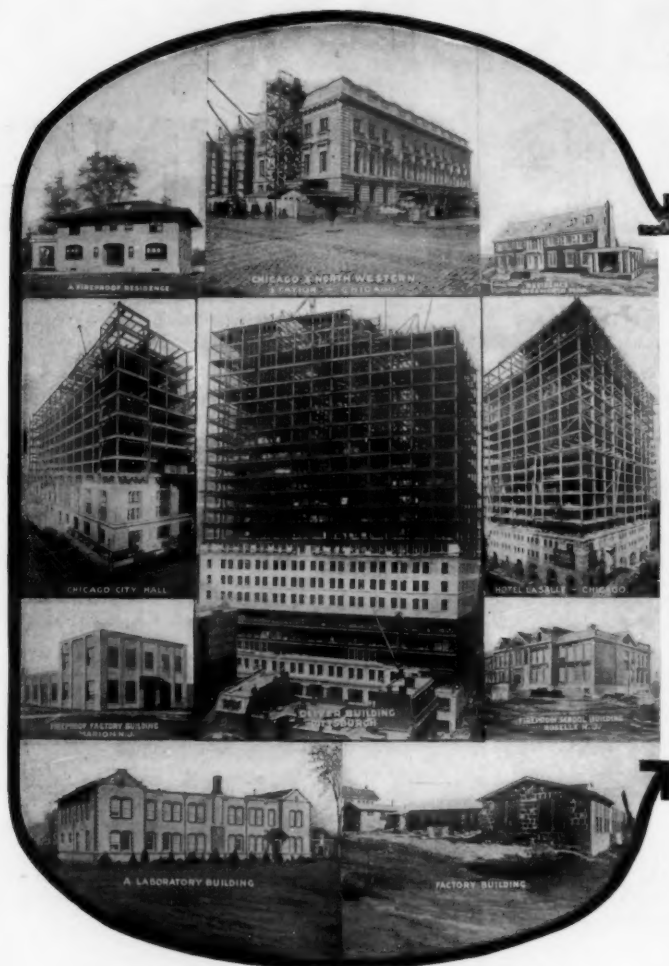
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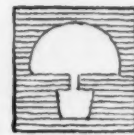
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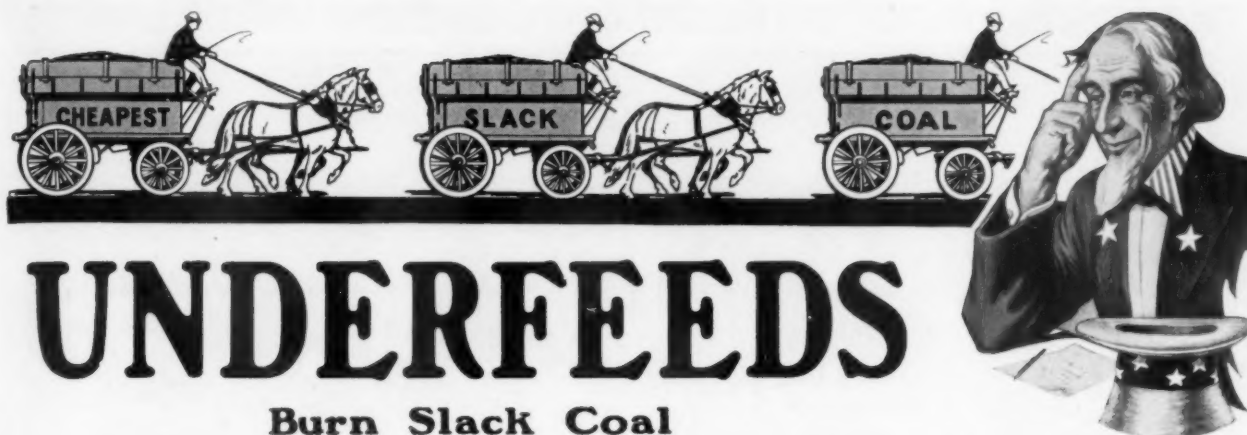


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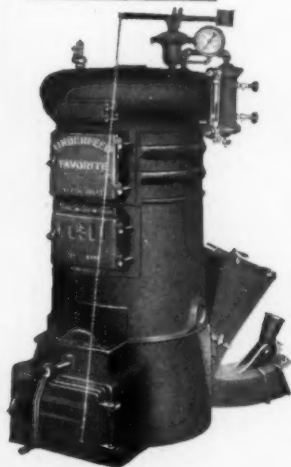
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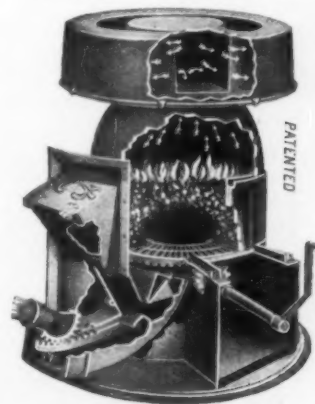
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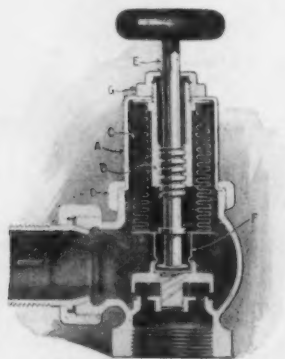
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CURRENT NEWS *and* COMMENT

Condensed Minutes of October Meeting, Philadelphia Chapter, A. I. A.

At the October and annual meeting of the Philadelphia Chapter, A. I. A. the following officers were elected: Wm. D. Hewitt, president; John Hall Rankin, first vice-president; Milton D. Medary, Jr., second vice-president; Horace Wells Sellers, secretary; John P. B. Sinkler, librarian; Charles L. Borie, Jr., treasurer.

Executive Committee: D. Knickerbacker Boyd, Arnold H. Moses, Paul P. Cret.

Delegates to the Convention of the Institute, to be held in San Francisco on January 17, 18 and 19, 1911: Wm. D. Hewitt, ex officio; Horace Wells Sellers, ex officio; John Hall Rankin, Edward A. Crane, D. Knickerbacker Boyd, Charles L. Borie, Jr.; Charles A. Ziegler, Milton B. Medary, Jr.

The meeting was called to order by the president, Mr. Wm. D. Hewitt, who delivered his annual address.

The Executive Committee and all the standing committees reported, among them:

Mr. Ziegler for the Committee on Preservation of Historical Monuments, who reported that the city had accepted the proffered assistance of the chapter in preparing plans for and superintending the restoration of Congress Hall, also for lamps to be placed around Independence Square, in which work his committee, in conjunction with Chief McLaughlin, of the Electrical Bureau, were now engaged.

Mr. Rankin reported for the Committee on Competitions that the committee had been instrumental in improving the program of several competitions during the past year and that the profession and the public had been the gainers thereby.

Mr. Frank Miles Day, at the request of the chair, made a brief report on the work accomplished by the Standing Committee on Competitions of the Institute. He referred to the success of the committee in improving the character of competitions throughout the country.

Mr. Moses, for the Committee on Biography and History, reported that the last work had been done on the history of the chapter which his committee has been compiling and that it would soon be ready for distribution. He also reported that the committee had sent out blanks to all members to be returned with data concerning the life and attainments of each.

The securing of chapter quarters or the erection of a building for the use of the chapter was discussed with the committee appointed for that purpose and the work of the committee ordered continued.

Mr. Crane reported that his committee was concluding all arrangements for the annual dinner of the chapter to be held on November 11, the forty-first anniversary of the founding of the Chapter, at the University Club.

The conduct and management of the usual architectural exhibition was discussed and a committee was appointed to confer with a committee of the T Square Club and arrange all details for an exhibition to be held this season.

Mr. Medary spoke on the recommendation contained in the president's address that a Philadelphia Society of Architects be formed with whom could be associated heads of other allied societies and those interested in the advancement of the arts and sciences.

The president was authorized to appoint a committee to formulate a plan for the organization of such a society and to investigate the charter of a similar society which was formed in Philadelphia in 1871 and to report at a future meeting of the chapter.

Professor Laird reported for the Committee on Education and Program that a program for the ensuing year was in the course of preparation.

Mr. Boyd, for the Committee on Public Information, reported on the work of his committee during the year. This report contained two recommendations, which were very favorably received by the meeting, one of them being that steps should be taken for securing for the institute a document now sorely needed and one of almost equal importance with the schedule of charges and code of ethics, namely a form of agreement between architect and owner. The report suggested that this agreement should not be a short perfunctory affair, but one setting forth in full what each respectively is expected to do in relation to the whole operation, this being public information on a subject now sadly neglected by both the parties in interest.

This other suggestion of the Committee on Public Information was that all the chapters of the Institute should be communicated with and those not having committees on public information should be urged to appoint such a committee. That, further, these committees should arrange between them to exchange minutes of all of their meetings and of any papers issued by any of the chapters. This would extend and enlarge upon the acquaintances formed each year through delegates of the chapters at the conventions and in being beneficial to the chapters would undoubtedly advance the interests of the Institute itself. Few of the chapters now have committees on public information and but two or three issue printed minutes which have been distributed to other chapters and have been the source of healthful suggestions.

Mr. Day pointed out that the Institute's Committee on Contracts and Specifications had been considering a contract between the owner and architect, and as the Philadelphia Chapter's Committee on Public Information were willing to undertake the work of beginning such a document, a motion was passed that they be requested to submit a tentative form to the chapter for its later consideration.

As to exchange of minutes and communicating with other chapters, a motion was also passed instructing the Executive Committee to communicate with the other chapters with the hope that the suggestion might be carried out.

By the Civil Code of France both architect and contractor are held responsible for ten years after the completion of a building for any defects which may develop during that time. It has recently been decided by the French courts that this applies only to such defects as put a building in jeopardy, and not to secondary or minor faults.

M. Antoine, ex-president of the National Society of French Architects, has been appointed Mayor of the city of Amiens.

The Northwestern Architect is in favor of licensing architects in Oregon.

CITY PLANNING CONFERENCE AT LOS ANGELES

Los Angeles, Cal., will have a city planning conference on November 14 to 16, at which time representatives of the various south-western cities will discuss the problems of town improvement that are now fully appreciated as of the greatest importance in civic development.

La Nazione, of Florence, Italy, in the issue for October 16th, publishes a full summary of Professor Good-year's first article on the Leaning Tower of Pisa, which was written for *THE AMERICAN ARCHITECT* and appeared in our columns September 28th.

SOCIETIES

RHODE ISLAND CHAPTER DISCUSSES COMPETITIONS

Competitions was the subject under discussion at the last monthly meeting of the Rhode Island Chapter, A. I. A. A committee was appointed to secure permanent rooms to meet the needs of the Chapter and its largely increased membership. A communication was read from the Washington State Chapter requesting information as to building laws in Rhode Island, to which the secretary was directed to reply with full information.

The Chapter voted a contribution of \$50 to the McKim memorial.

OAKLAND (CAL.) ARCHITECTURAL CLUB

We stated in a previous issue that the architects of Oakland, Cal., contemplated the organization of an Architectural Club. We now learn that this has been accomplished. The officers elected for ensuing year are as follows: President, Hart Wood; vice-president, E. B. Mead; secretary-treasurer, W. J. Wilkinson; directors—John Galen Howard, L. C. Mulgardt, Oswald Spier and C. E. Richardson.

PERSONAL

Albert Held, architect, Spokane, Wash., informs us that he has moved his offices to the Realty Building, Spokane.

We are informed that the firm of Charles Henry & Son, architects, Akron, Ohio, has been dissolved by mutual consent.

Mr. Leroy W. Henry will continue the business, in which he will be associated with Mr. Milton E. Murphy, under the firm name of Henry & Murphy.

INDUSTRIAL

FIFTY-THREE YEARS AT ONE LOCATION

After fifty-three years of business activity at one location, I. P. Frink, manufacturer of reflectors, has, owing to a rapidly increasing business, been compelled to move to larger quarters at the northwest corner of Twenty-fourth street and Tenth avenue, New York.

Frink reflectors, known wherever reflectors have been used, were for half a century and over made at 53 Pearl street, New York.

CONCRETE MACHINERY

The Ideal Concrete Machinery Co., of South Bend, Ind., have recently issued catalogue No. 13 illustrating the Ideal Automatic Power Tamper and the Ideal Scraper and Finisher Attachment, made by them.

The book contains interesting facts concerning the practical and economical manufacture of concrete blocks and may be had on application.

COST DATA

Duncan M. Robertson, 156 Fifth avenue, expert on specification and data, has published a card of cost data, based on cubic foot of building contents, exclusive of scenic and other features. It contains practical and useful information and may be had for a two cent stamp.

VACUUM CLEANER COMPANIES COMBINE

The McCrum-Howell Co., of Forty-first street and Park avenue, New York, manufacturers of vacuum cleaners, announce that it has taken over the business of the Model Heating Company, Philadelphia and New York; the Cameron-Schroth-Cameron Company, Chicago; The American Air Cleaning Company, Milwaukee, Wis.; The Vacuum Cleaner Company, New York, and the Sanitary Devices Mfg. Co., San Francisco.

There will be no change in the policy of the company, but with all products manufactured in their own plants they will be able to give even better service than in the past.

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The material used, it is stated, is of the best metal throughout and long experience in this line enables them to produce a valve that meets every requisite test.

They desire to communicate with architects and will mail illustrated catalog on request.

FERRO-LITHIC PLATES

The Berger Mfg. Co., of Canton, Ohio, whose Ferro-Lithic plates, for use in concrete construction, were referred to in these columns some time ago, inform us that these plates are used to a large extent in the new freight station, H. T. Hawk, architect, that the Chicago & Rock Island Railroad is erecting at Kansas City. This Ferro-Lithic plate consists of dove-tailed cross-ribbed steel sheets which act both as form and reinforcement. The concrete is applied on the upper side, while a good plastering surface remains on the lower side.

A great saving in time, it is claimed, is secured by this construction, since no wooden forms are needed. It also saves the waste lumber inseparable from wooden forms.

It would seem that architects might find literature, which The Berger Mfg. Co. will gladly send upon request, interesting and profitable reading.

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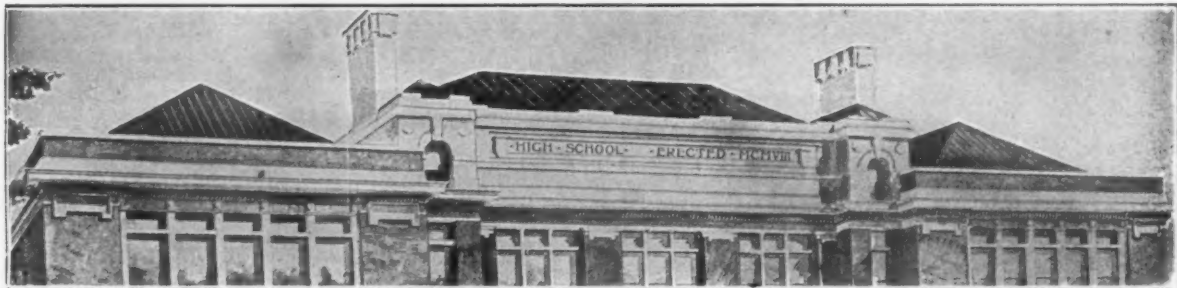
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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BESSEMER.—Methodist congregation will soon begin work on erection of edifice at Nineteenth St. and Arlington Ave.

BIRMINGHAM.—Smith Realty & Development Co. will erect warehouse on First Ave. Steve Smith, President.

BIRMINGHAM.—Architect Scott Joy is preparing plans for erection of \$30,000 residence for Judge Oscar Hundley.

TUSCALOOSA.—J. S. Fairriss will erect bored column plant. Site purchased.

ARKANSAS

PRESCOTT.—Scott Bros. have decided to erect two-story office building.

CALIFORNIA

CENTERVILLE.—Centerville Masonic Trustees will erect \$10,000 temple on Main St.

OROVILLE.—Company I is considering erection of armory.

LOS ANGELES.—C. C. Rittenhouse, 206 S. Spring St., has prepared plans for erection of three-story \$30,000 apartment house at Twenty-fourth and Scarff Sts.

LOS ANGELES.—Plans for erection of a large store and apartment building at corner of Moneta Ave. and Forty-first Place have just been completed by Matthews & Matthews, Financial Agents. Cost, \$20,000.

Plans will be prepared by city for erection of \$18,000 engine house at Washington and Arlington Sts.

LOS ANGELES.—William Garland will erect three-story \$55,000 brick building at 621 S. Spring St.

LOS ANGELES.—Council has appropriated \$20,000 to be used in erecting police sub-station in Boyle Heights and the Fire Department is planning to build an engine house in same district.

LOS ANGELES.—Trinity M. E. Church has decided to erect \$100,000 edifice at Ninth and Grand Sts. Webber & Smith, Homer Laughlin Bldg., architects. Rev. R. P. Howell, pastor.

OROVILLE.—Plans have been prepared for erection of proposed Angels' Flight Hotel. Ernest Crooks and Chas. Ward are interested.

REDLANDS.—Company G has received plans for new armory the company will erect at cost of \$17,000.

SAN FRANCISCO.—Board of Supervisors has accepted offer of Whitcomb Estate Co. to erect temporary city hall, cost \$450,000, on Market St.

SANTA CRUZ.—Bids will be received until 3 p. m., Dec. 5, by James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., for complete construction of post-office.

COLORADO

CANON CITY.—Local Elks are considering erection of \$30,000 club house at Macon Ave. and Fourth St.

COLORADO SPRINGS.—St. Paul M. E. Church will erect \$20,000 edifice at Nevada and Vermijo Aves. Rev. W. E. Bennet, pastor. T. P. Barber & Bro., Bank Bldg., architects.

DENVER.—Fire and Police Board will consider erection of three fire stations.

Plans are being prepared for erection of six-story brick addition to Y. M. C. A. at Eighteenth Ave. and Sherman St.

CONNECTICUT

BRIDGEPORT.—F. R. Garrett is planning to erect eight residences on Hanover St.

BRISTOL.—Yahnig & Cohoon, 77 North St., will erect factory on Terryville Ave.

MYSTIC.—Charity and Relief Lodge, F. & A. M., will erect proposed temple on Gravel St.

NEW BRITAIN.—Unkelbach & Perry have completed plans for club house for the Maple Hill Improvement Society, to be erected at Maple Hill.

NEW HAVEN.—Local masons have decided to erect temple. Chas. E. Rounds, Chairman Special Committee.

PLANTSVILLE.—Plant of H. D. Smith & Co., destroyed by fire, loss \$200,000, will be rebuilt.

WATERBURY.—Plans have been completed by Architect C. A. Tyler for new two tenement house on Oak St. for Peter Barber.

Architect C. A. Ketchen, Jr., is drawing plans for frame cottage on Watertown road for Henry Bario.

Architect C. Jerome Bailey, 63 Bank Bldg., has plans completed for three-tenement frame house on Bunker Hill road for Benton Cashman.

Plans have been completed by Architect F. J. Dixon for an addition to M. D. Russell's block at corner of South Main and Clay Sts.

DELAWARE

WILMINGTON.—St. Paul's M. E. Church has decided to erect proposed edifice on Jackson St.

DISTRICT OF COLUMBIA

WASHINGTON.—Municipal Architect Ashford has prepared plans for three additional school buildings.

Plans for the addition to the Calvary M. E. Church are now being revised by Harding & Upman, architects, 729 Fifteenth St. N. W.

WASHINGTON.—Board of Education is having plans prepared by Snowden Ashford, 1719 Riggs Pl., N. W., for erection of Normal School at 11th and Harvard Sts., N. W.; cost, including grounds, \$250,000.

FLORIDA

DAYTONA.—H. & L. J. S. Dohn will erect brick hotel at Palmetto and Orange Sts. in near future.

JACKSONVILLE.—Jack Bauman has prepared plans for erection of a handsome new apartment house at foot of Copeland St., in Riverside, for J. F. Ellenberg.

KEY WEST.—E. H. Gato will erect steel and concrete factory building.

LAKE LAND.—J. L. Tallevast, Hillsboro Hotel, Tampa, has had plans prepared for erection of \$60,000 hotel.

NEWBERRY.—Bids will be received by the Bank of Newberry and W. B. Camp, architect, until Nov. 20, for furnishing all materials and building brick and stone bank building.

ST. PETERSBURG.—Catholic Church is considering erection of \$5,000 church. Rev. M. A. Higgins, Tampa, is interested.

GEORGIA

ATLANTA.—Estimates on the price and specifications of the new schools planned by Board of Education are being secured.

AUGUSTA.—Commission of Public Works, Wingfield, will prepare plans for proposed city stockade.

MACON.—Southern Cotton Oil Co. and Atlanta Ice & Coal Co. will rebuild plants destroyed by fire.

MILLEDGEVILLE.—Large building will be erected at once on prison farm.

SAVANNAH.—Mowbray & Uffinger, 56 Liberty St., New York City, have prepared plans for erection of bank and office building for Savannah Trust Co.

TIFTON.—Bids will be received until Nov. 22 for erection of court house; plans by Falls City Construction Co., Louisville, Ky. M. Tucker, Chairman County Commissioners.

ILLINOIS

BELLEVIEW.—Committee composed of Frank Dietz and Henry Diller, of Lessing Lodge; H. R. Heimberger and George Glackmeier, of Garfield; and Messrs. Michaelis and Erlinger, of Cavalier Lodge, has been appointed to map out a plan of procedure for erection of Pythian Home.

CHICAGO.—Company, headed by Jas. O. Heyworth, will erect \$2,000,000 twenty-story building to include theater. C. A. Eckstrom, 131 LaSalle St., architect.

CHICAGO.—Architects Holabird & Roche, 1618 Monadnock Bldg., have prepared plans for erection of six-story building at 551 Wabash Ave. for Martin Ryerson.

CHICAGO.—Nathan Friend will erect store and manufacturing building at South Jefferson St. and School Place.

Murray Wolbach is considering erection of six-story mill

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constructed building at Indiana Ave. and E. Twenty-third St. Frank A. Hecht is having plans prepared for erection of seven-story \$350,000 building on Throop St.

Council 632, Knights of Columbus, will erect three-story brick lodge building at Sixty-second St. and Cottage Grove Ave.

Mandel Bros. have announced plans for erection of fifteen-story \$2,000,000 store building at State and Madison Sts. Holabird & Roche, 1618 Monadnock Bldg., architects.

GRANITE CITY.—Bids will be received by James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., until 3 p. m., Dec. 8, for complete construction of postoffice.

PARIS.—American Tobacco Co. will erect warehouses, cost \$40,000, near this city.

PEORIA.—Congregation Agudus Achim, Monson St., will erect church. Rabbi Jacob Klein, Pastor.

QUINCY.—Kurtz Machine Co., Seventh and Vermont Sts., will at once erect garage. Cost \$15,000.

WAUKEGAN.—Architect I. A. Worsfold, 3 Dodge Bldg., has prepared plans for erection of two fire stations.

INDIANA

LAPORTE.—Architect Walter Shattuck, 218 La Salle St., Chicago, has completed plans for erection of building for Boston Co-operative Co. Morris Levine, Michigan City, is interested.

LOGANSFORT.—School Board is considering erection of annex to high school.

MARION.—Samaritan Lodge of Masons will erect \$30,000 temple at Fifth and Boots Sts.

MICHIGAN CITY.—Samuel Grieger, 415 E. Eighth St., is considering erection of modern business block at Baltimore and Franklin Sts.

MUNCIE.—Industry United Brethren Church, Rev. C. H. Stratton, Pastor, is considering erection of church.

RICHMOND.—West Richmond Friends are considering erection of Memorial Church on Earlham Campus.

John A. Evans, 1225 Main St., will erect large building at Tenth and Main Sts.

IOWA

DES MOINES.—D. S. Chamberlain is planning to erect large business block on W. Locust St.

SIoux CITY.—Additions and remodeling to the building of Hornick, Hess & More, wholesale druggists on Pearl St., will be undertaken next spring that will involve expenditure of approximately \$30,000.

WATERLOO.—Contract will be let on Jan. 15 for erection of superstructure of proposed hospital for Franciscan Sisters. Cost, \$130,000; foundations completed. J. H. Tenney, Superintendent of Construction.

KANSAS

CONCORDIA.—Board of Education is considering erection of \$20,000 school.

PHILLIPSBURG.—County will vote on \$60,000 bonds to erect jail and court house.

KENTUCKY

COVINGTON.—Shattuck & Hussey, Archts., 143 La Salle St., Chicago, Ill., are preparing plans for \$75,000 Y. M. C. A. building, four stories high. E. Fogg, secretary.

LOUISVILLE.—William Reeser will erect two large apartment buildings to cost \$70,000 in Kensington Court.

LOUISVILLE.—J. J. Gaffney, 455 W. Jefferson St., is taking bids on three-story building to be built on Jefferson St. for B. Bernheim. Cost about \$50,000.

LOUISIANA

NEW ORLEANS.—Plans have been completed by Architect Geo. F. Hammond, 734 Euclid Ave., Cleveland, O., for erection of factory building on Carrollton Ave. for American Chiclé Co. W. H. Keighley, local manager.

NEW ORLEANS.—The Agudath Achim Ansher Sfard Synagogue is considering erection of building.

PATTERSON.—Citizens' State & Savings Bank has accepted plans for erection of brick building.

MAINE

BIDDEFORD.—Judge John Percy Deering is considering erection of four-story block on Main St.

ELLSWORTH.—Bids will be received by James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., until 3 p. m., Dec. 7, for extension of U. S. postoffice and custom house.

MARYLAND

BALTIMORE.—William F. Ludwig has accepted plans by John Boyer, architect, for \$5,000 frame cottage to be erected at Oakfield and Springfield Aves.

BALTIMORE.—Gas and Electric Co. will at once erect distribution shops and garage at Arlington.

BALTIMORE.—Plans for the extensive improvements, including erection of five-story warehouse, to be made by Dietrich Brothers at Davis and Pleasant Sts. are nearing completion, and work will start soon.

John J. Ulrich is having plans prepared for improvements to nine buildings at Carrollton Ave. and Hollins St. Work is to cost about \$5,000.

BALTIMORE.—Bethany English Lutheran Church congregation has accepted plans by G. B. Lohmuller, architect, for \$5,000 one-story frame and stucco church building at the corner of Lakewood Ave. and Madison St.

Judson C. Carroll is having plans made by Edward L. Palmer, architect, for residence to be erected at Roland Park, to cost about \$10,000.

Dr. A. S. Warner is contemplating erection of apartment house at 320 and 322 South Highland Ave., Highlandtown, to cost about \$10,000.

BALTIMORE.—A. Schumann & Co., are considering erection of four-story brick warehouse at 325 W. Pratt St. Wm. A. Foreman is making competitive sketch.

Wyett & Nolting, Keyser Bldg., have been selected to prepare plans for erection of warehouse at 4 West German St. for Franklin P. Cator.

BALTIMORE.—Plans for the new building to be erected in connection with the improvements to be made at the Maryland Training School for the Feeble-Minded, at Owings Mills, will soon be ready for bids. Ellicott & Emmert, Union Trust Bldg., architects. Improvements are to cost about \$150,000. C. L. Reeder, supervising engineer.

BAYNESVILLE.—Arnolia M. E. Church will soon erect edifice.

FEDERALSBURG.—Bids have been invited for erection of postoffice. Jas. K. Taylor, supervising architect, Treasury Department, Washington, D. C.

HAGERSTOWN.—Bids for erection of the new Washington County Hospital will be received by Architect J. H. Ritchie on Nov. 15.

SALISBURY.—Bell Telephone Co. has purchased site on Church St. for erection of \$20,000 home.

MASSACHUSETTS

ATTLEBORO.—Proposals will be received by the County Commissioners of the County of Bristol, Taunton, for the building of a court house for the Fourth District Court. Brigham, Coveney & Bisbee, 184 Boylston St., Boston, architects; Frank M. Chace, Chairman County Commissioners.

BOSTON.—Ten apartment houses will be erected at 27 and 29 Garden St., West End, for Julius Krinsky, from plans by F. A. Norcross, 46 Cornhill St.

BOSTON.—City has purchased site at Parker St. and Fisher Ave., Roxbury, for erection of school.

BOSTON.—Five-story apartment house of brick and stone, to contain nine apartments, at 61 Mt. Vernon St., Beacon Hill, will be erected for Max Shoolman from plans by Hurd & Gore, 8 Beacon St. Cost about \$65,000.

Edison Electric Illuminating Company will build two houses, 2½ stories each, on Linden St., Allston, from plans by Bigelow & Wadsworth. Cost \$16,000 each.

Brick and stone apartment house to be erected at 25 Peterboro St., Back Bay, for Abraham Kantor et al., will be five stories high and will cost \$60,000. Plans by F. A. Norcross, 46 Cornhill St.

EASTHAMPTON.—School Committee is considering erection of school on Holyoke St.

FRANKLIN.—Harry Bullukian is planning to erect large building in Spring.

INDIAN ORCHARD.—Michael H. Lyons will erect vaudeville theater at Oak and Main Sts.

NORTHAMPTON.—Clarke School has accepted plans by A. Lincoln Fehheimer, Andrews Bldg., Cincinnati, for erection of \$50,000 school.

PITTSFIELD.—Mohegan Tribe of Red Men is considering erection of home on Pearl St.

REVERE.—An \$85,000 school building will be erected in Malden St., from plans by Edward S. Wilson.

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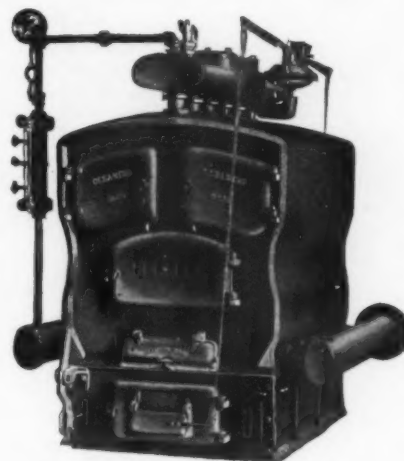
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SALEM.—Trustees of Salem Public Library, have decided to build addition to main building in Essex St.; also to build branch library building at corner of Ocean Ave. and Lafayette St., South Salem.

SOMERVILLE.—Dr. A. Waldo Forbush will at once erect summer residence on Metropolitan Boulevard, at Atlantic-by-the-Sea.

SOMERVILLE.—Plans for a three-apartment house to be erected in Pearson Ave., have been drawn for J. L. Malcolm. Building will be constructed of wood and will cost \$6,000.

SOUTHBRIDGE.—Litchfield Shuttle Co. will build new plant next spring in Shuttleville. Plans are completed for building of two new storehouses and a garage to be erected this fall.

MICHIGAN

DETROIT.—Architect C. Howard Crane is completing design of two-family flat for B. St. John on Farnsworth St.

DETROIT.—Day Automobile Co. has been incorporated and will erect factory. C. F. Roberts, 347 Woodward Ave., secretary.

Arthur Colton & Co., Detroit Gas Co. Bldg., will erect machine shop at Jefferson Ave. and Chene St.

DETROIT.—R. H. Marr, Ford Bldg., will receive estimates about Dec. 1, on \$100,000 eight-story and basement store and office building to be erected at Gratiot and Farrar Sts., for the Kiefer Land Co.

GRAND RAPIDS.—Premier Motor Co., Indianapolis, will erect garage on North Division St. Otto Kootz, manager.

IRONWOOD.—Roach and Seeber Co. will erect cement block building on McLeod Ave.

KALAMAZOO.—Christian Reformed Church is considering erection of edifice at Park and Vine Sts.

OWOSSO.—St. John's Mission, of Durand, is planning to build church. Cost, about \$15,000.

SAGINAW.—Frank Wolfarth, Geo. Strable and J. J. Feldman have secured plans from C. L. Cowles, Chase Block, Architect, for construction of summer cottages next spring at Linwood Beach.

STURGIS.—Erection of \$60,000 school is being considered.

MINNESOTA

BRAINERD.—Dr. J. L. Camp, of Advisory Board of State Sanatorium for Consumptives, is planning additional hospital.

DULUTH.—Library Board will purchase site in West Duluth for erection of \$20,000 Carnegie Library Building.

DULUTH.—Ribbenack Bros. have had plans prepared for erection of four-story \$30,000 hotel on Superior St. Kelly & Lignell, 700 Lonsdale Bldg., architects.

Plans for building to be erected for L. S. Loeb at corner of Lake Ave. and Superior St., are being prepared by J. J. Wangenstein, 401 Providence Bldg.

Radcliffe & Price, Palladio Bldg., are preparing plans for modern four-family flat building to be erected for Gilbert and Neil Patterson on Superior St.

SPOONER.—Architect B. D. Keck is preparing plans for combined church and parsonage for M. E. church congregation.

ST. PAUL.—Tentative plans are being considered for erection of proposed central police station.

ST. PAUL.—Fidelity Storage & Warehouse Co. is interested in proposed erection of \$100,000 warehouse at Third and Franklin Sts.

ST. PAUL.—Dr. Arthur Sweeney and Dr. Haldor Sneve, St. Paul, and Dr. W. A. Jones, Minneapolis, have asked council for permission to erect \$100,000 sanatorium for treatment of nervous diseases.

MISSOURI

EXCELSIOR SPRINGS.—Owners of New Elms Hotel, destroyed by fire, will rebuild at once. Cost, about \$200,000.

ST. LOUIS.—Architect Chas. F. May, Laclede Bldg., is preparing plans for erection of \$7,000 residence.

ST. LOUIS.—Board of Education is having plans prepared by Wm. B. Ittner, 911 Locust St., for erection of \$160,000 Harney Heights school building. Hans C. Toensfeldt, Commissioner of School Buildings.

NEBRASKA

OMAHA.—United States National Bank will begin work Jan. 1 on erection of twenty-story building at the corner of Farnam and Sixteenth Sts.

NEW JERSEY

ATLANTIC CITY.—Delaney Co., lessees of Hotel Dunlop, will erect 200-room addition. Frank Bowman, manager.

COLLINGSWOOD.—Architect George E. Savage, Provident Bldg., Philadelphia, is designing \$40,000 church and Sunday School building for First Baptist congregation.

GLEN RIDGE.—The Board of Education has announced competition plans for six-room school building with an assembly hall. Cost not to exceed \$30,000. Address H. Crittenden Harris, House Committee.

HIGH BRIDGE.—Central Railroad Company will erect \$20,000 passenger station.

HOBOKEN.—From plans prepared by Architect Philip Brummerhop, 118 Park Ave., \$70,000 office building will be erected on corner of Bloomfield and Newark Sts. for Hoboken Printing & Publishing Co.

JERSEY CITY.—Board of School Estimates is considering following appropriations: For enlargement and improvement of School No. 28, on Hancock Ave., \$60,000; erection of new School No. 34, Boulevard and Warner Ave., \$76,000; erection of new School No. 35, Sip and Whitman Aves., \$75,000.

JERSEY CITY.—Bids will be received by Board of Education, Nov. 22, 9 p. m., for erection of Technical and Industrial High School. John T. Rowland, Jr., 15 Exchange Place, Supervising Architect. G. Fred Ege, secretary.

JERSEY CITY.—Sophie Cohen, of Bayonne, will erect five two-family houses on Randolph Ave., from plans made by Architect Nathan Welitoff. Cost \$22,000.

From plans as prepared by Architect George A. Flagg, Jersey City Trust Bldg., two-family residence, cost \$6,000 will be erected on Van Reyden St., for Frank L. Bradbury, 531 Newark Ave.

MONTCLAIR.—Christian Union Congregational Church, Upper Montclair, is considering erection of \$32,000 addition.

MONTCLAIR.—Cedar Avenue Presbyterian congregation is planning erection of stone church.

NEWARK.—Imperial Laundry Co. has commissioned Richard W. Erler, 45 Clinton St., to design \$8,000 brick laundry at Fourteenth and Gould Aves.

NEWARK.—Plans have been completed by Hyman Rosensohn for four-story \$16,000 brick store and apartment building, which Otto J. Aaron will soon erect at 96 Belleville Ave.

Kaltenbach & Stephens are to build \$48,000 brick warehouse at 244-256 Sherman Ave. after plans by Maynard Klement.

Brick dwelling for fourteen families and stores is to be built on corner of Third Ave. and Fifth St. by Peter Trevisani, after plans by Del Guercio & Gonnelli. Cost, about \$20,000.

PENN GROVE.—Robeson Lea Perot, architect, Bailey Bldg., Philadelphia, has completed drawings and specifications for extensive alterations and additions to First National Bank.

PLAINFIELD.—Morris Abrams, West Front St., will prepare plans at once to erect business building on same street.

RAHWAY.—Plans and specifications have been prepared for erection of parsonage for First Methodist Church.

RED BANK.—J. H. Freedlander, 244 Fifth Ave., New York, has prepared plans for \$40,000 terra cotta block and marble residence for Andrew Freedman, 52 William St., New York City.

TRENTON.—Louis Cohen will erect hotel and theater at Union and Market Sts.

NEW MEXICO

TUCUMCARI.—All bids on plans for proposed Vorenberg hotel have been rejected as too excessive, and new bids have been called for. Building proposed is to be of the mission style and to cost in the neighborhood of \$30,000.

NEW YORK

BAY SHORE, L. I.—Firemen are considering erection of headquarters on Main St. C. W. Ackerly, Chief.

BUFFALO.—Henry E. Lynd, Westinghouse Electric & Manufacturing Co. and Frank O. Johnston will erect residences this fall.

LONG ISLAND CITY.—Lozier Motor Co. will erect large building at Thompson Ave. and Hulst St.

MOUNT VERNON.—Erection of fire house on Fifth Ave. is being considered. Plans prepared.

NEW YORK.—William Flanagan, Architect for the Department of Correction, has filed plans for building two extensions to three-story Children's Hospital and School on Randall's Island, opposite E. 118th St., at a total cost of \$40,000.

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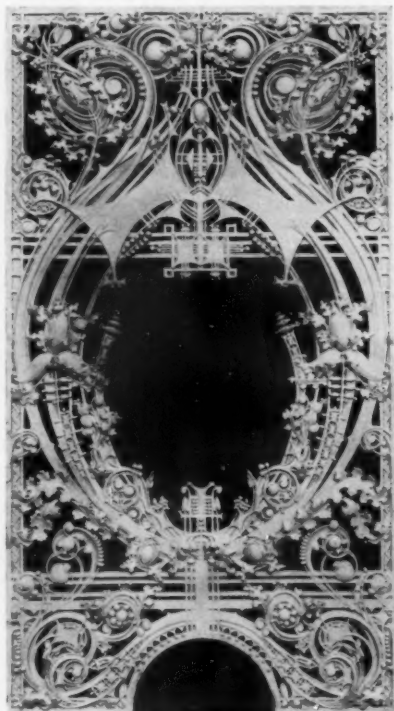
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NEW YORK—CHICAGO—LOS ANGELES

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NEW YORK.—Julius Realty Co., 200 Broadway, will erect four-story factory on Division St. Cost, \$10,000. Hemmerfeld & Steckler, 19 Union Square, architects.

Chanler heirs will erect four-story store building at Sixth Ave. and Eighteenth St. Cost, \$125,000. Buchanan & Fox, 11 E. Fifty-ninth St., Architects.

Edward S. Murphy will erect six-story flat building with store, cost \$18,000, on Ninety-seventh St. Charles B. Meyers, 1 Union Square West, Architect.

Moore Bros. will erect \$20,000 storage building and stable at Eleventh Ave. and Twenty-fourth St. F. T. MacDonald, 41 W. Thirty-third St., Architect.

L. & S. Construction Co., Morris Silberman, President, will erect six-story \$30,000 flat on Washington Ave. Charles M. Straub, 147 Fourth Ave., Architect.

Three three-story brick dwellings with garage will be erected on Crotona Park North for Harris Ratner. Cost, \$25,000. Goldner & Goldberg, 704 Jackson Ave., Architect.

M. J. Cleary will erect \$5,500 frame dwelling on 228th St. George P. Crosier, 223d St. and White Plains Ave., Architect.

G. Gallena & Son, 2078 Prospect Ave., will erect \$15,000 brick store, dwelling and hall on 180th St. M. W. Del Gaudio, 401 Tremont Ave., architect.

NEW YORK.—Golde & Cohen, 198 Broadway, will erect \$7,000 brick store and dwelling on 179th St. Chas. B. Meyers, 1 Union Square West, architect.

Gruenstein & Mayer, 230 Grand St., will erect \$6,000 brick store and dwelling on 145th St. C. B. Meyers, architect.

Fourth Ave. Presbyterian Church is considering erection of \$600,000 edifice at Broadway and W. 104th St.

NEW YORK.—Plans have been filed for the five-story brick fireproof automobile garage which Charles A. Miller will build on Sixty-eighth St. Cost, \$44,000. George H. Griebel, 2255 Broadway, Architect.

NEW YORK.—Contract for alterations, additions and repairs to building, No. 245 W. Forty-second St. Messrs. Lehman Bros., owners, has been awarded to Wm. Higginson, No. 1123 Broadway. Gillespie & Carrell, architects, No. 1123 Broadway; alterations will be made similar to those being made on premises No. 249 W. Forty-second St.

W. G. Langdon, 719 Fifth Ave., will erect six-story brick lofts and store on Fifth Ave., near Fifty-sixth St. Trowbridge & Livingston, 527 Fifth Ave., architects.

Winston Holding Co., 820 Broadway, will erect nine-story \$250,000 apartment house on Cathedral Parkway. Gronenberg & Leuchtag, 7 W. Twenty-second St., Architect.

Lexington Ave. Co., 129 E. Nineteenth St., will erect \$300,000 twelve-story brick apartment house on Lexington Ave. H. Lucas, 129 E. Nineteenth St., Architect.

Golde & Cohen, 198 Broadway, will erect two one-story stores and dwellings, cost \$16,000, on Washington Ave. C. B. Meyers, 1 Union Square West, Architect.

B. Kileh, 2211 Westchester Ave., will erect \$6,000 dwelling on St. Lawrence Ave. B. Ebeling, 1136 Walker Ave., Architect.

NEW YORK.—Josephine Perini, 1136 Walker Ave., will erect \$5,500 dwelling on Leland Ave. B. Ebeling, same address, architect.

V. La Porta, 586 Morris Ave., will erect three brick stores and dwelling. Cost \$35,000, on 150th St. L. C. Maurer, 1493 Broadway, architect.

Hannah McGrath, 1479 Crotona Ave., will erect \$5,000 brick store and amusement hall on Bathgate Ave. L. Howard, 1861 Carter Ave., architect.

OSWEGO.—Bids will be received by Department of Education until noon, Nov. 14, for erection of proposed Second Ward School.

ROCHESTER.—Associated Jewish Societies are considering erection of Home for the Aged on Joiner St. J. W. Allen, Chairman Building Committee.

SARANAC LAKE.—School district has decided to erect new school house.

SCHENECTADY.—County Commissioners will purchase site for erection of jail.

Architect C. G. Van Rensselaer has submitted plans for grade school which is to be erected in Baker Ave.

TROY.—Competitive plans will be received until 5 p. m., Dec. 1, for erection of jail, work house and quarters for Sheriff in Rensselaer County. R. H. Palmer, 519 Frear Bldg., Clerk Board of Commissioners.

YONKERS.—Building Committee of Elks is perfecting plans for proposed \$65,000 home to be erected on South Broadway.

OHIO

CINCINNATI.—Erection of \$1,000,000 auditorium is being considered. E. V. Wilbern, President Hotel Managers' Association, is interested.

CINCINNATI.—Sechler & Co. are considering erection of addition to factory on Culvert St.

CINCINNATI.—Hanselmann Blue Lodge Masons have purchased building on Clinton Ave. and will erect annex.

CINCINNATI.—The Harkness-Cowing Co. has leased the premises at 513-519 Eggleston Ave., and will expend \$60,000 in improvements.

COLUMBUS.—Architect J. A. Jones, Despatch Annex, is drawing plans for eight-room brick residence to be built on East Lane Ave., for Joseph Dury. Plans will be ready shortly.

Architects Stribling & Lum, 85 North High St., are drawing plans for store building to be erected at Hickory and Fourth Sts., for D. E. Putnam.

GIRARD.—Girard Mercantile Co. will erect brick block on Liberty St. S. K. Hine is interested.

GIRARD.—Trumbull County will vote on \$50,000 bonds to erect jail.

MAUMEE.—Work will soon begin on erection of combined city hall. Sidney E. Aftel, Ohio Bldg., Toledo, architect.

SHARON.—Erie Railroad will erect \$25,000 freight depot on Dock St. L. P. Baker, Youngstown, Division Engineer.

SPRINGFIELD.—Central M. E. Church has raised \$50,000 for erection of edifice.

STEBUNVILLE.—Council has passed ordinance for erection of market house over veto of Mayor T. W. Porter.

TOLEDO.—Trustees of German and English Martin Luther Evangelical Lutheran Church are considering erection of addition.

WILMINGTON.—Architects Howard & Merriam, Capitol Trust Bldg., Columbus, will take bids until Nov. 22 for erection of a semi-fireproof school building.

OKLAHOMA

EL RENO.—Plans and specifications have been drawn for over \$15,000 worth of new buildings at Cheyenne and Arapaho Agency.

ENID.—Plans have been prepared by Santa Fe Railroad for erection of \$30,000 passenger and freight depot.

OKLAHOMA CITY.—County Commissioners are considering erection of school in Packtown. Geo. W. Carrico, chairman.

OREGON

COTTAGE GROVE.—R. H. Parsons, President of Commercial Club and J. D. Buell, Eugene, will erect two-story business block early in spring.

PORTLAND.—Thomas G. Garland will at once erect apartment house at Twentieth and Washington Sts. Williams & Rasmussen, Architects.

G. W. Priest will erect number of residences on Hancock and other streets in Rossmere.

PORTLAND.—Ignatz Lowengart will erect modern building on Fourteenth St.

PORTLAND.—Dr. Housman is having plans prepared for erection of \$35,000 apartment house on Hoyt St.

PORTLAND.—Multnomah Camp No. 77, Woodmen of the World is interested in proposed erection of State Home for the Aged.

PENNSYLVANIA

CARBONDALE.—Bids will be received until 3 p. m., Dec. 8, for erection of proposed postoffice. Jas. Knox Taylor, Washington, D. C., Supervising Architect, Treasury Department.

FORT WASHINGTON.—C. E. Schermerhorn and Watson K. Phillips, Associate Architects, 430 Walnut St., Philadelphia, have completed drawings and specifications for Twin house to be erected for George R. Wallace; local contractors will be invited by owners to submit bids.

HARRISBURG.—School Board is considering erection of two schools on Allison Hill.

MAHOGANY CITY.—Architects Ballinger & Perot, 1211 Arch St., Philadelphia, have prepared plans for erection of bank building for First National Bank.

MONESSEN.—For the purpose of making extensive additions and improvements to its local plant, plans for which are in the hands of architect, appropriation of \$5,000,000 has been authorized by Pittsburgh Steel Co.



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NANTICOKE.—Council is considering erection of jail in rear of new city building.

PHILADELPHIA.—Kersker & Nicholson have completed plans for three-story stone residence at Lansdowne for W. R. Smith.

PHILADELPHIA.—Architects Maginzer & Potter, 137 South Fifth St., have completed plans for erection of proposed \$50,000 Hebrew Free School at 314 Catharine St.

PHILADELPHIA.—Locomobile Co. of America will erect five-story \$100,000 concrete garage at 2314 Market St.

PHILADELPHIA.—Young Women's Christian Association has invited competition from Architects Maginzer & Potter, 137 S. Fifth St.; Alexander Adams, 1012 Walnut St., and Paul A. Davis & Brother, 1600 Chestnut St., for drawing of plans for building for women to be erected at Hancock St. and Allegheny Ave.

Architect J. F. Bradley, Hale Bldg., has completed plans for seventy-five dwellings and three stores which Frank H. Benham will erect on Larchwood and Addison Sts.

Architects Snyder & Bassett are designing two three-story residences at Carpenter Station for Mrs. Mary Stewart.

PITTSBURG.—A \$40,000 brick building will be constructed on Fifth Ave., Homestead, from plans by F. C. Sauer, 804 Penn Ave. Building will be owned by the Naroda Slavenska Association of Homestead.

Thomas McCaffrey, Lawrenceville broker, will have four brick houses, costing \$10,000, erected on Bishop St., from plans made by A. K. Miller, Penn Bldg.

John Dewar, 435 Penn Ave., will have \$15,000 residence built at Starr and Lincoln Aves, Bellevue, from plans by J. L. Beatty, Sixth St. and Penn Ave.

John C. Bragdon will erect \$15,000 dwelling of bungalow design on Three Degree Road, Keown Station. Cost, \$15,000. S. F. Heckert, Stevenson Bldg., Architect.

PITTSBURG.—Pittsburg Tool Co., Robinson St., Northside, will erect large plant at Union and Braznell Sts., Braddock.

PITTSBURG.—Geo. H. Soffel Co. will erect five-story brick factory and office building on Forbes St.

PITTSBURG.—Immaculate Conception Church, Father Colligan, pastor, will erect church and school at Luzerne Ave. and Fremont St.

PLAINS.—Architects Ballinger & Perot, 1211 Arch St., Philadelphia, have completed plans for three-story parochial school for the Sacred Heart Church.

SCRANTON.—Plans for the West Scranton Italian Presbyterian Mission chapel to be erected on North Ninth Ave. are being prepared by Architects Snyder and Ward.

WILKES-BARRE.—School Board has accepted plans by Architect Owen McGlynn, Simon Long Bldg., for erection of school on Stark St., Firwood.

WILKES-BARRE.—Architect W. N. Smith, 20 W. Thirty-third St., New York City, has prepared plans for erection of \$40,000 residence in this city.

SOUTH CAROLINA

BENNETTSVILLE.—School Trustees have rejected all bids for erection of \$20,000 school. Sayre & Baldwin, Anderson, architects.

COLUMBIA.—Commission for State Hospital for Insane has purchased site for erection of proposed hospital. Dr. J. W. Babcock, Superintendent.

TENNESSEE

NASHVILLE.—C. K. Colley, architect, Chamber of Commerce Bldg., has drawn the plans for apartment building, to cost \$35,000, which Dr. O. H. Wilson will soon erect at Seventeenth Ave. and Hyes St.

TEXAS

ARANSAS PASS.—Commercial Club is interested in erection of three-story \$40,000 hotel.

CALVERT.—City hall has been destroyed by fire; loss \$50,000.

CORPUS CHRISTI.—Methodist Church is preparing to erect \$40,000 edifice.

DEL RIO.—College Heights Addition Co. has had plans prepared for erection of \$8,000 brick building on Greenwood St.

FORT WORTH.—Bids will be received until 4 p. m., Nov. 17 by Trustees of Texas Christian University for erection of three reinforced concrete and brick buildings. Waller & Field, architects.

HOUSTON.—Plans have been prepared for erection of eight-

story \$90,000 flat building at Main and Pease Sts. for E. C. Lamb and S. E. McAshan.

HOUSTON.—Krupp & Tuffly are considering erection of six-story building at Main and Prairie Sts.; idea of three-story building abandoned.

MARSHALL.—Bids will be received until 6 p. m. Nov. 19 for erection of brick and wood school. Waller & Field, Fort Worth and C. G. Lancaster, City, Associate Architects. S. E. Woods, Secretary School Board.

PLAINVIEW.—Work will soon begin on erection of \$10,000 city hall.

POST CITY.—First National Bank will erect two-story \$40,000 building.

SAN ANTONIO.—R. T. Pruitt will construct a cold storage plant, cost about \$25,000, and a warehouse, cost \$16,000 at Medina and San Luis Sts.

UTAH

BRIGHAM CITY.—Ogden Rapid Transit Co. will erect car barn; also houses for employees of road.

SALT LAKE CITY.—Plans by Ware and Treganza, Utah Savings Bank, have been accepted for erection of \$25,000 building on East South Temple St., for Ladies' Literary Club.

SALT LAKE CITY.—Bids will be received until 10 a. m., Nov. 21, for erection of infirmary-hospital building for Salt Lake county. J. A. Headlund, 523 Dooley Bldg., architect. M. Z. Witcher, County Clerk.

WASHINGTON

BALLARD.—Architect J. B. Jonson, has completed drawings for two-story \$7,000 frame store and flat building to be erected in business section.

EVERETT.—Moose Lodge has ordered plans prepared for erection of home.

REPUBLIC.—J. E. Gantenbein is considering erection of number of buildings.

SOUTH BEND.—New bids on revised plans will be received for erection of proposed home for South Bend Chamber of Commerce.

SPOKANE.—D. W. Twohy, F. T. Post, Phil Barr and F. McCollough, all of Spokane Country Club, will erect residences next spring.

Chamber of Commerce is considering erection of \$350,000 home on Riverside Ave.

SPOKANE.—George H. Day will erect \$12,000 residence in near future at Highland and Rockwood Boulevards.

Dr. G. W. Roberts is planning to erect \$20,000 brick business building on Riverside Ave.

Three-story brick building, cost about \$35,000, is soon to be built by L. R. Schaefer on Third Ave.

SPOKANE.—John Meffler will erect \$15,000 residence in Riverton addition next spring.

TACOMA.—Plans have been completed for erection of \$60,000 temple for Tacoma Labor Unions.

WEST VIRGINIA

MARTINSBURG.—Architects Harding & Upman, 729 Fifteenth St., N. W., are preparing plans for erection of residences for Stuart Walker and Frank J. Trammell.

WHEELING.—George and Charles Craft will erect summer resort at Point Mills.

WISCONSIN

BELOIT.—Wisconsin Telephone Co. has purchased site on East Grand Ave. for erection of building.

EAU CLAIRE.—Company E, National Guard, is planning to erect armory.

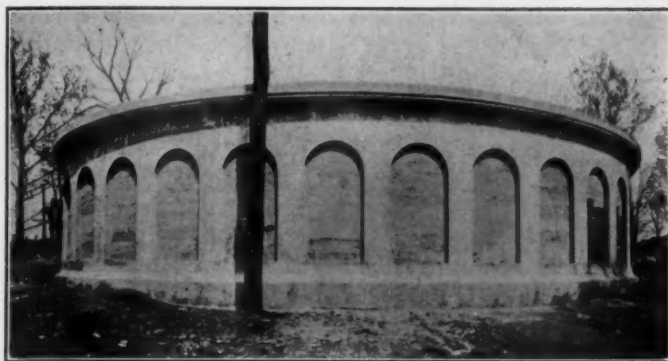
JANESVILLE.—Janesville Traction Co. will erect car barns at cost of \$10,000.

MILWAUKEE.—Atlas Amusement Co. will erect two theaters, to cost about \$35,000 each. T. H. Cochrane, Portage, and Aitkens & Crawford, St. Louis, compose company.

MILWAUKEE.—The Chicago, Milwaukee & St. Paul road will soon prepare for building \$2,000,000 new railway station.

WAUSAU.—Wisconsin Union of the American Society of Equity has appointed committee to investigate advisability of establishing \$250,000 state packing plant to be run on a co-operative plan.

WAUSAU.—Architect Anton Dohmen, Metropolitan Block, Milwaukee, has prepared plans for church building for St. James Catholic congregation.



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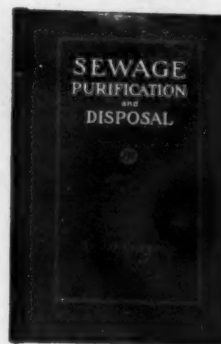
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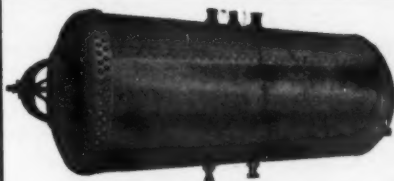
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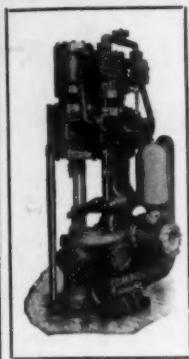
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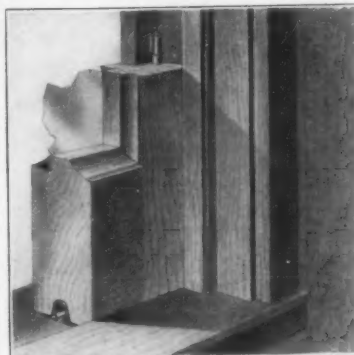
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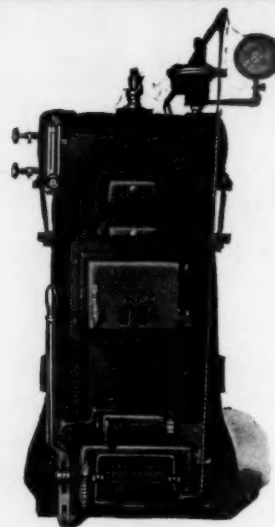


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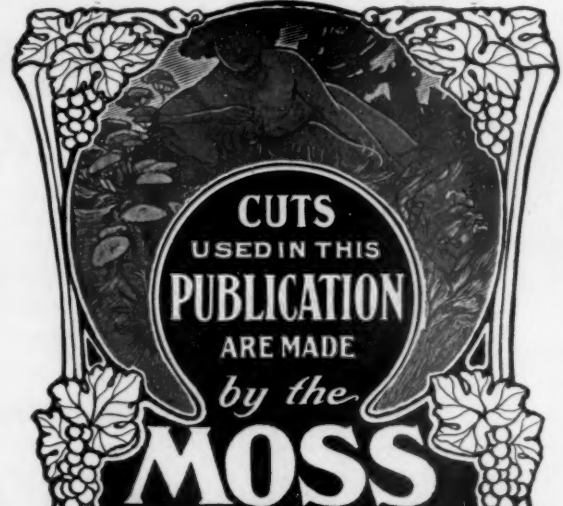
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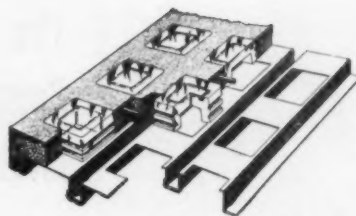
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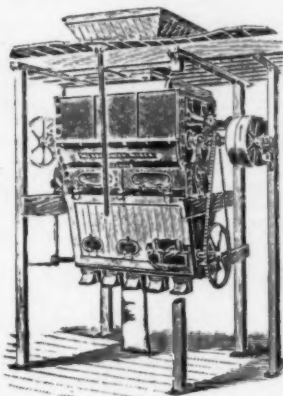
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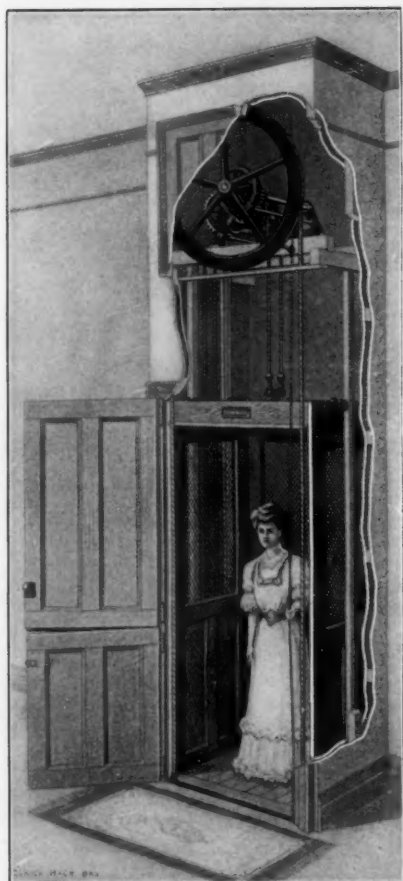
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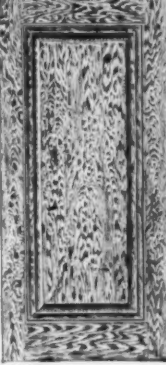
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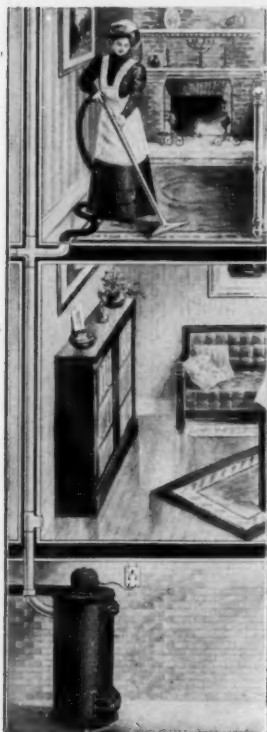
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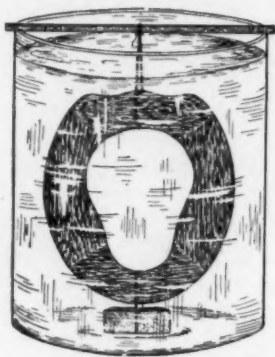
Built in all sizes for all kinds of buildings from the most modest residence to the largest public institution.

Our engineering department is at your service. We shall be glad to give you complete information and furnish you with air-cleaning specifications, tables, etc., showing the reduction or loss of power caused by friction in different sized pipes, etc.

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The wood is perfectly seasoned kiln-dried stock, tongued, grooved and glued. The joints are re-enforced with steel

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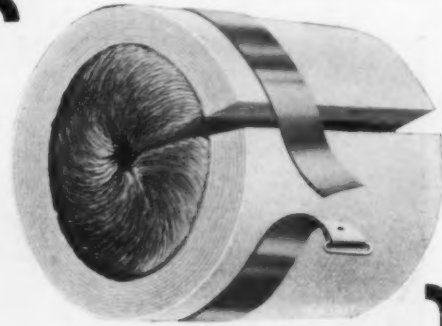


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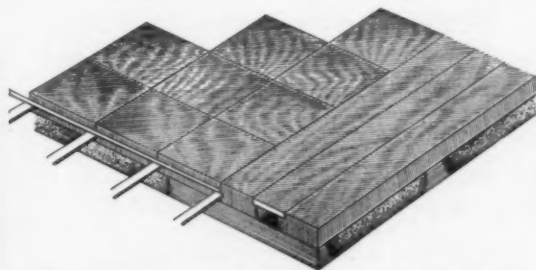
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FOR FIREPROOF BUILDINGS

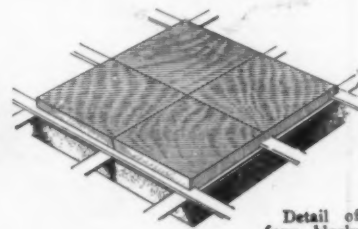
No big beams are inserted in the concrete. No sticking of blocks to concrete and tearing loose with change of season. The floor lies solidly of its own weight. In case of swelling, owing to dampness, or even flooding with water, the floor swells as a whole and takes up the compression space in the border. If the floor shrinks again after such an accident the blocks shrink individually and the shrinkage is divided up so many times that no cracks are seen. In extreme cases the entire floor can be keyed up from the compression spaces.



Showing two border and wall strips with bridge over compression space and short dovetailed pieces of wood to which border strips are lightly nailed.



Detail of 4" quartered white oak block.



Detail of four blocks showing steel weave.

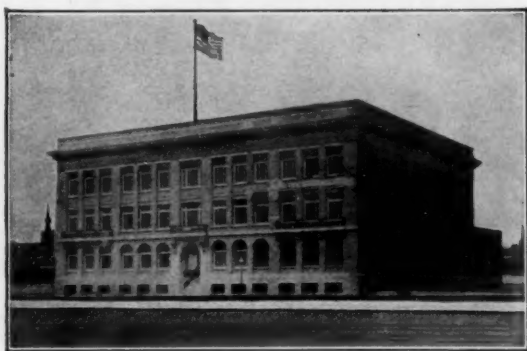
The floor in the Baltimore Bar Library was flooded for forty-eight hours during the great fire, and is now as good as ever. The floor in St. Luke's Hospital has stood the test of years. Several carloads laid in New York Custom House.

We manufacture parquetry and ornamental hardwood flooring of imported and domestic woods, making a specialty of working to architects designs. We have our own timber, saw mills, dry kilns and factories, and control every step of its manufacture.

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Over 50 Plate 393 Maxco
Seat-operating Closets
Installed in this one
school.

Over 250 Maxco Closets
in San Francisco Schools.

Thousands in use through-
out the U. S.



PLATE 393

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Doesn't it seem a great pity to erect modern schools, factories, hotels, hospitals, etc., etc., and not equip every toilet room with closets that are automatically kept perfectly clean and wholesome?

We all know that sickness is caused, diseases are contracted, yes—and sometimes lives are sacrificed, through the use of THE WRONG KIND OF CLOSETS in public toilets.

That is why Maxco seat-operating closets are bound to appeal very strongly to your intuitive professional knowledge, because specifying Maxco closets means cleanliness in the toilets of every building you design.

Every Architect who is specifying Maxco Automatic Closets is—and will always continue to be—our friend.

It took us over ten years to perfect these closets, and having made a special study of this one subject, we are entitled to say this to you:—Don't think that you KNOW how MAXCO seat-action closets operate until you have investigated. Don't allow your present knowledge or past experience to lead you to ANY conclusion until you have SEEN MAXCO CLOSETS IN ACTUAL OPERATION, PREFERABLY IN ACTUAL SERVICE.

Possibly you read our "ad" last week and fully intended to drop us a postal for our catalog "H". Why not take a minute to do it now?

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Potteries Company**

Make sanitation a science. Study
its requirements and make ware
to conform with the latest ideas.

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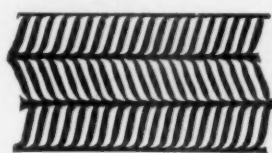
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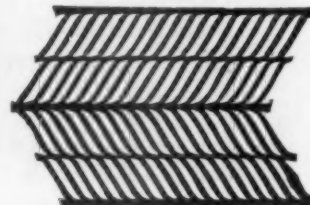
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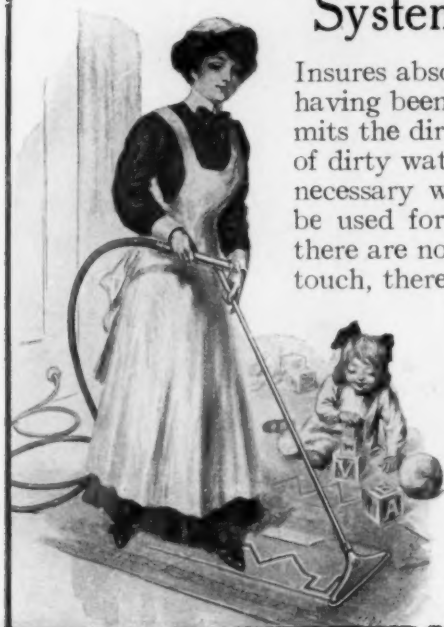
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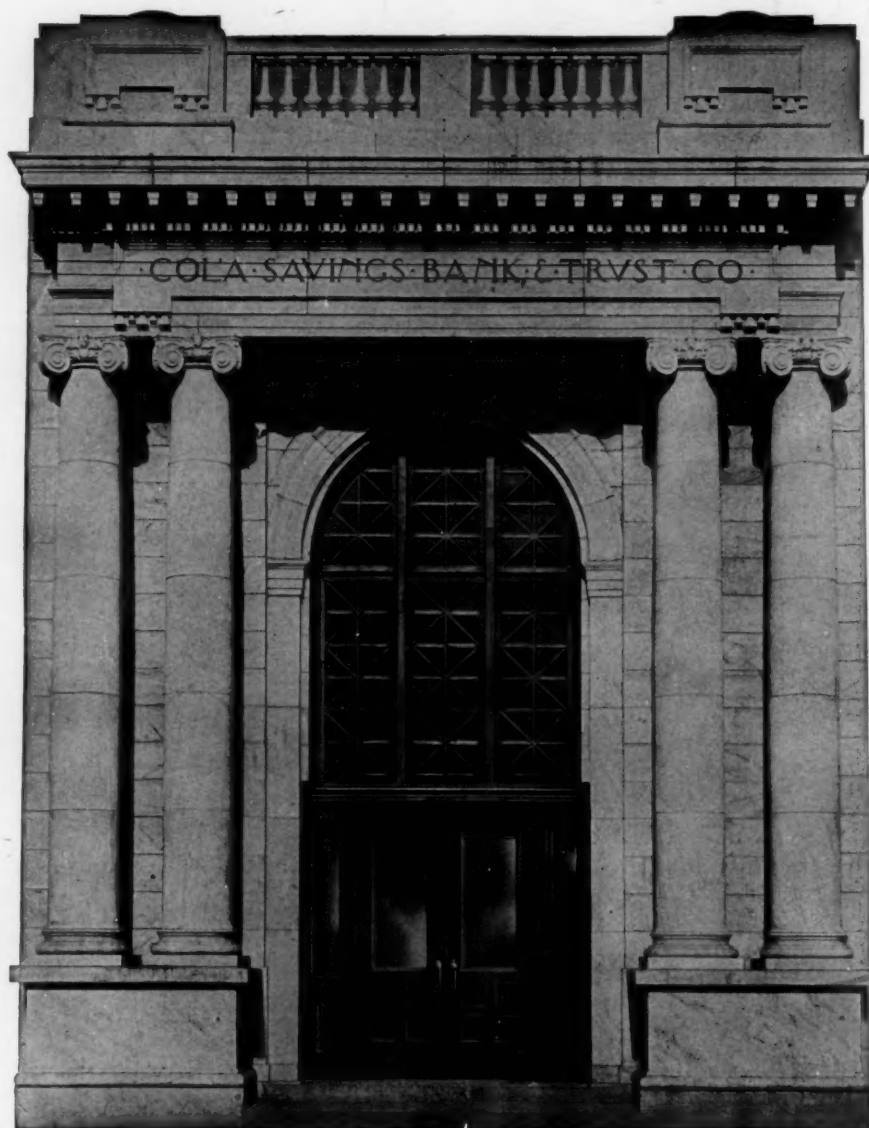
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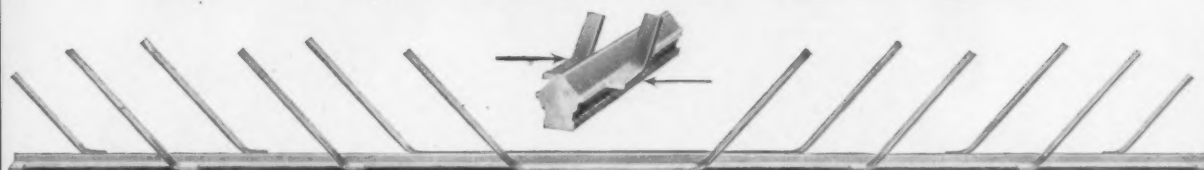
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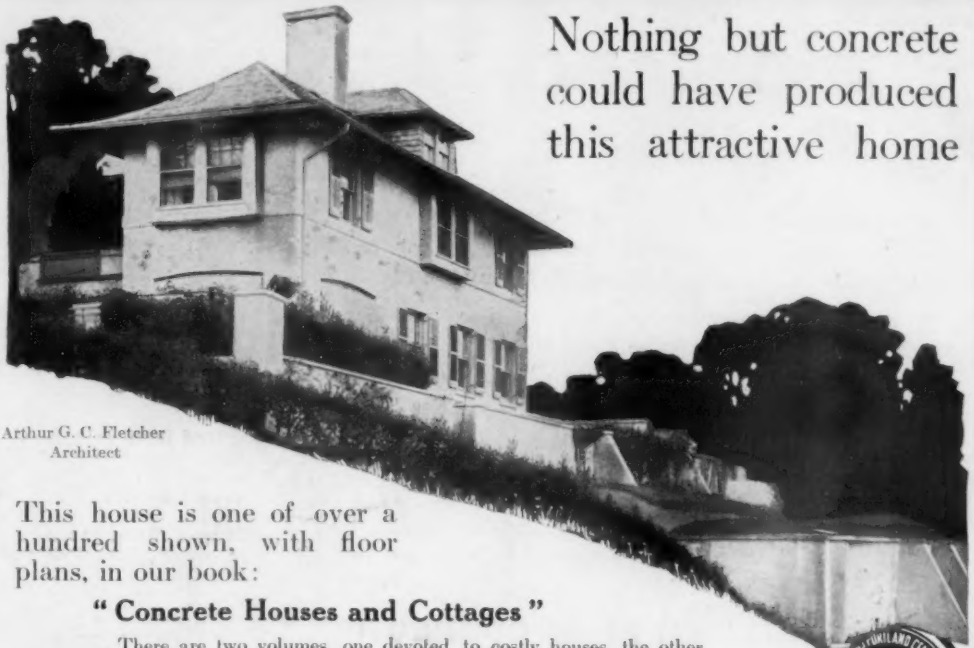
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CURRENT NEWS *and* COMMENT

ARCHITECTS ASKED TO DESIGN GOVERNMENT BUILDINGS

CONTEST ENDS DECEMBER 30

Three limited competitions for the selection of architects for the three buildings for the departments of State, Justice and Commerce and Labor have been instituted, the programs having been approved by the President, Secretaries Knox, MacVeagh and Nagel and Attorney-General Wickersham.

The buildings will occupy the land bounded by Pennsylvania Avenue, the Mall, Fourteenth and Fifteenth streets. Provision has been made for an expert commission of award, to report on the relative merits of the designs, but the names of the judges will not be made public at this time.

With the exception of Daniel H. Burnham, of Chicago, and E. V. Seeler, of Philadelphia, who declined to enter the competitions, most of the eminent American architects are included in the list of sixty. Mr. Burnham declined in consequence of his position as president of the fine arts commission.

LIST OF COMPETITORS

The competitors are: Department of State—Nathan C. Wyeth, Washington; Hornblower & Marshall, Washington; McKim, Mead & White, New York; H. Van Buren Magonigle, New York; Warren & Wetmore, New York; George Cary, Buffalo; John Galen Howard, San Francisco; Pond & Pond, Chicago; Arnold W. Brunner, New York; Frank Miles Day & Bro., Philadelphia; Rankin, Kellogg & Crane, Philadelphia; Kelsey & Cret, Philadelphia; Shepley, Rutan & Coolidge, Boston; Allen & Collens, Boston; Parker, Thomas & Rice, Boston; F. M. Andrews & Co., Boston; James Gamble Rogers, New York; Wyatt & Nolting, Baltimore; Hubert G. Ripley, Boston; D'Oench & Yost, New York.

Department of Justice—Cass Gilbert, New York; Trowbridge & Livingston, New York; Donn Barber, New York; Carrère & Hastings, New York; Howells & Stokes, New York; Frost & Granger, Chicago; Parker & Thomas, Baltimore; Bliss & Faville, San Francisco; Percy Griffin, New York; Bannister & Schell, New York; Butler & Rodman, New York; Edward Pierce Casey, New York; Albert Randolph Ross, New York; Lord & Hewlett, New York; Palmer & Hornbostel, New York; Delano & Aldrich, New York; C. H. Blackall, Boston; Andrews, Jaques & Rantoul, Boston; Wheelwright & Haven, Boston; C. L. W. Eidlitz, New York.

Department of Commerce and Labor—Wood, Donn & Deming, Washington; Peabody & Stearns, Boston; Bigelow & Wadsworth, Boston; Eames & Young, St. Louis; T. C. Link & Son, St. Louis; Babb, Cook & Welch, New York; York & Sawyer, New York; Donaldson & Meier, Detroit; Holabird & Roche, Chicago; Abram Garfield, Cleveland; Tracy, Swartwout & Litchfield, New York; LaFarge & Morris, New York; Francis H. Kimball, New York; Kenneth M. Murchison, New York; Thomas R. Kimball, Omaha; Green & Wicks, Buffalo; George B. Post & Sons, New York; Mauran & Russell, St. Louis; Richards, McCarty & Bulford, Columbus, Ohio; J. H. Friedlander, New York.

COST AND ARRANGEMENT

The limit of cost fixed for the Department of Justice is \$1,900,000; the Department of State, \$2,200,000, and the Department of Commerce and Labor, \$3,650,000. The buildings for the departments of State and Justice will be three stories and basement; that of Commerce and Labor will be five stories and basement.

The ground area of the building for the Department of Commerce and Labor will be 90,000 square feet; that of the Department of State, 72,000 square feet, and that of the Department of Justice, 57,000 square feet.

The competition will close December 30. The programs limit the height of the exterior orders to forty-five feet, including columns and entablature; the style of architecture adopted must be in keeping with the best existing work in Washington; the designs must be executed by the regular office force of each competitor; colored perspective sketches are prohibited,

and the primary object of the competition is the selection of an architect and not the designs at first submitted, as the creators of the three accepted designs must modify and restudy their plans until they shall form a harmonious composition.

The problem of each department is stated in detail in the table of requirements submitted to those who have been invited to enter the competitions.

THE PROPOSED BUILDINGS

The building of the Department of State will contain offices for the Secretary, three assistant secretaries, director of the consular service, councilor and solicitor, bureaus of accounts, of rolls and library, citizenship, appointments, trade relations, near eastern affairs, far eastern affairs, western European affairs, Latin-American affairs, information and translations, and the telegraph office, office of chief clerk and the index bureau. Including offices for clerks and files, the total number of rooms will be 325. A feature of this building will be the state dining-room, two diplomatic reception rooms and an international conference, the last named occupying 6,000 square feet of floor space.

In the building for the Department of Justice, which will contain 225 rooms, accommodations will be provided for the Attorney-General, the solicitor general, the assistant to the Attorney-General, seven assistant attorneys general, the chief clerk, mail and files division, superintendent of prisons, bureau of investigation, library, public lands division, appointment clerk, pardon attorney, disbursing officer, attorney in charge of titles, assistant attorneys, division of accounts, stenographic bureau, etc. A feature of this building will be the law library. This room and the adjacent reading room will have a combined floor area of 7,500 square feet. The main stack room, which will be located on a mezzanine floor, will have 12,000 linear feet of shelf space.

In the building for the Department of Commerce and Labor accommodations will be provided for the Secretary, two assistant secretaries, chief clerk, disbursing clerk, appointment clerk, solicitor, bureau of corporations, statistics, manufactures, lighthouse, labor, census, investigations, immigration and naturalization, navigation, fisheries, coast and geodetic survey and steamboat inspection service; the library, correspondence sections, law section, computing division, tariff division, consular division, and the division of internal commerce, of compilation, of publications and of supplies and accounts. The census bureau alone will require 75,000 square feet of floor space. A feature of this building will be an aquarium for the bureau of fisheries, which will occupy 28,000 square feet of floor space. The building will contain 450 rooms.

NOTES ON TOWN PLANNING

THE REPLANNING OF PARIS

The great improvement scheme for Paris which has been so long under consideration is at length taking definite shape. It will be remembered that, as we duly recorded at the time, a loan of \$180,000,000 for expenditure on public works was authorized last December. It is now announced that a first issue of \$47,000,000 will be soon made by the city of Paris, whose Council is preparing for presentation a list of the works that are at once to be taken in hand. The loan is to be entirely devoted to what may be regarded as being almost purely town-planning objects, but, of course, in the process of widening and beautifying the streets, sanitation will claim a considerable amount of attention, and will involve a good deal of expense; and other important works of

utility will be taken in hand. For instance, the central market (les Halles) will be completed, and its approaches improved; while the municipal abattoirs are to be rebuilt. The continuation of the Boulevard Haussmann up to the Grands Boulevards, and the widening of the Rue de Bac, will doubtless involve much demolition and rebuilding. Further, hospitals are to be built, and some old ones will be rebuilt; so that altogether the architects' share of the disbursements will not be exactly insignificant; and they are to be congratulated on their opportunities of investing Paris with renewed architectural interest.—*The Architect's and Builder's Journal*.

CANBERRA, THE AUSTRALIAN FEDERAL CITY

The Commonwealth Government having selected Canberra, in New South Wales, as the site of the proposed Federal capital, it has been decided to invite competitive designs for laying it out from all parts of the British Empire. In anticipation of this an elaborate survey has been commenced. The boundaries of the new Federal territory will first be delimited, and then a contour survey of the city proper made. When this has been completed lithographic plans will be printed and sent to all parts of the Empire, with the fullest information for intending competitors, who will have to make provision for the location respectively of the viceregal residence, Parliamentary buildings, public offices, university, military barracks, and other groups of buildings. The site, which is one of the most beautiful in Australia, affords abundant facilities for the construction of one of the finest modern cities in the world.—*Architect and Contract Reporter*.

THE ELECTRIC RAILWAY IN CITY PLANNING

City planning is now receiving a great deal of attention as a result of an international conference on the subject in England, and many instructive comments on civic centers, main lines of travel, street cross-sections and the grouping of municipal buildings have been made. But the greatest practical influence on the actual location of the people of a city, at least, an American city, is wholly left out of sight. This is the electric railroad. It is more influential in determining where people will live than public squares, breathing places and lines of shade trees, and yet the only consideration it receives from the average city planner is in connection with the position of the tracks on the streets. We hear a great deal about the arrangement of boulevards, main avenues and side streets, but everything seems to be based on vehicular travel. This is all the more surprising when the careful attention paid to electric railway facilities by promoters of new enterprises is considered. A well-run electric railway will knock into a cocked hat all the theoretical plans of development that the most artistic civic beauty specialist can devise. It has built up the suburbs of our cities in an astonishing fashion, and now that some of our roads are handling express and freight it is pretty hard to tell just what this new influence cannot do. It is time to forget the car horse and to keep in mind the trolley wire. It is a waste of time to plan playgrounds and civic centers and keep them from being spoiled by the clanging electric car, for the latter will go somewhere else, and the trend of population will be with it. Convenience means a great deal to people who work long hours for moderate returns, and the electric road is the most convenient thing in the lives of most of them.—*Engineering Record*.

CURRENT NEWS

Carlyle Ellis, in *The American City* for October, 1910, writes instructively about "Federal Buildings as a Basis for City Beautifying" and illustrates his argument with views of pertinent examples, good and bad.

News dispatches state that a Syracuse, N. Y., capitalist will erect in Seattle, Wash., an office building forty-two stories high and which, with the exception of the Singer building and the Metropolitan tower in New York, will be the tallest building in the world.

During 1909 there was, according to statistics published, almost one billion dollars' worth of buildings erected in the United States. Of this enormous total it is stated that 73 per cent. was constructed of fire-resisting material.

FIREPROOF RAILROAD STATIONS

The Lehigh Valley Railroad Company will, we learn from press reports, construct all their stations of strictly fireproof material. Three important stations have already been constructed of hollow tile and stucco, and the results have proved so satisfactory that the company will build all their suburban stations in that way.

TO UNDERPIN THE LEANING TOWER

It is reported in the French press that the firm of American contractors who successfully moved the tower of the church at Boscholt (described in our issue of October 26) have made a proposition to the Italian government relative to underpinning the Leaning Tower of Pisa.

TEXAS MASONS PETITION FOR STATE SUPERINTENDENCE

At the annual convention of the Texas State Conference of the Bricklayers and Masons International Union of America, held in Dallas, it was decided to petition the State Legislature to create the office of Superintendent of Masonry, to which only practical mechanics would be eligible.

WIDESPREAD INTEREST IN LEANING TOWER

Professor William H. Goodyear's article on the Leaning Tower of Pisa, first published in the *AMERICAN ARCHITECT* of September 28, has been copied and quoted by the daily press generally throughout the United States and in Europe. We regret to note that in the majority of instances *THE AMERICAN ARCHITECT* has not received credit for its publication, although in some cases the article has been reprinted intact.

TO IMPROVE DESIGN OF LETTER BOXES

It is significant to note the growing appreciation of good design in even the most utilitarian things in everyday life. In considering the re-arrangement of letter boxes throughout New York, the subject of more attractive boxes was discussed. A new design is in preparation and as soon as approved by the Art Commission will, as fast as possible, be substituted for the present unsightly boxes. It is proposed to discontinue the present practice of hanging letter boxes to lamp-posts and to substitute independent letter box pedestals.

PERSIA PROHIBITS ANILINE DYES IN RUGS

The Persian Government has modified its decision of January 9 last, and has postponed until June, 1912, the date upon which, in accordance with the customs regulations, the exportation of carpets and rugs dyed with aniline colors or colors in the composition of which aniline enters shall be rigorously prohibited. Some exports to the United States had been held up on this account. Ordinarily these dyes may be detected by wetting and rubbing with a white cloth. They come away upon the cloth or spread in the wet place. Silk rugs of Tabriz seem to be frequently thus dyed.

FIREPROOF HOUSES

Architects practicing in towns where the building laws are lax would do well to invite their client's attention to the relatively slight increase in cost which results when fireproof floors and partitions are substituted for the more customary wooden construction.

There is not only the gain in durability and freedom from fire risk, but such construction presents the added advantage of being practically sound proof. If alternative bids were invited, clients could in very many cases be induced to adopt the better method of building, when otherwise the more antiquated mode would prevail through default on the part of the professional adviser.

MEDALS FOR OWNERS

As stated in these columns some time ago, the New York Chapter of the A. I. A. offered medals to owners of apartment houses for the building of best architectural designs erected and completed within three years prior to Dec. 31, 1910. The secretary of the Chapter, Mr. Frank H. Holden, now requests owners to send to him photographs of such buildings as they desire to enter in this competition. Mr. Holden's address is 1170 Broadway. We commend the action of the New York Chapter as a precedent that could be successfully followed by other Chapters. Owners receiving the Chapter medals will not be slow to see the immense advantage that would accrue and the enhanced importance of a building as to its rental value, that has been declared architecturally good by so competent an authority. This action, initiated by the New York Chapter will, we believe, have a far-reaching influence in impressing on owners the commercial value of good architecture and halt a certain class of construction that has become an eyesore.

A NEW DIRECTOR FOR THE METROPOLITAN MUSEUM OF ART IN NEW YORK

At a meeting of the board of trustees of the Metropolitan Museum of Art, held in New York on October 31, Edward Robinson, who has for the last year been acting director of the museum, was elected director to fill the position vacated by Sir Caspar Purdon Clarke, who resigned last June on account of ill health.

Mr. Robinson's selection has been received in art circles with unqualified satisfaction, as one wherein the appointee was eminently fitted for the position. Further satisfaction has been generally expressed by reason of the fact that Mr. Robinson is the first native American ever placed at the head of the Museum.

Mr. Robinson was formerly director of the Boston Museum of Fine Arts and is an authority on classical art and antiquities.

A COLOSSAL CONCRETE STATUE

What may become one of the most famous statues in the world stands above Eagle's Nest, across the river from Oregon, Ill. It has been in process of making three years and is now near completion. It is constructed of concrete. The Indian figure, which is forty-eight feet high, stands facing the south, looking down the river. The head and profile and folded arms appear perfect in detail as they are outlined against the sky and forest from many viewpoints around the country.

The claim of the statue to fame lies in three things: First, any one may read its message. Second, the statue's great size, forty-eight feet, without counting either the artificial base or the natural rock foundation 250 feet high on which it is placed, puts it on a scale with the Goddess of Liberty in New York harbor and the great statue of "The Pilgrim" on the New England coast.

The third and greatest claim to fame is that it is built to be permanent.

COLLAPSE OF A SPRINKLER TANK

At 6 a. m., July 18, 1910, without any warning the 5,000-gallon sprinkler tank of the West End Theater, New York, elevated twelve feet above roof of stage portion, collapsed, and staves and contents of tank fell on roof over stage, on auditorium roof, on roof of adjoining flat house and on to street. The rush of water across stage roof carried four staves over the three-foot parapet wall and down to sidewalk of Hancock place, together with a six-foot length of two and one-half by sixteen-inch marble coping. Fortunately no one was passing at the time, as this is a drop of seventy-five feet. A large quantity of water entered the skylight and fell to the center of the stage.

The tank was of cedar, installed in 1902, and constituted the only water supply for the sprinkler equipment over the stage portion. There were nine ordinary flat hoops on the tank, the bursting of one of which must have caused all remaining hoops to give way simultaneously.

An examination of hoops after accident shows that they were as thin as paper in many places, and it is remarkable that a collapse did not occur long before this. The attention of the occupants had been called to the condition of these hoops as far back as June, 1906, but they did not feel disposed to make any change.—*Quarterly of the N. F. P. A.*, October, 1910.

CARNEGIE LIBRARIES IN INDIANA

At the recent annual meeting of the Indiana Library Association the president reported that twenty-two public libraries had been built in that State during the past twelve months through gifts of Andrew Carnegie. Of these, six are in Indianapolis. The association recommended the erection of a separate fireproof building for the State Library at the Capitol.

INDUSTRIAL

KAHN SYSTEM SPECIFICATIONS

The above is the title of a book recently issued by the Trussed Concrete Steel Co., of Detroit, Mich. This little volume will be found a particularly valuable work of reference in concrete construction and one in which the architect will find ready solutions to many problems that occur in practice.

The rapid growth of concrete construction has made necessary a handbook on design similar to those published in connection with the use of structural steel and other building materials. This work would seem to supply such a demand, as it presents to the designer tables and other valuable information in readily available form.

All the data, it is stated, are based on a most extensive experience in reinforced concrete work and include the practical knowledge gained in the construction of more than five thousand important structures, embracing every type in which concrete is used.

While the work as presented deals mainly with the Kahn Trussed Bar and other Kahn system products, the principles and treatment employed are readily applicable to any type of reinforced concrete work. All these are very fully illustrated and described in this useful book, which may be had by architects upon request.

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- APARTMENTS, The Wellmore. Janes & Leo, Architects. Exterior photograph and plan. *The Western Architect*, October, 1910.
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- DEPOT, Salt Lake City, Utah. Henry J. Schlacks, Architect. Exterior photographs. *The Western Architect*, October, 1910.
- EXCHANGE BANK BUILDING, Colorado Springs, Col. Shepler, Rutan & Coolidge, Architects. Exterior photograph and plan. *The Western Architect*, October, 1910.
- HOUSE, A Concrete Tile, Woodmere, L. I. Alfred Hopkins, Architect. Exterior photograph and plans. *Architecture*, September, 1910.
- HOUSE AND GARDEN AT OYSTER BAY, L. I.—Carré & Hastings, Architects. Exterior photographs and plans. *The Brickbuilder*, September, 1910.
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SHERMAN BUILDING, Watertown, N. Y. Clinton & Russell, Architects. Exterior photograph. *The Western Architect*, October, 1910.

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UNION THEOLOGICAL SEMINARY, N. Y. Allen & Collens, Architects. Exterior and interior photographs and plans. *Architecture*, September, 1910.

TEXT

- ACOUSTICS, HINTS ON ARCHITECTURAL. By Hugh Tallant. Four pages, illustrated. *The Brickbuilder*, September, 1910.
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- CONTRACT BETWEEN ARCHITECT AND OWNER, A. By W. B. Bamford. Three pages. *The Brickbuilder*, September, 1910.
- DENVER & RIO GRANDE DEPOT, SALT LAKE CITY, UTAH. *The Western Architect*, October, 1910.
- DOMESTIC ARCHITECTURE, RECENT DESIGNS IN. Four pages, illustrated. *The International Studio*, November, 1910.
- FIFTH AVENUE, THE RECENT MOVEMENT OF THE ASSOCIATION TOWARD GUIDING ARCHITECTURE ON THAT FAMOUS THOROUGHFARE. By Robert Grier Cooke. *The New York Architect*, October, 1910.
- HOSPITAL PLANNING, NOTES ON. By S. S. Goldwater. Four pages, illustrated. *The Brickbuilder*, September, 1910.
- HOUSES OF REINFORCED CONCRETE, INEXPENSIVE. By Milton Dana Morrill. Four pages, illustrated. *The Western Architect*, October, 1910.
- HOUSE, FIREPROOF, AS THE AMERICAN TYPE. Squires and Wynkoop, Architects. Two pages, illustrated. *The Western Architect*, October, 1910.
- HOUSES, STUCCO. By A. G. Cutting. *The Western Architect*, October, 1910.
- HUDSON COUNTY COURT HOUSE. THE DECORATIVE WORK IN THE. One page. *The New York Architect*, October, 1910.
- PAVING, HISTORY OF. *The Western Architect*, October, 1910.
- SANITARY BUILDINGS IN BOSTON, NEW. Four pages, illustrated. *The Brickbuilder*, September, 1910.
- STUCCO. By Albert Moyer. Two pages. *Architecture*, September, 1910.



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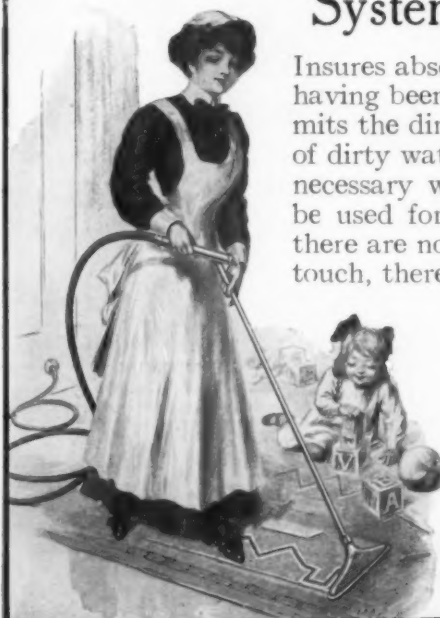
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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BIRMINGHAM.—Council has instructed the Building Inspector to ask for bids for improving city building at Ensley.

HUNTSVILLE.—J. E. Penney is considering erection of department store building.

MONTGOMERY.—Council is considering purchase of site at Monroe and McDonough Sts. for erection of police station.

TUSCALOOSA.—Gymnasium Committee of Y. M. C. A. is considering plans and estimate of cost of erecting gymnasium. M. P. Jemison, Chairman.

YELLOW PINE.—Bids will be received until Jan. 1 by Pinehurst Fruit and Nut Plantation, Inc., 706-709 Marquette Bldg., Chicago, Ill., for building and furnishing material of twenty frame houses, one school building, stables, packing shed, canning factory building, and ice plant building on Pinheurst Fruit and Nut Plantation, near this city; prices on lumber specified can be secured from E. W. Gates Lumber Co., Yellow Pine, Ala., and the Vinegar Bend Lumber Co., Vinegar Bend, Ala., A. Robertson Land & Lumber Co., Chicora, Miss.; prices on brick from Jett Bros., Mobile, Ala., and on hardware from Barney Cavanaugh Hardware Co., Mobile.

ARKANSAS

FORT SMITH.—Wallace Invalid Bed Co. is contemplating erection of a factory in this city.

HAZEN.—Bank of Hazen will erect two-story brick bank building. A. J. Screeton, President.

PARAGOULD.—Erection of \$25,000 Y. M. C. A. building is being considered.

CALIFORNIA

AUBURN.—School District will soon vote on bonds for erection of school.

BERKELEY.—California Institution of Deaf and Blind is considering rebuilding of manual training school, destroyed by fire.—Douglas Keith, Superintendent.

GRASS VALLEY.—Local Lodge of Elks will erect club house next spring. Site purchased.

LOS ANGELES.—Erection of large building with chapel at University of Southern California is being considered. Rev. T. H. Woodward, of Whittier, is interested.

LOS ANGELES.—Burger and Burger will erect four-story \$35,000 warehouse on Palm St.

OAKLAND.—Extensive additions will be made to Nile Club House at Thirteenth and Grove Sts.

OAKLAND.—Knights of Columbus have purchased site at Tenth and Oak Sts. for erection of home.

POMONA.—Architect Robert H. Orr has completed plans for erection of proposed Congregational Church.

SACRAMENTO.—Bids will be received until 2 p. m., Dec. 5, for erection of court house. R. A. Herold, Bryte Bldg., architect; Wm. B. Hamilton, county clerk.

SACRAMENTO.—Shea & Shea, San Francisco, have prepared plans for erection of \$10,000 Catholic church at Oak Park. Rev. Wm. Ellis, Pastor.

SACRAMENTO.—Southern Pacific has appropriated \$400,000 with which to erect new passenger depot in this city next year.

SAN FRANCISCO.—Architect Jos. Cahen has completed plans for erection of \$40,000, three-story building at Kearny and Pine Sts. for Louis Friedman; also three-flat building on Sacramento St. for Martin Cline.

SAN FRANCISCO.—Congregation Emanu-El will erect \$500,000 synagogue at Van Ness Ave. and Sutter St. L. Sachs, President.

WILLIAMS.—School District has voted \$25,000 bonds for erection of high school.

CONNECTICUT

BRIDGEPORT.—Architect T. F. Kelley has completed the plans for three-family house on Beechwood Ave. for John Miller.

NEW HAVEN.—Mrs. C. J. Armitage has had plans completed for erection of residence on Pond St.

WATERBURY.—Plans have been completed by Architect C. A. Ketchen, Jr., for erection of frame residence on Grandview Heights for Albert Schumaker.

Architect C. Jerome Bailey, 63 Bank St., has completed plans for a residence on the Bunker Hill Road for Carmine Martone; also for three-story tenement house on Walnut St. for Thomas Donohue.

Plans have been prepared for immediate erection of machine shop on Bank St. for the Waterbury Farrel Foundry Machine Co. Griggs & Hunt, 51 Leavenworth St., architects.

St. Margaret's Church will erect parochial residence next spring. Louis A. Walsh.

WILLIMANTIC.—Rossie Velvet Co. is considering erection of factory. Board of Trade is interested.

DELAWARE

SEAFORD.—Masons are considering erection of three-story brick store and lodge building.

DISTRICT OF COLUMBIA

WASHINGTON.—Alumni of Central High School are urging erection of new Central school building and will take up the matter with the District Commissioners and with Congress. W. V. Cox, President of the Board of Education, is interested.

Association of the Oldest Inhabitants of the District of Columbia has instructed its home committee to submit plans for the enlargement and improvement of Union engine house at Nineteenth and H Sts. N. W.

Victor J. Evans will erect seven-story office building on F St. N. W.

Equitable Co-operative Building Association is considering erection of home.

WASHINGTON.—Bids will be received until 2 p. m., Nov. 21, for erection of addition to McKinley Manual Training School, Rhode Island Ave. and Seventh St., N. W. C. H. Rudolph, Chairman, District Commissioners.

WASHINGTON.—W. H. Sholes will erect four-story \$75,000 brick and concrete building at 1769 Lanier St. N. W.

FLORIDA

JACKSONVILLE.—Plans for fifteen-story office building to be erected at Corner of Forsyth and Laura Sts., by E. H. Tomlinson, J. G. Boyd, of this city, and J. J. Heard, of Arcadia, are now being drawn.

ST. PETERSBURG.—J. A. Vandeventer will erect three-story, concrete block, rooming house, on Third Ave. South.

GEORGIA

ATLANTA.—East Atlanta Bank, Flat Shoals and Glenwood Aves., will erect \$5,500 building. E. A. Minor, President.

MACON.—Dr. Howard Williams has purchased site on Spring St. for erection of hospital and sanatorium.

ILLINOIS

CHICAGO.—Citizens have voted \$3,500,000 bonds for erection of city hall.

Hamilton Club, 135 Monroe St., is considering erection of \$300,000 club house at 148 Dearborn St.

CHICAGO.—Congregation Bnai Sholom will erect edifice at East 53d St. and Michigan Ave.

DECATUR.—Architect will soon be selected to prepare plans and specifications for new Decatur and Macon County Hospital. Dr. Wm. Barnes is interested.

School house will be built in Ridgeview district next summer. B. B. Jackson, Superintendent of Schools.

EAST ST. LOUIS.—Sisters in charge of St. Mary's Hospital on Missouri Ave. have decided to erect \$15,000 six-story hospital at Twenty-ninth and State Sts. Geo. Pfeifferberger, Sexton Bldg., Architect.

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MOLINE.—Y. M. C. A. has purchased site at Fifth Ave. and Eighteenth St. for erection of building.

PEORIA.—Architects Reeves & Baillie have prepared plans for erection of proposed Douglas school building.

INDIANA

ELKHART.—Bids will be opened Dec. 7 for erection of \$75,000 high school. E. Hill Turnock, architect. Emil Anderson, chairman school board.

EVANSVILLE.—John Fendrich will erect \$25,000 residence on Upper First St. Shopbell & Co., Architects.

GREENTOWN.—Cosmo Ellwood and Willard M. Ellwood, architects, Elkhart, have been commissioned to prepare plans for a twenty-room manual training high school.

INDIANAPOLIS.—S. A. Fletcher, Fletcher American National Bank, will erect residence on Millersville Road.

Hibben, Hollweg & Co. will erect eight-story building at Meridian and Georgia Sts.

IOWA

BEDFORD.—P. S. Junkin will rebuild structure destroyed by fire.

CEDAR RAPIDS.—Star of the West Lodge No. 1, Knights of Pythias, has voted to accept plans prepared for proposed \$17,000 Pythian building to be erected on First Ave.

DES MOINES.—The Farmers' Co-operative Company will at once begin building of silo factory on South Eleventh St. Three buildings will be erected.

SIOUX CITY.—Haley & Lang Building Co. has been incorporated. Building will be erected within year. Wm. G. Haley, resident.

KANSAS

EMPORIA.—President Jos. H. Hill, Normal School, has asked for \$200,000 appropriation for erection of auditorium and improvement of main building.

KENTUCKY

LEXINGTON.—The Knights of Pythias of Kentucky are preparing to build addition to present home, which will be used as girls' dormitory and will cost \$20,000.

LOUISVILLE.—Hugh L. Nevin is planning to erect \$75,000 apartment house at Fourth Ave. and Oak St.

LOUISVILLE.—Jefferson County has voted \$500,000 bonds for improvement of schools.

Citizens have voted \$1,000,000 for proposed City Hospital. W. O. Head, Mayor.

MAINE

PORTLAND.—Plans have been prepared for erection of proposed club house for Portland Power Boat Association. Commodore E. A. Clark, Chairman Building Committee.

MARYLAND

BALTIMORE.—E. J. Ellinger is considering erection of three stores at Saratoga and Holliday Sts.

Architect W. M. Gieske, Equitable Bldg., is preparing plans for erection of \$8,000 residence at Sherwood station.

Citizens have voted \$7,500,000 bonds for schools and other improvements.

BALTIMORE.—Grafflin Cook will erect residence on Charles St. Jos. Evans Sperry, Calvert Bldg., Architect.

Isaac N. Cooper will erect sixteen two-story brick houses on Madison St. Henry J. Finley, Architect.

Mrs. Howard Biscoe will erect \$6,000 residence on Cedar-croft Road.

BALTIMORE.—Architects O. G. Simonson, American Bldg., and W. H. McElfrick, 1402 Broadway, New York City, have prepared plans for erection of \$100,000 theater on Fayette St.

Plans for new addition to the plant of the J. S. Young branch of the MacAndrews & Forbes Company, on Boston St., have been finished by Architect C. M. Anderson, 324 North Charles St.

Architect Henry J. Tinley is preparing plans for warehouse and factory building to be built at Central and Fairmount Aves. for Eugene Blake.

BALTIMORE.—Charles E. Litzinger will erect 11 two-story brick dwellings on Thirty-sixth St., to cost about \$21,000. F. E. Beall, 213 St. Paul St., Architect.

Plans for \$5,000 home and store of Julius Grotzky, to be erected at Severn Park, have been completed.

John T. Murphy, Lombard St., is considering erection of four-story warehouse at 33 Cheapside St.

BALTIMORE.—Plans for the new Empire Circuit Theatre, to be erected at 311 to 317 West Fayette St., are being prepared by W. H. McElfrich and O. A. Simonson and will be finished in time for estimates on January 1.

E. W. Herndon is having plans made by Wyatt & Nolting, Architects, for \$10,000 residence to be erected at Midland Road and Kittery Lane, Reland Park.

CAMBRIDGE.—Leon Wilde Crawford, Architect, 919 Market St., Wilmington, Del., has had accepted his plans for new church for Zion M. E. Congregation.

MASSACHUSETTS

BOSTON.—The Denison House will erect \$65,000 addition. R. W. Hale, 60 State St., is interested.

HOLYOKE.—School Committee will ask city to erect two new school buildings next year.

NEW BEDFORD.—Council Committee on Education will recommend that steps be taken to ascertain cost of erecting proposed industrial school.

MICHIGAN

ANN ARBOR.—Board of Regents, University of Michigan, will consider erection of \$200,000 auditorium.

BAY CITY.—Bids will be received by Board of Health until Nov. 21 for erection of proposed detention house.

COLDWATER.—Western Reserve Condensed Milk Co., Cleveland, O., is interested in proposed erection of factory in this city.

DETROIT.—Bids will be received until about Dec. 1 for erection of eight-story office building, cost \$100,000, at Gratiot and Farrar Sts. for Kiefer Land Co. R. H. Marr, 1529 Ford Bldg., Architect.

DETROIT.—J. L. Selling, 4 Monroe Ave., will erect two-story store building on Broadway.

ESCANABA.—Citizens have voted \$15,000 bonds to erect and equip Seventh Ward Fire Station.

GRAND RAPIDS.—Board of Trustees of United Benevolent Association is considering erection of \$250,000 hospital. John W. Blodgett, President.

KALAMAZOO.—Lake St. Mission has had plans prepared for erection of edifice. Rev. V. L. Montgomery, North Presbyterian Church, is interested.

LANSING.—Bids will be received until noon, Dec. 14, for erecting proposed hospital. E. A. Bowd, Architect. J. H. Moores, 131 E. Allegan St., President E. W. Sparrow Hospital Association.

MONROE.—Monroe Machinery Co. is considering enlargement of plant.

MINNESOTA

CHISHOLM.—School Board will soon call for bids for erection of proposed Lincoln School.

DULUTH.—Bray & Nystrom, Palladio Bldg., are preparing plans for \$6,000 frame and stucco residence to be built for N. C. Clark on Second St.

EVELETH.—Committee, Sergeant Peter Nordi, chairman, is considering plans for erection of two-story brick hall for Italian Societies.

MINNEAPOLIS.—Harry W. Pence will erect auto warehouse at Eighth and Washington Aves.

ST. PAUL.—St. Paul Tannery Co. will erect modern building in South St. Paul. Plans prepared.

ST. PAUL.—A. L. Garlough, architect, 25 Union block, has prepared plans for two-story frame duplex which H. P. Conrad will erect at Nelson and Virginia Aves.

L. W. Johnson & Bros., 521 York St., will erect on Payne Ave. a \$5,000 two-story brick store and flat building.

St. Paul Bread Co. will erect \$150,000 baking plant at Robert and Twelfth Sts. and Minnesota Ave.

VIRGINIA.—Architects F. L. Young & Co., Palladio Bldg., Duluth, have prepared plans for improvements and additions to Tower Hotel for Harry Solberg.

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MISSISSIPPI

BILOXI.—Local Masonic Lodge has decided to issue \$20,000 bonds for construction of a three-story building at corner of East Howard Ave. and Main St.

GULFPORT.—Mississippi Coast Country Club will erect \$10,000 club house. J. A. Jones, President.

MCCOMB CITY.—Owners of Goldbold Mineral Wells Hotel, destroyed by fire, will erect \$50,000 brick and concrete building.

MISSOURI

LEXINGTON.—Bids will be received until 3 p. m., Dec. 19, for complete construction of post office. Jas. K. Taylor, Washington, D. C., Supervising Architect, Treasury Department.

MONTANA

MILES CITY.—Plans have been prepared by Link & Haire, Helena, for a two-story brick and concrete addition to court house.

NEW JERSEY

ATLANTIC CITY.—Architect Harry De Hoff, of Philadelphia, Pa., is preparing plans for five-story \$65,000 apartment house, to be erected at Connecticut and Atlantic Aves., for Dr. B. H. Warren.

BAYONNE.—Company I, Fourth Regiment, N. G. N. J., has asked Council to provide a site for erection of armory.

BAYONNE.—The Standard Oil Co., of 26 Broadway, Manhattan, is now receiving estimates for the erection of \$75,000 oil can factory at Constable Hook.

EAST ORANGE.—Mrs. Florence Nichols will erect \$18,000 residence on Munn Ave. Geo. E. Teets, 28 Washington Pl., Architect.

E. V. Warren, 22 Clinton St., Newark, has drawn plans of six one-family frame dwellings to be erected in Rutledge Ave. for Charles A. Morel. Cost about \$25,000.

ELIZABETH.—Adolph Wagner will immediately begin erection of two two-family houses at 33 and 41 De Hart Place.

ELIZABETH.—C. H. Ritter, Empire Theatre, Red Bank, is having plans prepared for erection of \$8,000 theatre on Irving St.

G. Godfrey Poggi, 2 Julian Pl., will prepare plans for erection of proposed high school.

Bids are being procured by Oakley & Son, architects, 1201 E. Broad St., for thirty-six family apartment house to be erected at West Grand and Union Sts., for Clinton Gilbert.

JERSEY CITY.—From plans prepared by Architect William H. Bogart, 712 Bergen Ave., two apartment houses will be erected on Van Nostrand Ave. for Charles Auerbach; cost, \$14,000.

JERSEY CITY.—From plans prepared by Architect Nathan Weltoff an \$8,000 six-family flat will be erected at 22 Randolph Ave. for Levin & Petika, 532 Avenue C, Bayonne.

JERSEY CITY.—From plans prepared by Architect William E. Lehman, 736 Broad St., Newark, \$20,000 warehouse and stable building will be erected by the National Biscuit Co., of Tenth Ave. and Fifteenth St., New York.

Plans are being prepared by Architect Leo Feinen, 3649 Boulevard, for \$8,000 two-family residence on corner of Hague St. and Boulevard, by August Miller, Nelson Ave. and Grace St.

MILLVILLE.—Trinity P. E. Church will at once let contract for erection of \$25,000 parish house.

NEWARK.—Klingel & Turney have had plans drawn by S. J. Kutz for three-story frame flat building, with accommodations for three families, which they contemplate erecting soon at 248 Smith St.

Walter J. Aschenbach, 349 Plane St., has drawn plans of \$5,800 frame dwelling to be erected for Mrs. Rosa Gelb at 104 Ridgewood Ave.

H. L. Bauman will erect \$28,000 commercial building, of brick construction, at 37-39 William St., after plans by Nathan Myers, 238 Washington St.

RIVERSIDE.—Architect Clyde S. Adams, 1233 Arch St., Philadelphia, is designing a \$10,000 residence for Dr. S. W. Collins.

TRENTON.—Trenton Potteries Co. will soon take bids on erec-

tion of \$6,000 addition to plant on Muirheid St. Abram Swan, Sr., Architect.

NEW MEXICO

LAS CRUCES.—New Mexico College of Agriculture and Mechanic Arts is considering erection of new building.

LAS CRUCES.—St. James Episcopal Church, Mesilla Park, will erect residence next spring. Rev. Hunter Lewis, Pastor.

NEW YORK

ALBANY.—Methodist Church at Green Island is considering erection of edifice on Hudson Ave. Rev. Clarence Miller, Pastor.

BALDWINVILLE.—Rochester, Syracuse & Eastern Railroad is planning to erect depot in this city.

BROOKLYN.—Prospect Park Bank, 885 Flatbush Ave., will expend \$25,000 in improvements. Wm. D. Buckner, President.

Fenimore St. M. E. Church will erect \$25,000 edifice at Fenimore St. and Bedford Ave. Benjamin Driesler, 176 Remsen St., Architect. Rev. L. H. Caswell, Pastor.

Shampan & Shampan, 772 Broadway, are preparing plans for six-story limestone and terra cotta bank and office building which is to be erected at Graham Ave. and Siegel St. for A. L. Kass.

Queens Borough Public Library budget for coming year will include sum sufficient for construction of building in Brooklyn Manor section.

BROOKLYN.—Plans are being prepared by Superintendent of Schools Snyder for erection of proposed Bushwick High School; bids will soon be asked.

BROOKLYN.—Manuel A. Esteva, vice consul of the Mexican government, next spring will erect residence at Windsor Ave. and South Country Road, Brightwaters, Bay Shore, L. I. Tentative plans prepared.

BUFFALO.—Plans have been accepted by Bishop Colton for erection of Catholic Cathedral at Delaware Ave. and Utica St. Cost, \$500,000.

BUFFALO.—Plans have been drawn by City Architect Howard L. Beck for erection of proposed Washington Market.

Architect C. K. Porter & Sons, 73 W. Eagle St., have prepared plans for erection of \$7,000 residence on Crescent Ave. for Chas. A. Hinkley.

DEPEW.—Colson & Hudson, 35 Dun Bldg., Buffalo, are preparing plans for two-story \$17,000 warehouse to be erected for Loeser Bros. Co.

DODGEVILLE.—International Pulp Co., Gouverneur, will at once rebuild mill destroyed by fire; loss \$100,000. A. J. McDonald, Superintendent.

FULTON.—Pietro Massaro, Syracuse, is planning to erect three-story concrete factory on Wall St.

LE ROY.—Board of Trustees is considering erection of town hall.

LOWVILLE.—Adirondack Maple Sugar Co. will at once erect plant. Charles Wisner & Son will superintend construction.

MECHANICSVILLE.—Manufacturers' National Bank has appointed committee to obtain plans for erection of bank building on Main St.

NEW YORK.—Architects Schwartz and Gross, 347 Fifth Ave., have prepared plans for erection of eight-story \$1,000,000 loft building on Centre St.

NEW YORK.—Estate of T. R. A. Hall, 39 East Forty-second St., will erect eight-story brick store and lofts, cost \$75,000, on Fifth Ave. G. Prevot, 104 West Forty-second St., Architect.

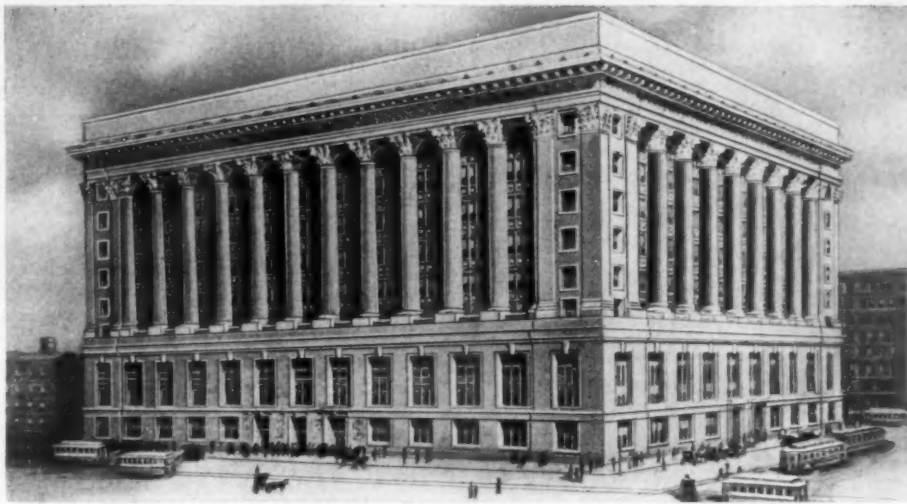
L. & A. Pincus, 20 West Thirty-first St., will erect six-story, \$50,000 brick loft on Thirty-second St. B. W. Levitan, 20 West Thirty-first St., Architect.

Louisa Diener, 1768 Gleason Ave., will erect two frame dwellings, cost \$11,500, at McGraw and Taylor Aves. B. Ebeling, 1136 Walker Ave., Architect.

NEW YORK.—Greenstein & Mayer, 230 Grand St., will erect one-story brick stores and dwellings at cost of \$14,000. C. B. Neyers, 1 Union Square West, Architect.

Michael A. Defio, 2395 Belmont Ave., will erect two one-story brick stores and dwellings, cost \$15,000, on 187th St. M. W. Del Gaudio, 401 Tremont Ave., Architect.

NEW YORK.—Broadway and Park Place Co., 280 Broadway, will erect twenty-seven story brick and stone office building at



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Broadway and Park Place; also a fifteen-story extension; plans filed for foundations to cost \$500,000. Cass Gilbert, 11 E. Twenty-fourth St., Architect.

F. M. Woolworth will erect tall office building at Broadway and Park Place.

Seaboard Realty Co., 101 Park Ave., is considering erection of mercantile building at Park Ave. and Fortieth St.

NEW YORK.—Hudson Realty Co. is having plans prepared for erection of theatre building at Courtlandt Ave. and 149th St.

Joseph Diamond, 1139 Wyatt Ave., will erect two five-story brick stores and apartment houses on Mapes Ave.; cost, \$125,000; H. Nordheim, 1087 Tremont Ave., architect.

Moore & Landsiedel, 148th St. and Third Ave., have filed plans for erection of number of apartment houses.

NYACK.—New York Telephone Co. will erect \$63,000 office building at Main and Cedar Sts.

ONONDAGA.—Architect Charles E. Colton, of Syracuse, has prepared plans for modern schoolhouse building to be erected for District No. 26.

OSWEGO.—Plans prepared by Former School Superintendent Bullis will be used for erection of brick veneer school in Second Ward.

POUGHKEEPSIE.—Mayor-elect Sague will urge erection of high school building.

RAVENA.—Fred Roberts will erect dwelling next Spring on Van Buren St.

ROCHESTER.—Bishop Hickey is contemplating erection of Catholic church in vicinity of Main St. East and Culver Road.

SCHENECTADY.—County Supervisors have decided to purchase site for erection of jail.

The A. G. Lindley Co., Architects, Parker Bldg., have completed plans for two-room school building for district No. 10, Town of Colonie; firm is now working on plans for new theatre to be built in Schoharie by Dr. T. J. Kilmer.

SCHENECTADY.—Plans will be prepared by Oren Finch, 437 State St., for three or four buildings for proposed County Tuberculosis Sanitarium.

SYRACUSE.—R. S. Weston & Co., 721 S. Clinton St., is planning to erect warehouse on South Clinton St.

SYRACUSE.—Plans have been prepared by Architects Makepeace & Makepeace for erection of fire house on Wolf St. for Engine Co. No. 4.

WATERLOO.—Site has been selected for erection of proposed postoffice. J. B. Mongin, Postmaster.

NORTH CAROLINA

DURHAM.—Architect J. W. Brewer, Greensboro, has completed plans for home for North Carolina Child Home Society. J. S. Carr, city, President.

FAYETTEVILLE.—Atlantic Coast Line has had plans prepared for erection of depot.

NORTH DAKOTA

BEACH.—First Methodist Church has decided to erect \$10,000 edifice.

FARGO.—School Board is considering erection of school.

MEDORA.—Congregational Society has completed arrangements for erection of church.

OHIO

ASHLAND.—Bids will be received until Nov. 27 for erection of proposed \$70,000 city hospital. F. L. Packard, Hayden Bldg., Columbus, Architect.

BASIL.—Architects Howard & Merriam, Capital Trust Bldg., Columbus, will draw plans for eight-room modern school building to be erected next year between Basil and Baltimore.

CINCINNATI.—Herancourt Brewing Co. has had plans prepared for erection of iron and concrete structure at 1406 Harrison Ave.

CINCINNATI.—Board of Education has ordered issuance of \$240,000 bonds for erection of proposed Fourteenth District School.

CINCINNATI.—Residents of Wyoming have voted bonds for erection of school.

CLEVELAND.—Commercial Building Co. has had plans completed for erection of \$300,000 six-story building on Upper Euclid Ave. T. M. Sweetland, General Manager.

COLUMBUS.—Architect C. L. Inscho, Brunson Bldg., has been commissioned to prepare plans for erection of school houses at Laurelvile and Howard.

Architects Dawson and Holbrook, Outlook Bldg., are drawing plans for nine-room brick residence to be erected on Fifteenth Ave. for Daniel Krumm.

KENMORE.—Citizens have voted \$7,500 bonds to improve high school building.

LOVELAND.—Citizens have voted bonds for school purposes.

MANSFIELD.—Citizens have voted \$100,000 bonds to erect school; also addition to Hedges St. building.

OXFORD.—Architect Harry Hannaford, Hulbert Block, Cincinnati, will prepare plans for erection of addition to school.

TOLEDO.—Harry Jennison and A. G. Wright will erect creosoting plant at Broadway and the Wabash tracks.

TOLEDO.—Toledo Club is considering erection of \$200,000 club house.

TOLEDO.—Toledo Newspaper Co. will erect building at corner of Huron and Jackson Sts.

WEST JEFFERSON.—Architects Howard and Merriam, Capitol Trust Bldg., Columbus, have been retained as architects by Board of Education for construction of a new eight-room, semi-fireproof high school.

WOOSTER.—Dormitory, cost \$100,000, will be erected at Wooster University. L. E. Holden, President.

OKLAHOMA

PAULS VALLEY.—First Baptist Church will erect \$10,000 edifice.

OREGON

EUGENE.—Architect J. R. Ford is preparing plans for erection of residence on River Road for James Wall.

PORTLAND.—Architects Knighton & Root are planning erection of \$75,000 apartment house on Upper Washington St. for E. J. Frohman.

PORTLAND.—Architect D. B. Flickinger has prepared plans for erection of residence for Miss Ireland on Terwilliger Boulevard.

PORTLAND.—Plans are being prepared by Architects Kniton & Root for \$75,000 apartment house to be erected at Corner of Washington and St. Clair Sts. for E. J. Frohman.

Architects Kroner & Henn are preparing plans and specifications for frame residence to be built in Laurelhurst for H. C. Griesel.

PENNSYLVANIA

ERIE.—Erection of annex, cost \$30,000, to St. Vincent's Hospital is being considered.

MEADVILLE.—Moore Bros. will erect large brick building on N 10th Water St.

PHILADELPHIA.—Architect Spencer Roberts, 26 S. Fifteenth St., is preparing plans for garage at Thirty-seventh and Ludlow Sts. for Loraine Motor Company.

PHILADELPHIA.—Catholic Church of the Transfiguration, Fifty-fifth St. and Cedar Ave., has had plans prepared for erection of \$50,000 school and convent.

Architects Ballinger & Perrot, 1211 Arch St., are preparing plans for one-story and basement church, at Tioga and F Sts., for St. Philip's M. E. congregation.

E. A. Wilson, Land Title Bldg., architect, is preparing plans for a four-story apartment house and twenty-nine three-story dwellings, at Fortyninth and Walnut Sts., for Calvin W. Rogers.

Architect H. J. Wetherill, 328 Chestnut St., is preparing plans for reconstruction of the residence at No. 1501 Spruce St. into offices and apartments for Dr. R. F. Wood.

Architect Oliver Randolph Parry, 1723 Chestnut St., is designing one-story church at corner of Fifty-first and Brown Sts. for Christ congregation.

PHILADELPHIA.—Philadelphia Club, Thirteenth and Walnut Sts., is considering erection of \$250,000 modern club house at Broad and Walnut Sts.

PITTSBURG.—C. J. Keller will have \$20,000 brick and stone residence erected on Solway St. from plans being drawn by M. Nirdlinger, Diamond Bank Bldg.

Architect Thomas Pringle will erect residence on Parkman Ave.

Architects Jannsen and Abbott, Ninth and Liberty Aves., are planning \$50,000 stone residence to be erected on Woodland Rd. for J. L. Kendall.

Architects George Orth & Brother, 341 Sixth Ave., have pre-

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liminary plans prepared for erection of brick and steel warehouse for Oil Well Supply Co. on Twenty-sixth St.

PITTSBURG.—R. D. Nuttall Company will erect \$1,000,000 plant at Claremont.

READING.—Franklin Brass Foundry Co. is planning to erect modern factory at terminus of Schuylkill Ave.

RIDLEY PARK.—Borough is considering erection of Carnegie Library. Frank D. Kane, Clerk of Council.

SCRANTON.—Plans have been prepared by Architect John J. Howley for home for the Catholic Women's Club at Wyoming Ave. and Mulberry St.

SWARTHMORE.—Citizens have voted \$60,000 bonds for erection of school.

RHODE ISLAND

PROVIDENCE.—City Hospital Commission has approved preliminary plans for erection of proposed tuberculosis building at City Hospital.

SOUTH CAROLINA

GREENVILLE.—Hotel, cost \$20,000, will be erected on McBee Ave. A. A. Gates is interested.

LAURENS.—Laurens Glass Works Co. will erect plant. N. B. Dial, President.

SOUTH DAKOTA

LEAD.—Bids will be received until 3 p. m. Dec. 14, by James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., for construction, complete, of proposed postoffice.

TENNESSEE

CHATTANOOGA.—J. C. Howell will erect residence in Fort Wood District. J. G. Barnwell and C. T. Jones, architects.

KNOXVILLE.—Railroad Y. M. C. A. is considering erection of building at Broadway and Depot Ave. A. C. Van Camp, Secretary.

TEXAS

DALHART.—First National Bank will erect \$25,000 brick block at Third St. and Denrock Ave.

DALLAS.—Dallas Coffin Co. will erect factory and warehouse at Lamar and Belleview Sts. Cost, \$75,000. C. W. Bulger, Praetorian Bldg., Architect.

Pythian Library Association has decided to erect four-story \$25,000 hall. E. C. Blesi, Chairman Special Committee.

Erection of addition, cost \$150,000, to St. Paul's Sanatorium is being considered.

GREENVILLE.—C. B. Jones and Will Wise will erect three modern brick buildings on North Stonewall St.

GREENVILLE.—J. M. Gee, Mrs. Lizzie Mitchell and Mrs. Bertha V. Samuell will at once rebuild structures destroyed by fire.

KINGSVILLE.—Brownsville Road will erect six-story office building.

LINDEN.—City has decided to erect new high school.

McKINNEY.—Preliminary plans have been prepared by Supervising Architect Jas. Knox Taylor, Treasury Dept., Washington, D. C., for erection of proposed \$60,000 post office.

ORANGE.—Y. M. C. A. is considering erection of \$5,000 building.

PALESTINE.—Hotel Committee of Board of Trade is conferring with H. H. Franko regarding proposed erection of hotel.

SHERMAN.—Key Memorial Church is considering erection of edifice on East Houston St.

VICTORIA.—Methodist Congregation has decided to erect edifice.

WACO.—Bids will be received until 22 p. m., Nov. 22, for erection of four-story reinforced concrete high school. J. C. Lattimore, secretary of School Board.

UTAH

MURRAY.—Erection of library is being considered. Philip Bentz, Mayor.

VIRGINIA

AMHERST.—Farmers' Educational and Co-operative Union will erect storage warehouse.

CHERRYDALE.—Albert Hale will erect residence. Harding & Upman, 729 Fifteenth St., N. W., Washington, D. C., Architects.

NORFOLK.—National Exchange Bank will erect bank building at Campbell Ave. and Jefferson St.

ROANOKE.—H. M. Miller, Architect, So.-West Va. Trust Bldg., is planning three fire houses for city; buildings to be of brick, steam heat, all modern conveniences and slate roof, and to cost \$6,000 each; same architect is also planning \$12,000 residence for S. B. Pace, hot-water heat, brick mantels and modern plumbing, exterior to be of stone and stucco; also \$6,000 residence for R. S. Williams.

WASHINGTON

SPOKANE.—The Ballard Plannery, Kuhn Bldg., has prepared plans for erection of building at Second Ave. and Stevens St. for Imperial Trading Co., 907 First Ave.

SPOKANE.—William Hankins will erect \$8,000 residence at Post St. and Twenty-second Ave.

Perry Prettyman is considering erection of residence at Grand View. Site purchased.

L. L. Cathcart will erect \$20,000 residence at Cliff Park.

SPOKANE.—Gus W. Roche and Geo. A. Heidinger are considering erection of four-story building at Washington St. and Second Ave.

New England Club of Spokane is considering erection of club house. About \$50,000 will be spent on building and grounds.

F. W. Schultz will erect \$100,000 brick block at Third Ave. and Walnut St.

Mrs. Mary Nolan will erect \$75,000 apartment house at Fourth Ave. and Monroe St.

Patent Holding Co. is planning to erect \$20,000 brick addition to plant at 118 Second Ave.

WISCONSIN

ANTIGO.—County Board will consider erection of jail.

EVANSVILLE.—Erection of depot is being considered by Northwestern Railroad. G. B. Vilas, Division Superintendent.

MADISON.—Architect A. C. Clas, 419 Broadway, Milwaukee, will prepare plans for improving Park Hotel.

MARINETTE.—Brunswick-Balke-Collender Co., Chicago, is considering erection of factory in this city.

MILWAUKEE.—Plans for residence for William Lale on Summit Ave. are being drawn by Architects Fernekas & Cramer, Pabst Bldg.

Architect C. J. Keller, Germania Bldg., has completed set of plans for \$7,500 frame flat building to be erected for A. P. Bour on Farwell Ave.

Architect H. J. Rotier, Goldsmith Bldg., is drawing plans for brick and stucco residence for B. O. Stearns, to be erected on Mineral Road.

MILWAUKEE.—Independence Lodge, F. and A. M., is considering proposition to build temple. Committee consisting of C. A. Gunn, L. J. Keerble and S. E. Tate is investigating.

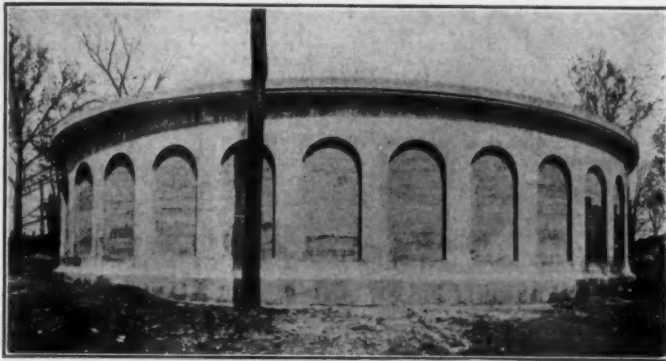
OSHKOSH.—State Board of Control has rejected as too high all bids for construction of the new building at hospital for criminal and violently insane. State provided \$100,000.

SUPERIOR.—Attorney Victor Lindley will erect building at Thirtieth St. and Ogden Ave.

SUPERIOR.—Architect Carl Wirth is considering erection of residence on Broadway.

Architect Howard Thomas is preparing plans for erection of two-story office and store building at 1111 Tower Ave.

St. James Episcopal Church is considering erection of rectory on East State St.



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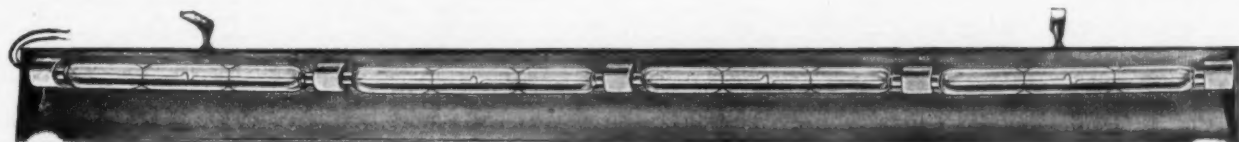
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Figure No. 108



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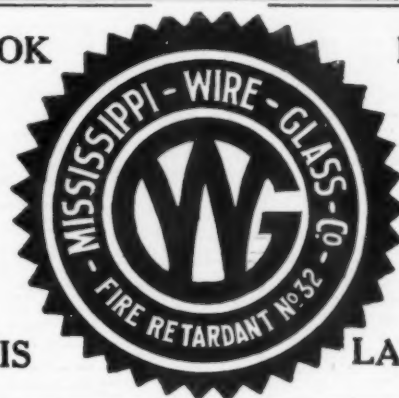
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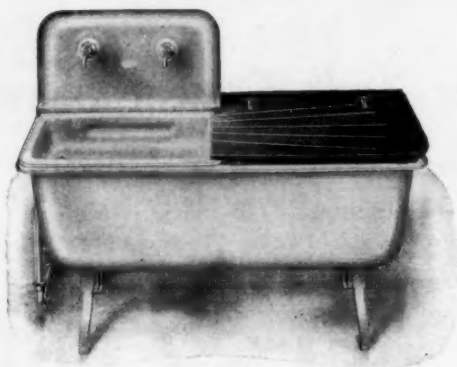


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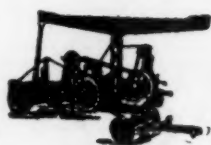
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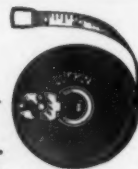
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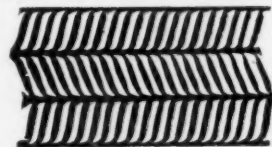
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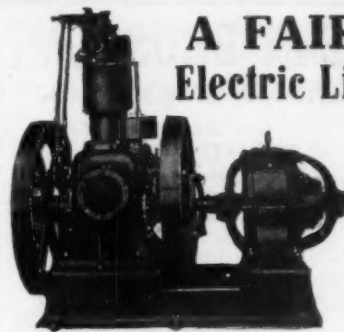
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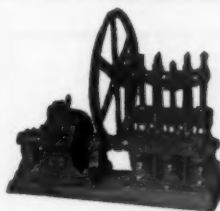
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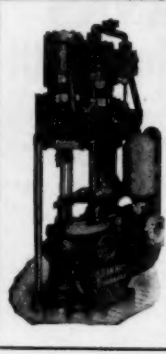
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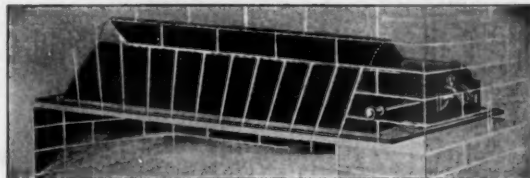


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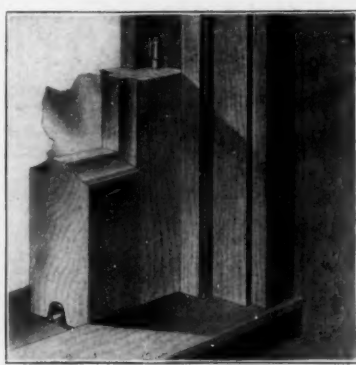


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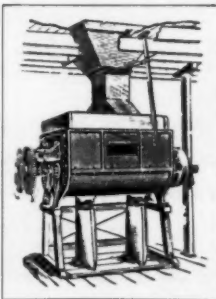
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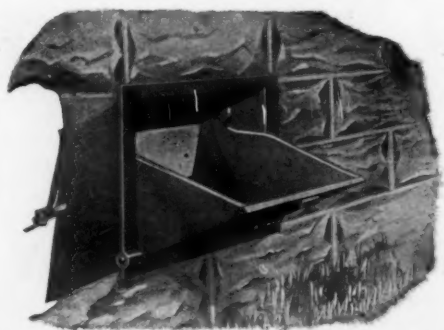
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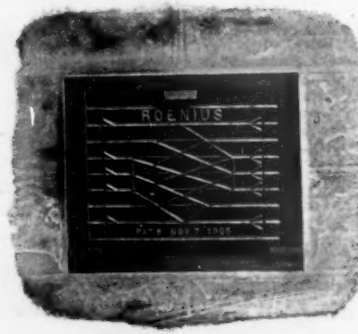
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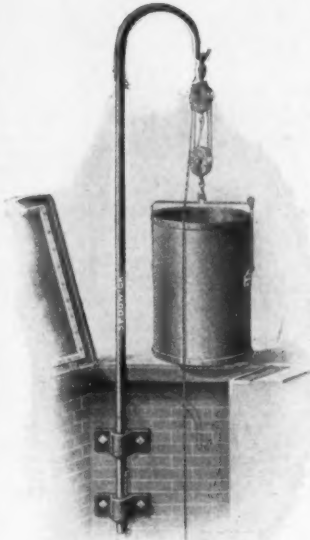


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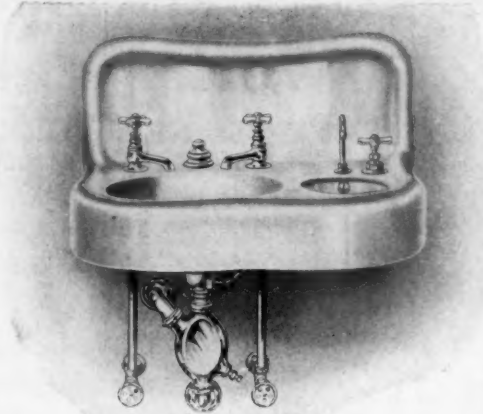
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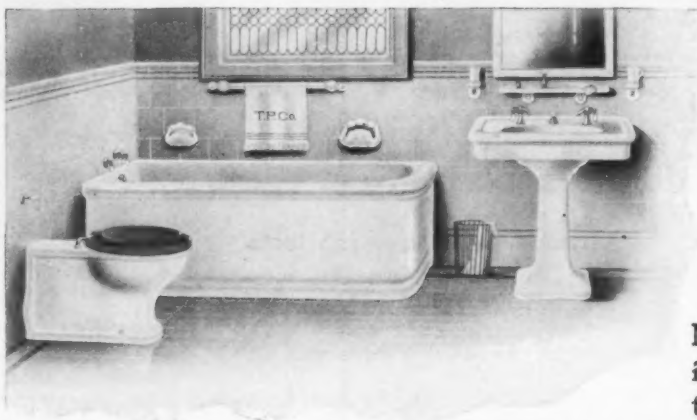
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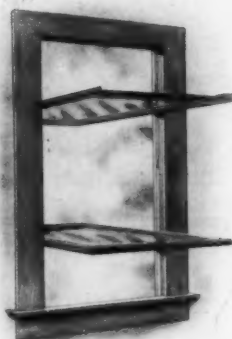
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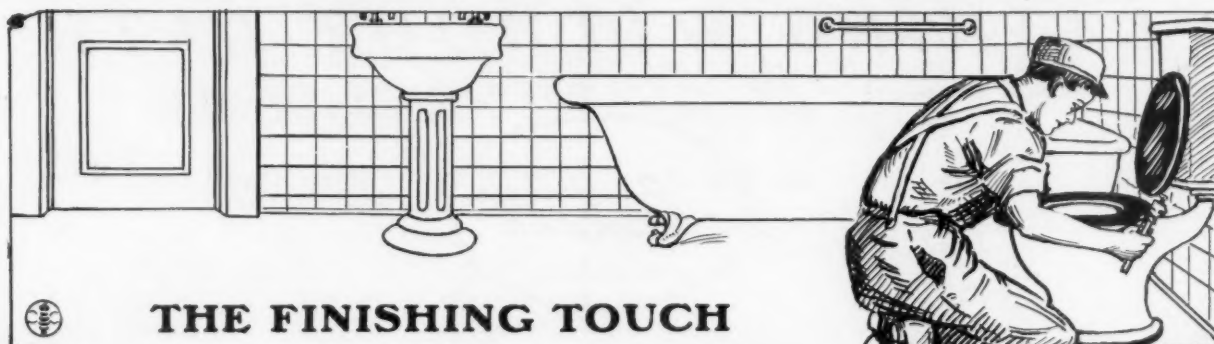
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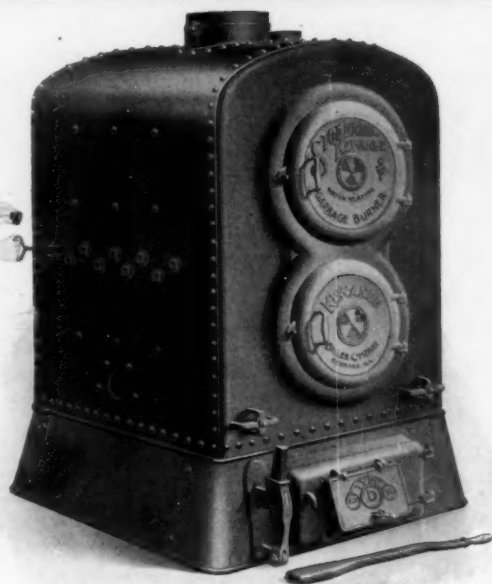
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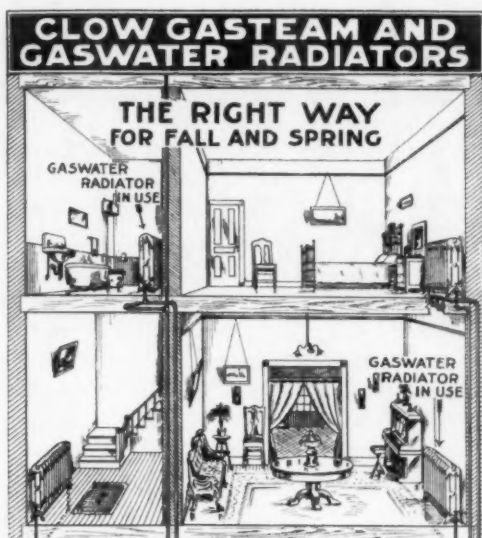
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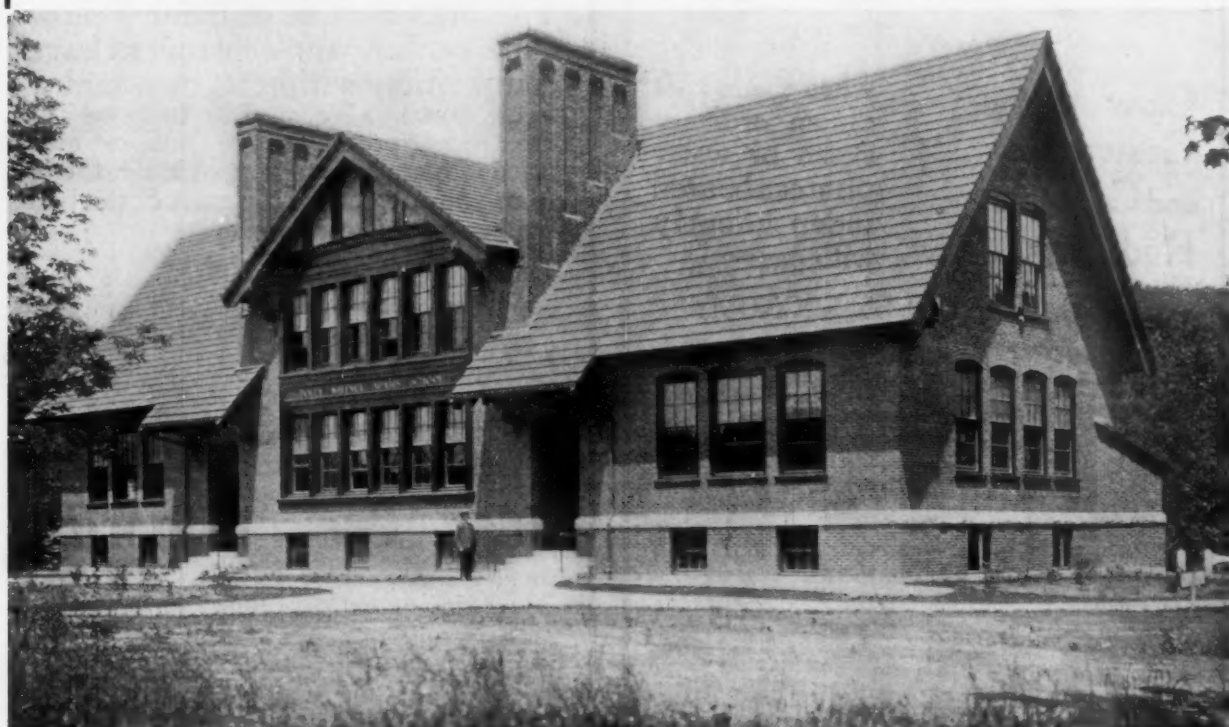
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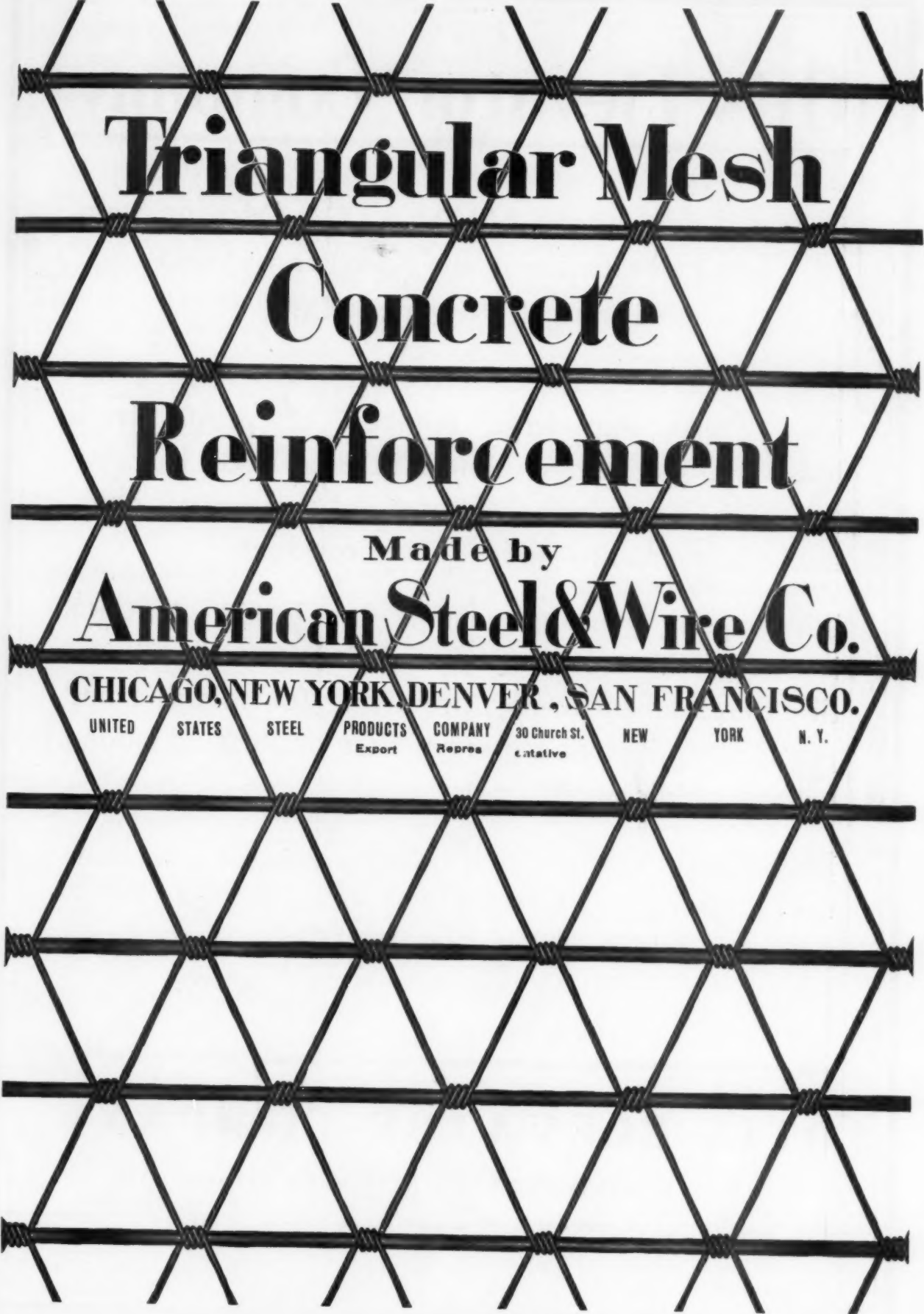
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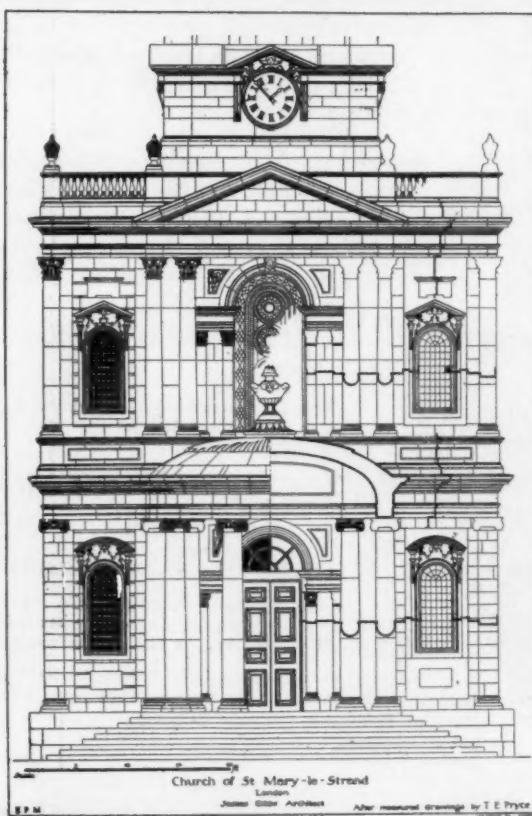
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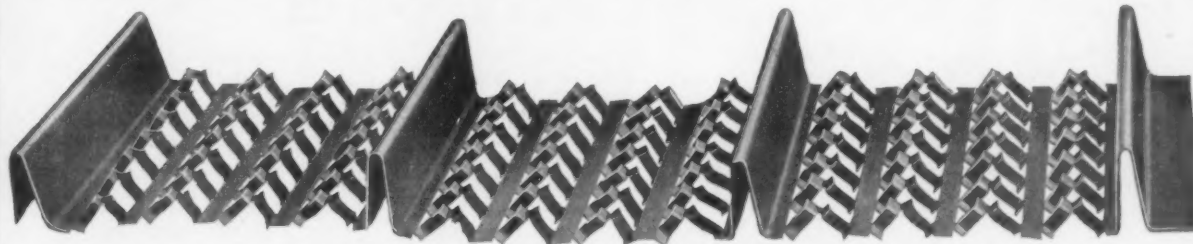
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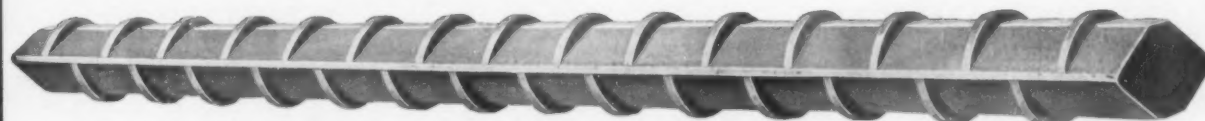
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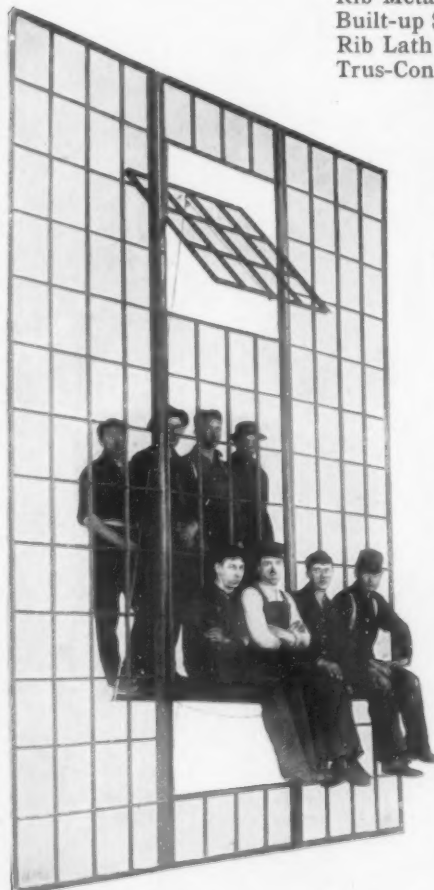
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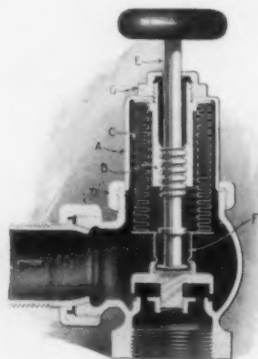


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CURRENT NEWS *and* COMMENT

NEWS OF THE CHAPTERS AND SOCIETIES

MONTHLY MEETING MICHIGAN CHAPTER, A. I. A.

Meeting was called to order on October 4, at 6.30 p. m.

The Committee on Legislation, through Mr. Stratton, stated that the Building Code for Detroit was now practically agreed upon by the City Council Committee and the City Counselor, and would probably be legalized to come in force for the coming year.

The Committee on Lectures was authorized to expend the sum of fifty dollars for a public lecture on a subject pertaining to architecture, the lecture to be given in the Museum of Art under the auspices of the Michigan Chapter.

The Committee on Education was requested to report at the next meeting on the question of University Extension work, a subject brought before the Chapter last year.

The Committee on Contracts reported that the new contract form prepared by the Institute was now in the hands of the printers and would soon be available for use by members.

The application of Mr. John W. Case, A. A. I. A., late of the Illinois Chapter, was received, and as a former member of this Chapter, he was unanimously reinstated.

The Chapter being advised that Mr. William B. Stratton had been nominated by the directors of the Institute for advancement from Associate to the Fellowship grade, the Secretary was instructed to express to the directors the appreciation of this Chapter of their action and the cordial endorsement of the candidature of Mr. Stratton.

A recommendation from the Institute "that the several Chapters exercise a watchful guardianship over masterpieces of architectural art within their territories to the end that works of exceptional and abiding interest be not wantonly transformed or destroyed" was referred to the directors.

The intimation from the Institute that the question of Chapters issuing independent schedules of charges must be referred to the Committee on Chapter Relations was also referred to the directors.

The request of the Secretary of the Institute that the Michigan Chapter define what they consider their territory and whether, in the interests of the Institute, it should be curtailed or enlarged was referred to the directors.

Complying with the conditions of the Institute code governing competitions, requiring the appointment of a sub-committee from each chapter, with power to enforce the code, the president named this committee as follows: William B. Stratton, Chairman; James S. Rogers, A. W. Chittenden.

SPOKANE ARCHITECTURAL CLUB

The Spokane Architectural Club, whose recent organization was noted in these columns, is securing the cordial support of the profession in Spokane, and its membership at the last meeting was increased by the election of twenty-five of the senior architectural draftsmen located in that city.

The great value of organization of this character can-

not be overestimated and THE AMERICAN ARCHITECT will be glad at all times to place before its readers such items of interest as to meetings and proposed ideas for the advancement of professional intercourse as may be sent to it.

LECTURES BY MR. OLIVER W. HOLMES

Atelier Ware, New York, gave a reception to Mr. Oliver W. Holmes on the evening of November 12. Mr. Holmes has been abroad for the past eleven years, engaged in architectural research. He has accepted the invitation of the Atelier Ware to deliver a series of free lectures, descriptive of his work abroad. The members of other Ateliers are cordially invited by Atelier Ware (118 E. 28th street) to attend these lectures.

STATE LAW GOVERNING ARCHITECTS

At the annual meeting of the Texas Association of Architects, held at San Antonio, November 10, a State law requiring the examining and licensing of architects was advocated.

PERSONAL

Mr. Jack Head, architect, Atlanta, Ga., announces that he has moved his offices to the Candler Annex.

Mr. Laurence Clark, Architect, informs us that he has moved his offices to the Witherspoon Building, Philadelphia.

Messrs. Foltz & Parker, Architects, Indianapolis, Ind., announce the dissolution of their partnership. Mr. Foltz will occupy offices in the Indiana Pythian Building and Mr. Parker in the Traction Terminal Building.

Mr. J. Frank Collins announces that he has opened offices for the practice of architecture in the Harris Building, Spartanburg, S. C. Manufacturers' catalogues and samples desired.

Messrs. DeArmond & Ashmead state that they have formed a partnership with Mr. George Howard Bickley, lately with Mr. Horace Trumbauer, and will continue the practice of architecture, with offices at 618 Chestnut street, Philadelphia.

David N. Ray, C.E., Sc.D., has been appointed Chief Engineer of Buildings for Manhattan, New York City, after competitive test. Mr. Ray is a graduate of the Columbia University School of Architecture, and has the Doctorate from New York University.

OBITUARY

THE CLOSE OF A NOTEWORTHY CAREER

Mr. Philip Corbin, president of the American Hardware Corporation and the founder of the firm of P. & F. Corbin, died at his home in New Britain, Conn., on November 3, at the ripe age of 86 years. Mr. Corbin was born in Millington, Conn., and his native state has always been the scene of his activities. As the founder of a great industry, he fully measured up to its every responsibility, and he died in the possession of the respect and confidence of every one with whom he was associated. His policies will be continued.

BOOK NOTES

THE DIGRESSIONS OF V. Written for his own fun and that of his friends, by Elihu Vedder. Containing quaint legends of his infancy, an account of his stay in Florence, the Garden of Lost Opportunities, return home on the track of Columbus, his struggles in New York in war time, etc., etc.; Tamperings with Literature, Struggles with Verse, and many other things, being a portrait of himself from youth to age. 500 pp., 6½ x 9 inches; full cloth. Price, \$6.00. Boston, Mass.; Houghton, Mifflin Company.

It is seldom that the reading public has been enabled to secure so intimate an acquaintance with a celebrity as Mr. Vedder has made possible in this book, which, with characteristic humor, he entitles "The Digressions of V." And the title is aptly chosen, for the gifted author certainly digresses on every occasion to take his reader into his confidence and to share with him an intimate acquaintance with men and places.

To appreciate the importance of this book it is well to remember that aside from a well-developed power of description and literary charm, Elihu Vedder stands in the front rank of American painters. He is an academician of 45 years' standing in the National Academy of Design, a member of all the important artistic societies in this country, and his work forms part of the decorative treatment of many of the most important buildings erected in America. His beautiful mosaic "Minerva" and five decorative panels are part of the decorations in the Congressional Library.

While he has in no place throughout the book egotistically referred to his wide acquaintance with famous men and women of his time, as is so often the case in autobiographical writings, one is enabled in reading the book to obtain intimate acquaintance with celebrated personalities, sketched in Mr. Vedder's very readable style.

We read and learn of Walt Whitman, Charlotte Cushman, Ole Bull, Artemus Ward, Bayard Taylor, W. H. Rinehart, John La Farge, Walter Savage Landor, and other equally interesting and famous men. These sketches, together with the opportunity the author affords the reader to study his own personality, make delightful reading to the man who has passed the half century mark. The names above referred to will cause the reader to grow reminiscent of the best exponents of the arts of literature, painting and the drama of his youth, and to the present generation serve to prove that "there were giants in those days" as well as in these.

The book presents so many phases of the painter's and sculptor's art, travel, anecdote and experience, that to touch on them all would be to practically present a table of contents of the work.

We regard the book as more than worth while—in short, no man who wants to keep in touch with the latest and best of modern bookmaking can spare it from his library. It not only recites the record of a well-spent and fruitful life, but it is an accurate history of contemporaneous art and letters that should not be overlooked in our reading.

Aside from its literary charm, "The Digressions of V." as a book is a masterpiece of the printer's art. It is lavishly illustrated from hundreds of reproductions of Mr. Vedder's paintings, sketches, etc., used in such a

way that they not only embellish but actually illustrate the text.

The cover design, a beautiful thing in itself, the various head and tail pieces, and the many small decorative panels throughout the work are in themselves a valuable collection and enhance the value of this book.

OXFORD AND CAMBRIDGE DELINEATED. By Hanslip Fletcher, with introduction by J. Willis Clark, M. A. Registrar of the University of Cambridge, and notes by various writers. 4to buckram, 290 pages, 61 illustrations. Net. \$6.00. London: Sir Isaac Pitman & Sons, Ltd. New York: Wessels & Bissell Co.

The atmosphere of learning that surrounds all college centers is, perhaps, more apparent at Oxford and Cambridge than at any other college in the English speaking world. To the student its halls and schools present a mecca of college life, typifying all that can be desired in a higher education. Aside from their position in collegiate history Oxford and Cambridge have traditions of architecture that afford opportunity for the widest research in that type of Gothic architecture termed "collegiate," and which has served as a standard for emulation to many designers of college buildings in this country.

Mr. Fletcher's drawings present in a graphic way the main points of architectural interest for which these colleges are noted. With rare good judgment he has omitted sketches of the more prominent and most commonly illustrated motives, and has confined his work to the delineation of such details as are generally overlooked but which to the architect are, perhaps, of greater interest than the ensemble.

Mr. Fletcher's ability to set down what he sees, and, what is, perhaps, even more important, to see the salient thing before him is unquestioned. These sketches in themselves, if bound separately, would be worth the price of the entire book, as while they possess an artistic charm they also combine an architectural accuracy that makes them valuable for purposes of study. A characteristic rarely met in a sketch in black and white is its ability to suggest color. Even men whose work as etchers have received recognition have not been able to command this, and their excellence has been in a keen appreciation of form and proportion at the expense of color suggestiveness. While Mr. Fletcher does not always secure in his work this desirable impression of color, his porch of St. Mary the Virgin, at Oxford, and Merton College—Mob Quad,—are very skillfully rendered.

The text, aside from a lengthy introduction on the origin and growth of Oxford and Cambridge, by Mr. John Willis Clark, consists of short articles on the various colleges by different contributors.

The architect will find this volume worth serious perusal, and its illustrations helpful and suggestive in practice.

THE EVOLUTION OF ITALIAN SCULPTURE. By Lord Balcarres. With illustrations. Full cloth, 340 pp., size 7 x 10. Price \$6.00 Net. New York: E. S. Dutton & Co.

To designate that period in art which began about

the twelfth century as the Renaissance was particularly fitting. It was in every sense a new birth in art, and from that time grew year by year, culminating about the fifteenth century, an achievement in plastic art that left to posterity a number of masterpieces matchless in their conception of composition, and unsurpassed in their masterly modeling.

For eight hundred years the noble art of sculpture, which had its birth in Greece and its adoption and, perhaps, greater magnificence in Rome, lay somnolent. The world was ravaged with wars and religious intolerance spread throughout the then civilized globe. The art of sculpture, that splendid adornment of architecture, seemed to have passed forever, and it was not until the Italian sculpture, which first began to attract attention about 1150 A. D., heralded the new birth of this noble art.

Lord Balcarres set himself a strenuous task in the writing of this work. He says in his preface, "The following pages attempt to deal with the whole basis of plastic art in Italy, recording the fundamental stages of progress, and analyzing the methods, theories and ideals of the various schools of sculpture."

To carry out faithfully so exhaustive a programme in a volume of the present size would be difficult of accomplishment, but the author has combined with close study and wide knowledge of his subject a literary style that makes the work an interesting and instructive one, if not as entirely exhaustive as was intended.

ESTIMATE AND COST DATA RECORD

Doubtless the systems of accounts in use in the offices of large building and architectural offices provide accurate knowledge of the differences between estimated and actual cost in the lump, and, in many cases, of the major items of construction. It may be questioned if these systems show accurate relation between the *estimated and actual cost of each item of construction*. When these can be accurately known and properly tabulated it will be readily seen that the builder will have at hand a most useful guide in estimating future costs. Not one based on an author's composite expense of a number of buildings of the same type, but of actual jobs, executed under the builder's supervision and with every contingency during the progress of construction known and considered.

A practical and useful form for estimating and correctly noting costs is a series of books published by the Builders Auxiliary Co., Old South Building, Boston, Mass.

Every possible item, commencing with the site, the excavation and foundation, and through the various details of masonry, steel, cast and ornamental iron and sheet metal, etc., has its separate lines, with parallel columns for estimated and actual cost.

With these very complete sheets of cost data are furnished equally complete time-books and material books, classified and indexed. The whole set presents a practical and accurate guide for the builder and an examination will demonstrate their value in practical accounting. The price of the set is \$5.

INDUSTRIAL INFORMATION

PRIVATE BRANCH SWITCHBOARDS

In laying out utilities or floor plans architects have oftentimes found it difficult to assign a satisfactory location to private branch switchboards.

In the earlier forms of switchboards, when they were permanently fixed by reason of wire attachments, it became necessary to locate these boards where easy access back and front was possible.

While several of the more modern designs have provided better facilities for access for repairs and the attachment of new wires, The Stromberg-Carlson Telephone Mfg. Co., of Rochester, N. Y., believe that they have perfected a new model switchboard that overcomes all objections that have hitherto been found in these cabinets. The total floor space occupied is but 20 x 30 inches. These switchboards are so arranged as to admit of swinging the rear or back of the board on which the various parts of batteries, etc., are attached, while the keyboard, hinged at back, can be lifted and the lower front panel slipped out. The entire interior is then accessible and repairs can be made with ample room and light to facilitate the operation. All these boards are furnished wired to their full capacity, obviating the necessity for any extensive work when additional lines are added.

SAFEGUARDING THE CONSUMER

It would be interesting to know, as a basis for conservation, just what proportion of material is wasted or inefficiently used through ignorance of its properties. Manufacturers realize this, particularly cement makers. Many a good product has been condemned through ignorance.

The Chicago Portland Cement Co., of 108 La Salle street, Chicago, have prepared a card and tag, the former for general distribution, the latter to affix to every sack of cement leaving their factory at Oglesby, Ill. On the card and tag is printed the following:

CONCRETE WEATHER BULLETIN

Don't let the weather deceive you—the days are warm, but the nights and mornings are cold.

Cold weather is not conducive to quick setting, and long-time sets mean slow hardening, thus reducing the strength of the concrete for a considerable period.

Mr. Contractor, as a precaution watch the weather—give your work ample protection, and—most important of all—heat the material and the water. This will insure satisfactory work.

"THE ARROW"

We have received from N. & G. Taylor Co., Philadelphia, Pa., copies of the four issues of "The Arrow," published thus far in 1910. This little publication—it is but 4 x 5 inches in size—is intended to advertise to the world the merits of the N. & G. Taylor Co.'s product and also to proclaim that this company has entered upon the second century of its existence.

Published primarily for circulation among architects and roofers, the contents of "The Arrow" are admirably edited, and with the attractively designed cover pages—each issue a different design—places the merits claimed for "Target and Arrow" roofing tin as a roof covering in an attractive way before the men who specify and apply for it.

Any architect or roofer desiring to receive "The Arrow" may have it on request.

J-M INSULITE

The H. W. Johns-Manville Co., 100 William street, New York, have added to the already large line of special manufactures a waterproofing material which they call "J-M Insulite."

This is an exceptionally strong, loosely woven burlap, impregnated with pure asphalt. Its use is by cementing together with J-M Insulite Waterproofing Cement several layers or plies of the burlap.

It is claimed that when several layers are thus placed together as indicated they make a waterproof course of such great strength, durability and elasticity that it has sufficient strength to remain intact and waterproof when ordinary cracks occur in the cement work.

Plans and information will be cheerfully furnished on request.

"JUICE"

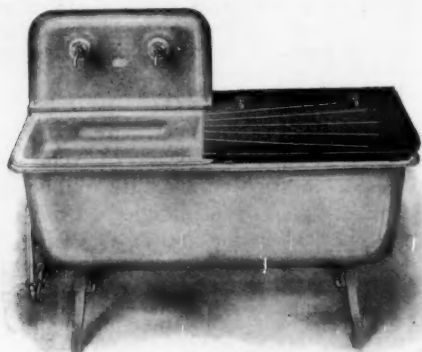
The monthly publication of the publicity department of the Pettingell-Andrews Co., Boston, Mass., bearing the title of "Juice," and intended to spread abroad live information about electrical goods, is devoted to an illustration of electrical lamps and novelties with particular reference to the approaching holiday trade.

Many styles of lamps of quaint forms, decorative lighting outfits for Christmas trees, with lamps simulating colored fruits and flowers and animal forms, electrical toys and novelties, besides the later designs in apparatus for cooking and heating by electricity are shown in this issue.

It is an attractive publication, and as it affords suggestions not only for the dealer but for the man who wants to add to his home comforts and amusements, it will be found worth asking for. It may be had on request.

A NEW ERA IN KITCHENDOM

Among the unique features of the Shively Sanitary Tenements, illustrated in *THE AMERICAN ARCHITECT* some time ago, is a combination fixture known as the "Spacesaver," made by the Spacesaving Appliance Co., 135 West Twentieth street, New York, which is well named, in that it combines a kitchen sink, a large hard-wood drainboard (the sink and drainboard forming



SINK AND DRAIN BOARD IN USE

covers for the tubs), two porcelain enameled iron laundry tubs, and bath tub if needs be.

While attractive in appearance and finish it is absolutely sanitary, the sink water having a separate outlet, so that no sink water enters the tubs.

It is a great saver of floor space, saving from 4 to 33

square feet, being able to conform to a space 26 x 48 inches.

The economy in plumbing is no little factor, for the three fixtures can be connected with two lines of pipe, one vent and one trap. The height of the sink is another feature, being higher than the usual kitchen



LAUNDRY TUBS IN USE

sink, which in most cases the architect must insist upon being placed higher than the manufacturer generally provides. The sink may be lifted from the back at will and cleaned as an ordinary utensil would be cleaned. The strainer is the only one in existence in connection with a sink which may be cleaned at will without the aid of skilled assistance; it therefore never gets clogged up as the sink of to-day will.

The weight of the sink is brought down to a few pounds, being made of steel, which accounts for its lightness, and yet it is strong and especially enameled to withstand hard usage. Heavy rubber bumpers are securely fastened to the sink so that should it fall through carelessness no damage will be done to the enamel. A special catch is provided for holding the sink when raised. The sink automatically finds the sink catch when in an upright position, and by lifting a simple adjustment the sink is released.

One compartment is large enough to bathe a child in. This will be appreciated by those having the care of children, as the regular bathtub is too low to bathe children in with comfort.

The drainboard is made of especially hardened wood, seasoned well and bolted through with two large brass rods, which prevents warping. Special lug hinges are provided so that the drainboard may be lifted from the backstrips at will, no adjustment being necessary in order to remove; thus the drainboard may be washed all over, the idea being to have open plumbing as far as possible where conditions would permit. The height of the tub is 32 inches, which is a moderate height, and is made to conform with regular fixtures now in use.

The use of such "spacesaving" devices has in this day made it possible to provide for the moderate-priced apartment fixtures which only a few years past were found almost exclusively in high-class apartments.

It is believed that the "spacesaver" will prove to be an attractive feature in this most carefully planned and largest operation of its kind in the world.

Catalogue fully illustrating this "spacesaver" and many other forms of spacesaving appliances may be had on request for Catalogue E, of the Spacesaving Appliance Co., 135 West Twentieth street, New York.



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on the roof there's not a chance in a thousand of the fire starting;—the embers simply can't burn through! It is wonderful protection where fires start inside, too, not alone acting as a barrier to the flames, but saving further destruction because it doesn't collapse. Every way you figure it, Tin is the BEST roofing for all purposes, and SCOTT'S EXTRA COATED is the BEST TIN. Made by improved American methods; hammered Open Hearth Base with rich, heavy coating.

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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

GADSDEN.—Rebuilding of Johnson House, destroyed by fire, is being considered.

GADSDEN.—Dr. C. L. Guice is making preparations to let contract for erection of \$6,000 residence on Forest Ave.

ARKANSAS

ASHDOWN.—Presbyterian Congregation has decided to erect brick edifice.

LITTLE ROCK.—Little Rock Lodge of Elks has perfected plans for erection of a \$60,000 home at Scott and Fourth Sts.

LITTLE ROCK.—Odd Fellows of Arkansas will erect proposed \$200,000 orphanage on Robbins farm, near Walnut Ridge.

PARAGOULD.—Plans are being prepared by Jas. K. Taylor, Washington, D. C., supervising architect, Treasury Department, for erection of \$50,000 Federal building.

CALIFORNIA

DURHAM.—School District has voted \$11,000 bonds for erection of school; plans by Architect James.

LOS ANGELES.—St. Mark's Lutheran Church will at once erect \$12,000 edifice at Thirty-sixth Place and Vermont Ave. Plans prepared. Rev. J. W. Ball, Pastor.

LOS ANGELES.—Directors of Children's Hospital are considering plans for new building, to be erected at corner of Vermont Ave. and Sunset Boulevard.

LOS ANGELES.—Plans have been prepared by Chief Building Inspector J. J. Backus for erection of proposed \$20,000 city hall annex.

OAKLAND.—Architect Jarvis Huntz has prepared plans for erection of \$150,000 passenger station at Sixteenth St. for Southern Pacific Railroad.

PASADENA.—Plans have been completed for a parish house to be erected by the West Side Congregational Church, and also for a thorough overhauling of the church building. About \$11,000 will be expended.

PLACERVILLE.—Citizens have voted \$125,000 bonds for erection of court house.

RIVERSIDE.—Hunt & Grey, 408 S. Springfield St., Los Angeles, will prepare plans for erection of \$100,000 edifice for First Congregational Church.

SAN FRANCISCO.—Plans have been completed by J. R. Miller, architect, Lick Building, for apartment house of six stories and basement to be erected immediately at corner of Sutter and Jones Sts.

VENTURA.—Norman F. Marsh, Broadway Central Bldg., Los Angeles, has been commissioned by Board of Trustees to prepare plans for \$75,000 reinforced concrete high school building.

COLORADO

PUEBLO.—School District No. 20 has voted \$225,000 bonds for South Side schools.

CONNECTICUT

HARTFORD.—Municipal Building Commission will open competition for designs to other architects than Brocklesby & Smith, who have received prize for drawing tentative plans.

NEW HAVEN.—Plans are being drawn for a store and tenement building on Collis St. for Gaetano Gazzlini.

NEW HAVEN.—Board of Education is considering plans for erection of large school on Clinton Ave., Fair Haven.

STRATFORD.—W. B. Tuttle will erect business block on his Center property.

WATERBURY.—Architects Allen and Williams, 82 Church St., New Haven, are receiving bids for erection of addition to Litchfield County Hospital on Spencer St.

DELAWARE

MILFORD.—New Methodist Protestant Church will erect edifice in near future.

WILMINGTON.—Brownson Library Association will enlarge and improve its hall at cost between \$10,000 and \$25,000.

DISTRICT OF COLUMBIA

WASHINGTON.—Architect Henry Vaughn, 29 Pemberton Sq., Boston, has prepared plans for erection of \$50,000 See House for Episcopal Diocese. Rev. Dr. Bratenahl, Rector of St. Alban's is interested.

Plans for the four new school buildings have been completed by Municipal Architect Snowden Ashford and are now being considered by the Board of Education; Normal School for whites, to be erected at Eleventh and Harvard Sts., Northwest, cost \$257,000; building at Eighth and T Sts., cost \$100,000; Ivy City School for negro pupils, \$45,000, and building at Fourteenth and Farragut Sts., \$65,000.

Church of the Blessed Sacrament has purchased site at Western Ave. and Patterson St., Chevy Chase, for erection of church.

WASHINGTON.—L. E. Breuninger will erect four three-story brick dwellings, cost \$30,000, at 1806 Wyoming Ave. N. W.

Alexander Millar is preparing to have constructed six two-story brick dwellings, cost \$20,000, on Adams Ave. N. W.

FLORIDA

JACKSONVILLE.—Board of Public Instruction will purchase site in Springfield for erection of school.

JACKSONVILLE.—O. P. Woodcock, G. W. Smith and others are considering erection of theater at Cedar and Forsyth Sts.

JACKSONVILLE.—State Board of Control is having plans prepared for \$40,000 mechanical and engineering building to be erected at University of Florida, Gainesville; also for three buildings, cost \$20,000, at Tallahassee.

ILLINOIS

CHICAGO.—County Treasurer John R. Thompson will erect \$80,000 theater on Milwaukee Ave. Marshall & Fox, 164 Dearborn St., Architects.

Alexander L. Levy, 112 Clark St., is preparing plans for three-story apartment building to be erected for Samuel Polakow on Douglas Blvd. Cost, \$150,000.

Alfred S. Alschuler, Fort Dearborn Bldg., has prepared the plans for building which La Verne W. Noyes is to erect at Michigan Ave. and Twentieth St.; also plans for \$90,000, six-story mill construction building to be erected by Central Manufacturing District, and plans for five-story building for M. L. Oberndorf & Co., at corner of Jackson Blvd. and Peoria St., to cost \$80,000.

MOLINE.—Architect H. W. Whitsett is preparing plans for erection of two residences to cost \$10,000 each.

INDIANA

HAMMOND.—Plans and specifications for \$225,000 industrial high school have been completed and accepted by Board of Education; contract will be let in December. Joseph T. Hutton, Architect.

INDIANAPOLIS.—Plans for building fire headquarters, police headquarters, city dispensary and city garage buildings adjoining new City Hall is being considered.

INDIANAPOLIS.—Architects Bacon & Griswold, 702-705 State Life Building, are drawing plans for erection of fourteen-story \$460,000 hotel building.

PERU.—Home Telephone Company, of Peru, will build \$10,000 home. Joseph Bergman, Dr. W. A. Huff and Dr. J. E. Yarling have been appointed to investigate plans.

IOWA

CEDAR RAPIDS.—Fidelity Realty Co. is considering plans for erection of building at Third Ave. and Second St.

DES MOINES.—Farley & Loetscher, Dubuque, are considering erection of large factory and warehouse in this city.

MASON CITY.—Chase Manufacturing Company will erect factory in southern part of city. Chas. F. Chase, president.

WATERLOO.—Mercantile Warehouse Co. is considering erection of building at Fifth and Commercial Sts.

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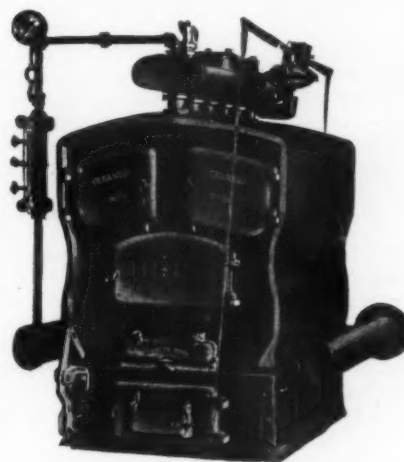
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KENTUCKY

LEXINGTON.—Garber & Woodward, Andrews Bldg., Cincinnati, Ohio, will prepare plans for erection of \$45,000 model school in the West End.

LOUISVILLE.—Dr. R. G. Tafel will erect a two and one-half-story frame and brick veneer residence at 1621 Windsor Pl. at a cost of \$6,150, and similar residence will be erected in same locality by George Schwartz at cost of \$5,200. Tobe Greiner, Jr., Architect.

LOUISVILLE.—St. Bridget's Catholic Church, Baxter and Hepburn Aves., for erection of \$60,000 edifice. Rev. Father H. W. Jansen, pastor.

LOUISIANA

NEW ORLEANS.—Geier Brothers' Building & Manufacturing Company will enlarge factory. Site at Plum and Poplar Sts. purchased.

NEW ORLEANS.—City Engineer W. J. Hardee is preparing plans for erection of \$30,000 market.

MONROE.—Architects have completed plans for the \$20,000 Baptist Church to be erected at St. John and Grammont Sts. in near future.

MAINE

ELLSWORTH.—Bids will be received until 3 p. m., Dec. 7, for erection of extension to post office. Jas. Knox Taylor, Washington, D. C., Supervising Architect.

PORTLAND.—Architects George Burnham, 120 Exchange St., and E. Leander Higgins have prepared plans for erection of proposed police station. Chas. A. Strout, Mayor.

MARYLAND

BALTIMORE.—Joseph Evans Sperry, architect, Calvert Building, has finished plans for new Baltimore Bargain House building to be erected at corner of Baltimore and Liberty Sts.

BALTIMORE.—Architect Otto G. Simonson, American Bldg., has been commissioned to prepare plans for erection of \$25,000 club house for Walbrook Athletic Association.

BALTIMORE.—Paul Emmert, 210 W. Fayette St., architect, has prepared plans for \$50,000 warehouse to be erected at Holliday and Saratoga Sts.

BALTIMORE.—E. J. Ellinger will erect four-story \$50,000 warehouse at Holliday and Saratoga Sts. Paul Emmert, 210 W. Fayette St., architect.

Archer & Allen, Central Savings Bank Building, architects for new Homestead Branch of Enoch Pratt Free Library, are finishing plans for proposed \$25,000 building.

J. M. Hubbard will build five two-story brick dwellings on Moreland Ave., to cost about \$10,000.

BALTIMORE.—Following architects have been invited to make competitive drawings for new home for the Woman's Exchange to be erected in connection with the present building at Charles and Pleasant Sts.: Emory & Nussear, Bayard Turnbull, Walter M. Gieske and J. E. Laferty; improvement will consist of remodeling the present home and building addition at a cost of about \$10,000.

The Canton Box Company is contemplating erection of \$50,000 box factory in connection with its plant at 2515 Boston St. Wilson L. Smith, Law Bldg., Architect.

William E. Coale is having revised bids for \$15,000 residence, to be erected at Overhill Rd. and Kittery Lane, Roland Park. Ellicott & Emmert, Union Trust Bldg., Architects.

Thomas C. Kennedy has finished plans for \$10,000 bungalow to be erected on Severn River, near Annapolis, for L. I. Turner.

William H. Carter has accepted plans by Jacob F. Gering for eight two-story brick dwellings to be erected on Eighth St. Cost, about \$24,000.

Plans for \$25,000 warehouse to be erected at Central and Fairmount Aves. for Eugene Blake have been finished by Henry J. Tinley, Architect.

ELKRIDGE.—Plans for \$12,000 Grace Church are about finished and bids will be invited at once.

MASSACHUSETTS

EAST NORTHFIELD.—Dormitory will be erected at Moody School for Girls.

HOLYOKE.—Hampden Glazed Paper Co. will erect four-story addition to mill near Riverside Station.

WAKEFIELD.—Town is considering purchase of site for erection of \$50,000 library.

MICHIGAN

DETROIT.—Architect C. F. J. Barnes, Tolsma Building, is preparing plans for a block of six stores with flats above to be erected at Hastings and Watson Sts.

The Universal Motor Truck Company will build \$40,000 plant at Theodore and Dequindre Sts. Designs by Louis Kamper, Fine Arts Building.

DETROIT.—Plans by Stratton & Baldwin, Union Trust Building, have been accepted for erection of branch library at Dix Ave. and Boulevard; also plans by B. C. Wenzel & Company, Hammond Building, for building at Warren Ave. and Boulevard. Total cost \$50,000. R. Phelps, secretary Public Library Commission.

KALAMAZOO.—Goodale Estate is considering erection of building on S. Burdick St. J. C. Goodale, Jr., is interested.

MENOMINEE.—Architect Derrick Hubert has recommended the building of one large school building on modern lines to replace three small buildings.

MONROE.—J. H. Reaper, 52 Humphrey St., has had plans prepared for \$20,000 theater to be erected at Front and Bridge Sts.

SAGINAW.—Plans are being completed for erection of additions to plant of Saginaw Plate Glass Co.

MINNESOTA

DULUTH.—Northern Brewing Company has had plans prepared for erection of several additions to plant, including \$40,000 bottling plant.

EVELETH.—Local Eagles are having plans prepared for erection of \$15,000 two-story building.

ST. PAUL.—Capitol City Hebrew free school is considering purchase of site for erection of school. N. Blumenthal, president.

ST. PAUL.—Trinity M. E. Church of Merriam Park will have plans prepared for erection of edifice at Dewey St. and Marshall Ave. Rev. O. W. Taylor, Pastor.

MISSISSIPPI

LUCEDALE.—Board of Supervisors, after considering plans of nine architects for the court house and jail, has adopted those of McCrary & Slater, Mobile, Ala.

MISSOURI

COLUMBIA.—Architects Cope & Stewardson, Security Building, St. Louis, have prepared plans for erection of \$15,000 building for State University.

EXCELSIOR SPRINGS.—Jackson & McIlvain, Dwight Building, Kansas City, are preparing plans for proposed \$25,000 concrete fireproof hotel to be erected by I. J. Ringolsky & J. H. White, owners of Elms Hotel.

KANSAS CITY.—Hoyt-Ballentine & Kelly Investment Company, Finance Building, is considering erection of building at Sixth and Wyandotte Sts. A. T. Kneisley, representative.

J. M. Goldsmith, 9 W. Ninth St., is considering erection of business building.

SPRINGFIELD.—Citizens will vote December 5 on \$100,000 bonds for erection of city hall and on \$75,000 to erect and equip two fire stations. R. E. Lee, Mayor.

ST. LOUIS.—Memorial Congregational Congregation, Rev. Wm. Smith, Pastor, will erect edifice at Victoria Ave. and Graham St.

MONTANA

PHILIPSBURG.—Citizens have voted \$50,000 bonds for erection of court house.

NEBRASKA

HASTINGS.—St. Cecelia's Congregation is considering erection of \$42,000 church.

OMAHA.—Omaha Tent & Awning Co. is considering erection of building. Site purchased.

RUSHVILLE.—Citizens have voted to erect jail and sheriff's residence.

NEW JERSEY

BLOOMFIELD.—Board of Education has rejected all bids for proposed new high school, and instructed the architect and building committee to revise plans so that they will come within the appropriation of about \$150,000.

EAST ORANGE.—Board of Education has instructed Architects Guilbert & Betelle to submit rough plans for erection of school in Elmwood District.

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STAIRWAYS

THE WINSLOW BROS. CO.

NEW YORK—CHICAGO—LOS ANGELES

AGENCIES IN ALL PRINCIPAL CITIES

ELIZABETH.—Frederick Gennrich has plans out for erection of three-story frame flat and brick stable.

JERSEY CITY.—From plans as prepared by Architect William H. Bogart, 712 Bergen Ave., \$70,000 storage warehouse building will be erected on Harrison Ave. for Joseph Newman & Brother, 246 Washington St.

JERSEY CITY.—Samuel Allerton, Chicago, is interested in proposed erection of abattoir at Provost and Sixth Sts.

MONTCLAIR.—Board of Education is considering plan prepared for erection of \$200,000 addition to high school.

NEWARK.—S. H. Thorpe, of Elizabeth, has had plans drawn by H. King Conklin, 45 Clinton St., for \$9,000, three-story brick and limestone apartment building, for three families, which he contemplates erecting at 29 Myrtle Ave.

NEWARK.—Alliance Investment Co. will erect a \$7,000 brick building for store and apartment at Market and Jackson Sts. after plans by Hughes & Backoff, 22 Clinton St.

Architects John H. and Wilson C. Ely, 800 Broad St., are preparing plans for erection of \$16,000 colonial residence at 568 Mt. Prospect Ave. for Harry L. Duren.

PERTH AMBOY.—Barber Asphalt Paving Co. will erect \$1,000,000 asphalt oil refinery on Woodbridge Creek.

WEST HOBOKEN.—Erection of town hall is being urged.

NEW YORK

BROOKLYN.—Bids will be received until 3 p. m., Nov. 28, by C. B. J. Snyder, Superintendent of Buildings, Department of Education, for the general construction, etc., of new P. S. No. 471, on Ridgewood Ave.

BROOKLYN.—Board of Education has decided to purchase site at Hillside and Fairview Ave., Corona Heights, for erection of school.

BROOKLYN.—City is having plans prepared for erection of public hospital at Livonia Ave. and New Lots Rd.

DEER PARK, CATSKILL MOUNTAINS.—Architect Horace Greeley Knapp, 123 Liberty St., New York City, has prepared plans for and will superintend erection of \$30,000 hotel, to be known as "Deer Park Inn," for Frank J. Welton.

NEW YORK.—American Transfer Co., 641 Washington St., will erect \$30,000 brick stable at 28 Little West Twelfth St. John M. Baker, 21 Jackson Ave., Queens, architect.

Louis E. Levy, 216 Boston Rd., will erect two one-story brick dwellings and stores on Third Ave. Cost \$10,000. M. T. Garvin, 3307 Third Ave., architect.

Freehold Construction Company, 200 Broadway, H. W. Perelman, president, will erect one-story brick stores, cost \$10,000, on Prospect Ave. Bernstein & Bernstein, 24 E. Twenty-third St., architects.

Preliminary designs have been approved by Municipal Art Commission for public school building, to be erected in E. Twelfth St., cost \$300,000; public school building in Randolph Ave., Bronx, at a cost of \$275,000, and school at Pacific and Union Hall, Jamaica, Queens, \$200,000; also designs for proposed layout of Randall's Island; buildings include fifteen groups of cottages for patients, power house, laundry, reception hospital and administration buildings.

T. E. Crimmins, Seventy-seventh St. and Broadway, will erect \$10,000 store building on Broadway. Waldrehon & Bienuix, Cooper Union, architects.

Coleman Construction Company, 20 Vesey St., will erect \$30,000 four-story brick office and store building. Rouse & Goldstone, 12 W. Thirty-second St., architects.

Gingold Realty Co., 10 W. Forty-second St., will erect six-story apartment house on Amsterdam Ave. Cost, \$400,000. J. C. Watson, 217 W. 125th St., architect.

Napoleon Levy, 27 Pine St., will erect two-story brick stores and offices on Tremont Ave. Cost \$20,000. Schaefer & Jaeger, 401 Tremont Ave., architects.

John C. Gartelma, 2521 Grand Ave., will erect two one-story brick dwellings, cost \$12,000, on Townsend Ave. John Brandt, 271 W. 125th St., architect.

Rouse & Goldstone, architects, 12 W. Thirty-second St., have filed plans for erection of three-story brick store and offices on Tremont Ave., cost \$50,000, for Mary M. and Chas. H. Barson, 2366 Crotona Ave.

Park Department has had plans prepared for erection of \$10,000 model playhouse on 101st St. Howard Bradstreet, supervisor of recreation.

NEW YORK.—Henry Lowenthal, 1206 Fifth Ave., will erect four-story brick dwelling at 5 Coster Ave. E. L. Ellis, 1133 Broadway, Architect.

Kreymborg Architectural Company, 908 Jennings Ave., has filed plans for erection of number of apartment houses and stores.

Wales Ave. Construction Co., 230 Grand St., will erect four one-story brick stores and dwellings on Wales Ave. Chas. B. Meyers, 1 Union Sq. West, Architect.

NEW YORK.—C. Stahl, 2332 Third Ave., will erect \$15,000 brick factory and office building on 127th St. F. H. Beneker, 195 Claremont Ave., Architect.

Architect John P. Boyland, 103 E. 125th St., has filed plans for erection of number of apartment houses.

Church Extension Committee of Presbytery of New York, 29 W. Fifty-fourth St., will erect \$50,000 church on 153d St. Ludlow & Peabody, 12 W. Thirteenth St., Architects.

Caroline M. Schumann, 245 E. 138th St., will erect twelve two-story brick dwellings, cost \$60,000, on Sheridan Ave. Henry Nordheim, 1087 Tremont Ave., Architect.

Gottlieb Heller, 1010 Hoe Ave., will erect \$8,000 dwelling on Commonwealth Ave. A. E. Davis, 258 E. 138th St., Architect.

NIAGARA FALLS.—Funds are being secured for erection of convention hall. G. W. Knox, president Board of Trade, is interested.

PITTSFIELD.—Morningside Baptist Church has decided to erect \$40,000 edifice at Grove and Taylor Sts.

ROCHESTER.—Enlargement of school No. 35, in Field St., will be considered by Board of Education.

Second Baptist Church has decided to purchase site on East Ave. for erection of edifice.

SYRACUSE.—Hogan & Rafferty have commissioned Architect Edward A. Howard to make plans and specifications for extensive improvements on block at corner of S. Salina and E. Washington Sts.

SYRACUSE.—Syracuse Safe Co. will enlarge building at E. Water and Orange Sts. Louis Aaron, President.

WALDEN.—Architect F. E. Estabrook, Newburgh, has prepared plans for erection of \$20,000 bank and office building at Ulster Ave. and Bank St.

WINGDALE.—Bids will be received until Dec. 15, noon, for erection of proposed \$2,000,000 prison. W. J. Beardsley, 42 Market St., Poughkeepsie, architect.

NORTH CAROLINA

MONROE.—Hook & Rogers, Charlotte, are preparing plans for erection of county home for Union County.

WINSTON-SALEM.—West End M. E. Church will erect \$50,000 edifice. Plans prepared. Dr. W. E. McMurray, Chairman, Church Extension Board.

NORTH DAKOTA

BISMARCK.—Sisters of St. Alexius Hospital are considering erection of \$100,000 building.

DICKINSON.—Messrs. Reichert & Ray, owners of the St. Charles Hotel, Villard St., have completed plans for building \$30,000 addition to hotel.

J. V. Jessen is considering erection of two-story brick block at Villard St. and First Ave. West.

OHIO

AKRON.—Plans have been prepared for a \$50,000 building to be erected at plant of Akron Brewing Company.

BELLEFONTAINE.—Architect Robert Gotwald, Goldwald Building, Springfield, has submitted to School Board plans for new high school building.

CARTHAGE.—Harry J. Rill, Buhl Bldg., Detroit, Mich., has prepared plans and will receive bids about Dec. 1 for \$50,000 chapel for Roman Catholic Sisters of Good Shepherd.

CINCINNATI.—Hyde Park Savings Bank has secured site on Erie Ave. for erection of proposed \$30,000 home.

Myers Y. Cooper is preparing for the erection of eight dwellings, cost \$40,000, in Norwood and Hyde Park.

CINCINNATI.—Mrs. Ella Brown will erect \$6,000 residence on Ludlow highway facing Devou Park.

Bids will be received until noon December 7 for erection of library building at Ohio State Library. Allen & Collins, 6 Beacon St., Boston, architects. Carl E. Steeb, secretary, board of trustees.

POMEROY.—Architects Howard & Merriam, Capital Trust Building, Columbus, will take bids until December 7 on erection of proposed armory.

POWELL.—Citizens have voted \$20,000 bonds to erect school.



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NEW YORK CITY
Henry Ives Cobb, Architect

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TOLEDO.—Marine Boiler Works, Front St., East Toledo, will erect addition. John Weber, president.

TOLEDO.—Toledo Club has decided to erect proposed \$200,000 club house at Madison Ave. and Huron St.

Council has passed ordinance providing \$300,000 bond issue for purchase of city hall site.

VAN WERT.—Citizens have voted \$100,000 bonds to erect high school, manual training and domestic science school.

YOUNGSTOWN.—Architect Chas. F. Owsley, Maloney Block, is interested in proposed erection of hotel on Market St.

OKLAHOMA

TULSA.—Bids will be received by County Commissioners until December 12 for erection of county building and jail.

OREGON

PORTLAND.—Architect A. C. Ewart, Failing Bldg., is designing the plans for a fine apartment house to be erected by George A. Housman on Hoyt St.

Architect Louis R. Thompson has been engaged to draw plans for the remodeling of former Lewis and Clark fair building at cost of \$50,000 for B. S. Josselyn.

PENNSYLVANIA

ALTOONA.—Wray, Moore & Company, Limited, have had plans prepared for erection of building at Ninth Ave. and Seventeenth St.

BLOOMSBURG.—Philadelphia & Reading Railroad is receiving bids for erection of \$30,000 station.

BUTLER.—Allegheny County Juvenile Court Association has purchased site on Thorn Hill for erection of proposed home.

CHESTER.—Board of Trustees of Third Presbyterian Church will erect \$7,500 manse at Broad and Potter Sts.

CLIFTON HEIGHTS.—Greek Catholic Congregation has had plans prepared for erection of edifice at Washington and Penn Aves.

DALLASTOWN.—Bond proposition for erection of \$20,000 school has been defeated; need of additional school room is still being urged.

JOHNSTOWN.—City Property Committee will recommend erection of police and public safety building.

LEBANON.—Church of the Brethren is preparing to build edifice at Bachmansville.

NANTICOKE.—Newport Township citizens have voted to erect hose houses at Glen Lyon, Wannie and Alden.

PHILADELPHIA.—Architects Cope & Stewardson, 320 Walnut St., are drawing plans for another group of dormitory buildings, cost \$75,000, for the University of Pennsylvania, at Thirty-seventh St. and Woodland Ave.

PHILADELPHIA.—Ex-City Treasurer Henry R. Shoch will erect \$200,000 concrete garage at Eighteenth and Market Sts.

Architects Kahn & Wilby, Detroit, Mich., have prepared plans for erection of \$250,000 garage on Broad St. for Packard Automobile Co.

PHILADELPHIA.—As site for church Philadelphia City Missionary and Church Extension Society has bought corner of Cottman St. and Kensington and Oxford Turnpike.

German Hospital has purchased site on Corinthian Ave. for erection of proposed nurses' home.

PHILADELPHIA.—John T. Windrim, Commonwealth Bldg., has completed plans for extensive reconstruction, cost \$60,000, to First National Bank Bldg., at No. 315 Chestnut St.

Architect E. Allen Wilson, Land Title Bldg., has completed plans and specifications for eight three-story Colonial houses at Ruby St. and Chester Ave. for John F. Basford.

Congregation Beth El, of West Philadelphia, has secured site on triangular shaped lot, with a frontage on Haverford Ave., for erection in near future of \$30,000 synagogue.

PHOENIXVILLE.—Henry L. Reinhold, Jr., Tenth and Sansom Sts., Philadelphia, has prepared plans accepted by Board of Education for erection of high school.

PITTSBURG.—Chas. W. Huff is considering erection of six-story warehouse at 329 Second Ave.

The Liberty Hunting and Fishing Club has had plans made by W. H. Wable for \$20,000 club house to be erected on Collins Ave., East End.

Plans have been prepared by F. J. Osterling, 316 Fourth St., for a \$20,000 brick residence to be built on Shady Ave., East End, for Dr. F. B. Elliott.

PITTSBURG.—Board of Trustees of Western Theological

Seminary has accepted plans for erection of dormitory on Ridge Ave., Northside. Bids will be asked at once.

RYDAL.—Frederick Dunn will erect \$25,000 residence. H. J. Wetherill, 328 Chestnut St., Philadelphia, architect.

SCRANTON.—J. A. Cassese, 103 Lackawanna Ave., will erect \$60,000 residence on Clay Ave. Louis Hancock, Jr., Coal Exchange Building, architect.

SOUTH WILLIAMSPORT.—Board of Education is considering erection of \$25,000 school; bonds voted.

RHODE ISLAND

CRANSTON.—Volunteer Fire Engine Co. No. 1 has had plans prepared for erection of \$10,000 fire station at Cranston and Byron Sts.

PAWTUCKET.—Plans have been drawn by Architect W. Howard Walker, Custom House St., Providence, for building to be erected at corner of East Ave. and Church St., which will be utilized by Pope Garage as soon as completed.

SOUTH CAROLINA

UNION.—Citizens have voted \$75,000 bonds for erection of court house.

SOUTH DAKOTA

BROOKINGS.—Citizens have voted \$100,000 bonds for erection of court house. Plans prepared. Bids will be asked at once.

SIoux FALLS.—Citizens have voted \$50,000 bonds to erect county jail.

TEXAS

BONHAM.—First Christian Church has decided to erect \$25,000 edifice.

EL PASO.—Architects Brubaker, Stern & Gibson have prepared plans for erection of concrete warehouse on San Francisco St. for Krakauer, Zork & Moyer.

HOUSTON.—C. D. Hill & Co. are preparing plans for erection of automatic telephone exchange at Caroline and Rusk Sts. for F. E. Ebersole.

MARSHALL.—Marshall Lodge No. 22, A. F. & A. M., will erect six-story \$50,000 temple at North Bolivar and Rusk Sts.

SAN ANTONIO.—Chamber of Commerce has decided to erect \$250,000 home on St. Mary's St.

SAN LEON.—J. M. Carlise, Carlisle Military School, Arlington, is interested in proposed erection of \$100,000 school in this city. C. D. Hill & Co., Houston, Architects.

UTAH

OGDEN.—Plans for \$10,000 business block on Washington Ave. have been prepared for Cragun Bros.

SALT LAKE CITY.—Leon Sweet will at once erect \$12,000 residence on East South Temple St. Ware & Treganza, Utah Savings Bank Bldg., Architects.

VIRGINIA

NORFOLK.—Church of Christ, South Norfolk, is considering erection of edifice.

PORTSMOUTH.—Jas. H. Toomer is considering erection of apartment house on Dinwiddie St.

RICHMOND.—City School Board is considering erection of \$20,000 school at Pine and China Sts.

WASHINGTON

SPOKANE.—Elite Cleaners & Dyers Company will erect two-story \$15,000 building on Sherman St. Plans prepared.

Plans for brick building of the Imperial Trading Company, to be situated at corner of Stevens St. and Second Ave., will soon be submitted for bids by Ballard Plannery.

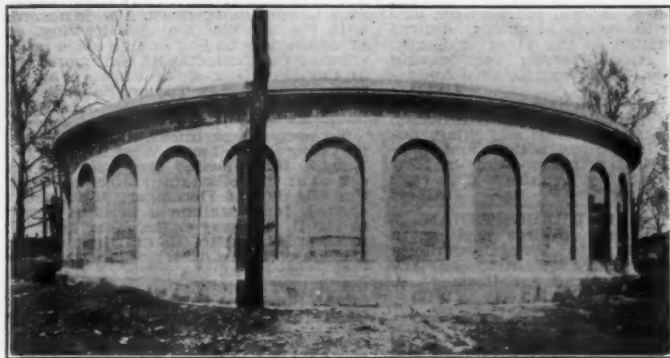
Empire Lime & Cement Co., Ltd., Paulsen Bldg., is considering erection of warehouse in this city. F. R. Clark and others are interested.

WISCONSIN

MADISON.—Wisconsin Union Building Committee of University has decided to raise \$250,000 to erect new union building.

MILWAUKEE.—Architect A. Wiskocil, Alhambra Bldg., has prepared plans for erection of three-story, \$10,000 factory building at Jefferson and Michigan Sts. for Novelty Dye Co.; also is preparing plans for \$15,000 store and flat building to be erected on Eighth St. for Peter Toeopher.

H. A. J. Upham will erect \$50,000, three-story brick residence at Lake Drive and Kenilworth Pl. A. C. Eschweiler, Goldsmith Bldg., Architect.



600,000 Gallon Reservoir at Cos Cob Power Plant, N.Y., N.H. & H.R.R.
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Figure No. 57



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Figure No. 58



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The rate for advertising under this heading in uniform style, solid type, is 50 cents for 50 words or less, payable in advance. Copy received until 12 m. Monday.

ARCHITECTURAL DRAFTSMAN—highly educated German of broad experience, 5 years in New York, efficient and proficient in all branches of the profession, desires a position in charge of office resp. drafting room in the Middle West. Address 18D, care American Architect, (1921-22)

TECHNICAL GRADUATE, wide experience in engineering and construction end of architecture; capacity for thoroughness in details, specifications and contracts, good executive, desires responsible position with architect or contractor. Address 18C, care American Architect. (1818 & T. F.)

ARCHITECTURAL ENGINEER, chief engineer for leading architects, solicits commissions for complete, economical designs and specifications for steel and reinforced concrete buildings, during spare time; have facilities for handling rush work. Thoroughly familiar with New York building code and general specifications. Terms reasonable. Address 19D, care American Architect. (1819-t.f.)

ARCHITECTURAL DESIGNER connected with large concern in Middle West seeks a change. Young man of broad education and experience in Europe and United States. I want more water color and interior and exterior designing than present line affords. Can submit samples and photographs of accepted work. Address 21A, care American Architect. (1921-22)

HARVARD GRADUATE, 17 years' experience best offices New York and Philadelphia, leaving present position, desires to take charge of office for growing firm on salary or interest. New York or Middle West. Would invest in established business. Thoroughly experienced in design, construction and superintendence. Highest references, personal and professional. Address 20C, care American Architect. (1820-21-22)

ARCHITECTURAL DRAFTSMAN—young man of 13 years' all-around practice in and about New York; work generally of the better class; capable constructionist; natural ability freehand drawing; with special training; ability at designing; scale drawings and full size; practical throughout. Will locate anywhere. Address 22E, care American Architect. (1922)

ARCHITECTURAL DRAFTSMAN desires position with firm of architects in New York for first-class city and public buildings; general work, working drawings, elevations, etc. American and European experience. Temporary or for longer time. Address 22D, care American Architect. (1922)

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COMPETENT Architectural Draftsman, with long experience in sketching, designing, detailing, construction and perspective rendering, wants position in New York City or vicinity. Address 22C, care American Architect. (1822)

ARCHITECTURAL DRAFTSMAN, 3 years' experience, desires position in or near New York City. Present employer as a reference. Salary, \$15. a week. Address 22A, care American Architect. (1822)

HELP WANTED

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. **Remittance should accompany copy.** Copy received until 12 m. Monday.

ARCHITECTURAL and Ornamental Iron draftsmen needed constantly; salaries \$18 to \$35 per week. The Engineering Agency, Inc., Monadnock Block, Chicago.

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WANTED—Architectural Draughtsman wanted. Must be experienced. State references and salary. Storey & Van Egmond, Architects, Regina, Sask., Canada. (1822-23)

SPECIAL NOTICE

The rate for advertising under this heading is \$1.80 an inch. **Remittance should accompany copy.** Copy received until 12 m. Monday.

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PROPOSALS

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. Copy received until 12 m. Monday.

Treasury Department, Office of the Supervising Architect, Washington, D. C., Nov. 8, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 15th day of December, 1910, and then

opened, for the miscellaneous changes at the extension of the U. S. Court House and Post Office, Montgomery, Ala., in accordance with the specification and drawing, copies of which may be had at this office or at the office of the Custodian at Montgomery, Ala., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1921-22)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Nov. 7, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 9th day of December, 1910, and then opened, for installing a heating apparatus in the U. S. Assay Office, New York, N. Y., in accordance with the drawings and specifications, copies of which may be had at this office or at the office of the Superintendent of Construction, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1921-22)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Nov. 7, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 19th day of December, 1910, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus and electric conduits and wiring), of the United States Post Office at Lexington, Mo., in accordance with drawings and specifications, copies of which may be obtained from the Custodian of site at Lexington, Mo., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1921-22)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Nov. 7, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 5th day of December, 1910, and then opened, for the installation of a vacuum cleaning system in the United States Post Office and Court House at Columbus, Ohio, in accordance with drawing and specification, copies of which may be had at this office or at the office of the Superintendent, Columbus, Ohio, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1921-22)

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 14, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 27th day of December, 1910, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office at Missoula, Mont., in accordance with drawings and specification, copies of which may be obtained from the Custodian of site at Missoula, Mont., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1822-23)

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 12, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 22d day of December, 1910, and then opened, for the construction (including the drainage system, etc., of the Appraiser's Stores at Boston, Mass., in accordance with drawings and specification, copies of which may be had at the office of the Custodian of site, or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1822-23)

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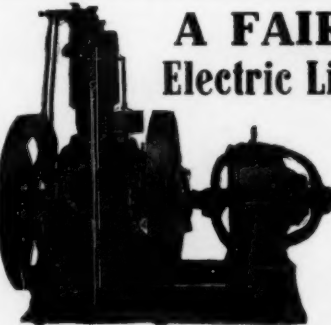
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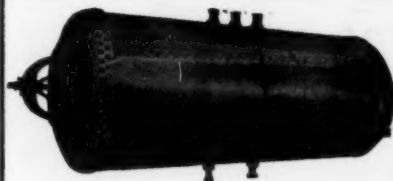
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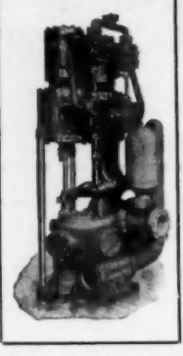
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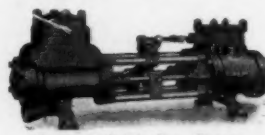


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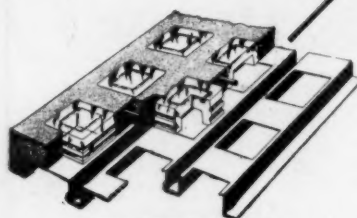
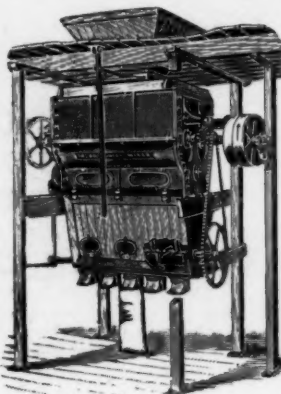
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are made of Iron and Steel. Paddles in screw form are placed on two shafts running in opposite directions, lift the material from the bottom of the case and throws it in opposite directions from one end of the case to the other, keeping it in constant motion and obtaining a perfect mixture.

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On A
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No false work of any sort is necessary—the heavily galvanized steel forms are self centering and remain a permanent part of the construction.

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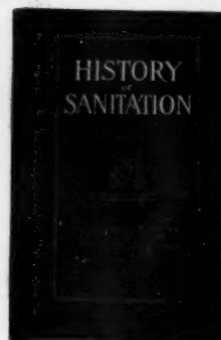
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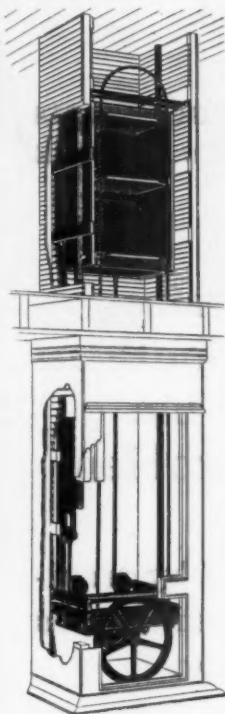
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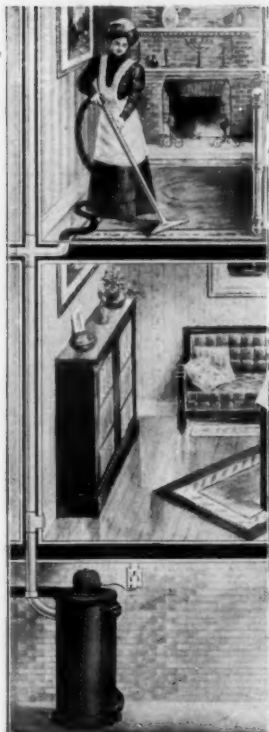
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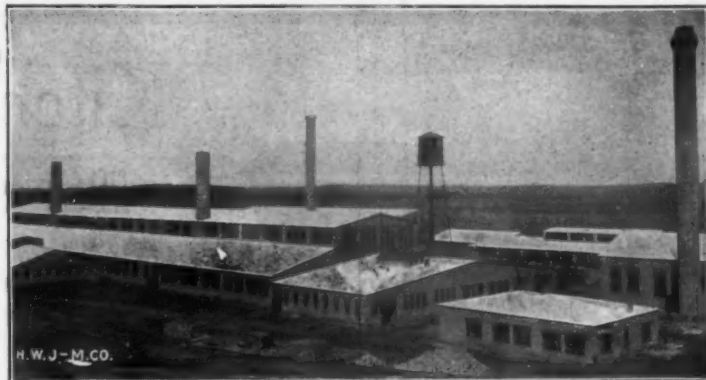
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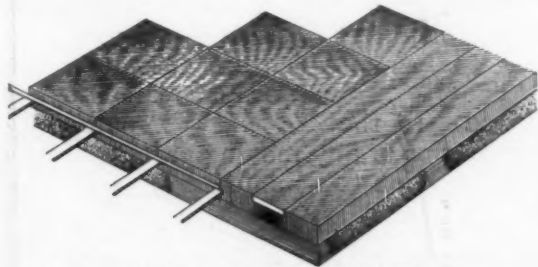
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FOR FIREPROOF BUILDINGS

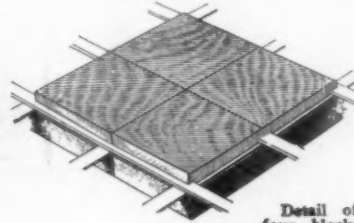
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Showing two border and wall strips with bridge over compression space and short dovetailed pieces of wood to which border strips are lightly nailed.



Detail of 4" quartered white oak block.



Detail of four blocks showing steel weave.

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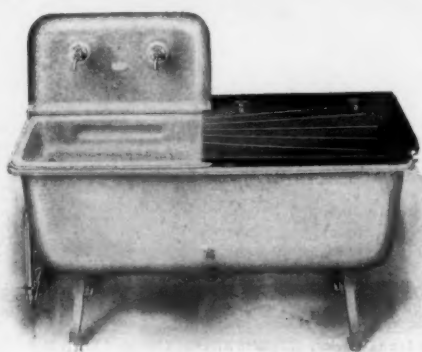


Plate No. 202, 26 x 48", Sink and Drainboard in use.

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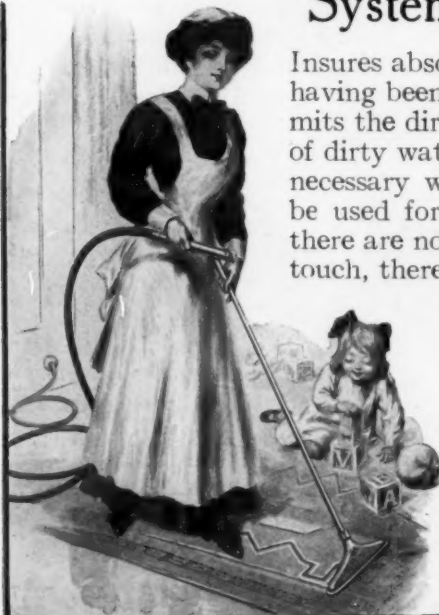
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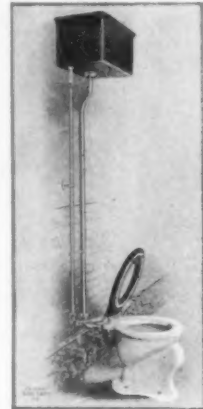
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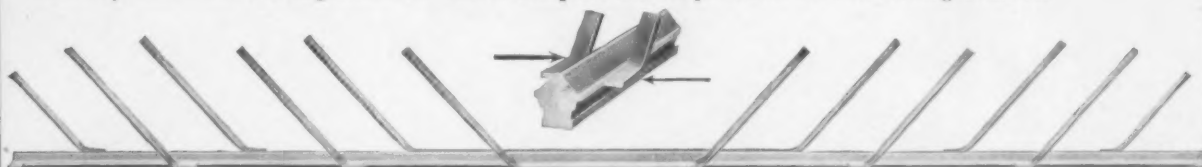
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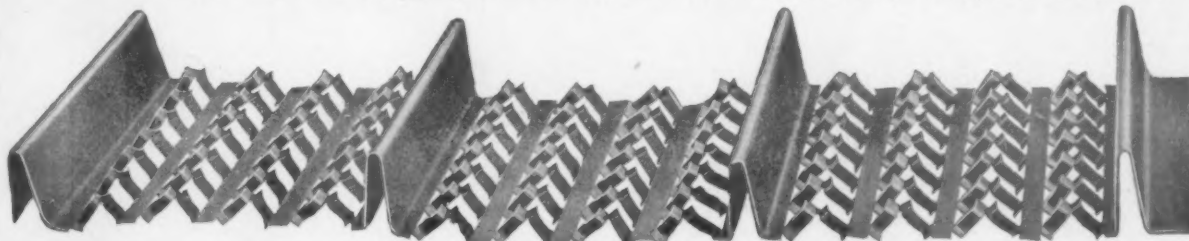
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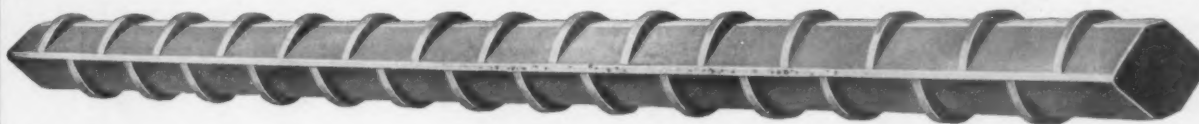
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CURRENT NEWS *and* COMMENT

Syracuse Proposes New Building Code

A committee of the Syracuse Chamber of Commerce is in conference with the city officials and a representative of the National Board of Fire Underwriters regarding the preparation of a new and thoroughly modernized building code for that city. It is hoped that the new code may be ready for enactment early in the coming year.

To Build New Station at Oakland, Cal.

An appropriation of \$370,000 has been made by the Southern Pacific Railway for a new station at Oakland, Cal. The building will be 278 feet long and 60 feet high at the main waiting room. Concrete, marble and wrought iron are the chief materials used and Mr. Jarvis Hunt is the architect.

As Others Hear of Us

At a "workmen's" conference on town planning (a subsidiary meeting of the recent international conference in London) Professor Geddes is reported to have said "that, despite the beauty of American town sites, when it came to the question of keeping the whole population in health and happiness, America had signally failed, owing to its totally immoral capitalization. In looking to the health and comfort of the people, Germany led the world and America lagged behind, its working men being in the lowest condition to-day."

New Cathedral in Chile

Work has begun on the new cathedral in Valparaíso and it is expected that the foundation will be completed before the end of the year, and that the cathedral will be finished by the close of 1912. The cathedral is to be 195 feet long; 162.5 feet wide, including the transepts, with a central dome 130 feet high. It will be of reinforced cement construction, and will cost upward of \$200,000 United States gold. The work will be in charge of Juan Tonkin, the architect, who was educated at the Cooper Institute, New York City, and who for ten years worked at his profession in the United States.

It would seem that here might be an opening for some American building material, such as structural steel, hardware, etc. Communications addressed to the architect will reach the proper parties.—*U. S. Daily Consular and Trade Reports.*

Goethe Memorial for Chicago Park Will be Designed by Prof. Hahn

The German Societies in Chicago, who propose to erect a memorial to Goethe in Lincoln Park, have, through their jury, awarded the contract to Prof. Herman Hahn of Munich.

There were nine designs submitted by as many sculptors. It is the intention of the German Societies to execute such of these as may be selected, for the principal cities in the United States.

While the generosity of the German Societies is worthy of commendation, it is to be hoped that before final

acceptance and erection of a work of this kind it may be submitted to a competent jury.

It has many times happened in the principal cities in the United States that well-meaning gifts have failed of grateful acknowledgment by reason of the very indifferent artistic merit of the work.

The Art Institute of Chicago

Many additions and improvements to the building of the Art Institute of Chicago, made during the past year, have added much architectural beauty to the building. Wall and floor space have been largely extended and it was hoped that room had been provided sufficient to meet the demands of the next few years.

Notwithstanding these additions pressure for extension is still felt and if important accessories are to receive proper placing additional room will soon have to be provided.

Fortunately there is ample ground space to admit of this extension. Here is an example of how important it is in the locating of similar buildings that the site selected should admit of expansion that is certainly to be needed in view of the fast increasing appreciation in this country for good art and the necessity for adequate buildings for its proper display.

How La Farge Worked

The *Evening Post* (N. Y.) gives the following account of the late John La Farge's discovery of the method of producing his characteristic glass effects.

In the course of an illness he amused himself by combining various tones of glass by "plating," that is, placing sheets of different colors one over the other. A soap dish, made of glass in imitation of white china, stood on the window sill. It was an imperfect piece, that is, it was not strictly opaque as white china is, but was opalescent. He noticed the beauty of quality it gained by being imperfect, and also that when it stood alongside what is known as "pot-metal," the ordinary stained glass, this opalescent quality caused it to take on the suggestion of a complementary color in harmony with that of the piece of pot-metal, so that when associated with a piece of violet glass it showed a golden yellow, a pink flush when laid on a piece of green glass. It occurred to Mr. La Farge that all that would be necessary to obtain the diversity of form, the shadows, etc., in colored glass, then done by painting it, would be to have this opalescent glass made first without color and then with variations of color. He found a glass-maker willing to carry out his experiments, and within a few weeks had managed to get enough variations to justify him in accepting a commission for a large window for a private house.

Fresh Air vs. Ventilation

From the R. I. B. A. Journal's report of the recent Paris Congress on School Hygiene we extract the following:

"Professor Thomas B. Balliet, of New York University, referring to the plenum system, writes that un-

der this system "the stimulating effect of cool out-door air admitted through windows is never felt in the school room. The teachers of America as a class have never agreed with the experts in ventilation on this matter, and have always protested against keeping windows closed."

Other papers by German, French and English writers dealt with open-air schools. These were originally tried for tuberculous children; but the success attending them has led many to advocate the extension of the principle for all kinds of children, thus emphasizing the theory that the nearer the atmosphere of a school approximates to the open air the better for children, and that the washing and de-energizing of air by artificial means, like the plenum system, to the exclusion of fresh air through open windows is an evil tending to lower the vitality of all and positively dangerous to weak children.

PERSONAL

Toleano & Wogan, architects, New Orleans, La., announce their removal to new offices in the Perrin building.

Mr. J. D. Sellars, architect, Hamilton, Mont., we learn, has established his offices in the Coulter block, where he will practise his profession.

William J. Rogers and Harry St. Clair Zogbaum, architects, have formed a copartnership under the firm name of Rogers & Zogbaum, with offices at 437 Fifth avenue.

Mr. N. H. Hunt, architect, informs us that he has moved his offices in New York to 314 Madison avenue. He will continue his branch offices in Kingston, N. Y., and Albany, N. Y.

Mr. John C. Olmsted, landscape architect, Boston, Mass., is now in San Diego, Cal., where he has accepted a commission to outline the general character of the exposition grounds and buildings, and the landscape features of Balboa Park, which will be the site of the proposed Panama-California Exposition.

A certificate to practice architecture in the State of California has been issued to Frederick L. Swartz, who satisfactorily passed an examination before the State Board of Architecture. Mr. Swartz is a graduate of the special course in architecture of the University of Pennsylvania, and is now associated in business with his father, under the firm name of A. C. Swartz & Son.

OBITUARY

In the death of Mr. Charles Edward Pease, president of the Buckeye Iron and Brass Works, Dayton, Ohio, has lost a public-spirited citizen who amid his business activities found time to give practical aid in the beautifying of his home town. For an entire block around his residence Mr. Pease maintained at his own expense extensive flower beds filled with the rarest and most beautiful plants and flowering shrubs, and took the greatest pride in making that section of Dayton attractive to strangers visiting the city. If such a gracious act were more generally emulated it would add immensely to the attractiveness of American city streets.

CHAPTER AND SOCIETY NOTES

The Texas Association of Builders' Exchanges, at the recent annual meeting in San Antonio, appointed a standing committee for conference with the State Association of Architects and the State Association of Brick Manufacturers on matters of mutual interest; and especially, at the moment as to the lien law of Texas.

Under the title "The Architect, the Client, the Client's Wife and the Decorator" Mr. Edward Hurst Brown, editor of the *Painter's Magazine*, spoke entertainingly at the monthly dinner of "The Gargoyles," held at the Hof Brau Haus, Broadway and Thirtieth street, New York, on the evening of November 15. It was "ladies' night" and the meeting was the occasion of great interest and enjoyment to members and guests alike.

EXHIBITION OF THE ARCHITECTURAL LEAGUE OF NEW YORK

The Architectural League of New York will hold its twenty-sixth annual exhibition from January 29 to February 18, inclusive, 1911. The last day for the return of entry slips is December 27, and the last days on which exhibits will be received are January 12 and 13 from 9 a. m. to 5 p. m.

The annual dinner will be on January 27. This dinner should not be mistaken for the special dinner, at which the proposed improvement of Fifth avenue will be discussed, and which will occur on December 6.

Several of the New York daily papers have erroneously stated that the dinner of December 6 was the annual dinner. The Committee on Current Work are particularly anxious to have this misstatement corrected.

Circular of information, together with entry blanks for the exhibition, may be procured by application to The Architectural League, 215 West Fifty-seventh street, New York.

INDUSTRIAL

AMERICAN PORTLAND CEMENT MANUFACTURERS

The next meeting of the American Portland Cement Manufacturers will be held at the Hotel Astor in New York on December 12, 13 and 14. Executive Committee meeting on evening of December 12.

S. H. COVEL & CO.'S NEW FACTORY

The new factory at Norfolk Downs, Mass., made necessary by reason of the increasing business of S. H. Covell Co., Inc., makers of the "Workrite" and other push-button specialties, will soon be completed. The company manufactures, in addition to the specialties above referred to, a full line of standard telephone apparatus, cables, etc. Illustrated catalogue may be had by applying to the Boston office, No. 156 Purchase street.

THE OTIS "INDICATOR"

"The Indicator" is the name of a publication issued monthly by the publicity department of the Otis Elevator Co., 17 Battery Place, New York, and while it is, of course, intended to present the latest installations and improvement of these standard elevators, gives much entertaining and instructive reading matter.

In recent issues there have been illustrated many buildings of importance. The "Indicator" may be had on request. We regard it as a valuable means of keeping posted on the latest forms of elevator construction.



Delano & Aldrich, Arch'ts, N. Y.

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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ARIZONA

BISBEE.—Knights of Columbus will at once erect \$10,000 two-story home. Site purchased.

CALIFORNIA

COLFAX.—Episcopal Church is raising funds for erection of edifice.

DAVIS.—Presbyterian Church is raising funds for erection of \$10,000 edifice.

DIXON.—Woman's Improvement Club is raising funds for erection of library building.

LOS ANGELES.—Board of Education will ask for bond issue to erect needed schools.

A. Lofton will erect residence at Grand Ave. and Thirty-seventh St.

St. James Methodist Church is considering erection of \$20,000 edifice at Washington St. and Magnolia Ave.

Dr. George Womburg will erect large residence in Whittier.

LOS ANGELES.—Y. M. C. A. has \$150,000 available for erection of Home for Working Girls.

PANA.—First Baptist Church is considering erection of residence. Rev. W. A. Fuson, Pastor.

PETALUMA.—Evangelical Lutheran Church of St. Johannes Gemeinde will erect edifice in near future. Rev. K. A. H. Theide, pastor.

SAN DIEGO.—John D. Spreckels will at once erect \$500,000 six-story theater on D St.

SAN FRANCISCO.—E. G. Bolles and Albert Schroeffer, 68 Post St., have prepared plans for erection of large apartment house on Clay St. for Warbur Estate Co.

CONNECTICUT

BRIDGEPORT.—Architect A. E. Westover, Keith Theatre Bldg., Philadelphia, is preparing plans for erection of \$250,000 theatre for B. F. Keith.

BRIDGEPORT.—Architect Ernest G. Southey, Broad St., has completed plans for erection of residence on Putnam St. for Julia A. Henry.

NEW BRITAIN.—School Board will secure plans and estimates for erection of addition to high school. Judge Jas. Roche, president.

Cremo Brewing Company will erect three-story addition to plant; plans are being prepared.

NEW BRITAIN.—Norden Lodge I. O. O. F. has plans under way for erection of lodge building.

Plans have been prepared for erection of edifice on Church St. for Second Advent Church. Kraus & Ruestow, 619 Madison Ave., New York City, architect.

NEW HAVEN.—Plans are being prepared for erection of two-family house for A. F. Schaffer, 77 Ashmun St.

ROCKVILLE.—Council is considering \$15,000 appropriation for erection of fire house on Prospect St. for Fitton Fire Co.

WATERBURY.—Knights of Columbus are considering erection of home. Dr. G. T. Partridge is interested.

DISTRICT OF COLUMBIA

WASHINGTON.—Architects Stuckert & Sloan, Philadelphia, are preparing plans for erection of residence in Cleveland Park section for E. B. Rosa.

WASHINGTON.—Robert McCormick is having plans prepared for erection of residence at Massachusetts Ave. and W St.

WASHINGTON.—Five three-story brick and frame dwellings, estimated to cost \$20,000, are to be erected by L. E. Brueninger at 2817-2825 Twenty-eighth St. N. W. this winter. N. R. Grimm, 625 F St. N. W., architect.

Anacostia Methodist Church will erect building for boys on Fourteenth St. S. E.

Two-story frame and pebbledash dwelling, to cost \$5,250, is to be erected at 5600 Colorado Ave. N. W. for W. C. Daudt.

FLORIDA

PENSACOLA.—Bids will be received until Dec. 8 for erection of school on Petterson St. N. B. Cook, superintendent Public Instruction.

TAMPA.—W. L. Hill has had plans prepared for erection of \$30,000 theater at Florida Ave. and Cass St.

GEORGIA

ATLANTA.—Contract will be let about Jan. 11 for alterations to old post office for city hall. Cost \$25,000. A. Ten Eyck Brown, 607 Forsythe St., architect.

School of Technology is planning erection of \$50,000 administration building.

AUGUSTA.—Architect G. Lloyd Preacher is preparing plans for erection of \$8,000 apartment house for Geo. F. Claussen.

CORDELE.—City is considering erection of city hall.

MACON.—Macon Telegraph will at once erect modern newspaper building on Cherry St.

MACON.—Chief Engineer Sedden, of S. A. L. Railroad, has prepared plans and specifications for a new passenger station.

IDAHO

WENDELL.—Wayland & Fennell, Boise City, will prepare plans for two-story, twelve-room brick, \$40,000 school.

ILLINOIS

CHICAGO.—Otis Estate will erect twenty-one story office building, cost \$3,000,000 at Madison and La Salle Sts. Holabird & Roche, 1618 Monadnock Bldg., Architect.

President John H. Batten of the Hamilton Club has appointed Building Committee to superintend the construction of the Club's proposed ten-story building on Dearborn St.

CHICAGO.—Eiger Bros. will erect three-story building on Milwaukee Ave. Cost \$150,000.

Brooks Estate, of Boston, will erect \$1,000,000 fourteen-story building at Monroe St. and Michigan Ave. Holabird & Roche, 1618 Monadnock Bldg., architects.

CHICAGO.—Plans are being prepared for the construction of office and theater building on Monroe St. G. A. Buhl & Co., 125 Monroe St., are interested.

DECATUR.—James Milliken University has \$100,000 available for erection of two buildings.

DUNDEE.—Fred H. Nolte will erect residence at Second and Liberty Sts. Architect not yet selected.

MOBILE.—Peterson Bros. will in near future erect modern warehouse at 1613 Second Ave.

MOBILE.—People's Savings Bank & Trust Company will erect building in near future at Fifth Ave. and Fifteenth St. N. H. Greene, vice-president.

INDIANA

INDIANAPOLIS.—Dr. Bruce M. Wylie will erect \$10,000 residence at Fortieth and Meridian Sts.

RICHMOND.—Erection of \$50,000 apartment house at Main and Thirteenth Sts. is under consideration. Chas. Wolfer is said to be interested.

SOUTH BEND.—Indiana Ave. Christian Church will erect edifice next year at Indiana and Witwer Aves. Plans prepared.

IOWA

BURLINGTON.—Y. W. C. A. building to cost \$60,000 will be erected within next two years.

DES MOINES.—M. H. Cohen will erect residence on Oakland Ave.

DES MOINES.—State Board of Control has asked appropriations of \$1,500,000 for State educational institutions; Board also recommended that Hospital for Epileptics be erected, to cost \$200,000.

DENISON.—County has voted \$25,000 bonds for erection of \$25,000 home.

LINEVILLE.—Concrete town hall and jail will be erected at cost of \$12,000.

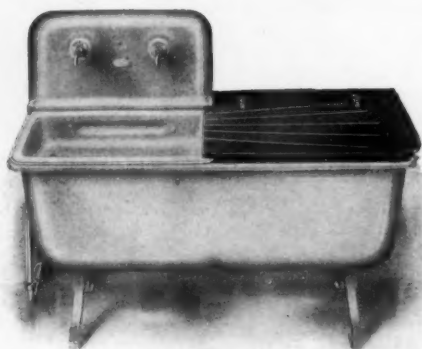


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KENTUCKY

ASHLAND.—Bids will be received until 7 p. m., Dec. 12, for erection of \$35,000 school. Geo. F. Parks, secretary Board of Education.

LOUISVILLE.—Broadway Investment Company has been found by C. C. Heatt, H. J. Scheirich and H. M. Johnson for erection of \$100,000 brick apartment house on Fourth St.

Frank Weber & Co. will erect wagon repair building at Floyd and Main Sts.

Bids are being received by Architect Arthur Smith, Norton Bldg., for \$8,000 two-story brick veneer residence to be erected by Mrs. Alice Castleman in Castlewood; for the two Galbraith apartment flat buildings to be erected on First St. at a cost of \$6,000; for two-story \$10,000 stucco residence to be built by Walter Vaughn facing Cherokee Park and for a two-story frame residence to be erected in New Albany for Adam Heimberger.

STANFORD.—L. & N. Railroad will erect depot at this place in spring.

LOUISIANA

NEW ORLEANS.—Bids will be received until Dec. 7 for erecting two-story and basement brick high school at Jenna, Napoleon Aves. and Pitt St. Chas. R. Kennedy, City Comptroller.

MARYLAND

BALTIMORE.—Architects Archer & Allen, Central Savings Bank Bldg., have just finished plans for branch of the Enoch Pratt Library to be built at Gorsuch and Taylor Aves., Homestead.

Hugo Walther will soon award a contract for erection of apartment house at corner of Park Heights Ave. and old Pimlico Road, to cost about \$10,000.

Robert C. Ullrich, architect, is taking revised bids for Dr. John C. Hemmeyer residence to be erected on University parkway, Roland Park, at cost of about \$35,000.

BALTIMORE.—Harvey Middleton is having plans made for \$20,000 residence on University Parkway.

BALTIMORE.—Henry C. Kirk is having plans prepared by Edward L. Palmer for \$6,000 residence to be erected at Roland Park.

BALTIMORE.—M. Gillett Gill will soon award contract for erection of a new residence on Midland Road, Roland Park, to cost about \$15,000. Plans by Wyatt & Nolting, Keyser Bldg., Architects.

American Ice Company is contemplating erection of \$200,000 ice plant on Franklin St. Architect has not been selected.

Stanislaus Russell, Architect, is drawing plans for \$5,000 addition to be built in connection with undertaking establishment of John J. Fields at Lombard St. and Carrollton Ave.

MICHIGAN

DETROIT.—Kiefer Land Company will erect eight-story building next spring at Gratiot and Farrar Sts. Richard H. Marr, 1529 Ford Bldg., architect.

DETROIT.—Board of Education is considering purchase of site on Russell St. for Chas. J. George School.

DETROIT.—Geo. D. Mason, 80 Griswold St., is preparing plans for three-story, \$50,000 parish house for Woodward Ave. Baptist Church.

DURAND.—Rogers & MacFarland, Penobscot Bldg., Detroit, have been selected to prepare plans for edifice for St. John's Episcopal Church. Rev. C. E. Ramsey, Rector.

KALAMAZOO.—Grand Trunk Railroad will at once erect freight depot on Porter St.

MENOMINEE.—Menominee River Sugar Company will erect \$150,000 factory building.

ORCHARD LAKE.—Harry J. Rill, 54 Buhl Bldg., Detroit, is preparing plans for two-story \$40,000 brick and Bedford stone dormitory for the Polish Seminary.

SAULT STE. MARIE.—Chippewa County has voted \$20,000 bonds to erect Agricultural Training School.

MINNESOTA

DULUTH.—Board of Directors of Lake Superior Mission has authorized plans for erection of \$20,000 addition at Fourth St. and Tower Ave.

EVELETH.—School Board is seeking site for new \$60,000, eight-story, brick public school building addition.

FERGUS FALLS.—Church of St. Otto has purchased site at Vine St. and Cavour Ave. for erection of church; building of school is also being considered.

GILBERT.—Siegel Bros. will erect large building to replace one destroyed by fire.

MANKATO.—Plans are being prepared by Architects E. Briemaier & Sons, University Bldg., Milwaukee, Wis., for a mother house and academy to be erected by Sisters of Notre Dame. Work on the building will begin in the spring.

MINNEAPOLIS.—Great Northern-Burlington Roads contemplate erection of two large freight stations in Hoag Lake fill district to cost \$500,000.

SPRING VALLEY.—Site has been purchased for erection of combined city hall and fire house.

ST. PAUL.—Finch, Van Slyck & McConville will erect nine-story warehouse, cost \$600,000, at Fifth and Wacouta Sts. Postle, Mahler & Denson, architects.

Louis Friedman, 231 E. Fairfield Ave., will erect \$6,000 frame flat building on Franklin St.

T. L. Schurmeir will expend \$50,000 in altering and remodeling residence on Crocus Hill.

North Central Commercial Club will select site for erection of proposed club house. Thomas Spense, Chairman Special Committee.

MISSISSIPPI

BILOXI.—Local Lodge of Elks is planning to erect home on Lamouse St.

Architect Roof, city, has completed plans for erection of annex for Charity Hospital.

RICHTON.—Richton Masonic Lodge No. 477 is considering erection of \$8,000 Temple.

NEBRASKA

GRAND ISLAND.—Plans are under way for erection of \$40,000 addition to St. Francis Hospital.

NEW JERSEY

ASBURY PARK.—Architect Cottrell is preparing plans for a new theater to be built on Mattison Ave., near Main St.

ATLANTIC CITY.—Plans are being prepared by Architect Theo. A. Meyer, 18 E. 42d St., New York City, for seven three-story apartment houses at northerly end of boardwalk, to cost in the neighborhood of \$100,000.

BAYONNE.—Watson Piston Ring Company will erect plant. R. B. Wasson of Cranford is interested.

DEAL BEACH.—Contract has been awarded to N. A. Atchley for the alteration and restoring residence of E. Reinheimer, on Pearl St., cost of repairs, etc., \$5,000; Seymour Guggenheimer will add a sun parlor and a few additions, cost about \$1,200 to building on Pearl St. Theo. A. Meyer, 18 E. Forty-second St., New York City, architect.

ELIZABETH.—Robert N. Earl will erect residence on Monmouth Road, El Mora. C. Geodfrey Poggi, 2 Julian Place, architect.

ELIZABETH.—State Military Board has approved plans and specifications of proposed battalion armory, to be erected at Walnut St. and Magnolia Ave. Bids for the work are now being sought.

The Elizabethport Building Company has instructed C. Godfrey Poggi, 2 Julian Place, to prepare plans for three-story brick flat house to be erected at 117 Inslee Place.

ELIZABETH.—Local Aerie of Eagles is considering erection of club house.

HOBOKEN.—Congregation Star of Israel is considering erection of temple at 115 Park Ave.

JERSEY CITY.—New York Revolving Portable Elevator Co. will erect \$5,500 factory on Garfield Ave., Greenville.

From plans prepared by Engineer Fred D. Rhodes, 90 West St., New York City, \$37,000 addition will be made to plant of George Stratford Oakum Co., on Cornelison Ave. Owners ready for bids.

From plans prepared by Architect John A. Resch, 170 Lexington Ave., New York City, \$5,600 two family residence will be erected on Bergen Ave.

KEANSBURG.—Proposition to raise \$18,000 bonds for erection of school has been defeated; matter will again be brought before citizens.

LINDEN.—Bids will be received until 8 p. m., Dec. 19, for erection of school building at Wood Ave. and Curtiss St. Louis Quien, Jr., 251 Elizabeth Ave., Elizabeth, architect. W. N. Roll, president Board of Education.

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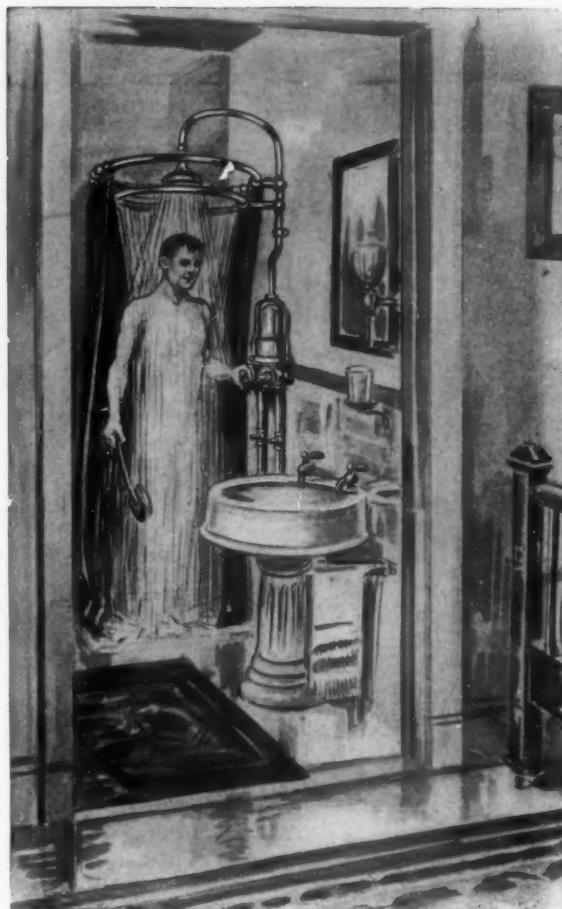
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NEWARK.—Dr. Elbert S. Sherman is considering erection of residence at 308 Mt. Prospect Ave.

Lister Agricultural Chemical Works will expend \$25,000 in erecting storage house on Lister Ave.

Franz Knauf will erect \$5,500 dwelling at 738 S. Twentieth St. Matthias Hiltgren, architect.

NUTLEY.—R. King Conklin, architect, 45 Clinton St., Newark, has been selected to prepare plans for two-story \$50,000 reinforced concrete school, to be erected at Washington Ave., Avondale Road and Walnut St.

PERTH AMBOY.—Walter C. Quackenbush is planning to erect apartment house on Jefferson St.

Architect J. H. Dayton has prepared sketches for \$20,000 new brick and concrete church structure for the Church of Our Lady of Hungary, to be erected in Cortlandt St.

PRINCETON.—Citizens have voted \$65,000 bonds to erect school on Nassau St.

SOUTH ORANGE.—Tentative plans have been drawn for a \$20,000 stone addition to the First Presbyterian Church. W. S. Wade, Chairman, Board of Trustees.

SUMMIT.—The Buildings and Grounds Committee of Board of Education has been authorized to have plans prepared for eight-room kindergarten and assembly-room school building to be erected at Ashland Ave. and Maple St.

NEW YORK

ALBANY.—Architect Charles Ogden has been directed to prepare plans for addition to School 17 on Second Ave. Bids will soon be asked for erection of proposed high school. Goldwin Starrett, 47 E. Seventeenth St., New York City, architect.

For the second time Board of Contract and Supply rejected plans for proposed new Third precinct police station house. Secretary Wachtman has been directed to readvertise.

BINGHAMTON.—District Board of Chenango St. M. E. Church has decided to erect edifice. Rev. J. B. Sweet, Pastor.

BROOKLYN.—Plans are being prepared for Harris Wilner for erection of two four-story brick and limestone apartment houses, cost \$100,000, on Third Ave., Fort Hamilton.

BUFFALO.—Barbara Haberstro will expend \$50,000 in erecting seven-story brick fireproof building at 1820 Broadway.

Saxton B. Atkins will build at 60 and 64 Welker St. two modern two-story, two-family houses. Cost \$6,000.

John P. Jordan will erect \$23,500 residence with private barn at 1 Middlesex Road.

Allen E. Klapp will erect \$12,000 storage building at 80 Mohawk St.

KINGSTON.—Kingston Gas & Electric Co. will erect \$40,000 office building on Broadway.

NEWPORT.—W. D. Grant will rebuild cold storage plant destroyed by fire. Loss \$130,000.

NEW YORK.—M. Briganti, 217 Lafayette St., will erect six-story \$60,000 apartment house on Delancy St. Bernstein & Bernstein, 24 E. Twenty-third St., architects.

William M. Moore Construction Company, 853 St. Nicholas Ave., will erect six-story \$100,000 apartment house on 139th St. Summerfeld & Steckler, 19 Union Square, architects.

NEW YORK.—Ludlow & Peabody, 12 W. Thirty-first St., have prepared plans for brick and stone church building to be known as Church of the Holy Trinity of the Presbyterian Church, and to be erected on East 153rd St.; will contain church auditorium, gymnasium and class rooms.

M. Garone, 141 Washington Market, will erect two-story theatre on Catharine St. A. L. Kehoe & Co., 1 Beekman St., Architect.

C. E. Appleby, 192 Broadway, will erect two-story \$5,000 brick offices at Twelfth Ave. and Fifty-seventh St. Fenn & Basil, 149 Broadway, Architects.

Meyer Herbst, 302 E. 101st St., will erect two-story \$20,000 bakery on 119th St. Cost, \$20,000. J. V. Knoth, 38 Water St., Architect.

H. Corn, 341 Fifth Ave., will erect twenty-story \$700,000 office building on Madison Square North. Maynicke & Franke, 25 Madison Square North, Architects.

Rosenthal Bros. have rented a loft on Twenty-eighth St., near Sixth Ave., and will spend about \$2,000 in fixing up with Circassian walnut show rooms, etc. Theo. A. Meyer, 18 E. Forty-second St., Architect.

NEW YORK.—Balland Realty Co., 263 W. Twenty-third St., will erect six-story \$200,000 apartment house on Audubon Ave. G. F. Pelham, 503 Fifth Ave., Architect.

Jas. E. Donnelly, 3941 Carpenter Ave., will erect \$5,000 dwellings on Byron Ave. B. P. Malone, Architect.

St. Barnabas R. C. Church, Rev. M. A. Reilly, 321 E. 241st St., Pastor, will erect \$7,000 brick dwelling on 241st St. A. Serraciao, 1170 Broadway, Architect.

NEW YORK.—H. B. Harris will expend \$15,000 in improving Hackett Theater, Forty-second St. Hertz & Tallant, 113 E. Nineteenth St., architects.

OSWEGO.—Jas. A. Shufelt will erect large plant. Site purchased.

PORT JERVIS.—Preliminary plans for erection of \$50,000 Y. M. C. A. building at 102 Pike St., have been prepared by J. C. Armstrong, State Secretary and Architect.

SAG HARBOR, L. I.—Parish Hall is to be built for Christ Church at cost of \$5,000.

SCHENECTADY.—George B. Post & Sons, 341 Fifth Ave., New York, have been commissioned by Charles A. Richmond, president Union University, to prepare plans for \$120,000 gymnasium.

Board of managers of Day Nursery is planning to erect \$15,000 building next spring in rear of present structure on Lafayette St.

SCHENECTADY.—Chas. F. Veeder and Attorney W. Dewey Loucks are interested in proposed erection of \$750,000 hotel at State and Lafayette Sts.

SYRACUSE.—North Side Citizens Association is urging erection of hose house on Spring St.

SYRACUSE.—Architect A. E. Westover, Keith Theatre Bldg., Philadelphia, is preparing plans for a \$350,000 theatre for B. F. Keith.

SYRACUSE.—Architect Merritt C. Conway is preparing plans for two-story brick addition to Gebhardt Building at corner of North Salina and Division Sts.

NORTH CAROLINA

WINSTON-SALEM.—C. E. Barbee will erect two buildings on W. Third St.

NORTH DAKOTA

DICKINSON.—Local Lodge of Elks is having plans prepared for erection of \$50,000 home.

FARGO.—Plans have been prepared by Architect A. J. O'Shea for erection of proposed Orpheum Theatre.

OHIO

AKRON.—Improvements and additions, cost \$20,000, will be made to Hotel Buchtel. D. A. Goodwin, proprietor.

CINCINNATI.—St. Augustine's Church will erect \$65,000 edifice in Covington.

CINCINNATI.—Architects Fahnstock, Ferber & Robertson, Atlas Bank Bldg., are preparing plans for brick St. Louis flat building to be erected for Miss Elizabeth Boland in Linden Ave., Oakley.

COLUMBUS.—Architect Frank Ryan has prepared plans for erection of one-story vaudeville theater on West Broad St.

DAYTON.—Third Regiment, National Guard, is planning erection of \$100,000 armory.

HAMILTON.—Chamber of Commerce is urging purchase by city of two squares north and south of High St. to be known as Court of Honor upon which will be erected City Hall, school, public library, Y. M. C. A., Elks' hall and Memorial hall.

KENT.—Proposed Northeastern State Normal School will be erected in this city.

NILES.—Citizens will vote, Dec. 20, on bonds for erection of school.

REESVILLE.—Architect C. L. Inscho, Brunson Bldg., Columbus, has prepared plans for erection of school.

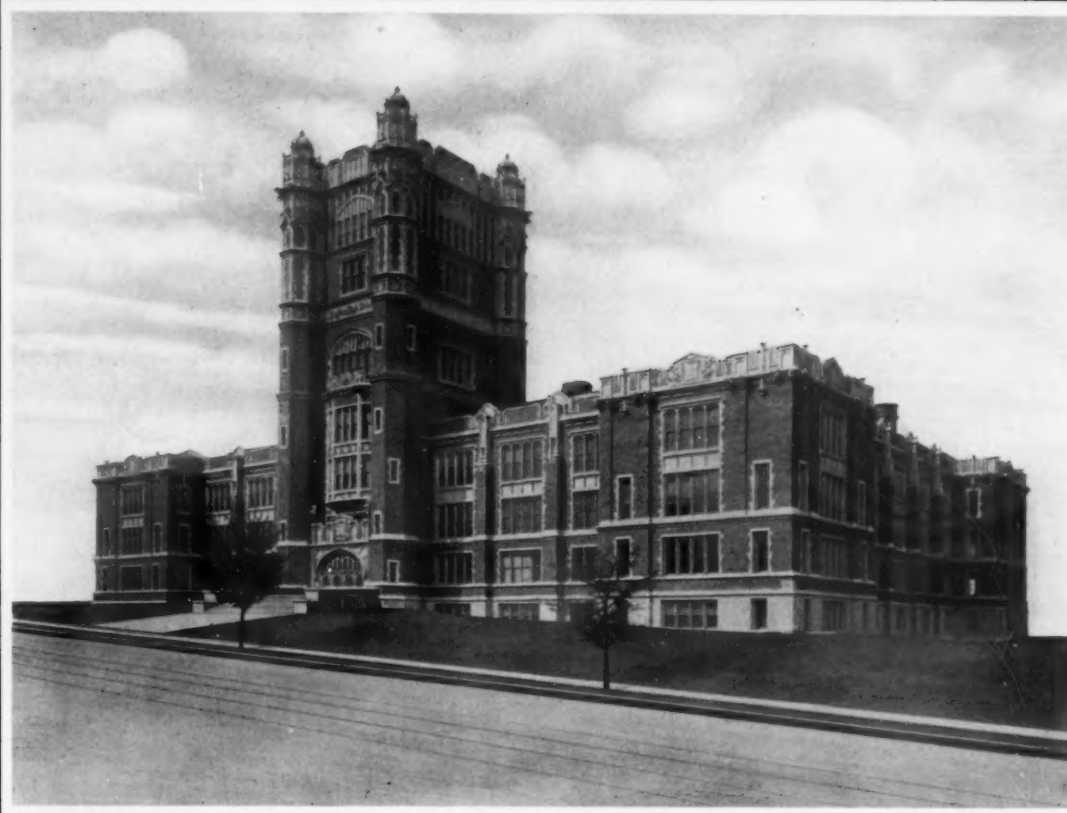
SPRINGFIELD.—Wm. L. Snyder will rebuild mill destroyed by fire.

TOLEDO.—Edward Ford, president of the Edward Ford Plate Glass Company, Rossford, has completed plans for tripling of plate glass factory; by middle of December contract for one of fourteen new buildings will be let and by Sept. 1, 1911, entire fourteen structures, costing over \$1,000,000 and covering sixteen acres, will be under roof.

TOLEDO.—City is considering open competition for plans for erection of proposed \$400,000 City Hall.

TOLEDO.—Enamel Vitrified Brick Company has been organized and will erect plant. J. J. Urschell, president.

UPPER SANDUSKY.—Council will consider erection of \$20,000 Carnegie Library.



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OREGON

KLAMATH FALLS.—County is planning to erect court house. Wm. S. Worden has been elected county judge.

PORTLAND.—Trinity Methodist Church is planning to erect edifice in Ladd Addition. Rev. W. E. Ingalls, pastor.

PENNSYLVANIA

ALDAN.—Architect E. A. Wilson, Land Title Bldg., Philadelphia, has prepared plans for erection of ten three-story suburban houses.

ELIZABETHTOWN.—Bids will be received until 10 a. m., Dec. 6 for erection of proposed Masonic Home. Borie, Zantinger & Medary, Fifteenth and Walnut Sts., Philadelphia, architects. George W. Guthrie, grand master.

HASTINGS.—Hastings Local, United Mine Workers of America, will at once rebuild theatre destroyed by fire.

PHILADELPHIA.—Ruthenian Catholic Church has purchased site for orphanage at Seventh and Parrish Sts.

Rebekah Home, Seventeenth St. and Allegheny Ave., will in near future erect building at 3205 N. Seventeenth St.

PHILADELPHIA.—Architects Anderson & Houpt are designing two-story store and hall building at Sixtieth and Dakota Sts. for Tuckahoe Tribe of Red Men.

Architect E. Allen Wilson, Land Title Bldg., is preparing plans for four-story store and apartment building at Broad and Butler Sts.; same architect has plans under way for office building and five three-story stores and apartments in Chester for General William G. Price.

PHILADELPHIA.—Architect E. Allen Wilson, Land Title Bldg., has completed plans for twelve stores and apartments at Sixty-first and Market Sts. for William C. Smith.

Henry L. Reinhold, Jr., architect, Tenth and Sansom Sts., is preparing plans for an apartment house containing twelve apartments for the Main Line Construction Company on Masonic Ave., Ardmore.

Philadelphia Rubber Works has purchased site adjoining present plant for erection of additional buildings.

PHILADELPHIA.—Plans have been adopted by Carnegie Library Commission for erection of library building at Conrad St. and Clintondale Ave.

PITTSBURG.—Nathan Spear, Penn Ave., will erect residence on Squirrel Hill. Cost \$75,000 to \$100,000.

PITTSBURG.—Henry C. Harkless will erect \$15,000 residence on Shady Ave., Squirrel Hill.

PITTSBURG.—Architect J. Edward Cornelius, 319 Third Ave., has prepared plans for erection of residence for Howard Foster.

POTTSTOWN.—Knights of Pythias are seeking site for erection of building.

SCRANTON.—J. J. Grier, West Market St., will erect brick store building at 119 W. Market St. Owen McGlynn, Wilkes-Barre, architect.

Dr. J. T. Downing is having sketches prepared for \$12,000 residence to be erected at Elmhurst Boulevard and Roosevelt St.

TYRONE.—Bids will be received until Nov. 26 by building committee, Board of Education, of Tyrone District, for erection of school on Lincoln Ave. and Thirteenth St.

SOUTH CAROLINA

AIKEN.—J. P. Shuler will erect \$8,000 residence. G. Lloyd Preacher, Augusta, Ga., architect, is preparing plans.

BARTON.—Plans have been completed by G. Lloyd Preacher, Augusta, Ga., for erection of school building.

BEAUFORT.—Architect G. Lloyd Preacher, Augusta, Ga., is preparing plans for erection of \$3,500 residence for E. E. Lengnick.

BRUNSON.—W. P. Hogarth & Son will erect \$3,000 store building. Plans being prepared by G. Lloyd Preacher, Augusta, Ga.

EUREKA.—Residence will be erected for B. F. Landrum at cost of \$3,000. Plans being prepared by Architect G. Lloyd Preacher, Augusta, Ga.

HAMPTON.—Plans have been prepared by Architect G. Lloyd Preacher, Augusta, Ga., for erection of \$5,000 church.

SOUTH DAKOTA

CHAMBERLAIN.—Bids will be received and contract will be let about Dec. 10 by the Order of Eagles for erecting three-story \$25,000 pressed brick and stone theater and lodge building, including steam heat, electric equipment and plumbing. Black Hills Co., Deadwood, architects.

TENNESSEE

BRIDGEPORT.—R. H. Hunt, of Chattanooga, will prepare plans for proposed new Baptist Church.

CHATTANOOGA.—Armour & Co., 200 Carter St., is considering erection of modern two-story \$25,000 building on Cowart St.

MEMPHIS.—Memphis Country Club will rebuild club house destroyed by fire.

MEMPHIS.—Memphis Methodist Conference has adopted report of Hospital Commissioners recommending erection of \$250,000 hospital.

NASHVILLE.—Art and Craft Association of Negro Women is planning to erect Settlement Home for Colored Children.

TEXAS

BYERS.—Independent School District will vote, Dec. 10, on \$12,000 bonds to erect school. W. H. Davis, president Board of Trustees.

CUERO.—Bids will be opened in January by Jas. K. Taylor, supervising architect, Treasury Department, Washington, D. C., for erection of proposed Federal building.

GREENVILLE.—Laud & Witchell, Wilson Bldg., Dallas, will prepare plans for erection of \$70,000 high school.

MARSHALL.—Plans and specifications are wanted for five-story brick office building. Address W. L. Martin, secretary Masonic committee.

MOUNT VERNON.—Franklin County will vote on erection of court house.

TYLER.—School Board has decided to take steps looking to the building of a new high school.

VIRGINIA

BRISTOL.—Methodist Episcopal Congregation will erect \$20,000 edifice. Site purchased. Rev. W. F. Pitts, pastor.

SALEM.—Marion Female Institute, now at Marion, will be established at this place. Building, to cost \$100,000, will be erected.

VIRGINIA BEACH.—Council is considering \$18,000 bond issue for erection of school and installation of sewer system. W. J. Wright, Mayor.

WASHINGTON

COLFAX.—Colfax Lodge No. 4, Knights of Pythias, will erect \$8,000 temple on Main St. Dr. J. F. Tift, chairman finance committee.

OLYMPIA.—State Capital Commission will ask Legislature for permission to issue \$2,000,000 bonds for erection of proposed State Capitol. Plans prepared.

SPOKANE.—Wm. H. Houston, Missouli, Mont., is planning to erect \$50,000 residence next spring on the Heights of Cliff Boulevard.

SPOKANE.—Karl J. Berggeuer will at once erect \$6,000 apartment house on Maxwell Ave.

TACOMA.—Committee, F. H. Skewis, chairman, has been appointed by First Methodist Church to secure plans for erection of \$125,000 edifice.

Rhodes Bros. will erect addition to store building at South Eleventh and C Sts. Warren Cuddy, manager. W. H. Snell, owner of building.

W. R. Rust will have plans prepared for erection of residence at Yakima Ave. and Sixth St.

WEST VIRGINIA

BLUEFIELD.—Main building of Athens branch of State Normal School, destroyed by fire, will be rebuilt.

HUNTINGTON.—Swan Printing Co. will erect modern business block in spring at Eleventh St. and Fourth Ave.

WISCONSIN

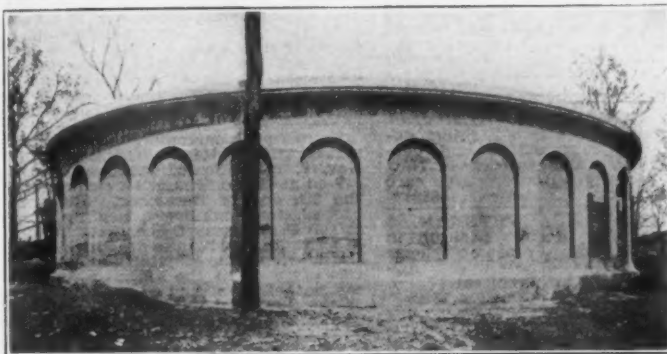
KENOSHA.—Board of Education has decided to erect eight-room school.

MILWAUKEE.—Because considered too high, all bids for erecting new central fire station at Broadway and Martin St. have been rejected by Department of Public Works; new bids will be called for.

MILWAUKEE.—School Board Committee on Buildings has decided to advertise for bids on ten-room addition to the Tenth District School No. 2, Ninth and Walnut Sts., to cost about \$35,000.

Home Savings Bank will erect \$5,000 building at 764 Third St.

STOUGHTON.—Mandt Wagon Co. has had plans prepared for erection of number of modern two, three and four-story brick buildings.



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WANTED — Architectural Draughtsman wanted. Must be experienced. State references and salary. Storey & Van Egmond, Architects, Regina, Sask., Canada. (1822-23)

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PROPOSALS

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. Copy received until 12 m. Monday.

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 14, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 27th day of December, 1910, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office at Missoula, Mont., in accordance with drawings and specification, copies of which may be obtained from the Custodian of site at Missoula, Mont., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1822-23)

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 12, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 22d day of December, 1910,

and then opened, for the construction (including the drainage system, etc., of the Appraiser's Stores at Boston, Mass., in accordance with drawings and specification, copies of which may be had at the office of the Custodian of site, or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1822-23)

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 14, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 23rd day of December, 1910, and then opened, for the installation of a heating and ventilating apparatus in the U. S. Post Office, Oklahoma City, Okla., in accordance with the drawings and specification, copies of which may be had at this office or at the office of the Custodian of site, Oklahoma City, Okla., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1823-24)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Nov. 21, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 28th day of December, 1910, and then opened, for the installation of a gas-piping system and a conduit and wiring system in the United States Post Office at Oklahoma City, Okla., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Superintendent of Construction, Oklahoma City, Okla., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1823-24)

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 26, 1910.—Sealed Proposals will be received at this office until 3 o'clock P. M., on the 26th day of January, 1911, and then opened, for the construction (including roof and ground surface drainage system), of the new building for the Bureau of Engraving and Printing, Washington, D. C., in accordance with drawings and specifications, copies of which may be obtained at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1823-24)

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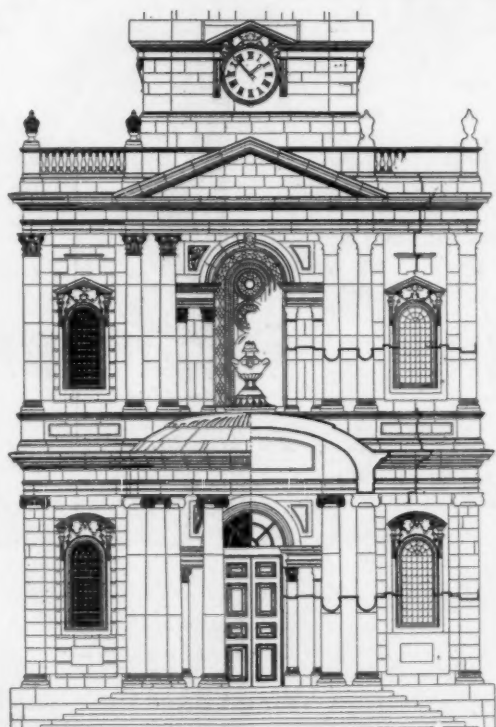
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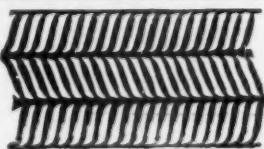
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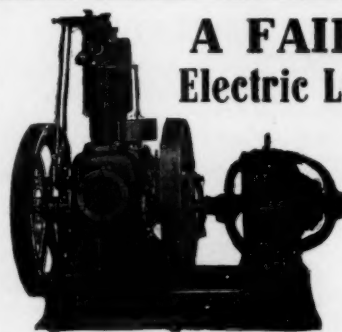
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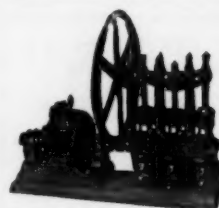
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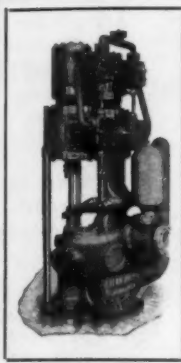
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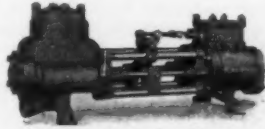
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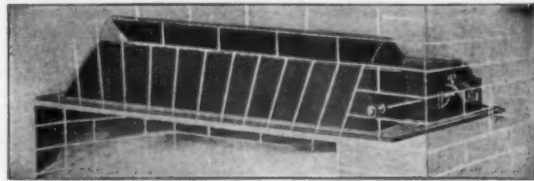
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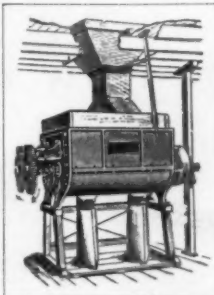
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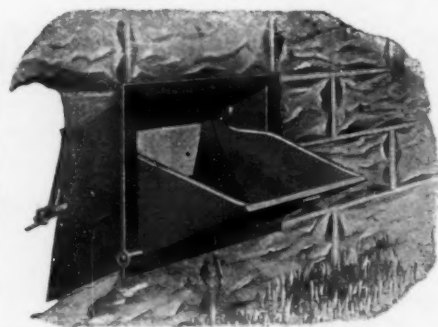
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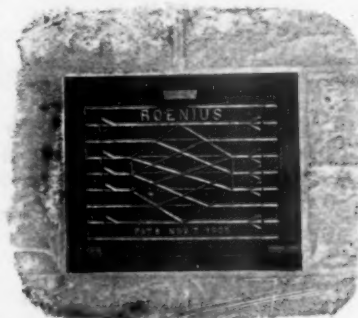
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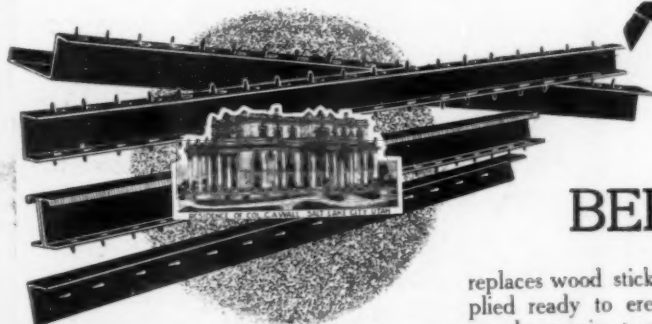
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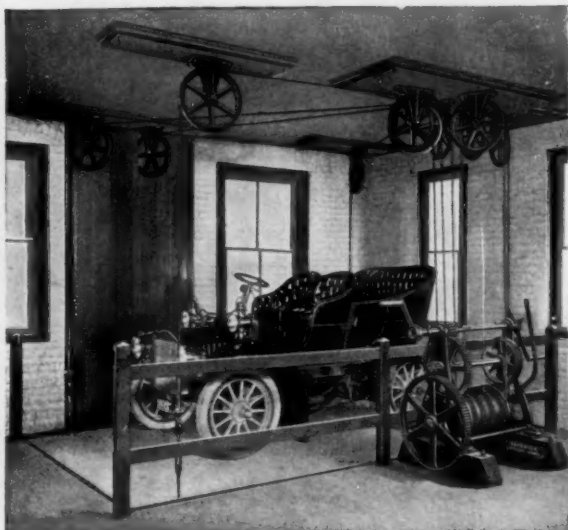
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**DAHLSTROM METALLIC DOOR CO., Jamestown,
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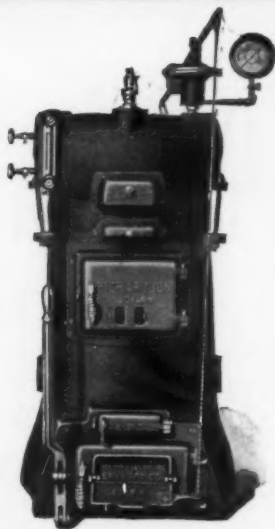
Plate G-194 (Patent applied for)

Here is something you have been looking for a long time, a combination lavatory and dental basin cast integral. Absolutely new and unique, and a fixture that will fill a long felt want. Furnished with special fittings as shown, which include bi-transit waste, three four-arm china handle and china index compression cocks, supply pipes with wheel handles, flask trap special waste connection, and flushing fixture for dental basin.

DIMENSIONS		LIST
Slab.....	20 in. x 27 in.	
Height of back.....	10 in.	Enameled inside, less fittings.....\$26.50
Depth of apron.....	5 in.	Enameled all over, less fittings.....28.50
Lavatory bowl 12 in. x 14 in.		Fittings as shown and described, complete. 27.50
Dental bowl.....	7 1/2 in.	If trap is not wanted, deduct.....5.00

NOTE: With the exception of the trap all the above fittings are made especially for this lavatory and must be furnished. This fixture is fitted up, water turned on and all fittings are carefully tested before shipment.

THE CAHILL IRON WORKS - - - Chattanooga, Tenn.
New York Office: 76 W. 36th St. Portland Office and Warehouse: 550
Thos. H. Hutchinson, Mgr. Sherlock Bldg.
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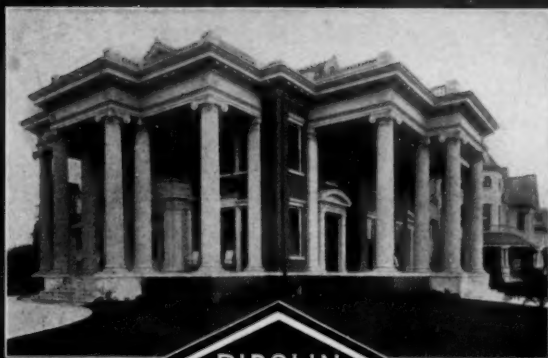
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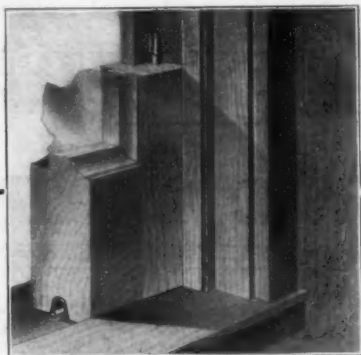
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Not every owner wants
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Edge Grain Flooring of Southern Yellow Pine solves the problem

It is recognized by archi-
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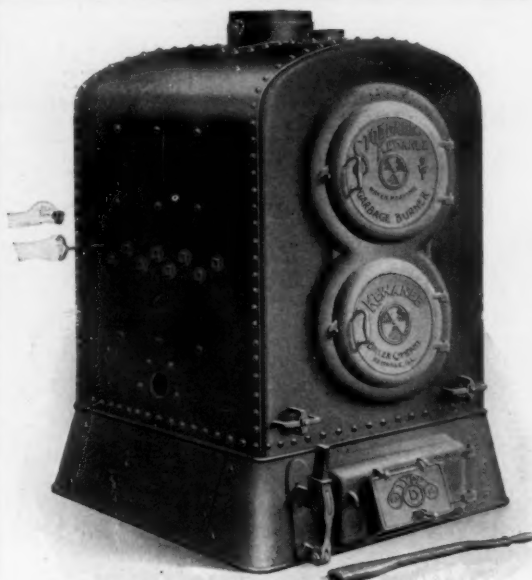
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for residences and apart-
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Specify it—to every-
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THE STODDARD-KEWANEE
GARBAGE BURNER
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It provides the cheapest way of heating water in large quantities and furnishes a practical and economical means of destroying mixed garbage, hospital refuse, household and other accumulated rubbish when and where it is produced.

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That is **Slate Shingles** for covering sides of buildings—a Slate especially planned by us for this particular use as to color, dimension and required strength. Size, 28" by 10" by $\frac{1}{4}$ ", with 13" exposure; nail holes drilled and countersunk.

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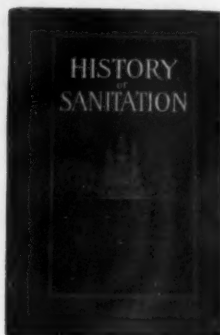
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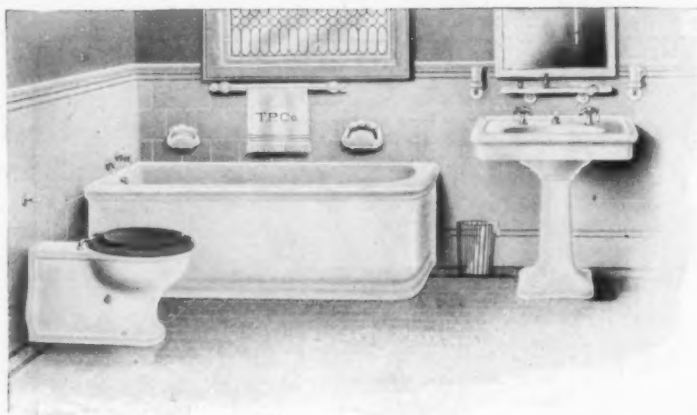
This assumes the use of regular finish and a mail box of stock design, for example, 1165. In a five story building the investment cost would be about 70 cts. per week. A trifle less than 2 cts. per day per story—the cost of a single postage stamp.

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modern improvement in its best form, and the only way to secure this is to specify the Cutler Mail Chute and insist on getting it.

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Should Find a Place In Your Specifications

ALL-CLAY FIXTURES ONLY

BATHROOMS of this character are being used extensively in many of the large hotels and apartment houses of the present time. Plan your building so these fixtures may be used. A two foot alley is necessary behind the partition, because the closet and tub have back supply and wall outlet. But the trouble saved later! Plumbing open and easy of access behind partition. Fixtures tiling in at wall, leaving no place for dirt to collect. As specialists in sanitary pottery *only*, we are competent to advise and experienced enough to know that the best pays best.

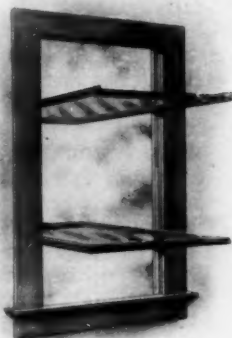
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Endorsed by School Boards, Architects and Builders

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A window that SLIDES UP AND DOWN and TURNS INSIDE OUT; that STAYS WHERE SET without any locks or catches; that BRINGS THE OUTSIDE TO THE INSIDE; that directs the DRAFT TO THE CEILING; that PROTECTS the interior AGAINST RAIN OR SNOW.

A window that is made right from California sugar pine. Will NEVER GET OUT OF ORDER, and in the end COSTS LESS.

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Let us send you partial list of users and full details. Right away. Start on a good thing quickly. Territories now being allotted.

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This Casement With or Without Transom is Especially Adapted to Office Buildings.



IN A CASE LIKE THIS

a closet seat should be more than handsome in appearance—it must be strong—else the seat will split or spring open at ends.

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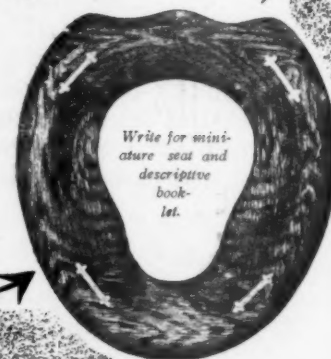
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Absolutely Guaranteed for Five Years Not to Split or Spread at Joints.

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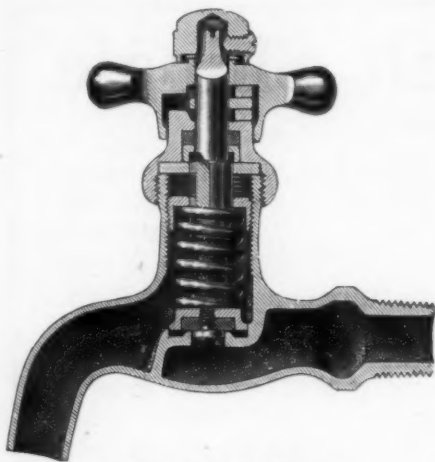
The Dutch Boy Painter trade-mark is also a sign of purity. White lead bearing this trade-mark stands the blow-pipe test and weather and time tests, too.



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For Reliable Performance

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Mueller Colonial Self-Closing work is made of Mueller Red Brass, a special metal mixture designed for plumbing goods. Every piece is subjected to a test of 200 pounds hydraulic pressure and is **Unconditionally Guaranteed**. Tests equivalent to 20 years' actual service have never materially lessened its serviceability.

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The rapidly growing demand for ESCALATORS is one of the most interesting phases of transportation development to-day, promising for this safe and practical equipment a place of first importance among historic public utility inventions.

In addition to the Escalator, the Eleven Electric Traction Passenger Elevators and Six Electric Dumbwaiters were also designed and installed by this Company.

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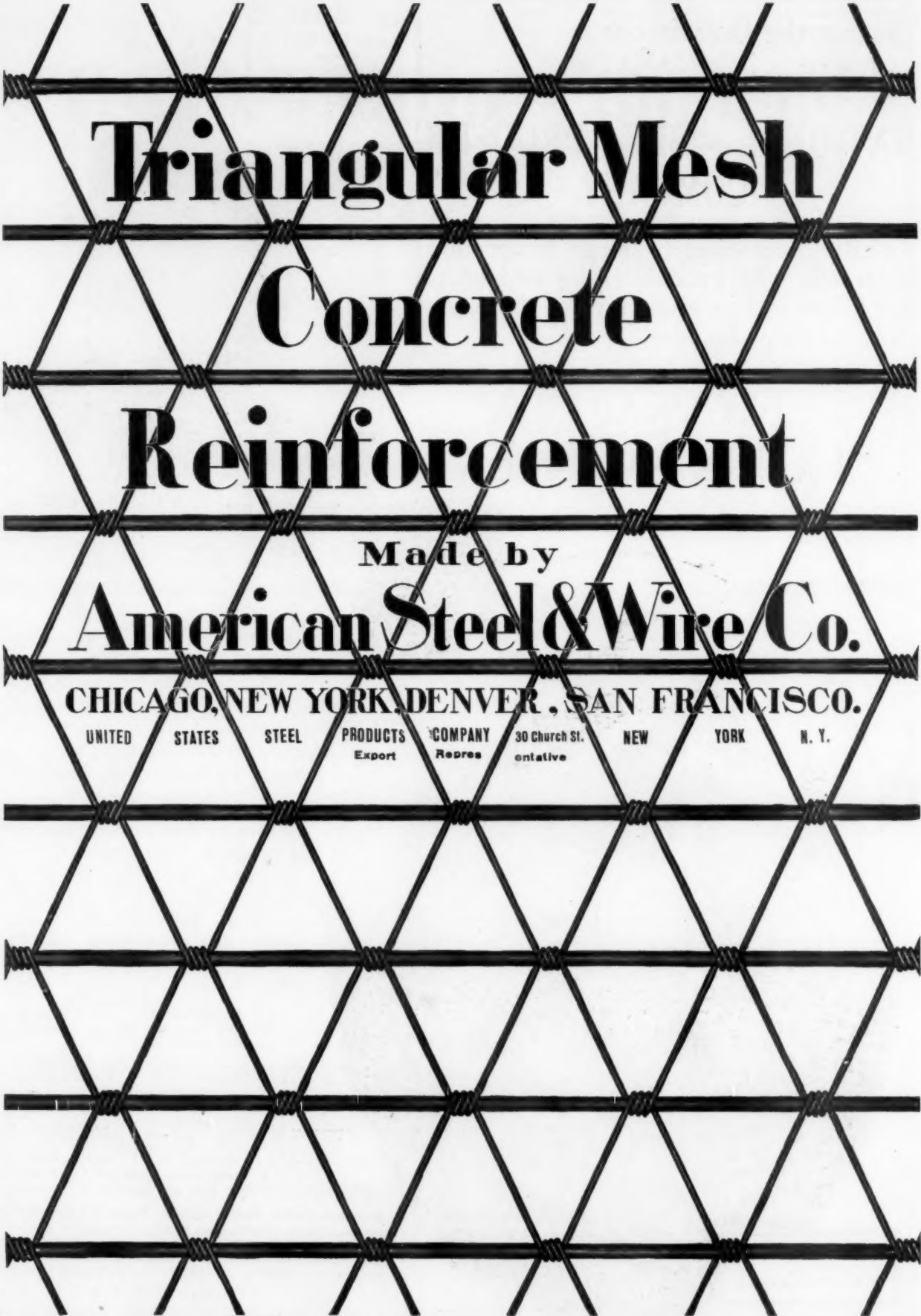
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The largest company in the world devoted solely to the business of fireproof construction in both Hollow Tile and Reinforced Concrete.

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Perfect Water Supply Service

The residences and bungalows illustrated on this page are provided with all the sanitary conveniences which would be possible with a good water supply service. In each, a liberal supply of running water is available at all plumbing fixtures and outside connections; and that supply has strong pressure behind it. This splendid water supply service is furnished by—



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In the Kewanee System, there is no attic or elevated tank to leak, freeze, overflow or collapse, or to mar the beauty of the scenery. Instead, a Kewanee Pneumatic Tank is placed in the **cellar** or buried in the **ground**. Water is pumped into this tank from any source of supply, with any good pumping power; and it is delivered to the fixtures by **air pressure**.

The Kewanee System is not an experiment—there are over 10,000 of our plants in successful operation. Every Kewanee System is thoroughly guaranteed—we take all the risk and responsibility.



Residence of Gen. H. O. Corbin. D. H. Burnham Co., Architects.

Mr. R. J. Bagby, whose residence is illustrated on this page, wrote: "The Kewanee System works perfectly and is satisfactory in every respect."

Rev. J. Wilbur Chapman, whose place is shown below says: "We are perfectly delighted with the Kewanee System which supplies our country house with water, and I wish again to thank you for sending me so fine an outfit."

Mr. B. M. Hord's compliment is this: "My Kewanee System is absolutely perfect."

Gen. H. O. Corbin said: "The Kewanee System works better than I thought possible—all like it very much."

Let us show you what we can do for **you**. We make no charge for our specifications and estimates. Our engineering department is at your service; and our broad practical experience will be of value to you.

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305 Diamond Bank Building, Pittsburg, Pa.



H. N. Edwards, San Jose, Cal.



Rev. Dr. J. Wilbur Chapman, Winona Lake, Ind.



B. M. Hord, Nashville, Tenn.

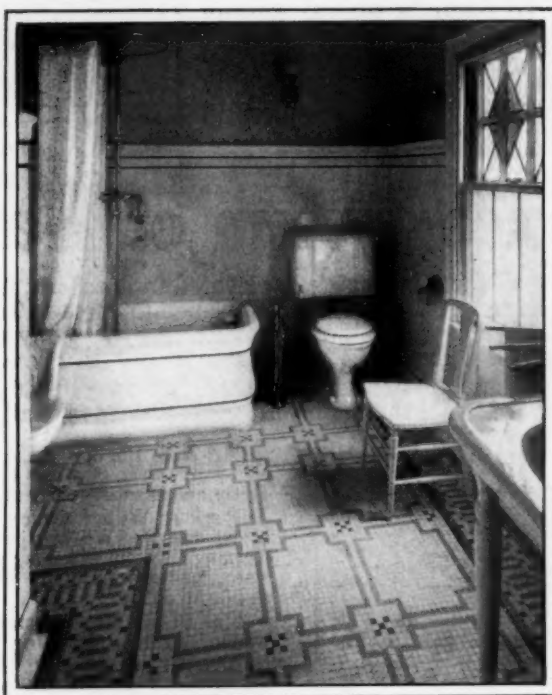
Three Bungalows supplied with water by Kewanee Systems



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An attractive bath-
room showing the
actual use of differ-
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AMERICA spends far less money on tile in household and other work than Europe, although far more money is spent upon building here than is spent there.

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We shall be glad to hear from architects who would like our cooperation.

THE ASSOCIATED TILE MANUFACTURERS

Room 14, Reeves Building, Beaver Falls, Pa.

The Lesson of the Singer Fire

Conflagration Prevented by the Fireproof Construction of the Great Tower

(Reprinted from the "New York Globe," Saturday, October 1st, Referring to the Singer Building, New York, Equipped with the Dahlstrom Products)

"What might have proved the most colossal flaming torch in history was reduced to a fizzle in the Singer Tower fire Thursday purely by foresight against just such an eventuality on the part of the architects of the structure.

What transpired was highly spectacular, not on account of what happened, but on account of what might have happened but didn't. Had the interior finish of the building been of woodwork, it would have meant a spectacle that all the millions of people of New York and for miles around would have rioted to see.

The fire, starting as it did in the small hours of the morning, on the twenty-sixth floor would have spread to the upper floors, the great pile would have become a giant chimney, and the sixteen upper stories as susceptible to the flames as the head of an enormous match, but, for all the ferocity of the fire in the room in which it started, it could get no further—all the damage it could do was to blister the inside finish of the doors and trimmings of steel.

Instead of all this, only a lesson was taught.

The lesson of modern fireproof building construction, absolute, Wood-appearing steel made every office a mere stove itself. When its interior inflammable materials were consumed the fire could but end. The steel doors, partitions and trim retarded fire progress—again proves that so far as the fire hazard is concerned, these gigantic monuments to American engineering skill can be and are made safer than even the one-story cottage.

And Thursday's fire presented the opportunity for advertising enterprise to be exercised. It was in the same editions of the afternoon papers carrying the news story of the fire the Dahlstrom Metallic Door Company inserted advertisements calling the public's attention to the fact that steel reduced the fire hazard during the Singer Building fire that morning. They claim in the half-page advertisement that appeared in this morning's papers that the Singer fire holds a lesson for every prospective builder. If the thought of the tenants' safety is to be considered, it does. The advantages of interior steel trim are certainly apparent."

For those willing to be guided by results attained in modern structures exemplifying the best practice of fireproof, sanitary, artistic, permanent construction we have published

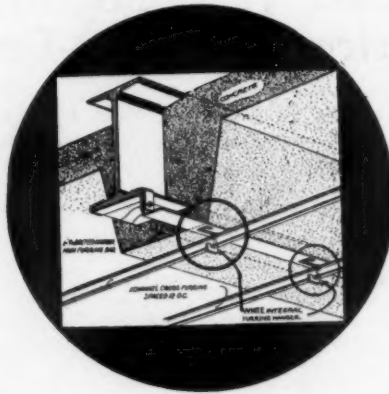
"Buildings As They Should Be"

—a book illustrating the interiors and exteriors of a few of the world's most prominent office buildings, apartments, residences, etc., that are equipped with Dahlstrom Metallic Doors, Partitions, Trim, Etc. To the interested a copy of this book is free for 6c. postage.



DAHLSTROM METALLIC DOOR CO., Executive Offices and Factory, 57 Blackstone Ave., Jamestown, N. Y.

Branch Offices in New York, Philadelphia, Washington, Chicago, Cincinnati, St. Louis, San Francisco, Denver and Seattle.



If the best costs least, why not use it?

WHITE INTEGRAL SUPPORTS offer the *best* way of supporting the cross furring bars of metal lath ceilings. Just as rigid and dependable as the old and excellent angle-to-angle method—but *cheaper*. Infinitely better than individual clips—and cost *no more*. Our booklet tells the whole story.

WHITE FIREPROOF CONSTRUCTION COMPANY
Engineers and Contractors

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The SIGN of
GOOD FIREPROOFING

Building No. 42, General Electric, Schenectady, N. Y., equipped throughout with over 50,000 square feet of United Steel Sash.



United Steel SASH for Windows of Factories, Foundries, Powerhouses, Warehouses, Industrial Buildings, and Fireproof Structures of All Kinds.

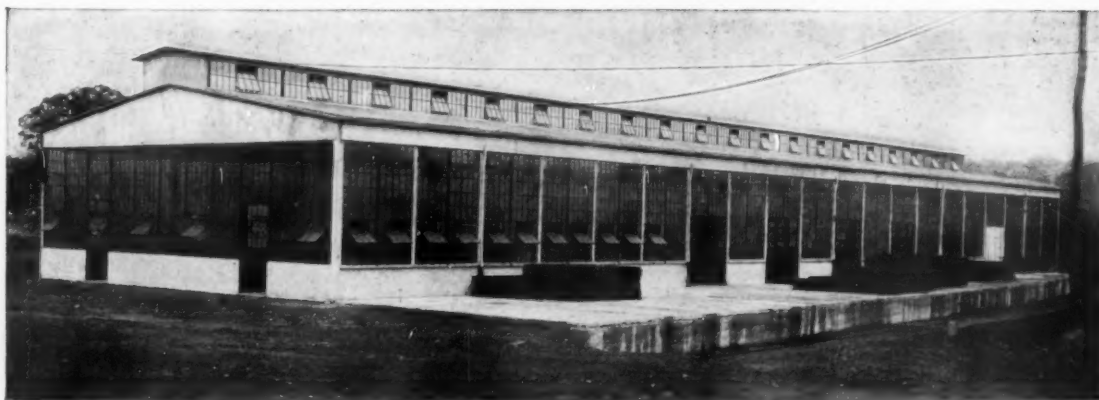
In modern buildings requiring maximum daylight, proper ventilation, and greatest permanency, UNITED STEEL SASH is an essential feature of the construction. The day of the wood sash is past, because they shut the daylight out, are short-lived and in case of fire spread instead of retard the flames. With UNITED STEEL SASH, your building is flooded with daylight and is fireproof and permanent to the highest degree.

The cost of UNITED STEEL SASH is low, and in the majority of cases they can be installed as cheaply as wooden sash. The economy and actual money saving in the UNITED STEEL SASH, which is proof against fire and decay, should appeal to all builders.

Trussed Concrete Steel Company

Detroit, Mich.

Kahn System Offices in Principal Cities.



One of the Buildings of the United Steel Sash Department at our Youngstown Shops.

(Continued on next page)

Page 1

United Steel SASH



Remarkable Strength of United Steel Sash—Eight Men Balanced on Ventilator.

CONTINUOUS DOUBLE CONTACT FOR CLOSED VENTILATOR

BRASS HINGE WITH GUN METAL PIVOT

DOUBLE CIRCULAR SURFACE CONTACT AROUND VENTILATORS. ABSOLUTELY WEATHERPROOF

SMALL AMOUNT OF PUTTY

SPRING STEEL CLIPS FOR HOLDING GLASS

CONTINUOUS LEDGE FOR RETAINING PUTTY

Cross Section Around Ventilator Frame.

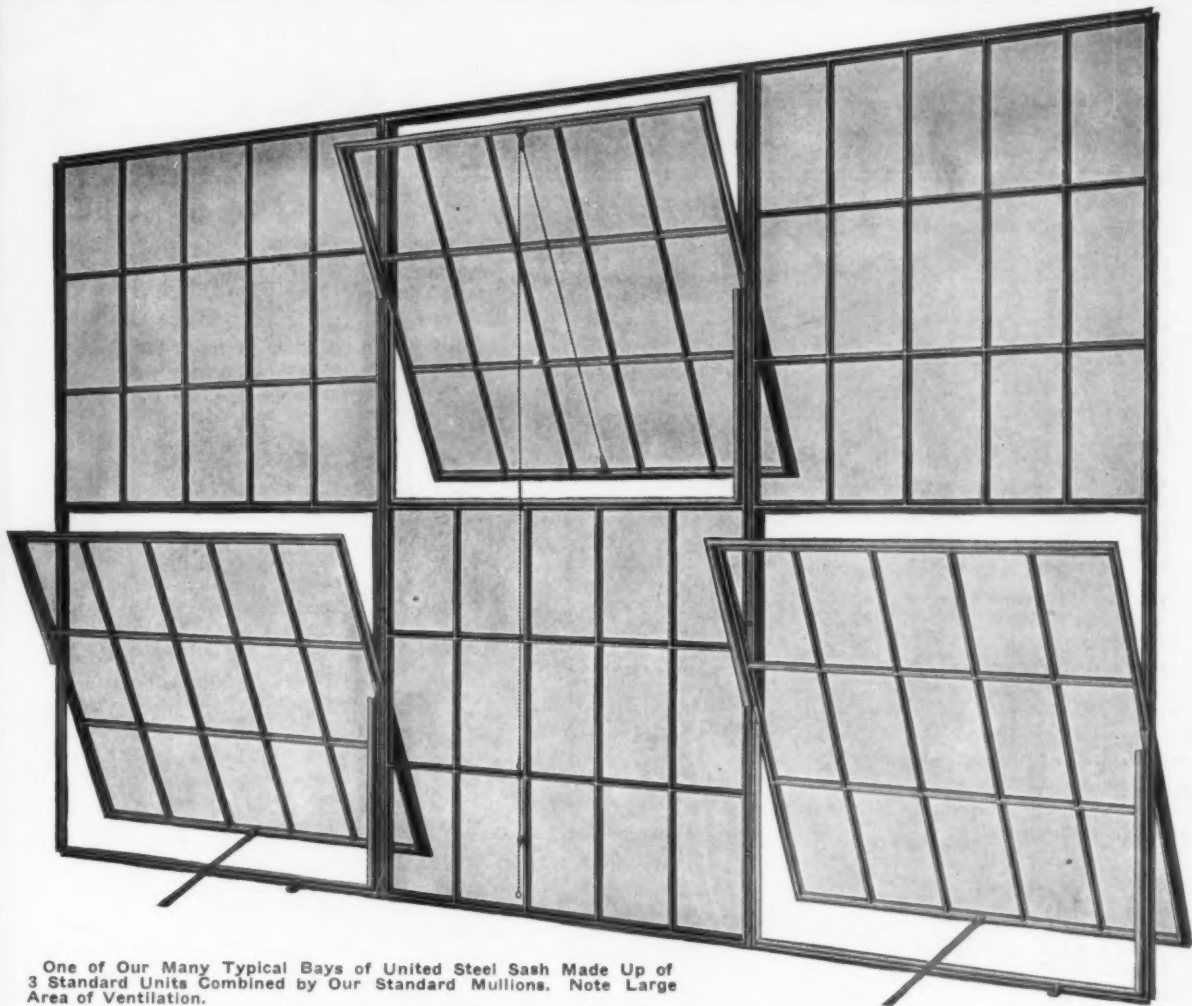
EASY METHOD OF GLAZING WITH SPECIAL SPRING CLIPS.

Vertical Section Through United Steel Sash.

TRUSSED CONCRETE STEEL COMPANY
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One of Our Many Typical Bays of United Steel Sash Made Up of 3 Standard Units Combined by Our Standard Mullions. Note Large Area of Ventilation.

United Steel SASH

UNITED STEEL SASH.—Is made of special rolled sections that are deep and narrow, machine-built, with multiple dies operated by powerful presses, insuring absolute accuracy, uniform finish and attractive appearance.

STRENGTH.—The deep sections are combined to form rigid symmetrical members without weakening the frame by punching, slotting or cutting away the metal at the joints.

WEATHERPROOFNESS.—Double circular surface contact around the ventilators forms a perfect weather-stop and prevents the entrance of drifting rains or drafts.

MAXIMUM DAYLIGHT.—With the UNITED STEEL SASH the entire area of the window opening is available for lighting. There is practically no obstruction to the light at the muntins, mullions, lintels or jambs.

GLAZING AND RE-GLAZING.—Our special spring clips reduce greatly the cost of glazing by doing away with troublesome iron pins and simplify re-glazing because the putty does not have to be removed from the surrounding lights, as is the case where iron pins are used.

VENTILATORS.—The ventilators extend the full width of each unit, affording a maximum amount of fresh air. The double circular surface contact assures absolute weatherproofness when the ventilator is closed.

UNIVERSAL ADAPTABILITY TO ALL OPENINGS.—Standard unit sizes are made to fit a large variety of glass sizes as follows: 10, 11, 12, 13 and 14 inches in width, and from 16 to 30 inches in height. In this way the United Steel Sash can be made to fit openings of practically any size.

WRITE FOR ESTIMATES AND DETAILS.—If you are considering any building work, secure our estimate for United Steel Sashes. Our engineers will furnish complete details, designs, suggestions, etc., without cost. Write for our large United Steel Sash Catalogue, full of valuable information.

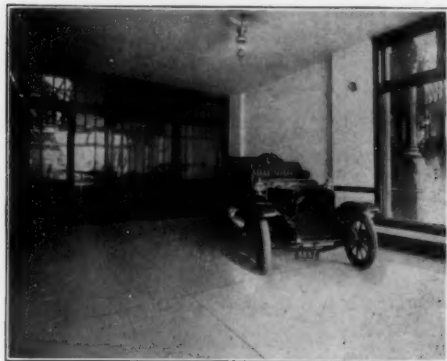
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WATERPROOFING AND FINISHING PRODUCTS

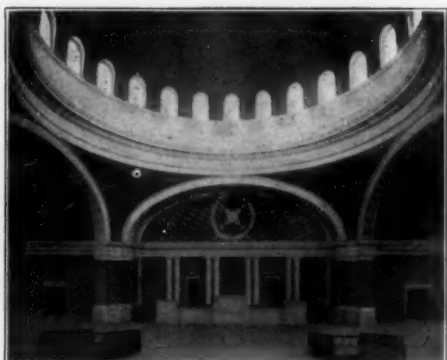


TRUS-CON FLOOR ENAMEL

Produces a tough, elastic, and durable surface on all concrete floors. Provides a continuous film that perfectly insulates the floor from direct contact with the friction of traffic that granulates and dusts it. Especially adapted for finishing and making dustless cement floors in factories, power plants, garages, asylums, hospitals, hotels and all buildings where concrete floors are employed.

TRUS-CON EXTERIOR WALL FINISH

For damp-proofing and beautifying exterior brick, stucco, and concrete surfaces. Replaces the cold and unattractive appearance of a masonry surface with an artistic, soft-toned finish that is thoroughly damp-proof. This product is especially prepared from selected raw materials and treatments to give a material that perfectly meets the requirements of a cement coating.

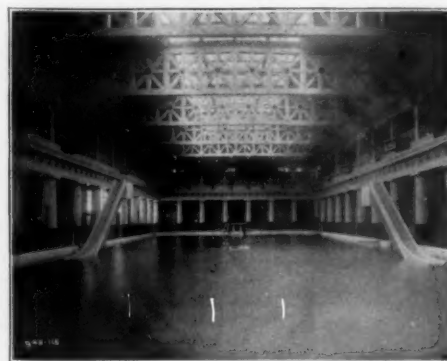


TRUS-CON INTERIOR WALL FINISH

These finishes are especially intended for damp-proofing and finishing interior plaster, cement and brick walls. They dry to a perfectly flat, dull finish, that insures the most attractive and artistic interior finish. The perfect sanitary and hygienic qualities of these finishes make them especially valuable for finishing residences, schools, public buildings, sanitariums, hospitals, and similar institutions.

TRUS-CON SNOW WHITE ENAMEL

High gloss, elastic and durable enamel for interior wall and woodwork decorative purposes. Especially applicable for bathroom walls, where a tile-like finish is required, and due to its extreme toughness, whiteness and washable qualities, this enamel is unsurpassed for general interior decoration. Perfectly meets the requirements of architects and master painters for an interior white enamel.



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WATERPROOFING AND FINISHING PRODUCTS



TRUS-CON WATERPROOFING PASTE

An integral waterproofing that successfully combines all the essentials of a perfect product. Is simple in its use, scientifically correct in its composition, and absolutely positive and reliable in results. Requires no expensive dry mixing, but is homogeneously distributed in the gauging water, adding to the strength of the concrete and rendering it absolutely impenetrable to water.



TRUS-CON LIQUID WATERPROOFING

A transparent product for damp-proofing all exterior porous masonry surfaces above grade line. Deposits in the pores of the surface a permanent water-repellent base that overcomes the positive absorbent nature of the surface without changing the physical appearance of the surface.

TRUS-CON PLASTER BOND

A bituminous damp-proofing coating for the interior of exposed brick, stone or concrete walls. It is but partially absorbed into the masonry and by remaining flexible and elastic furnishes a strong and permanent bond for a scratch coat of plaster troweled directly on it. Provides a continuous membrane in the wall, insulating the interior plaster and decoration from the continuous penetration of moisture through the wall.



TRUS-CON FOUNDATION COAT

A waterproofing bituminous coating of heavy consistency, especially applicable for waterproofing substructural work under light hydrostatic pressure. It is applied cold with a large brush or mop and provides a continuous waterproof coating free from microscopic pores. It indefinitely retains its tenacious bond to the masonry, remaining tough and elastic under wide variations in temperature.

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HY-RIB FOR PARTITIONS



HY-RIB combines both lath and studs in a single sheet, and saves five cents for every square yard of partition. Hy-Rib is erected complete in less time than the studs alone. Hy-Rib does away entirely with the expense and labor of attaching sheets of lath to the studs. The ribs are only $3\frac{1}{2}$ or 7 inches apart and are a unit with the lath, giving greater strength and rigidity than is possible with widely spaced and loosely connected studs. Hy-Rib sheets interlock at the sides and ends, making a continuous sheet of reinforcement throughout the entire partition. Solid Hy-Rib Partitions occupy a minimum space in the building, and increase the available floor area. ¶ The construction is very simple: set up the Hy-Rib sheets, plaster both sides and the partition is complete. Hy-Rib has been used with great success in partitions of all kinds—high or low, cement and lime plaster, cut up with openings and blank walls. Two types of Hy-Rib are supplied: 3-Rib Hy-Rib shown above, and 4-Rib

Hy-Rib shown on the next page. Furnished in U. S. Standard Gauges, Nos. 28, 26 and 24. Our Hy-Rib Catalogue contains complete details and specifications, free.



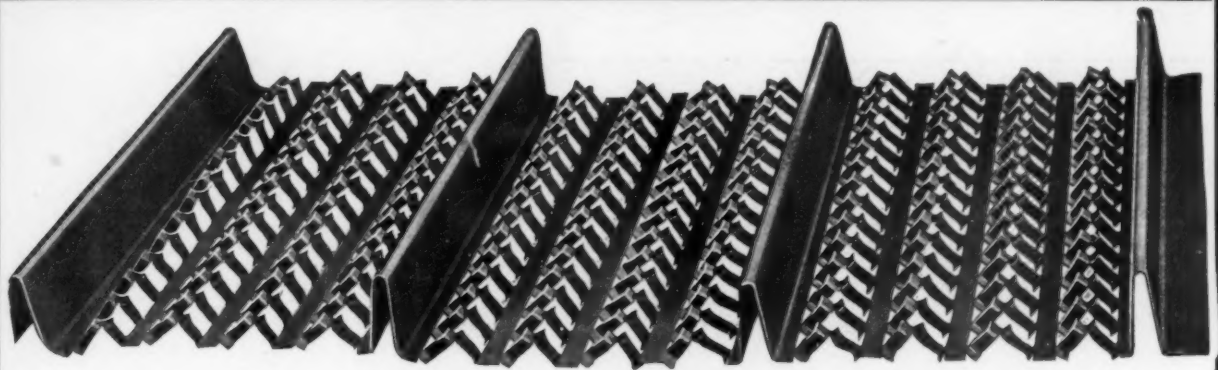
HY-RIB FOR CEILINGS

HY-RIB does away with the small channels, tees or angles necessary where the ordinary type of lath is used. The ribs of Hy-Rib give the necessary stiffness and rigidity, doing away with the expensive wiring of lath to a large number of separate members. Hy-Rib presents a straight, true surface for plastering, and provides a perfect key which prevents any dropping of plaster. Hy-Rib saves time and labor in installation and in plastering, and its initial cost is lower than the ordinary lath and separate channels. Our Hy-Rib Catalogue contains complete details and specifications, free.

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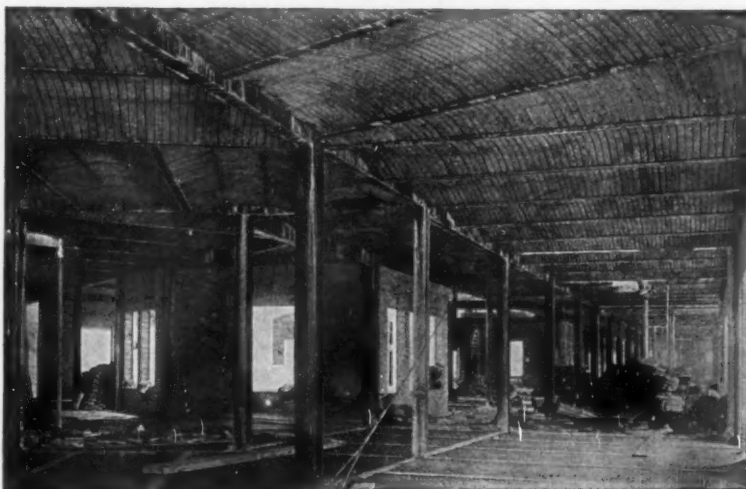


HY-RIB FOR ROOFS



HY-RIB does away with centering in concrete roof construction. The Hy-Rib sheets are laid over the supports, and the concrete poured in from above. No centering is necessary. The plaster is applied directly to the underside. By doing away with centering, Hy-Rib greatly reduces the cost of concrete roofs, making them almost as cheap as wood sheathing which is inflammable, or short-lived, leaky corrugated iron. With Hy-Rib a thin roof, light in weight, can be rapidly built at the lowest possible cost. Our Hy-Rib Catalogue with complete details and specifications, is free.

HY-RIB FOR FLOORS

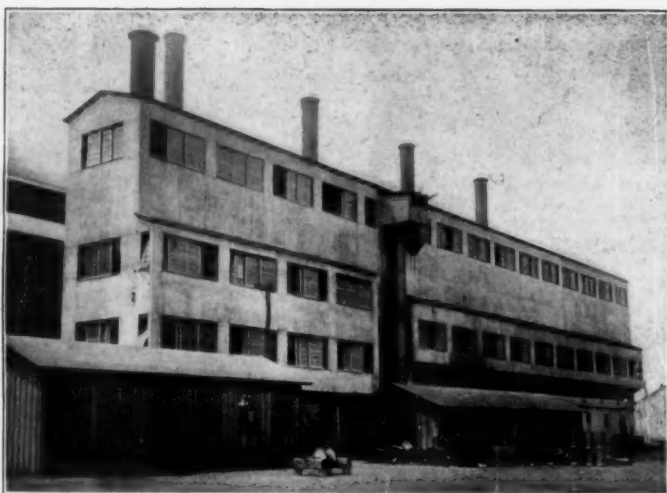


HY-RIB does away with centering in concrete floors. It is used with any type of beam—reinforced concrete, steel or wood. The Hy-Rib is provided in various forms, in flat sheets for spanning directly between the beams, in circular arcs for arched construction, and with center space and the ends curved, in which the Hy-Rib fireproofs the beams and forms reinforcement for the concrete. Our Hy-Rib catalogue contains complete details and specifications, free.

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Maryland Steel Co., Sparrows Point, Md.



Garage for T. H. Kane, Youngstown, O.



Residence for Miss Alice Henck, Santa Barbara, Cal.

HY-RIB for SIDINGS

Hy-Rib, plastered with cement, makes a solid wall, about two inches thick, costing considerably less than brick or other masonry construction, and more economical than wood sheathing or corrugated iron. Hy-Rib sidings are permanent, fire-proof, and give your building a clean-cut, modern appearance.

Hy-Rib sheets are attached to the steel framing, plastered with cement on both sides and the wall is complete. Hy-Rib is used for walls and sidings of buildings of all types—factories, warehouses, residences, barns, sheds, etc. Hy-Rib catalogue with complete specifications and details, free.

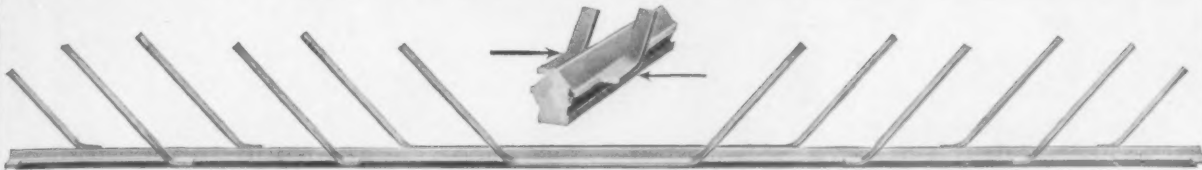
HY-RIB for FURRING

For furring outside and inside of walls, making them damp and moisture-proof, Hy-Rib is applied directly against the wall, with the lath surface outward, and the plaster is applied to the face of the lath. The ribs provide an ample air space for insulation back of the plaster and do away with the necessity for furring strips. An old wood frame house can be given a modern, stucco appearance by overcoating it with Hy-Rib and applying the cement stucco. Hy-Rib catalogue, containing complete details and specifications, free.

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DETROIT, MICH.



Insist on Rigid Connection of Shear Members



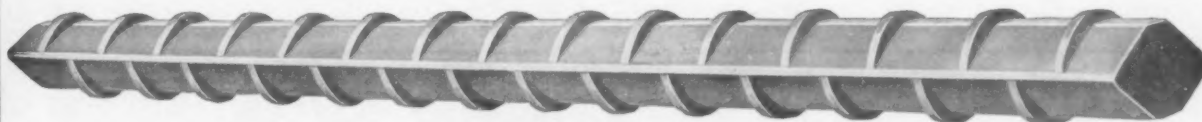
KAHN TRUSSED BARS

Kahn Trussed Bars save steel, because the shear members are formed from the flanges of the main bar which are ordinarily wasted, and thus do away entirely with the expense of loose stirrups.

Kahn Trussed Bars save labor of installing many loose bars, because the shear members and main bar are handled as one piece.

Kahn Trussed Bars safeguard your structure, because the rigidly connected shear members make its strength independent of the adhesion of the concrete, which may be destroyed by fire, shock or careless workmanship.

Kahn Trussed Bars make beams 20 per cent. stronger than where loose stirrups are used, as proven by University Tests.



RIB BARS

Stock or Mill Delivery—Rush Shipments—Lowest prices. Furnished in all sizes and either straight or bent.

BUILT-UP SPIRAL HOOPING FOR COLUMNS

Kahn System is the one organization with a complete line of products for Reinforcing Concrete.

See also our Eight-Page Advertisement in this issue.

TRUSSED CONCRETE STEEL CO.

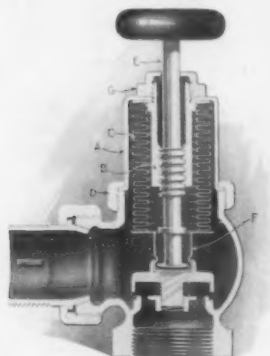
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Protecting the Client

The Architect is chiefly interested in specifying an article because he knows it will give satisfactory service to his client and uphold his reputation for foresight and good judgment. The day of engine room appliances on Radiator equipment is past. Radiators demand a valve that is specially designed for radiator surroundings; one that does not require an expert to repack at stated intervals, and that will not leak and spread ruin over floors, rugs, walls and ceilings.



Inner view, Sylphon Packless Radiator Valve. Angle Valve.

The Sylphon Packless Radiator Valve is an important application of the Sylphon Bellows. By means of this bellows the valve is hermetically sealed at all points around the stem, and its working parts protected from the steam and wash of the system. Having no perishable parts or packing, the valve is frictionless in operation, easy to open and close, and practically indestructible in use. It is the most absolutely and permanently tight Radiator Valve it is possible to produce.

Complete descriptive booklet, "IDEAL SYLPHON HEATING SPECIALTIES," free on request.

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is a Positive Waterproofing of the Cement itself. Compound 7 cents per pound, any R. R. Station. Mixing machine loaned free with quantity orders.
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1,250,000 BARRELS ANNUALLY
HIGHEST QUALITY
THE BEST THAT CAN BE MADE
Chicago Portland Cement Company
108 La Salle Street CHICAGO, ILL.

KIMBALL PIPE ORGANS
WON HIGHEST AWARD

At the Alaska-Yukon-Pacific Exposition, Seattle, 1909. Special mention was made of the Tubular Pneumatic System (U. S. Patent) used in Kimball Pipe Organs, stating it "has solved a great problem that has vexed organ experts for years."

W. W. KIMBALL COMPANY Pipe Organ Builders CHICAGO (1)

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CURRENT NEWS *and* COMMENT

The Need for Adequate Buildings for Exhibitions of the Fine Arts

The fact, frequently referred to in these columns, of the need in the larger cities in this country of adequate buildings wherein to hold exhibitions, is emphasized by conditions prevailing at present in Baltimore.

In art matters there can be no greater stimulus to the activities of the artists than an exhibition of current work. Exhibitions are also the best means of educating the public to an appreciation of good art, not alone of its accomplishment in their own city, but throughout this country and Europe. Experience has proven many times the value of exhibitions—the exhibitions of the two great Spanish painters, held in the Hispanic Society's museum last winter and that of the collection of contemporaneous German paintings at the Metropolitan Museum, are recent important instances.

A writer in the *Baltimore News* commenting on conditions in that city, says:

Before the coming of the Lucas and King collections to the Maryland Institute, the galleries of the Mt. Royal Avenue building afforded accommodations which made possible one or two good shows, at least, during the winter, but, owing to the large number of pictures included in the recent acquisitions, it appears, *prima facie*, that such affairs will be possible there no longer. It is true that a temporary clearing of the walls or the erection of screens would again put the galleries into condition for exhibition purposes, but there has as yet been no assurance given that this will be done.

If, then, plans for future large displays must be abandoned, art in Baltimore is in jeopardy of being forced backward instead of forward, and the progress toward that higher plane of enlightenment and appreciation which exists in many other cities the size of this one (and not nearly so favorably situated), evidences of which progress have been so encouraging during the past few years, will receive a severe shock.

Never has Baltimore's need of a public gallery been more forcefully demonstrated than in the present situation.

For Better Types of Schoolhouses on the Pacific Coast

The Architectural Club of Portland, Ore., working with the Civic Council, is preparing data furnished by Mr. J. A. Curry with reference to schoolhouse construction throughout the United States, in an effort to secure the construction of safer school buildings. It appears that schools are not built on the coast with that wise regard to their fireproof condition which the Architectural Club naturally considers important, and the present movement is towards not only safer construction but a higher class architecturally.

Sanitary Homes for Working Men

An interesting feature of the coming Cement Show in New York, December 14 to 20, will be a model of the

concrete cottage which was awarded the first gold medal in a competition for designing inexpensive and sanitary working men's homes, held at the recent National Congress on the prevention of tuberculosis. This house was designed by Mr. Milton Dana Morrill, architect, of Washington, D. C.

The material employed is reinforced concrete throughout, and the house is of the two-story, five-room cottage type. The walls are eight inches in thickness, and the floors are four and one-half inch reinforced slabs. Every room has windows on at least two sides. The windows are casements, opening outwards: there is no trim.

The monotony of the exterior is relieved by the introduction of window boxes, and the application of restrained decoration in ornamental concrete.

The cement floors being pitched to plugged spouts, discharging on to the lawn, the house may be thoroughly cleaned with a hose. This excellent feature, combined with "sanitary" corners, insures the easy and thorough cleaning so essential in dwellings of this type.

OBITUARY

CHARLES WILLIAMS CLINTON, F.A.I.A.

Charles Williams Clinton, senior member of the architectural firm of Clinton & Russell, New York, died at his home in that city on December 1.

Mr. Clinton was a charter member of the Institute, organized in 1857, and was created a Fellow in 1864. His ancestry was truly American. He was closely related to families in New York State whose members held important positions in the affairs of the colony and afterwards state of New York.

Born in New York City in 1838, Mr. Clinton after attending the public schools took up the study of architecture under Richard Upjohn. He devoted his whole life to his chosen profession in which he was very successful. Among the best known examples of his work are the Mutual Life Insurance Building, Seventh Regiment Armory, Bank of America, Mechanics Bank and the Continental Insurance Co. In association with Mr. Russell his firm designed Exchange Court, Wall Street Exchange, Hotel Astor, the Seventy-first Regiment Armory and other important buildings in New York and other cities.

PERSONAL

Milton B. Medary, architect, announces that he has moved his offices from 1414 South Penn square to the Dexter Building, at the northeast corner of Fifteenth and Walnut streets, Philadelphia.

James Russell Harris, architect, announces that he has moved his offices from 1414 South Penn square to the Dexter Building at the northeast corner of Fifteenth and Walnut streets, Philadelphia.

NEWS OF THE CHAPTERS AND SOCIETIES

The Cleveland Chapter of the American Institute of Architects and the Cleveland Architectural Club will hold their annual exhibition in the Engineers' Building from December 19-31, 1910.

LOUISVILLE ARCHITECTURAL DRAUGHTSMEN TO ORGANIZE

We learn from local papers that the architectural draughtsmen of Louisville, Ky., have held meetings preliminary to the organization to be known as "The Architectural Draughtsmen of St. Louis."

As the meetings have been largely attended and much enthusiasm displayed, it is confidently expected that the new organization will soon be launched, for which a wide field of influence is assured.

MINUTES OF MEETING OF SAN FRANCISCO CHAPTER, AMERICAN INSTITUTE OF ARCHITECTS

The annual meeting of the San Francisco Chapter, A. I. A., was held at Tait's Café on Thursday afternoon, October 20.

The minutes of the special meetings of September 15 and October 19 were read and approved. On motion duly made and seconded, the usual order of business was dispensed with and the chapter proceeded under the head of new business. The president then announced that balloting would commence for the election of officers to serve the chapter for the ensuing year.

Reports of various committees were read and approved.

On motion of Mr. Dakewell, duly seconded, it was carried that this chapter send a communication to the municipal authorities, to the effect that the time for doing the architectural work of the city by the municipal office had passed and that a new method of carrying on the city work be proposed. It was proposed by Mr. Frederick Meyer that the preceding motion be amended by the appointment of a committee to wait upon the mayor and suggest the desirability of abolishing this office. On motion of Mr. Polk it was finally moved and carried that a committee be appointed and instructed to inform his honor, the Mayor, that, in the chapter's judgment architects should be selected to do the work of the city either by competition or appointment.

On motion of Mr. Schnaitacher, duly seconded, it was decided to print the annual reports of the officers and committees and distribute the same among the Chapter members.

Brief addresses were made to the Chapter by Messrs. Schulze, Polk, Frank Shea, McDougall, J. W. Reid and Albert Pissis. A letter from Mr. L. C. Mullgardt was read by Mr. W. B. Faville.

There being no further business before the Chapter, on motion, duly made and seconded, the meeting adjourned at 11 P. M. to the call of the Chair.

MINUTES OF THE NOVEMBER MEETING TEXAS STATE ASSOCIATION OF ARCHITECTS

The third annual meeting of the Texas State Association of Architects was held at the St. Anthony Hotel, San Antonio, on November 10, 11 and 12, with 43 members in attendance.

In the absence of the president, Mr. J. E. Flanders, of Dallas, the first vice-president, Mr. James Wahrenberger of San Antonio, presided.

Twenty-three applications for membership in the Association were received and the applicants admitted.

The principal business before the meeting was the consideration of rules of practice and canons of ethics and the discussion of the measure regulating the practice of architecture, which is proposed to be brought before the legislature in January.

The rules and canons of ethics of the American Institute of Architects were adopted by the Association, with the exception of Sections 4, 13 and 14, which were not deemed expedient to adopt at this time owing to local conditions.

The license bill, as adopted by the Association for presentation to the legislature, is in general conformity to those in force in the states in which architects are licensed.

On the question of affiliation with the American Institute of Architects, action was deferred until the next meeting of the Association.

The following officers were elected for the ensuing year: James Wahrenberger, president, San Antonio; J. E. Overbeck, first vice-president, Dallas; E. Stanley Field, second vice-president, Fort Worth; A. O. Watson, third vice-president, Austin; M. R. Sanguinet, fourth vice-president, Fort Worth; C. V. Seutter, fifth vice-president, San Antonio; Roy E. Lane, sixth vice-president, Waco; F. B. Gaenslen, secretary-treasurer, San Antonio.

Fort Worth was selected as the meeting place in 1911. On the evening of November 10, at the St. Anthony Hotel, a banquet was given by the San Antonio Society of Architects to the Association. On the following day an automobile ride was taken through the city and a smoker given in the evening.

MINUTES OF COLORADO CHAPTER, AMERICAN INSTITUTE OF ARCHITECTS, DENVER, COL.

The monthly meeting of the Chapter was called to order, the President in the chair.

The Committee appointed to act for the Chapter, in presenting a testimonial to our retiring Secretary, Mr. Wm. Cowe, presented the following resolution, which was approved by the Chapter:

Whereas, Mr. William Cowe, having at our last annual election of officers asked release from further service as secretary of this Chapter, which request was granted with reluctance, it is proper and a pleasure that we call to mind his long and valuable service.

Mr. Cowe was elected secretary of this Chapter September 10, 1900, succeeding our lamented Mr. Kidder. In the ten years' continued service of Mr. Cowe the Chapter owes to his love for the tenets of the profession; his painstaking, thoughtful consideration of its welfare and his conscientious sacrifice of personal business and time to his duties as secretary, the elevation of this Chapter to a high plane of efficiency, professional ethics and usefulness to each other and the community at large.

His studiousness and skill thereby attained in the profession; the sincerity and tactfulness of his intercourse with fellow architects; his unselfishness, charity, patience and faith in ultimate results; the wisdom of his intercourse with members of kindred organizations and the American Institute of Architects, of which he is an enthusiastic member in enviable standing, and his absolute fairness and upright dealing with his competitors, his clients and contractors; in short, his high standing as a gentleman in every sense of the term may well be held up as a standard to be followed by all of us.

With his retirement from the secretaryship we feel that we shall not altogether lose the value of his service. We believe that as the example he has set us in the past has and will continue to rebound to the betterment of the profession in and out of this Chapter; that as an unofficial member we shall still profit by his example as such.

ROBERT S. ROESCHLAUB, President.

The report of the Committee on Plumbing ordinance

was duly considered and decided to turn their revised report over to the plumbing inspector for his inspection and suggestions and report to the Chapter at our next regular meeting.

It was moved and seconded that the Executive Committee appoint such committee or committees as it may deem necessary to devise ways and means for the entertainment of the delegates to the annual meeting of the A. I. A., while passing through our city, January 12th, 1911.

The matter of entertainment of the delegates was discussed and much enthusiasm was shown by all present. All members seemed to feel it was an opportunity to show our visitors that the true western feeling of hospitality still lives and that we should one and all take it upon themselves, both collectively and personally, to see that the visitors were shown our city, which we have reason to be proud of, in the proper manner. It was the feeling of the meeting that we should have a dinner at one of our leading hotels, after showing the visitors around the city.

Messrs. R. S. Roeschlaub and T. F. Walsh were elected as delegates, and Messrs. Cowe and Biscoe as alternates to the above meeting in San Francisco.

An appropriation of \$100 per delegate towards expenses was passed.

An adjourned meeting, to hear the report of progress from the Executive Committee, was ordered to be called by the President.

Such adjourned meeting will be held in the office of Baerresen Bros., 613 Mack Building, on Tuesday November 15th, at 8 P. M.

ANNUAL BANQUET COMMEMORATING THE FOUNDING OF THE PHILADELPHIA CHAPTER A. I. A.

Two Interesting Addresses by C. Howard Walker and Joseph Pennell

The forty-first anniversary of the founding of the Philadelphia Chapter, A. I. A., has just been commemorated by a banquet held at the University Club at which about fifty members and guests were present. Mr. E. A. Crane was chairman of the committee on arrangements.

Wm. D. Hewitt, the president of the Chapter, presided and Frank Miles Day acted as toastmaster. There were but two speakers, one being C. Howard Walker, the Boston architect, and the other Joseph Pennell, the illustrator.

Mr. Walker's address was an earnest plea for the cultivation of the artistic sense in the architect's work. He pointed out that it is always difficult to associate a business with an art and that the architect is expected to preserve an adequate balance between the two. He insisted that while under our modern conditions the architect has in his hands the direction of a vast number of people and the disposition of large sums of money he must not allow the artistic end of his profession to be veiled by the mists of business.

He said "American architecture has received the praise of architects of other nations because of its virility and its direct attack of modern problems. These virtues are those of ordinary common sense, and are not enough in themselves to justify much self-satisfaction. If we did not possess them, we should be poor indeed, and if we consider them sufficient, our estimate of architecture is low. The stress of education and effort should therefore be toward obtaining distinguished work in addition to utilitarian work, toward being artists in the profession as well as artisans. There has been too much said and too much praise accepted for work on account of its cost, its size, and its answering merely the conditions of utility, too little said in regard to its being a work of art. The buildings which have received the recognition of successive generations of men and which have been preserved as monuments even beyond their utilitarian usefulness have not been those that merely answered the conditions of their time and did nothing else. They have been those which were works of arts and therefore too valuable to be destroyed. The architect realizing this fact may well devote his efforts toward distinguished work, and fail to recognize the

commendation received for virility and good sense as being sufficient to warrant the name he bears, that of an architect, dealing with the most comprehensive and noble of the 'fine arts.'"

Mr. Walker's reference to the fact that many of the truly great examples of our earliest architecture had been preserved long after their original usefulness had gone by, because they compelled attention and demanded preservation by their very excellence, their distinguished quality of finesse, started Mr. Pennell on a similar vein.

He took the point that Philadelphians, and he was originally one, were not doing all that they should to keep the best of their old buildings free from desecration and destruction.

He said, "Right here in Philadelphia you have some of the very finest things in the world, and in many ways your city is the most artistic in the world. Only you don't seem to know it or you would take better care of your fine old buildings. Each time I come back here I find that some of the very good ones have gone since my last visit, and at the present rate there will be none left at all after a few more years. It is a crime, for Philadelphia possesses some veritable treasures in the way of colonial buildings.

"You in American don't seem to appreciate what you have all over your country. For instance, there is nothing in the world to equal the view as you come up the New York harbor. It is superb. I got up just before sunrise and clambered up on the deck of the Oceanic, as she lay at quarantine, and I tell you the sight I beheld of New York harbor in the sunrise was one of the most beautiful and inspiring I ever set my eyes upon, and I have traveled very extensively.

"The artists of Europe feel that you in America have done something real and great. They feel that you, as a people, are following out your traditions, though you appear to be unconscious of it. Those great 'skee scraps,' as the French call them, are indicative of a fine, solid achievement in architecture and they are the natural growth out of your traditions and necessities. They are not in any sense imitative of anything, and you ought to be proud of them and of your great cities.

"I traveled to-day out to Stanton and visited the fine old house there which has been preserved by the Daughters of the Revolution. Now that is one of the very finest buildings in all the world, and yet the people of Philadelphia never boast of it, and most of them do not even know that it exists. Two of the rooms upstairs are simply superb.

"There is altogether too much of this talk about the art and architecture and beauty in the countries of Europe. There is plenty of all these in the United States and a heap of them right in Philadelphia, but it seems that you must get away from the city for a space before you get to know what you have here at your home.

"And above all you should preserve your traditions, the traditions of America and America alone, and develop upon them as a basis rather than go back to the past and drag out here on this continent some imitation of a defunct style and age.

"You are not growing old as they already have on the other side, and the finest thing about you is your inexhaustible and magnificent virility. Only you need to live elsewhere for a while in order to come back and appreciate for the first time what beautiful things you have here."

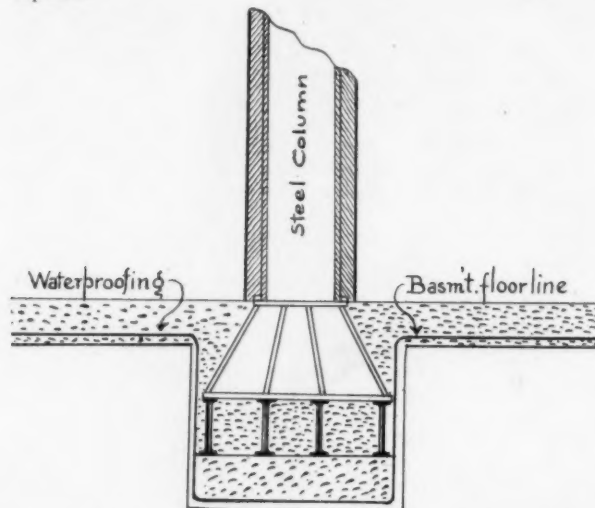
At the conclusion of Mr. Pennell's remarks his attention was called to what the Chapter's committee on the preservation of places of historic interest had already done in co-operation with the city government toward the restoration of Congress Hall, which will forever secure it to the nation.

Further than this, his ringing remarks touched a responsive chord and it was formally resolved that the Philadelphia Chapter would undertake to secure the active participation of all the historical, patriotic and other similar societies in the city in a concerted movement to locate, survey, record and preserve the notable or historically valuable examples of Philadelphia architecture.

This action by the Philadelphia Chapter, it is hoped, may result in calling attention to the necessity for just such action by similar bodies in other cities throughout the country to the end that through united effort, possibly under the leadership of the American Institute of Architects, there may yet be formed a body like that in England known as the National Trust for the Preservation of Places of Historic or Natural Beauty.

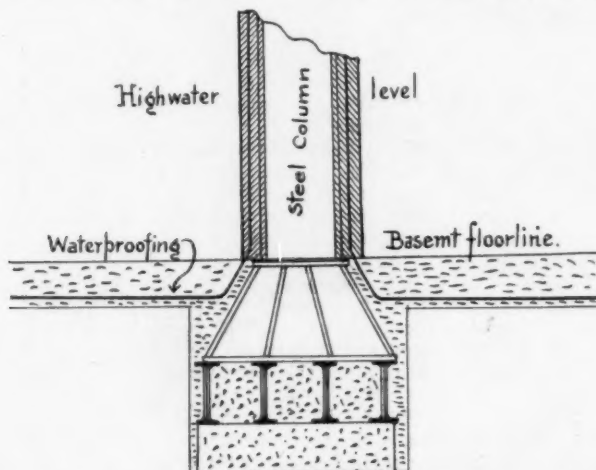
Waterproofing

The subject of adequately protecting not only the rooms, areas, cellars and necessary pits occurring below water line in modern structures but the structural members and elements themselves, from water and moisture, is receiving an increasing amount of attention from architects and engineers. It is also pretty generally realized that the danger from stray electric currents or other destructive agencies is real, and one that demands protective measures on the part of the designer. As a result, the practice of waterproofing with an insulating membrane the footings of columns and walls supporting and constituting a part of important structures is becoming the rule, whereas it was but recently the exception.



MANNER OF APPLYING MEMBRANE METHOD OF WATERPROOFING NOW MORE GENERALLY EMPLOYED

The change is in the direction of better construction and more permanent buildings, and therefore one to be commended. In undertaking it the architect is confronted with the problem of materials and means, and upon his selections will depend largely the results obtained. The methods most commonly employed, from which it may perhaps be inferred that satisfactory



OLDER MEMBRANE METHOD, LEAVING BASE OF COLUMNS AND FOOTINGS SUBMERGED AND EXPOSED TO POSSIBLE INJURY FROM ELECTROLYSIS, ETC.

waterproofing has been secured, at reasonable cost, seem to be those of using felt in a number of layers, stuck or cemented together with a cementing material possessing certain essential properties. The requirements of the felt are that it must be tough and durable, and at the same time soft and pliable. The cementing material must be of such a nature that it will absolutely repel water and moisture and be unaffected by it. It must also remain elastic and to a certain degree pliable in the coldest temperature, and yet be sufficiently firm not to soften and run when exposed to the heat of the sun in summer.

Manifestly, such materials as are here described are not easy to manufacture or readily obtainable from a great many sources. It is of greatest importance, however, that materials designed for the purpose of waterproofing possess the properties indicated, and it therefore becomes incumbent upon those to whom the responsibility of making selection falls to test and examine the nature of the various materials available with extreme care. In this, as in all departments of building, the success or failure of the entire undertaking depends in great measure upon a wise and proper selection of materials.

INDUSTRIAL

MODERN ORGAN BUILDING

The rapid development of the church organ during the past two decades is well shown in a pamphlet issued by the Austin Organ Company, of Hartford, Conn. It gives a general illustration and description of the organs made by this company and will be found of much interest to the architect. It describes in detail the features that are embodied in their organs and also gives the specifications of many organs erected in the larger churches and cathedrals throughout the country.

In the construction of their organs the Austin Organ Company believe they have overcome a difficulty which has ever been a "stumbling block" in organ construction. This is the heretofore variable air pressure as delivered to the pipes under varying conditions.

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There are two kinds of action supplied with the Austin organ to meet existing conditions. These are Tubular pneumatic and Electro-pneumatic. These actions are, as a rule, selected with regard to the relative position of the console. Of course when the organ is divided or the console at any great distance from the pipes, the Electro-pneumatic action becomes necessary.

Many features in modern organ building are discussed in a practical way from the point of view of the manufacturer. All of these are of value to the architect when he sets about the planning of a church interior. We regard the book, which can be had on request, as well worth asking for.

The George Rackle & Sons Co., Cleveland, O., manufacturers of art stone, inform us they have moved into their new factory and will in future have a capacity output per day of 1,000 feet of art stone trim and 3,000 cement blocks. Their offices are in the Osborn Building.

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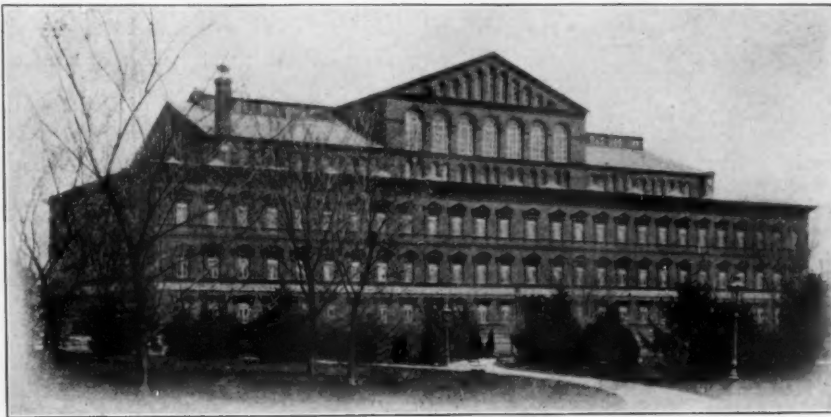
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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BIRMINGHAM.—Frank B. Fowlkes and R. W. Massey are considering erection of building in near future on Fourth Ave.

BIRMINGHAM.—Jefferson County Board of Revenue will consider calling another election for the erection of court house.

DECATUR.—West Huntsville Warehouse Co. will erect fertilizer factory at this city. Tracy W. Pratt, President.

GADSDEN.—Alabama Coca-Cola Company, J. H. Edmondson, president, will erect brick building at Locust and First Sts.

GADSDEN.—L. L. Hertzberg is considering erection of six-story building at Broad and Fourth Sts.

MONTGOMERY.—Architect Frederick Ausfeld is completing plans for alterations in present building and new addition to home of the local Elks lodge on corner of Bibb and Coosa Sts. \$20,000 will be expended. Bids will soon be asked.

CALIFORNIA

LOS ANGELES.—Plans have been prepared for four-story and basement apartment house to be erected at Grand Ave. and Third St., and R. B. Young & Son, Architects, now are receiving bids for construction work.

Burgess J. Reeve, Architect, has prepared plans for three-story brick apartment house to be erected at West Adams and Romeo Sts. for Frank P. Noyes.

C. C. Rittenhouse, Architect, 206 S. Spring St., is drawing plans for three-story apartment house to be erected in the Westlake District.

Fred R. Dorn, Architect, 257 S. Spring St., is receiving bids for erection of three-story brick store and apartment building at Ruth Ave. and Seventh St. for P. S. Brown.

LOS ANGELES.—Thomas J. Conaty of Diocese of Monterey and Los Angeles has accepted the plans for cathedral costing \$1,000,000 to be built in this city, and construction is to be begun immediately.

NAPA.—County will vote Feb. 15 on \$40,000 bonds for erection of county infirmary.

OAKLAND.—Louis Titus will erect \$200,000 home in Piedmont.

OAKLAND.—Plans have been drawn for a five-storied business block, cost \$80,000, which Max Koenig is to erect on corner of Nineteenth and Broadway.

C. J. Heeseeman is to build three-storied business block on Fourteenth St.

OROVILLE.—Congregationalist Church is considering erection of edifice.

SACRAMENTO.—Supervisors will erect proposed detention home on County Hospital grounds.

The Board of Directors of the National Bank of D. O. Mills & Co., has decided to erect exclusive banking building of one-story on corner of Seventh and J. Sts., instead of erecting eight-story structure.

Gus Laveson is considering erection of eight-story building on Upper K St.

SAN BERNARDINO.—Site will be at once selected for erection of proposed Federal building.

SAN FRANCISCO.—Pacific Coast Co. is considering erection of warehouse at Brannan and Fremont Sts.

Erection of \$1,000,000 opera house is being considered. W. B. Bourn and W. H. Crocker are interested.

Plans have been completed by Acting Chief Architect Geo. Colmesnil for erection of proposed \$350,000 Girls' High School at Scott, Geary and O'Farrell Sts.

SAN LEANDRO.—Walter R. Locke has had plans prepared for erection of reinforced concrete building at Hayward Ave. and Hepburn St.; two other buildings will be erected in near future.

SOUTH PASADENA.—City Trustees will at once ask for bids for erection of \$15,000 city hall.

UPLAND.—Board of Education is considering election on \$75,000 bonds for polytechnic high school.

CONNECTICUT

BRIDGEPORT.—St. Patrice's R. C. Corporation is planning to erect \$50,000 parochial school. Dwyer & McMahon, 36 Pearl St., Hartford, Architects.

Architect J. F. Kelley is preparing plans for erection of brick block on Lexington Ave.

Church of Sts. Peter and Paul is considering purchase of site for erection of edifice. Rev. J. Emil Gefel, pastor.

MYSTIC.—Standard Oil Co. will erect brick building on Jackson Ave.

NEW BRITAIN.—Plans have been completed by Architect W. P. Crabtree for erection of proposed children's home.

NEW HAVEN.—Carl Laudieri has had plans prepared for erection of four-apartment building on Ellsworth Ave.

Plans will soon be asked for erection of proposed school in Westville.

PLAINVILLE.—Citizens have voted to erect \$30,000 school east of railroad crossing.

WATERBURY.—Architect Joseph T. Smith, 36 N. Main St., has plans prepared for erection of one-story brick and steel automobile garage on Union St., for Edward B. Reiley, Jr., and James M. Lynch.

DISTRICT OF COLUMBIA

WASHINGTON.—Bids will be received by Treasury Department, Jas. Knox Taylor, Supervising Architect, until 3 p. m. January 14, for complete construction of building for Bureau of Printing and Engraving.

WASHINGTON.—Howard Etchison will erect \$100,000 apartment house at Eighteenth St. and Columbia Road. Plans by Architect A. M. Schneider.

Library Commission will at once ask bids for erection of proposed branch library building at Takoma Park. C. J. Bell, Chairman, Branch Library Committee.

WASHINGTON.—W. E. Pickford, 1847 Forty-seventh St. N. W., has had plans prepared by W. J. Simmons, 1719 New Jersey Ave. N. W., for two-story brick and stone apartment house at 2117 Tenth St. N. W. Cost, \$10,000.

Major Richard Sylvester, Superintendent of Police, has recommended erection of police station in northeast section of city.

WASHINGTON.—Municipal Architect Snowden Ashford has prepared plans for erection of shelter houses in public playgrounds.

D. J. Kaufmann will erect \$50,000 building in near future in Coleman Park.

Chas. W. King will erect six two-story brick dwellings, cost \$12,000, at 1301 Florida Ave. N. W. Plans by N. T. Haller Co., Corcoran Bldg.

H. A. Kite will erect seven two-story brick dwellings. Cost \$42,000, on Monroe and Eighteenth Sts. N. W. A. H. Beers, 1338 G St. N. W., architect.

FLORIDA

DAYTONA.—Daytona Lodge No. 1141, B. P. O. E., is considering erection of home at Valusia and Palmetto Aves. J. D. C. Morris, Chairman, Building Committee.

JACKSONVILLE.—Jacksonville Motor Club will erect club house. H. R. Race, President.

JACKSONVILLE.—Jas. W. Edmondson will at once erect several residences at Kings Road and Myrtle Ave.

Site on Ninth St., Springfield, has been purchased by School Board for erection of school.

Capt. R. G. Ross is planning to erect large warehouse at mouth of St. Johns River.

OCALA.—Plant of Crystal Ice, Cold Storage and Canning Co., destroyed by fire, will be rebuilt at once.

PENSACOLA.—Plans by Downey & Denham, 110 E. St. Francis St., Mobile, Ala., for \$25,000 convent of the Perpetual Adoration Order have been accepted and also plans for part reconstruction and enlarging of Church of the Sacred Heart.

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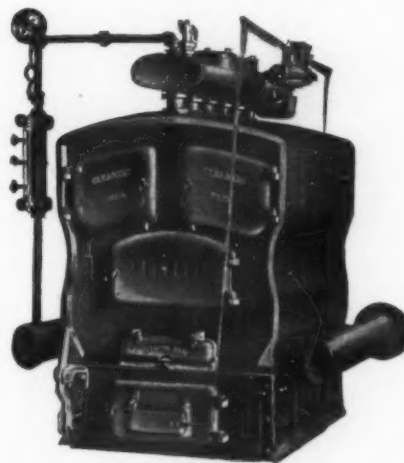
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ILLINOIS

CHICAGO.—Plans have been prepared by Wm. D. Mann, 912 Evanston Ave., for erection of two-story building at Fulton and North Sangamon Sts.

Herman J. Gaul, 172 Washington St., has about completed plans for first section of proposed St. George's Hospital to be erected at Colfax and Kingston Aves. Cost \$100,000.

MOLINE.—Augustana College will erect \$150,000 auditorium building at Thirty-eighth St. and College Boulevard. Plans are under way.

MOLINE.—Moline Launch Club is considering erection of home. J. F. Lindvall, Commodore.

INDIANA

CLINTON.—City School Board has authorized O. C. Pratt, Superintendent of Schools, to get plans from architect for additional eight-room ward building.

NEW CASTLE.—Christian Science Society is considering erection of edifice.

SOUTH BEND.—South Bend Mill and Timber Co. will erect mill on South Lafayette St. J. E. Kuntz, 1611 S. Lafayette St., is interested.

IOWA

CLARINDA.—Board of Control has asked for appropriations for betterments at State Hospital for Insane totaling \$85,000.

MASON CITY.—Plans have been perfected for proposed Home for Aged Odd Fellows. H. C. Ring, Cedar Rapids, Grand Master.

SIoux CITY.—Johnson Biscuit Co. will erect \$125,000 factory at Fifth and Wall Sts. N. R. Johnson, President.

SIoux CITY.—Haley & Lang are considering erection of warehouse on Third St.

KANSAS

SALINA.—Council has adopted plans by Wilmarth & Zerbe for erection of proposed city building.

SALINA.—University M. E. Church will erect \$25,000 edifice at Santa Fe and Claflin Aves.

TOPEKA.—Wolff Packing Co. is preparing plans to erect two large additions, cost \$75,000, to plant.

MARYLAND

BALTIMORE.—Thomas Peters, Jr., has commissioned a local architect to prepare plans for suburban cottage to be built on Pall Mall Ave.

Erection of building for State Normal School is being considered by County School Superintendents.

BALTIMORE.—W. F. Roeder, Coliseum Riding School, is considering erection of \$100,000 garage and hall at North Ave. and Patterson Place.

F. J. Ashley is having plans prepared for two-and-one-half story frame and stucco residence, to be erected at Halethorpe. Cost about \$10,000.

George Klein will build 10 two-story brick dwellings on Pressman St. Cost about \$24,000. Jacob F. Gerwig, 210 E. Lexington St., architect.

R. Monroe Platt is having plans made for \$10,000 residence to be erected at Roland Heights.

BALTIMORE.—Henry J. Tinley is preparing plans for \$25,000 apartment house at Pimlico and Park Heights Ave. for Frank Benjamin.

W. C. Franklin is having plans made by C. Washley for \$25,000 residence on Charles St. extended.

George N. Crossland will erect large factory building on Stockholm St. J. C. Simpson, Architect.

Plans for the warehouse to be erected at 723-725 W. German St. for Hecht Bros. Co. have been finished by Frank Kavanaugh, Architect, and call for a six-story brick structure.

BALTIMORE.—Alfred Cookman Leach, 323 N. Charles St., has been selected as architect to draw plans for \$25,000 Walbrook National Bank building, to be erected at North Ave. and Tenth St.

Mrs. Mary S. McGrath will erect \$8,000 residence on University Parkway.

CUMBERLAND.—Dime Savings Bank Co. will erect banking building on Baltimore St.

HAGERSTOWN.—Christian Science Church is considering erection of edifice. Mrs. Elizabeth Rether, Reader.

HIGHLANDTOWN.—Highland Lodge No. 5, I. O. O. F., is considering erection of hall. G. Howard Caskey is interested.

MASSACHUSETTS

AMHERST.—Amherst College will erect dormitory. George Harris, President.

LOWELL.—Mayor Meehan has signed ordinance to create a Commission to erect a contagious hospital.

NEW BEDFORD.—Building Committee of South End Social Club has instructed Architect L. E. Destremps to prepare plans for erection of club house.

NORTHAMPTON.—County Commissioners are considering erection of addition to court house.

SAUGUS.—Fire Committee is considering erection of central fire house.

SPRINGFIELD.—Henry L. Bowles is planning to erect ten-story block at Main and East Court St. B. Hammett Seabury, Besse Bldg., architect.

WAKEFIELD.—Town will purchase site at Main and Avon Sts. for erection of library.

WESTFIELD.—Westfield Foundry & Valve Co. will at once erect plant on Union St. C. O. Churchill and L. Holst will have charge of plant.

MICHIGAN

DETROIT.—Wm. Klatt has had plans prepared for erection of brick and concrete theatre building on Grand River Ave. Milner & Eisen, Hammond Bldg., architect. Plans have been completed and bids will be asked at once for erection of building for Peninsula Savings Bank.

DETROIT.—Architects Malcomson & Higginbotham, Moffat Bldg., have prepared plans for first two buildings of proposed Harper Hospital plant. Total cost, \$1,250,000.

GRAND RAPIDS.—Cost of erecting proposed fire station at Grandville Ave. and Hall St. has been estimated at \$12,000. Plans prepared.

KALAMAZOO.—Board of Education has decided to erect school. Howard Buckhout, Secretary.

MANISTEE.—Local Masons are considering erection of \$50,000 temple. F. T. Hoghes, 393 River St., Chairman, Special Committee.

MINNESOTA

ARNOLD.—Town hall has been destroyed by fire; loss, \$5,000. MARBLE.—M. E. Church is planning to erect edifice. Rev. Ovis Suver, Pastor.

MINNEAPOLIS.—E. G. Walton will at once erect five-story building at 310 Nicollet Ave. Long, Lamoreaux & Long, 830 Hennepin Ave., Architects.

MINNEAPOLIS.—Extensive improvements and additions will be made in Spring to Daily News building, Second Ave. South and Sixth St. Major John Bigelow, owner.

ST. PAUL.—W. M. Todd, 2225 Langford Ave., will erect \$6,000 frame dwelling on Carter Ave.

MISSISSIPPI

LAUREL.—Main St. Methodist congregation will erect \$20,000 brick edifice.

MERIDIAN.—First Presbyterian Church will erect \$45,000 edifice.

VICKSBURG.—Delta Ice & Cold Storage Co. will erect \$75,000 plant at Veto and Muberry Sts. C. H. Zilker, New Orleans, and W. W. Johnson, Memphis, are interested.

MISSOURI

KANSAS CITY.—George Vogel, 910 W. Nineteenth St., will open bids in March for erection of \$40,000 warehouse. Smith, Rea & Levitt, Finance Bldg., Architects.

ST. LOUIS.—O. T. Crawford is planning to erect fireproof reinforced concrete theater building at Fifteenth St. and St. Louis Ave.

ST. LOUIS.—Henry A. Diamond and Simon Jacobsen will erect large warehouse at Lewis and Biddle Sts.

MONTANA

BILLINGS.—Nichols & Shepherd Co., Battle Creek, Mich., will erect large brick and cement factory on Twenty-seventh St.

WHITE SULPHUR SPRINGS.—John Ringling, President Ringling Bros. Amusement Co., will at once erect \$250,000 hotel.

NEBRASKA

GRAND ISLAND.—Liederkrantz Society is considering erection of \$35,000 club house.

HASTINGS.—Presbyterians are planning erection of \$40,000 church.

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NEW JERSEY

ATLANTIC CITY.—Architects Seymour and Paul A. Davis, 1600 Chestnut St., Philadelphia, have prepared plans for one-story \$75,000 granite bank building for Atlantic Safe Deposit & Trust Co.

CAMDEN.—Bids will be received until 8 p. m., Dec. 12, for erection of municipal hospital. John C. Jeffries, 1001 Chestnut St., Philadelphia, Architect. R. L. Warren, Chairman Hospital Committee.

EAST ORANGE.—Board of Education has approved sketches for \$100,000 grammar school to be erected in Sanford St.

ELIZABETH.—Noble Beatty will erect colonial residence at Colonia Road and Hillside Ave., El Mora. C. Godfrey Poggi, 2 Julian Place, Architect.

ELIZABETH.—Architect Godfrey Poggi, 2 Julian Place, has prepared plans for erection of residence on Jersey Ave. for Mrs. Fanny Macbeth.

Robert P. Smith, architect, 576 Newark Ave., Jersey City, has prepared plans for erection of \$8,000 bungalow at corner of Palisade Road and Park Ave., for George W. Purdy.

GLOUCESTER.—Baptist Congregation has had plans prepared for erection of edifice. Rev. W. L. Haines, Pastor.

JERSEY CITY.—The Lautman Co., of 643 Newark Ave., is receiving bids for erection of \$50,000 apartment house on corner of the Boulevard and Tonnele Ave.

JERSEY CITY.—John Sanguineth, 207 Thorne St., will erect two six-family brick houses, cost about \$25,000, at Columbia Ave. and Bleecker St.

JERSEY CITY.—Police Board will ask \$300,000 bond issue for erection of headquarters building.

JERSEY CITY.—From plans prepared by Architect Nathan Welitoff, six-family flat will be erected on Boulevard for Benjamin and Abraham Gorlin, 613 Garfield Ave.

Rose Lerner, 53 Kearny Ave., will erect two double flats, cost \$15,000, on Wilkinson Ave. C. H. Ziegler, 76 Montgomery St., architect.

NEWARK.—Plans have been prepared by Architect Wilson C. Ely, 800 Broad St., for erection of \$40,000 branch library for Trustees of Free Public Library.

NEWARK.—Robert Kuebler will erect \$25,000 apartment house at Mt. Prospect Ave. and Heller Parkway. Richard W. Erler, 45 Clinton St., Architect.

OCEANPORT.—J. N. Pierson & Son, Perth Amboy, will prepare plans for erection of \$14,000 school.

PATERSON.—Caspers Silk Co. will erect large factory at Little Falls Turnpike and Reservoir Ave.

PLAINFIELD.—Enoch Berry will erect double apartment house on Leland Ave.

WEST NEW YORK.—Plans have been completed by Architect Philip Weilbacher, 85 Booraem Ave., Jersey City, for Catoir Silk Co., of 224 W. Thirty-sixth St., New York, for a factory on Palisade Ave.

NEW MEXICO

LAS CRUCES.—Local Masons will begin erection of proposed \$25,000 home in spring.

Salt Lake, San Pedro & Los Angeles Railroad Co. will erect large depot, freight house and other buildings.

NEW YORK

BINGHAMTON.—E. D. Cook & Co., are considering erection of three-story brick or concrete factory building at East End.

BROOKLYN.—Bids will be received until 3 p. m., Dec. 14 for alterations in main building and complete construction work at Long Island State Hospital. F. B. Ware, Albany, State Architect. J. E. McGarr, Secretary, State Commission in Lunacy.

HUDSON.—Plans are being prepared for erection of large garage on Columbia St. for Wm. Petry and Fred Kenyon.

NEW YORK.—Tomahawk Realty Co., Convent Ave. and 149th St., will erect six-story brick flat on Convent Ave. Gross & Kleinberger, Bible House, architects.

NEW YORK.—Plans have been prepared by Gaeton Aijello for \$375,000 twelve-story apartment to be erected by Paterno Bros. on corner of Broadway and 115th St.

Commissioner Drummond, of Department of Charities, is urging purchase of Noble St. site for erection of proposed Greenpoint Emergency Hospital.

Roman Catholic Church of Corpus Christi, 535 W. 121st St., will erect four-story \$85,000 brick garage on 122d St. L. P. Huhres, 1123 Broadway, Architect.

NEW YORK.—663-5 Broadway Co., 63 Park Row, Harry Fischel, President, will erect twelve-story commercial building at 663 Broadway. Plans being prepared.

Philip Krauch, 531 Tremont Ave., will erect four two-story brick dwellings, cost \$26,000, on 223d St. B. Ebeling, 1136 Walker Ave., Architect.

A. T. Mackenzie, 1243 Theriot Ave., will erect \$7,500 frame shop on Olmstead Ave. B. Ebeling, 1136 Walker Ave., Architect.

NEW YORK.—Rock Plaster Co., 381 Fourth Ave., will erect \$6,000 storage building on Oak Point Ave. W. W. Kenly, 381 Fourth Ave., Architect.

NEW YORK.—H. Mankin will erect four-story \$20,000 brick store and lofts at 154 Spring St. L. A. Sheinart, 194 Bowery, architect.

Rt. Rev. Chas. E. McDonnell, Bishop of Long Island, has purchased site at Crocheron Ave., Gardner St., and Bayside Road, Bayside, for erection of Church. Plans prepared.

NIAGARA FALLS.—John F. McDonald has offered to build \$100,000 convention hall if city will close Rapids St., which runs from Main St. to State Reservation.

NYACK.—Architect E. Balwin South has prepared detailed plans for erection of proposed school in central Nyack.

OSWEGO.—Contracts will be awarded about Jan. 1 for erection of proposed hotel. Plans prepared. W. V. Burr is interested.

ROCHESTER.—Associated Hebrew Charities will erect brick institute building on Joiner St. Plans being prepared.

Bids will be received until noon, Dec. 12, for erection of assembly hall at No. 8 school and addition to No. 7 school. J. Foster Warner, architect. J. S. Mullan, Secretary, Board of Education.

SARANAC LAKE.—Wm. H. Jack, 42 River St., is considering erection of theatre on Main St.

SYRACUSE.—Architect Chas. E. Colton has prepared plans for erection of three-story addition to the Kirk Block on South Salina St., for Wm. B. Kirk.

Architects Russell & King have completed plans for erection of business block at 441 S. Warren St., for P. R. Quinlan & Harry McCarthy.

SYRACUSE.—Bids will be received by J. J. Halloran, Secretary, Board of Contract and Supply, for erection of engine house on Wolf St.

Troop D, N. G. N. Y., is considering erection of clubhouse near Manlius, and plans have already been prepared and submitted to Captain Howard K. Brown for his approval.

SYRACUSE.—Syracuse Rapid Transit Co. is considering erection of \$75,000 terminal station.

UTICA.—Lortz-Teuscher Co., 344 Catharine St., will erect factory at foot of Shaw St., West Utica.

WATERTOWN.—Knowlton Bros. are planning to erect concrete warehouse next Spring.

NORTH CAROLINA

ASHEVILLE.—Trinity Protestant Episcopal Church is planning to rebuild edifice at cost of \$40,000. Rev. H. Fields Saumenig, Pastor.

ASHEVILLE.—Trustees of the Coxe Estate, owners of \$10,000 Battery Park Hotel, have decided to construct clubhouse adjoining the eastern wing of the hotel.

GREENSBORO.—Holy Trinity Church is considering erection of edifice on West Market St.

SPRING HOPE.—Methodist congregation will erect \$10,000 edifice.

OHIO

AKRON.—The trustees of proposed new tuberculosis hospital to be built near this city for four counties are considering plans for proposed buildings.

CINCINNATI.—Architect H. S. Holmes has prepared plans for construction of dwelling in Leathers Ave., Fort Mitchell, for A. W. Hubbard.

Architect Harry Hake, Andrews Bldg., will prepare plans for erection of fire house at Eastern Ave. and Vance St. for Engine Co. No. 11.

Mastic Wall Board and Roofing Co., Ltd., New Orleans, will erect six fireproof structures on Spring Grove Ave.

British-American Co. will at once erect three buildings on Spring Grove Ave.

CINCINNATI.—Board of Library Trustees is urging purchase of site at Eighth St. and Glenway Ave. for erection of proposed Carnegie branch library.



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COLUMBUS.—Council has appropriated \$15,000 for erection of home for the Superintendent of Goodale park. Architect has not yet been selected.

COLUMBUS.—Columbus Lodge B. P. O. E. will erect \$100,000 club building on E. Gay St. next year.

Ohio Central Railroad will at once rebuild passenger station on W. Broad St. destroyed by fire.

COVINGTON.—Y. M. C. A. is considering erection of \$150,000 building at Pike and Madison Sts. Plans prepared.

DEFIANCE.—Christ Diehl Brewing Co. will erect \$20,000 addition to plant.

PORTSMOUTH.—Plans are being prepared by Architect Otto Darst, Brunson Bldg., Columbus, for erection of wholesale grocery building for Gilbert Grocery Co.

POWELL.—Architect C. L. Inscho, Brunson Bldg., Columbus, will prepare plans for erection of proposed school.

TOLEDO.—Huebner-Toledo Brewing Co. will at once erect \$300,000 plant at Hamilton and Division Sts.

TOLEDO.—Gasser Coffee Co., 113 Ontario St., will erect \$100,000 plant on Thirteenth St.

TOLEDO.—Woolson Spice Co. will at once erect \$350,000 concrete building on lower Summit St.

Ohio Dairy Co. is planning to erect \$200,000 plant. D. A. Yoder, President.

YOUNGSTOWN.—Bids will be received until noon, Dec. 28, for erection of school on Wood St. C. F. Owsley, Architect. W. N. Ashbaugh, Director of Schools.

OREGON

PENDLETON.—George Darveau has had plans prepared for erection of theater on Main St. C. J. Mitchell will be manager.

PORTLAND.—Architect Edw. T. Root has prepared plans for erection of \$12,000 hotel on Upper Stark St. for Beno and Ballis.

J. Gendendorfer has instructed Architects Claussen & Clausen, Board of Trade Bldg., to prepare plans and specifications for \$60,000 four-story building to be erected on Sixteenth St.

PENNSYLVANIA

CHESTER.—D. P. Carr, Rochester, N. Y., is considering erection of \$100,000 theatre.

CONWAY.—Town Council is considering erection of town hall, hose house and jail. John R. Mitchell, Burgess.

EDGE HILL.—Plans have been prepared for erection of addition to Carmel Presbyterian Church.

FRANKLIN.—Y. M. C. A. will receive bids until 10 a. m. Dec. 31 for all labor and material required for erection, construction and completion of association building on Thirteenth St. Brake-man & Brakeman, Architects. C. H. Clark, Treasurer.

LANCASTER.—Otto Eisenlohr & Bro. are having plans prepared by J. L. McClymont, of York, for \$200,000 cigar factory.

OIL CITY.—City Property Committee has recommended erection of hose tower and quarters for city officials at Short and East Second Sts.

ORWIGSBURG.—Hauer & Mowers, Eighth and Cumberland Sts., Reading, have been selected to prepare plans for erection of \$20,000 school.

PHILADELPHIA.—Stuckert & Sloan, architects, are designing two-story concrete dairy building, for the Dolfinger Co., on Tasker St.

Business and Professional Men's Club will erect three-story club house at Chancellor and Camac Sts. L. V. Boyd, Harrison Bldg., architect.

PHILADELPHIA.—Architects Hewitt & Paiste, Bullitt Bldg., have completed plans for erection of five two-story stores at 1217 Chestnut St. for Wm. Thomson Estate.

PITTSBURG.—City is preparing to erect proposed city hall in Diamond Square. Jos. G. Armstrong, Director Board of Public Works.

Architect Edward Stotz, 213 Sixth Ave., is receiving bids on erection of \$40,000 residence on Bellefield Ave. for Harry S. Bickell, cost including a three-story brick and stone institute building.

City will erect \$175,000 school at Phillips Ave. and Beechwood Boulevard, Squirrel Hill. Edward Stotz, 213 Sixth Ave., Architect.

SCRANTON.—Architect John A. Duckworth, 44 Coal Exchange Bldg., has prepared plans for erection of residence on Webster Ave.

YORK.—Architect James McClymont has prepared plans for erection of Colonial residence.

RHODE ISLAND

NEWPORT.—Architect Horace Trumbauer, Land Title Bldg., Philadelphia, is preparing plans for erection of \$500,000 garage and stable for E. J. Berwind.

WOONSOCKET.—Bresnahan Grocery So. will erect large storehouse and bakery on E. School St.

TENNESSEE

CHATTANOOGA.—Architect R. H. Hunt, News Bldg., will prepare plans for erection of proposed Criminal Court building.

CHATTANOOGA.—C. R. Betterton & Co. will at once erect four-story building on Broad St. Plans by Architects J. G. Barnwell and C. T. Jones.

MEMPHIS.—Knights of Pythias are considering either erection or purchase of home.

NASHVILLE.—Mayor H. E. Howse has recommended erection of addition to city hospital, a new market house and remodeling of workhouse.

TEXAS

BONHAM.—American Presbyterian Church will rebuild edifice on North Main St. destroyed by fire.

CLEBURNE.—The King's Daughters have purchased site on Douglass Ave. for erection of hospital.

SAN LEON.—State Board of Directors, Texas division, Travelers' Protective Association, has decided to erect \$10,000 club house. S. C. Brasher, Houston, is interested.

VERNON.—T. H. Shive and W. O. Anderson are preparing to build brick building on North Main St.

VIRGINIA

HARRISONBURG.—Large addition will be erected to hotel at Massanetta Springs. Judge G. G. Grattan, President of company.

LYNCHBURG.—L. E. Litchford will erect large brick building on Orange St. in spring.

PETERSBURG.—School Board is considering purchase of site for erection of school.

PORTSMOUTH.—City School Board, through its committee, will receive until 7.30 p. m., Dec. 21, competitive plans for two new eight-room grammar school buildings to be erected at a cost of not more than \$17,000 each, including adequate and proper sewerage, heating and ventilating systems. N. R. Hamilton, Clerk.

RICHMOND.—Street Cleaning Committee has decided to rebuild city stables at cost of \$10,000.

WASHINGTON

SEATTLE.—Board of Public Works has approved plans for erection of fire station at Russell Ave. and Market St.

SPOKANE.—Herbert Boiler Works, Chicago, Ill., Jos. Herbert, President, will erect plant in this city.

J. D. Sherwood is planning to erect seven-story, \$300,000 department store at Riverside Ave. and Bernard St.

Edward E. Perry is considering erection of residence at Riverside Ave. and Howard St.

WALLA WALLA.—Eugene Boyer has had plans prepared for erection of \$75,000 apartment house.

WISCONSIN

CHIPPEWA FALLS.—Rutledge Memorial Home will erect three-story \$250,000 home next year. S. B. Nimmons, Cashier, Lumberman's National Park, Chairman, Building Committee.

EAU CLAIRE.—Red Front Flour & Feed Co., 413 S. Barstow St., is considering erection of three-story warehouse. M. S. Beecher, manager.

MARINETTE.—Buick Auto Co. will at once erect garage, auto salesroom and repair shop.

MILWAUKEE.—Home Brewing Co. is considering erection of building in spring.

MILWAUKEE.—H. P. Knebel has had plans drawn by Architects H. Messmer & Sons, Pabst Theatre Bldg., for an apartment building to be erected at Twenty-seventh St. and Cold Spring Ave. Cost about \$23,000.

Plans for eight cottages to be built for R. Hanson, on Thirtieth Ave., have been completed by F. B. Marshall.

United Cold Storage Co. will erect central warehouse on Oregon St.

SUPERIOR.—Sketches have been prepared by President McCaskill of Board of Regents for erection of annex to Normal School.

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J-M Asbestos Stucco

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Instead of sand, pure asbestos rock and fibre are used. This makes J-M Asbestos Stucco a stone stucco—not merely a plaster like other stuccos. It has far more elasticity than other stuccos—isn't affected by freezing and thawing. Will stand indefinitely.

J-M Asbestos Stucco is cheaper than Portland cement and sand stuccos to apply owing to its light weight. And it makes the outside of a house absolutely fireproof. You will find it well worth while to look into all the facts—just write nearest branch for booklet and sample.

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The rate for advertising under this heading in uniform style, solid type, is 50 cents for 50 words or less, payable in advance. Copy received until 12 m. Monday.

TECHNICAL GRADUATE, wide experience in engineering and construction end of architecture; capacity for thoroughness in details, specifications and contracts, good executive, desires responsible position with architect or contractor. Address 18C, care American Architect.

(1818 & T. F.)

ARCHITECTURAL ENGINEER, chief engineer for leading architects, solicits commissions for complete, economical designs and specifications for steel and reinforced concrete buildings, during spare time; have facilities for handling rush work. Thoroughly familiar with New York building code and general specifications. Terms reasonable. Address 19D, care American Architect.

(1819-T.F.)

COMPETENT Architectural Draughtsman, well versed in constructional and competitive work, seeks position; capable of taking full charge of erection of any type building. Address 23B, care American Architect.

(1824)

EXPERIENCED Architectural Draughtsman seeks position; 10 years' New York City experience; first-class on design and working drawings, including details and superintendence; can furnish A.I. references. Location not so much an object as permanency. Address 24D, care of American Architect.

(1824)

ARCHITECTURAL man; first-class in designs of historical periods; strong in planning; structural engineer; can take charge of office work and produce results; can influence good work for which he lacks means to carry along. Address 20B, care American Architect.

(1824-25)

SITUATION WANTED—High-Grade Draughtsman, University of Pennsylvania graduate, experienced in general work and drawings, with special ability in designing and water color rendering. Position wanted with first-class firm with view to partnership. Young man with executive ability. Can make change about December 15th. Salary, \$40.00 per week. Address 24B, care American Architect.

(1824)

ARCHITECTURAL Draughtsman, with 15 years' experience in leading New York City office, desires a position in the south or southwest after Jan. 1st, 1911. Will consider a temporary engagement with reliable office to prove ability. Can give highest references as to character and ability. Salary, \$50 a week. Address 24C, care American Architect.

(1824-25)

DRAUGHTSMAN, Architectural, desires position in New York, Washington, etc., for first-class city and public buildings. General work, working drawings, design. American and European experience. Address 24E, care American Architect.

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DRAUGHTSMAN—Ambitious young man with 3 years of practical experience, who is at present employed, wishes a position in New York or New Jersey with a busy architect. Good tracer, letterer and detailer, etc., on moderate-priced residences. References from present employer. Address C. K. Room 407, Allentown National Bank Bldg., Allentown, Pa.

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HELP WANTED

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. **Remittance should accompany copy.** Copy received until 12 m. Monday.

SALESMAN visiting architects and builders for new patented kitchen and laundry utility of great merit. Sells on sight from pocket photograph as superiority is quickly recognized. Liberal commission. Mesha Mfg. Co., 118 Beekman St., New York.

(1817-T.F.)

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(1824-25)

SPECIAL NOTICE

The rate for advertising under this heading is \$1.80 an inch. **Remittance should accompany copy.** Copy received until 12 m. Monday.

A FIRM of architects situated in the East would like to associate themselves with an architect in the Middle West. The architects at present make a specialty of Catholic church and institutional work, and it is their desire to establish the same specialty in the Middle West. Address 24A, care American Architect.

(1824)

PROPOSALS

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. Copy received until 12 m. Monday.

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 14, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 23rd day of December, 1910, and then opened, for the installation of a heating and ventilating apparatus in the U. S. Post Office, Oklahoma City, Okla., in accordance with the drawings and specification, copies of which may be had at this office or at the office of the Custodian of site, Oklahoma City, Okla., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1823-24)

Treasury Department, Office of the Supervising Architect, Washington, D. C., Nov. 21, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 28th day of December, 1910, and then opened, for the installation of a gas-piping system and a conduit and wiring system in the United States Post Office at Oklahoma City, Okla., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Superintendent of Construction, Oklahoma City, Okla., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1823-24)

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 26, 1910.—Sealed Proposals will be received at this office until 3 o'clock P. M., on the 14th day of January, 1911, and then opened, for the construction (including roof and ground surface drainage system), of the new building for the Bureau of Engraving and Printing, Washington, D. C., in accordance with drawings and specifications, copies of which may be obtained at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1823-24)

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 26, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 7th day of January, 1911, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office at Waycross, Ga., in accordance with drawings and specification, copies of which may be had from the Custodian of site at Waycross, Ga., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1824-25)

NOTICE TO CONTRACTORS.

Sealed proposals for the construction and plumbing of a Power House and Conduits for the New York State Capitol and Education Building at Albany, N. Y., will be received by the Trustees of Public Buildings in the Executive Chamber, the Capitol, Albany, N. Y., until 12 o'clock Noon, December 21st, 1910, when they will be opened and read publicly.

Proposals shall be accompanied by a certified check in the sum of five per cent. of the amount of the bid, and the contractor to whom the award is made will be required to furnish surety company bond in the sum of 50 per cent. of the amount of the contract, within 30 days after notice of award of contract and in accordance with the terms of specification No. 1391. The right is reserved to reject any or all bids.

This work does not include power plant equipment, steam heating work or electric work.

Drawings and specifications may be consulted and blank form of proposal obtained at the office of the State Architect. Complete sets of plans and specifications will be furnished to prospective bidders upon applications sent before December 16th, 1910, to, and in the discretion of, the State Architect, Franklin B. Ware, Albany, N. Y.

(1824-25)

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 30, 1910.

Sealed proposals will be received at this office until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including masonry, carpentry, iron and steel, ornamental iron, roofing, painting, fire-proofing, plastering, etc., labor and materials complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications, copies of which may be obtained at the office of the County Commissioners on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of bids on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications.

By direction of the County Commissioners.

CHAS. T. STRAUGHN,
County Controller.
(1824-25-26)

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 28th, 1910.

Sealed proposals will be received at this office, until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including increased water supply, sewage disposal plant, power plant, elevator, heating, ventilating, plumbing and electric wiring complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications, copies of which can be obtained at the office of the County Commissioners, on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of the bids, on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications.

By direction of the County Commissioners.

CHAS. T. STRAUGHN,
County Controller.
(1824-25-26)

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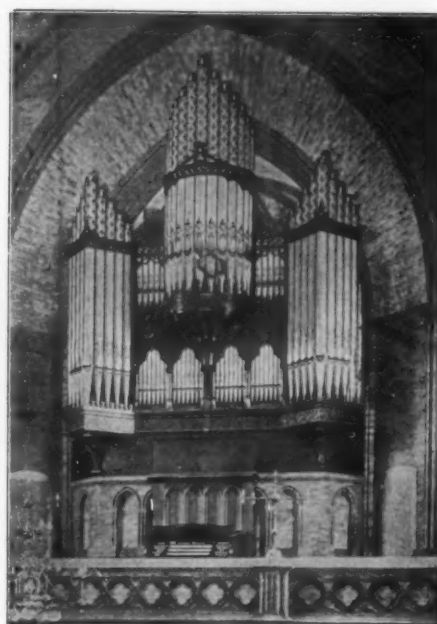
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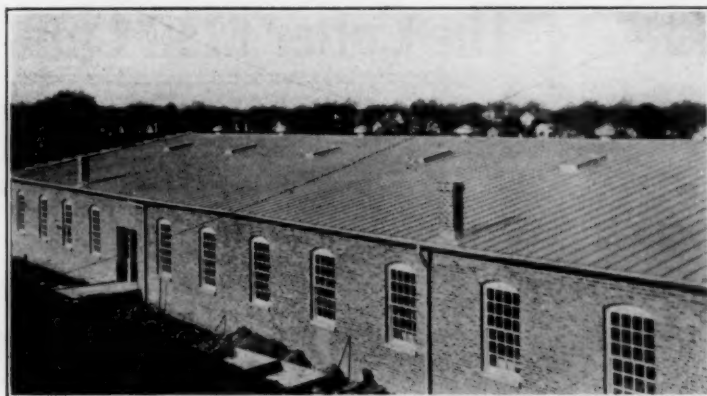
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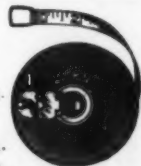
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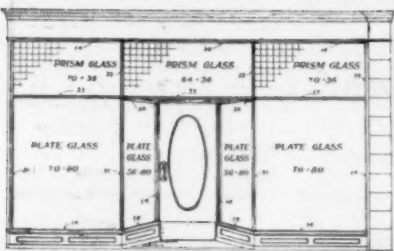
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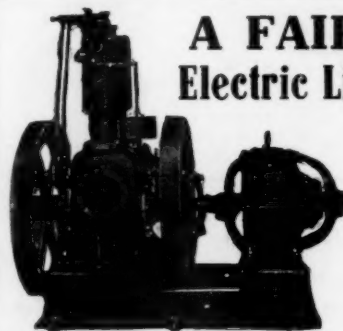
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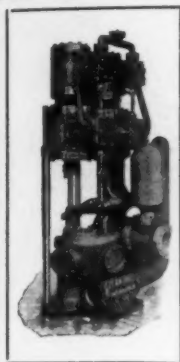
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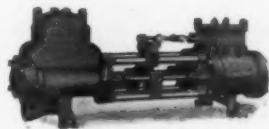
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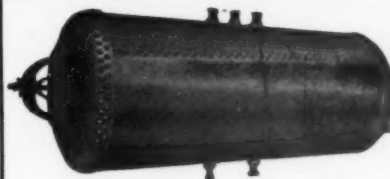
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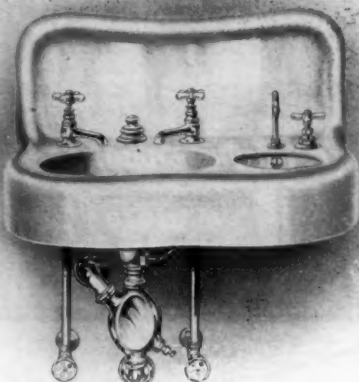


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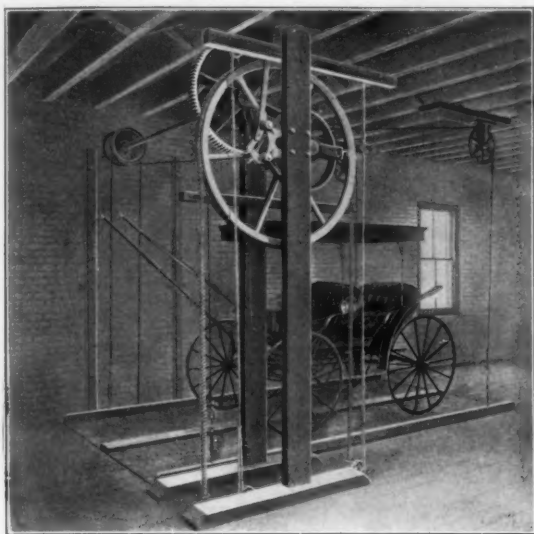


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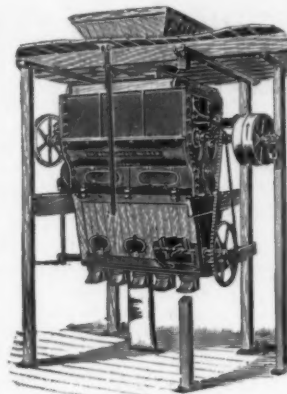
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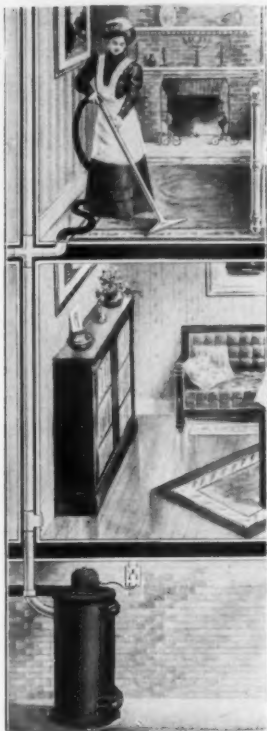
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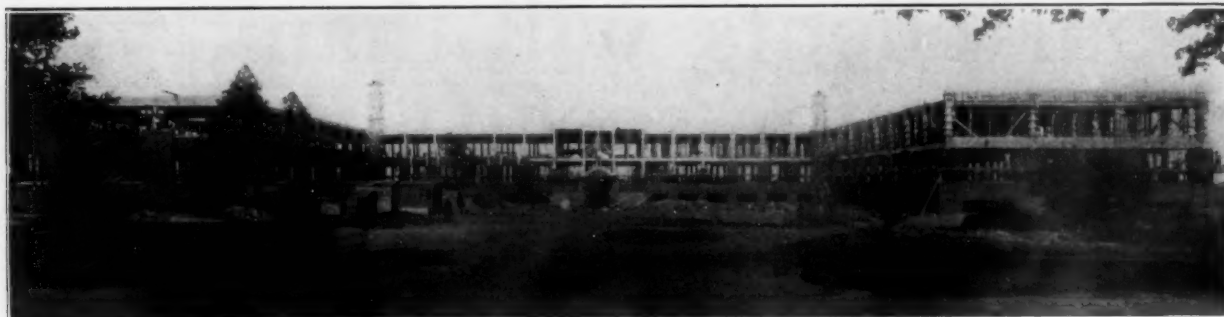


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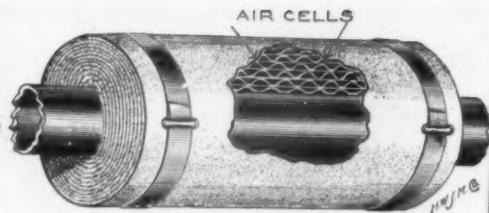
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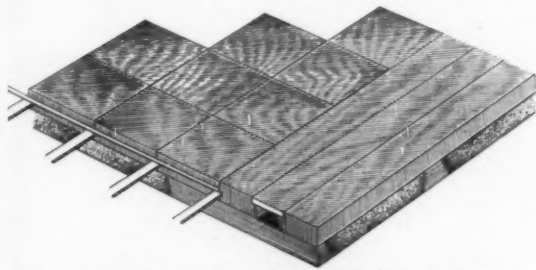
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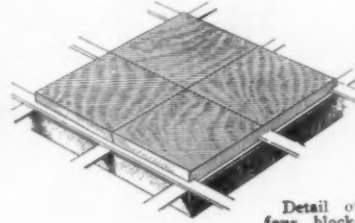
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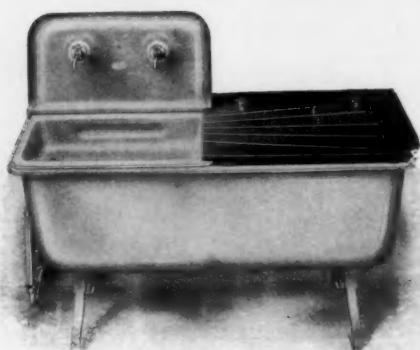


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Illustrating one of our several designs of Slop Sinks



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THE STODDARD-KEWANEE
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It provides the cheapest way of heating water in large quantities and furnishes a practical and economical means of destroying mixed garbage, hospital refuse, household and other accumulated rubbish when and where it is produced.

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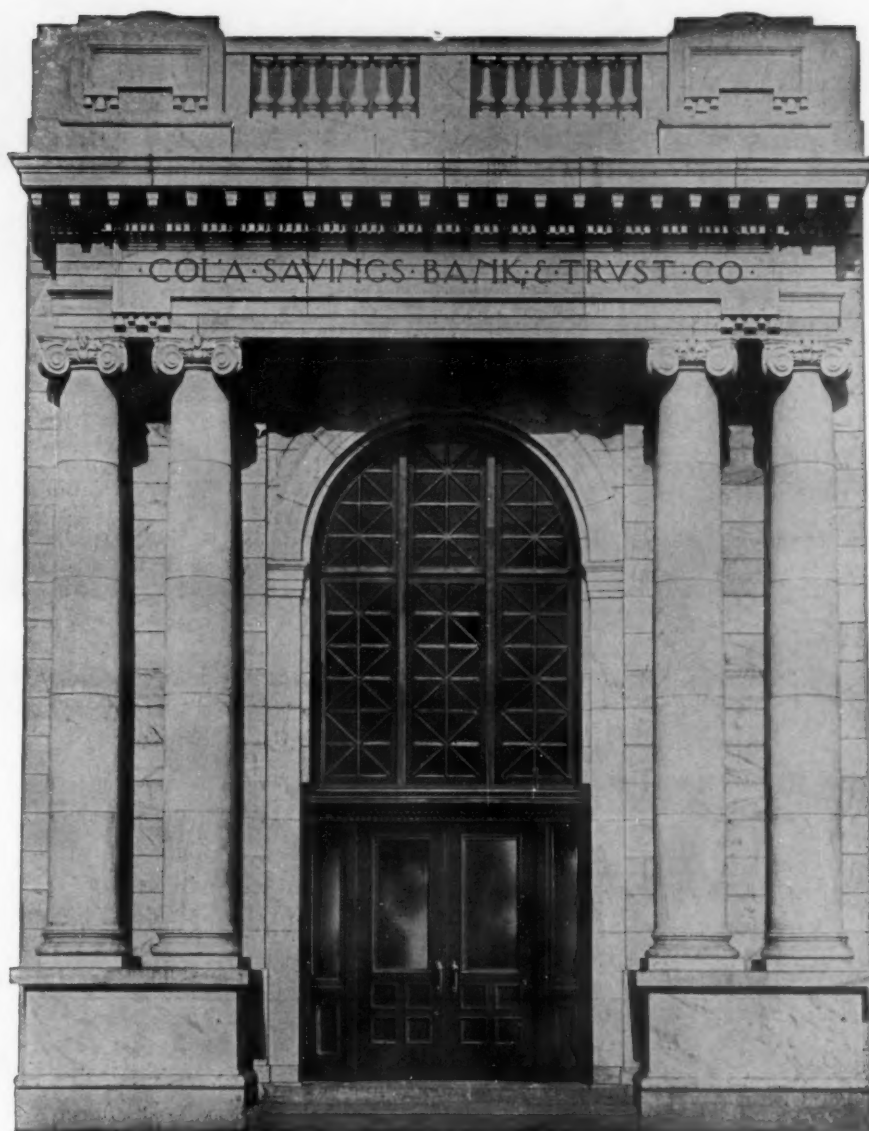
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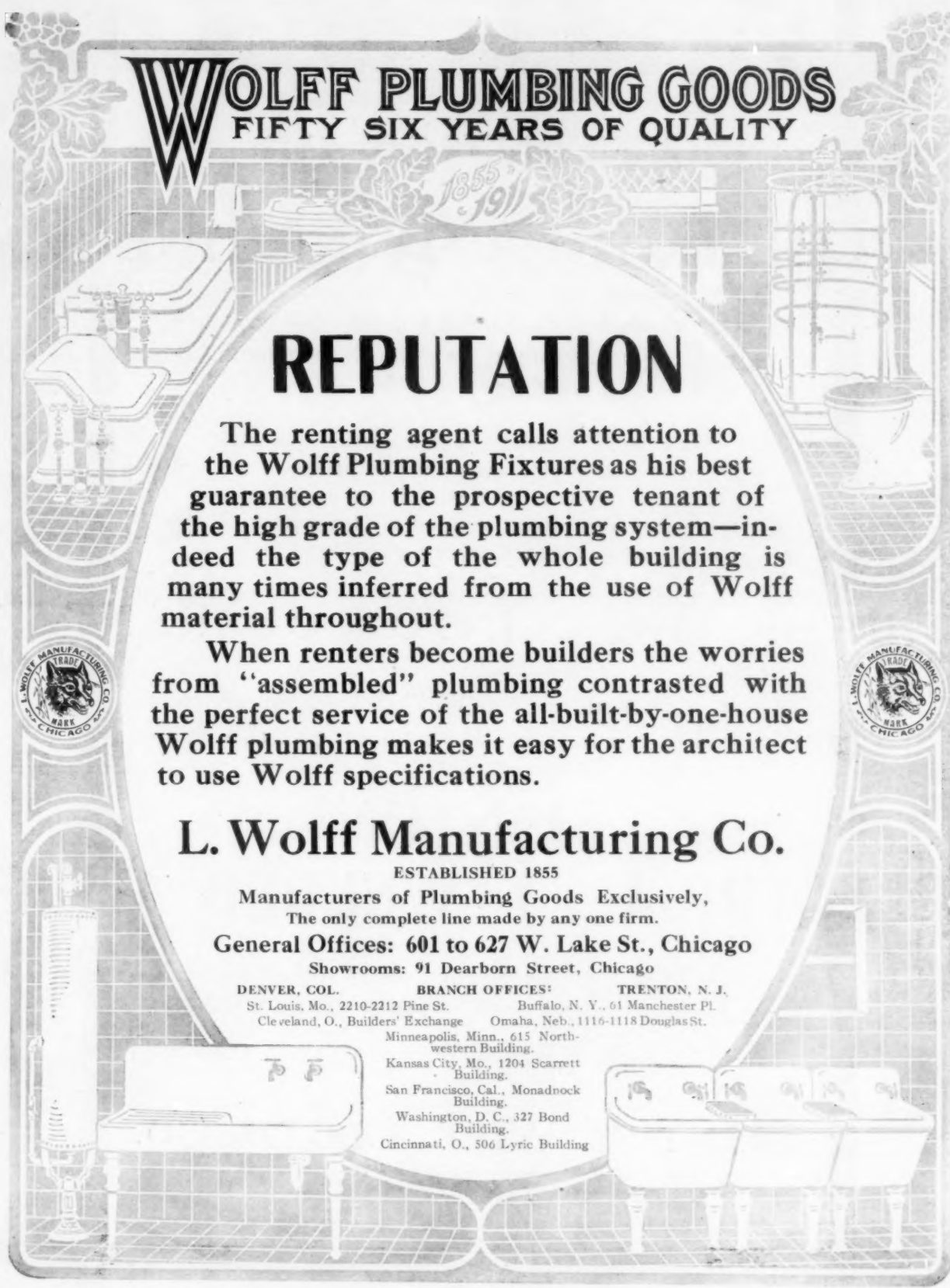
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Kansas City, Mo., 1204 Scarrett Building.		
San Francisco, Cal., Monadnock Building.		
Washington, D. C., 327 Bond Building.		
Cincinnati, O., 506 Lyric Building		





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Has been used and is part of the equipment of hundreds of the finest buildings in the country. Its finish is smooth and clean and made any way you want it, to imitate the natural woods or metals, or any solid color. It is adapted to any variety of style that you may desire.

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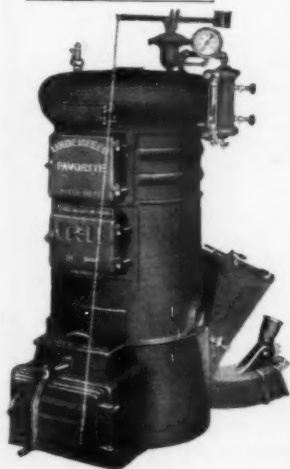
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This illustration shows
the Underfeed Boiler.



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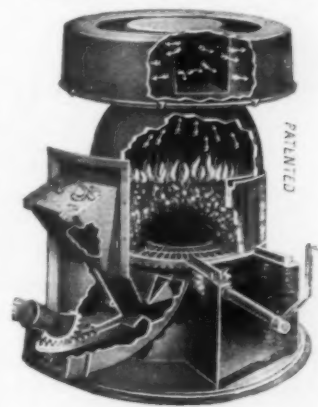
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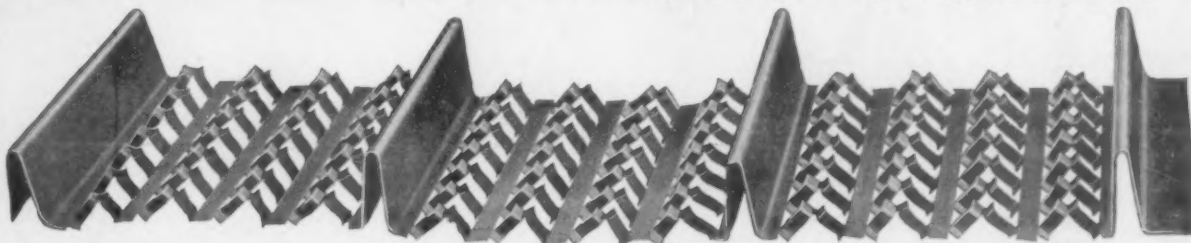
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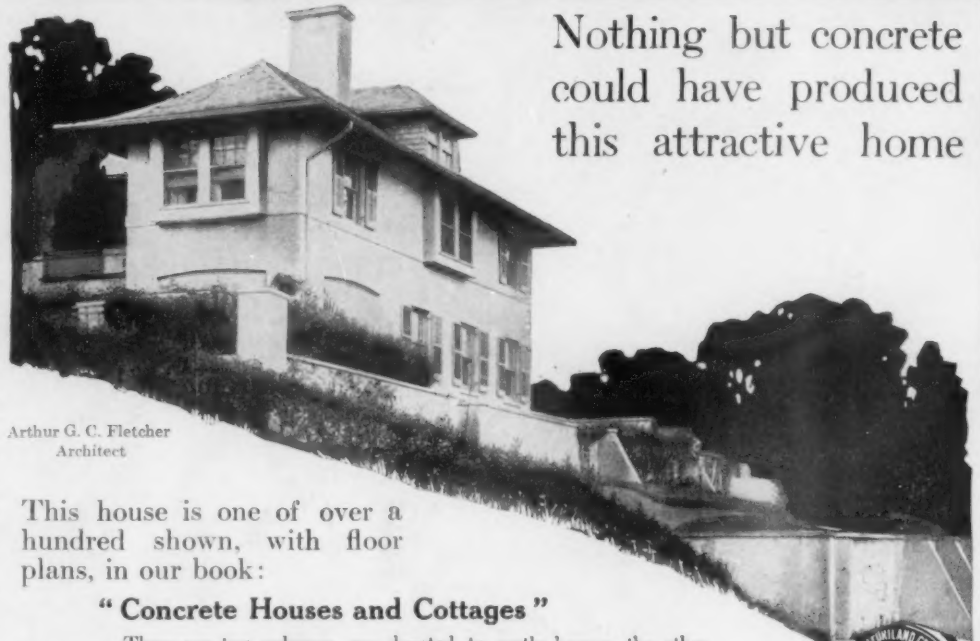
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CRITICISMS BY THE JURY

CRITICISM CLASS "B" ORDER PROBLEM

The average high order of work done by the large majority of students submitting drawings on this problem is shown by the number of mentions given. The comparatively small number of those "placed" was due to the fact that but very few made a careful study of the composition of the entire plate. Students should give this point more attention, for such a composition is not easy. When a student has made a good design for the architectural problem, presented it and the details neatly and well, when the shadows are correctly cast and the rendering even and true, the student is entitled to a "mention." When in addition to the above he makes a pleasing composition of all the parts, the jury is only too happy to mark it "placed," and they urge students to greater effort in this particular.

The exhibition as a whole was extremely good.

CRITICISM CLASS "B" PLAN PROBLEM

A great number of interesting and well-presented projects were submitted on the Program of the Garage Connected with a Gentleman's Country Estate. As the conditions were not very definitely stated, a great variety of schemes was presented. While the majority solved the problem excellently well, a number were impractical and would not have been successful in execution. The circulation in many cases was not liberal and would have made it difficult to maneuver an automobile in and out of the wash-room and the repair shop.

It was generally considered by the jury that the chauffeur's habitation should be in a wing removed as far as possible from the machine room. In some of the plans this was done, while others placed their rooms directly over the machines, which was not good.

In general it was the opinion of the jury that it was unnecessary to provide a separate entrance for each machine. If the car room was liberal in depth, two or at the most three wide entrances were sufficient.

The program called for the construction to be fire-proof. Many of the students treated their exteriors too much in the character of farm buildings and lost

sight of this important point in the construction of the garage.

The jury was greatly pleased with the character and presentation of the projects.

NOTIFICATION OF JUDGMENTS OF NOVEMBER 29, 1910

Conducted by the Committee on Education,
and the
Local Committee of San Francisco.

CLASS "B" I PROJET (Problem in Design) "AN AUTOMOBILE GARAGE"

The two Committees received over 200 Esquisses (Preliminary Sketches) and 131 Projets Rendus (sets of final drawings).

The following awards were made:

Name	Award	Atelier	City
C. Frank	1st M.	Licht	New York
E. D. Wagner	"	Hornbostel	"
J. A. Kilgour	"	"	"
L. Justement	"	Geo. Wash. Univ.	Washington
H. I. Slayton	"	Syracuse Univ.	Syracuse, N. Y.
J. A. Thomson	"	Cleveland Arch. Club	Cleveland
H. H. Brown	"	Carnegie Tech.	Pittsburg
Brandon Smith	"	"	"
C. H. North	"	Univ. of Pennsylvania	Philadelphia
J. M. Arellano	"	Drexel Institute	"
D. W. Wait	Mention	Carnegie Tech.	Pittsburg
John Lehti	"	Washington Arch.	Washington
H. E. Baker	"	Univ. of Pennsylvania	Philadelphia
T. Godfrey	"	"	New York
H. O. Zeigler	"	Drexel Institute	Philadelphia
B. Braunstein	"	Bosworth	New York
R. Hubel	"	Hornbostel	"
E. Voorhees	"	Drexel Institute	Philadelphia
W. W. Matthews	"	"	"
A. F. Fry	"	"	"
D. G. Mackee	"	Pietsch	Baltimore
T. Rutherford	"	Maxwell	Montreal
J. H. Harvey	"	Drexel Institute	Philadelphia
H. J. Ludeman	"	Prevot	New York
W. A. Mackley	"	Georgia Sch. of Tech.	Atlanta
C. M. Lovelace	"	Rhode Isl. Sch. Des.	Providence
L. B. Bradley	"	Carnegie Tech.	Pittsburg
W. H. Crosby	"	"	"
W. B. Rudolph	"	"	"
T. R. Critcherson	"	"	"
Wm. Johnson	"	"	"
F. L. Hill	"	Drexel Institute	Philadelphia
J. A. Lockie	"	Geo. Wash. Univ.	Washington, D. C.
H. N. McAuley	"	"	"
J. Blasey	"	"	"
A. C. McNaughton	"	"	New York
C. H. O'Brien	"	Carnegie Tech.	Pittsburg
H. Dowsell	"	Ware	New York
C. S. Phelps	"	Syracuse Univ.	Syracuse
R. K. Fleming	"	Carnegie Tech.	Pittsburg
R. R. Rose	"	"	"
G. Pratt	"	Syracuse Univ.	Syracuse
G. Neilsen	"	Geo. Wash. Univ. 3	Washington, D. C.
M. Kingsley	"	Carnegie Tech. 2	Pittsburg
A. Benswain	"	Carnegie Tech.	"
R. Wolff	"	Bennett	Chicago
C. Palmer	"	"T" Square	Philadelphia
L. Hudson	"	Carnegie Tech.	Pittsburg
O. L. Butler	"	Wash. Arch. Club	Washington, D. C.
C. Menz	"	Prevot	New York
H. Dalsin	"	Wash. Arch. Club	Washington, D. C.
J. P. Sweeney	"	"T" Square	Philadelphia
H. E. Reiger	"	"	"
B. F. Olson	"	Rhode Isl. Sch. Des.	Providence
E. Hayward	"	Boston Arch. Club	Boston
E. D. Ivey	"	Georgia Tech. School	Atlanta
F. E. Engle	"	Prevot	New York
C. Vollmer	"	Ware	"
W. I. Grau	"	Bosworth	"
W. Jackman	"	Prevot	"
J. M. Auld	"	Georgia Tech.	"
Robt. Pallesen	"	Ware	"
M. H. Levy	"	Georgia Tech.	"
John T. Gillig	"	Wash. Arch. Club	Washington, D. C.
A. Widman	"	Prevot	New York
J. K. Morse	"	"	"
B. Moscovitz	"	Bosworth	"
L. G. Bridgman	"	Ware	"
E. De Rosa	"	Hornbostel	"
W. B. Hilliard	"	Donn Barber	"
J. H. Barber	"	Carnegie Tech.	Pittsburg
C. E. Featherston	"	Hornbostel	New York
H. W. Hutchings	"	Maxwell	Montreal
E. Kleman	"	Ware	New York
F. C. Disque	"	Carnegie Tech.	Pittsburg
P. Lamm	"	Wyncoop	New York
W. T. Jones	"	Carnegie Tech.	Pittsburg
E. J. Holthausen	"	"	"
W. S. Parey	"	Donn Barber	New York
V. A. Ronzone	"	Hornbostel	"
J. P. Nepple	"	Ware	"
G. A. Ebelling	"	Carnegie Tech.	Pittsburg
G. R. McGlenn	"	"	"
J. B. Hays	"	"	"
C. Reiger	"	"	"

Name	Award	Atelier	City
R. S. Pallesen.....	HC	Ware.....	New York.
H. P. Pennington.....	HC	Prevot.....	San Francisco.
C. I. Harrison.....	Mention	Brown.....	"
W. Sherman.....	"	Kelham.....	"
T. Bearwald.....	"	".....	"
E. Frick.....	"	".....	"
T. Jones.....	"	".....	"
L. Rosenberg.....	"	Portland Arch. Club.....	Portland, Ore.

CLASS "B" I ANALYTIQUE (Order Problem) "AN ENTRANCE DRIVEWAY"

The two Committees received about 250 Esquisses (preliminary sketches) and 176 Projets Rendus (final drawings).

The following awards were made:

Name	Award	Atelier	City
W. R. Murphy.....	Men. Placed	Pietsch.....	Baltimore.
J. J. Carroll.....	"	Drexel Institute.....	Philadelphia.
B. M. Powers.....	"	Carnegie Tech.....	Pittsburg.
Francis Licht.....	"	Licht.....	New York.
J. B. Farn.....	Mention	Kast.....	Harrisburg, Pa.
S. J. Harris.....	"	Bosworth.....	New York.
A. Cohn.....	"	".....	"
J. P. Mahon.....	"	Licht.....	"
F. G. Fahnestock, Jr.....	"	Kast.....	Harrisburg, Pa.
N. H. Behrens.....	"	Licht.....	New York.
S. Dunne.....	"	St. Louis Arch. Club.....	St. Louis.
W. F. B. Koelle.....	"	"T" Square Club.....	Philadelphia.
E. S. Scheldt.....	"	Drexel Institute.....	"
W. L. Hillier.....	"	Hornbostel.....	New York.
G. L. J. Mentze.....	"	Drexel Institute.....	Philadelphia.
H. B. Purdy.....	"	".....	New York.
S. W. Gordon, Jr.....	"	Drexel Institute.....	Philadelphia.
C. A. Fenny.....	"	".....	"
E. H. Klein, Jr.....	"	Ware.....	New York.
R. Segal.....	"	".....	"
M. H. Tandy.....	"	Weston.....	Birmingham.
A. Francesconi.....	"	".....	New York.
W. H. Goodwin.....	"	".....	"
E. Crook.....	"	Whiting.....	Albany.
L. M. Loeb.....	"	".....	New York.
H. N. Weinberg.....	"	".....	"
G. L. Hayme.....	"	Geo. Wash. Univ.....	Washington, D. C.
M. Williams.....	"	".....	"
C. S. Mason.....	"	".....	"
E. J. Doelzer.....	"	Barber.....	New York.
William Nickel.....	"	".....	"
William Finkle.....	"	Carnegie Tech.....	Pittsburg.
C. R. Leland.....	"	Pietsch.....	Baltimore.
J. Aiken.....	"	Maxwell.....	Montreal.
F. Hudson.....	"	Hudson & Kidd.....	Buffalo.
C. Frick.....	"	Carnegie Tech.....	Pittsburg.
C. Meadowcroft.....	"	Maxwell.....	Montreal.
C. Handley.....	"	Drexel Institute.....	Philadelphia.
D. Fitzgibbon.....	"	Carnegie Tech.....	Pittsburg.
C. Bearinger.....	"	".....	"
W. Francis.....	"	Drexel Institute.....	Philadelphia.
L. Challinor.....	"	Carnegie Tech.....	Pittsburg.
C. Dillenback.....	"	".....	"
W. Godshall.....	"	Drexel Institute.....	Philadelphia.
P. Nuzum.....	"	Carnegie Tech.....	Pittsburg.
W. Smith.....	"	Hudson & Kidd.....	Buffalo.
G. Hall.....	"	Pietsch.....	Baltimore.
I. Feiner.....	"	Prevot.....	New York.
I. Cochman.....	"	Maxwell.....	Montreal.
J. J. Kenesky.....	"	Carnegie Tech.....	Pittsburg.
B. Broude.....	"	Carnegie Tech.....	"
J. E. Rape.....	"	".....	"
C. Gerlach.....	"	Drexel Institute.....	Philadelphia.
J. R. Zetwo, Jr.....	"	Carnegie Tech.....	Pittsburg.
F. B. Williams.....	"	Drexel Institute.....	Philadelphia.
R. A. Kerns.....	"	".....	"
F. W. Bouman.....	"	Carnegie Tech.....	Pittsburg.
D. Truscott.....	"	Drexel Institute.....	Philadelphia.
G. H. Krause.....	"	Carnegie Tech.....	Pittsburg.
F. Genther.....	"	"T" Square Club.....	Philadelphia.
W. J. Morgan.....	"	Carnegie Tech.....	Pittsburg.
C. Jaeger.....	"	Donn Barber.....	New York.
H. B. Fleischman.....	"	".....	"
A. Morison.....	"	Maxwell.....	Montreal.
E. Brent.....	"	Drexel Institute.....	Philadelphia.
M. Cowan.....	"	Carnegie Tech.....	Pittsburg.
F. Hutchings.....	"	Drexel Institute.....	Philadelphia.
T. Stanley.....	"	Donn Barber.....	New York.
S. McLaughlin.....	"	Rhode Isl. Sch. Des.....	Providence.
F. Irvington.....	"	Donn Barber.....	New York.
H. Douglas.....	"	".....	"
P. Getz.....	"	Univ. of Pennsylvania.....	Philadelphia.
F. Fischel.....	"	Carnegie Tech.....	Pittsburg.
E. Pike.....	"	Drexel Institute.....	Philadelphia.
A. Nucciarone.....	"	Meyers.....	Newark, N. J.
A. E. Fitch.....	"	Washington Univ.....	St. Louis, Mo.
G. Moore.....	"	Geo. Wash. Univ.....	Washington, D. C.
R. Resler.....	"	".....	"
R. Howard.....	"	Syracuse University.....	Syracuse.
E. Ackers.....	"	Donn Barber.....	New York.
L. Sigloch.....	"	Hornbostel.....	"
W. Reeves.....	"	Prevot.....	"
P. Reilly.....	"	".....	"
E. A. Nelson.....	"	Bosworth.....	"
H. C. Franks.....	"	Carnegie Tech.....	Pittsburg.
W. G. Bahl.....	"	".....	"
E. Moulton.....	"	Syracuse University.....	Syracuse, N. Y.
W. Beuttler.....	"	Washington Univ.....	St. Louis, Mo.
L. Pentnor.....	"	Bosworth.....	New York.
W. Johnson.....	"	Washington Univ.....	St. Louis, Mo.
J. A. Fisher.....	"	Wash. Arch. Club.....	Washington, D. C.

Name	Award	Atelier	City
W. H. Harold.....	Mention	Carnegie Tech.....	Pittsburg.
C. Flock.....	"	".....	"
A. Jefferson.....	"	".....	"
F. Weber.....	"	Prevot.....	New York.
E. Parmiter.....	"	".....	"
S. Hamilton.....	"	Wash. Arch. Club.....	Washington.
M. Craig.....	"	Ware.....	New York.
W. Maginnis.....	"	Drexel Institute.....	Philadelphia.
H. Kline.....	"	Carnegie Tech.....	Pittsburg.
W. P. Aquin.....	"	Maxwell.....	Montreal.
D. Kornblum.....	"	Carnegie Tech.....	Pittsburg.
L. H. Button.....	"	".....	"
T. L. Randolph.....	"	"T" Square Club.....	Philadelphia.
J. L. Nicholson.....	"	".....	"
P. Umbach, Jr.....	"	Washington Univ.....	St. Louis, Mo.
D. L. Evans.....	"	Carnegie Tech.....	Pittsburg.
H. Brookman.....	"	Bosworth.....	New York.
A. W. Boylen.....	"	Boston Arch. Club.....	Boston, Mass.
R. Luzintus.....	"	Cleveland Arch. Club.....	Cleveland, O.
R. W. Dickerson.....	"	".....	"
H. W. Fox.....	"	".....	"
R. S. Price.....	"	Washington Univ.....	St. Louis, Mo.
A. E. Fitch.....	"	".....	"
J. G. Brown.....	"	Maxwell.....	Montreal, Can.
C. J. Oakley.....	"	Hudson & Kidd.....	Buffalo.
H. K. Davies.....	"	Wyncoop.....	New York.
C. A. Shearinger.....	"	"T" Square Club.....	Philadelphia.
F. D. Hagit.....	"	".....	"
J. J. Haushalter.....	"	Carnegie Tech.....	Pittsburg.
C. W. Upham.....	"	Syracuse University.....	Syracuse.
C. A. Frank.....	"	Carnegie Tech.....	Pittsburg.
C. T. Weidner.....	"	"T" Square Club.....	Philadelphia.
R. G. Biederman.....	"	St. Louis Arch. Club.....	St. Louis, Mo.
H. Logeman.....	"	Mil. Dfsm's. Club.....	Milwaukee.
E. Clare.....	"	Rhode Isl. Sch. Des.....	Providence.
F. A. Rousseau.....	"	".....	"
P. Marzillier.....	"	Mil. Dfsm's. Club.....	Milwaukee.
Robt. Peal.....	"	Cleveland Arch. Club.....	Cleveland, O.
W. J. Gill.....	"	".....	"
J. W. Rainey.....	"	St. Louis Arch. Club.....	St. Louis, Mo.
A. R. Williams.....	"	Brown.....	San Francisco.
H. Michelson.....	"	".....	"
H. E. Burnett.....	"	".....	"
S. C. Flawn.....	"	".....	"
C. Warnecke.....	"	".....	"
J. W. Bagley.....	"	Kelham.....	"
A. H. Larsen.....	"	".....	"
M. Morrison.....	"	".....	"
R. Monson.....	"	".....	"
G. Thibault.....	"	".....	"
T. Bendell.....	"	".....	"
A. Urisin.....	"	".....	"
P. Boulanger.....	"	Seattle Arch. Club.....	Seattle, Wash.
P. C. Collins.....	"	Portland Arch. Club.....	Portland, Ore.
A. Fleurtiss.....	"	".....	"
W. G. Hathaway.....	"	".....	"
B. E. Brooke.....	"	".....	"
W. Helm.....	HC	Brown.....	San Francisco.
A. G. Horstman.....	"	Kelham.....	"
G. Sneeringer.....	"	Seattle Arch. Club.....	Seattle, Wash.
C. K. Green.....	"	Portland Arch. Club.....	Portland, Ore.

Supplementing Judgment of November 8th the Committee received 6 Class "A" I Projet Rendus; 1 Class "A" Esquisse-Esquisse; and 4 Class "B" I Esquisse-Esquisse; and made the following awards: Note: the delivery of the above drawing was delayed by recent express strike.

CLASS "A" I PROJET (Problem in Design)

"A COUNTRY INN"

Name	Award	Atelier	City
A. E. McGrail.....	Mention	"T" Square Club.....	Philadelphia.
F. D. L. Morgan.....	"	".....	"
H. Rich.....	2nd Med.	".....	"
Walter Cope.....	Mention	".....	"
W. C. Stanton.....	"	".....	"

CLASS "A" I ESQUISSE-ESQUISSE. No Awards.

CLASS "B" I ESQUISSE-ESQUISSE. No Awards.

The Beautification of Fifth Avenue, New York

The problems involved in the improvement of Fifth Avenue, New York, were discussed at a dinner in the rooms of the Architectural League on the evening of December 6. Addresses were made by Mr. Robert Grier Cooke, president of the Fifth Avenue Association, President Hanson of the Municipal Art Society, and others interested in the movement.

Reports of the meeting do not appear to indicate any crystallization of opinion as to just what should be done to effect the result desired. It will be necessary to resolve all the various ideas into some tangible plan before material results can be looked for.

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ILLUSTRATIONS

- COMMERCIAL BUILDINGS AT SAN FRANCISCO, CAL. *The Brickbuilder*, October, 1910.
- FACTORY BUILDING FOR R. SCHIFFMAN CO., St. Paul, Minn., James A. MacLeod, Architect. Exterior photographs. *The Western Architect*, November, 1910.
- HOUSE AT CHICAGO, ILL., H. R. Wilson & Co., Architects. Exterior photographs. *The Brickbuilder*, October, 1910.
- HOUSE AT HEADLEY SURREY, E. Guy Dauber, Architect. One drawing. *The International Studio*, December, 1910.
- HOUSES AT HORSHAM AND CUCKFIELD SUSSEX AND WOKING SURREY AND DYMCHURCH KENT. Exterior photographs and plans. *The Brickbuilder*, October, 1910.
- HOUSE AT RIVERSIDE, ILL., Louis J. Sullivan, Architect. Exterior photographs and plans. *The Brickbuilder*, October, 1910.
- HOUSE AT ST. LOUIS, MO., Edward G. Graham, Architect. Exterior photographs and plans. *The Brickbuilder*, October, 1910.
- HOUSE IN NORTH BEDFORDSHIRE, SKETCH DESIGN FOR A. A. P. Starkey, Architect. *The International Studio*, December, 1910.
- INSTITUTE OF MUSICAL ART OF THE CITY OF NEW YORK, DONN Barber, Architect. Sixteen pages, photographs and plans. *The New York Architect*, November, 1910.
- LINCOLN PARK REFECTORY, Chicago, Ill., Perkins & Hamilton, Architects. Exterior and interior photographs and plans. *The Brickbuilder*, October, 1910.
- MASONIC TEMPLE, St. Paul, Minn., Buechner & Orth, Architects. Exterior photograph. *The Western Architect*, November, 1910.
- OLIVET CONGREGATIONAL CHURCH, St. Paul, Minn., Clarence H. Johnstone, Architect. Exteriors and plans. *The Western Architect*, November, 1910.
- RESIDENCES FOR BENJAMIN L. AND WILLIAM L. GOODKIND, St. Paul, Minn., Reed & Stem, Architects. Exterior photographs. *The Western Architect*, November, 1910.
- RESIDENCES FOR CHARLES H. AND FRED R. BIGELOW, St. Paul, Minn., Thomas G. Holyoke, Architect. Exterior photographs. *The Western Architect*, November, 1910.
- SHADOW BROOK FARM, Shrewsbury, N. J., Albro & Lindeberg, Architects. Three pages, photographs. *The International Studio*, December, 1910.
- ST. PAUL HOTEL, St. Paul, Minn., Reed & Stem, Architects. Exterior and interior photographs. *The Western Architect*, November, 1910.
- Y. M. C. A., St. Paul, Minn., Clarence H. Johnston, Architect. Exterior photographs and floor plans. *The Western Architect*, November, 1910.
- Y. W. C. A., St. Paul, Minn., C. H. Johnston, Architect. Preliminary drawings. *The Western Architect*, November, 1910.

TEXT

- APARTMENT COMPETITION. 3 pages, illustrated. *The Western Architect*, November, 1910.
- ARCHITECTURAL ACOUSTICS, HINTS ON. By Hugh Tallant. 5 pages, illustrated. *The Brickbuilder*, October, 1910.
- ARCHITECTURAL ORNAMENT, THE EVOLUTION OF. By G. A. T. Middleton. 9 pages, illustrated. *The Architectural Record*, November, 1910.
- ARCHITECTURAL ORNAMENT, THE EVOLUTION OF. By G. A. T. Middleton. 12 pages, illustrated. *The Architectural Record*, December, 1910.
- ARCHITECTURE OF AMERICAN COLLEGES, THE. By Montgomery Schuyler. 13 pages, illustrated. *The Architectural Record*, December, 1910.
- ARCHITECTURE, THE NEW. By A. C. David. 16 pages, illustrated. *The Architectural Record*, December, 1910.
- ARTIST DECORATOR, THE AMERICAN. 2 pages, illustrated. *The New York Architect*, November, 1910.

- "A THATCHED PALACE," Albro & Lindeberg, Architects. 14 pages, illustrated. *The Architectural Record*, November, 1910.
- BRUSSELS EXPOSITION, 1910. By Francis S. Swales. 20 pages, illustrated. *The Architectural Record*, December, 1910.
- COMPETITION CODE AND THE PUBLIC. By Lansing C. Holden. 1 page. *The New York Architect*, November, 1910.
- COUNTRY HOUSES, SMALL, IN ENGLAND. By G. H. Chettle. 6 pages, illustrated. *The Western Architect*, November, 1910.
- DOMESTIC ARCHITECTURE, RECENT DESIGNS IN. 4 pages, illustrated. *The International Studio*, December, 1910.
- ENGLISH HOUSES, INEXPENSIVE, WHICH OFFER SUGGESTIONS. By Henry A. Frost. 4 pages. *The Brickbuilder*, October, 1910.
- FOUR HOUSES. By Chapman & Fraser. 6 pages, illustrated. *The Architectural Record*, November, 1910.
- PARIS SCHOOL DAYS. By George Chappell. 15 pages, illustrated. *The Architectural Record*, November, 1910.
- RUMSON COUNTRY CLUB, THE, Freeman & Hasselman, Architects. 14 pages, illustrated. *The Architectural Record*, November, 1910.
- SAN FRANCISCO, BURNT CLAY'S SHARE IN THE REBUILDING OF. By William C. Hays. 7 pages, illustrated. *The Brickbuilder*, October, 1910.
- "SERIO-PIFFLE ARCHITECTURE." By Ellis Parker Butler. 6 pages, illustrated. *The Architectural Record*, November, 1910.

Proposed Competition for San Francisco City Hall

It is stated in the local press that the Public Buildings Committee of San Francisco, Cal., has recommended that the planning of the proposed City Hall be open to competition.

It is proposed that \$20,000 be set aside by the Finance Committee for prizes in the competition. The estimated cost of the City Hall is \$4,500,000.

PERSONAL

Buechner & Orth, architects, St. Paul, Minn., have moved to new offices in the Shubert Building.

The partnership heretofore existing between William T. Warren and William L. Welton, architects, Birmingham, Ala., has, we are informed, been dissolved by mutual consent.

A number of fellow artists and close personal friends of the late Stanford White have under consideration a plan to erect a permanent memorial as a tribute to his genius and in recognition of his work as an architect. No definite plan has as yet been adopted.

It is stated in the daily press that Mr. F. B. Huntington, of Hopping, Koen & Huntington, and Mr. Charles D. Wetmore, of Messrs. Warren & Wetmore, all of New York, have been commissioned to prepare plans for a series of government prisons and police jails which the Cuban Government will erect on the island.

Mr. William Welles Bosworth, of New York, is now at work upon the landscape problem in connection with the development of what is known as the Letchworth Village, in Rockland County, back of Haverstraw, N. Y., having been appointed by the State to do this work.

The State has recently completed the purchase of several thousand acres of land and will establish a group of buildings, comprising a small town of about three thousand inhabitants. The population will be made up

of the feeble-minded and crippled of all ages and both sexes.

The town site has been connected with the Erie Railroad system by a branch, and in order to insure an ample supply of pure water a dam has been constructed in a notch between the mountains, the overflow from which forms a stream, dividing the valley into two sections. The settlement will be located here—the males and females on opposite sides of the stream, which will be extended at certain points into ponds and other water effects. There will be playgrounds and industrial buildings, social center, etc., and when completed the community will have the character of a cheerful country village instead of the usual depressing effect of a State institution.

Arnold W. Brunner, President of the New York Chapter, on the Creation of a City Architect

In an interview with Mr. Arnold W. Brunner, president of the New York Chapter of the Institute, he stated to a representative of THE AMERICAN ARCHITECT that he was thoroughly in favor of the appointment of a City Architect.

It was Mr. Brunner's opinion, however, that the duties of the office should be purely advisory, and not along the lines laid down by the Board of Estimate.

Mr. Brunner believed that the profession would be very glad to have the city represented by a capable man with whom the architects engaged in municipal work might confer and to whom they could look for such suggestions as might be properly received from the city as a client. This would do away with the conflicting and often impractical suggestions that are usually made to the architect by the heads of different departments.

Mr. Brunner stated he would regard it as unwise to create any office wherein it was proposed to design and plan buildings, or one that would in any way interfere with existing competitive methods.

Mr. Brunner quite naturally believed that in the creation of the proposed office the profession should have an opportunity to state its views, and that he would be glad, if invited, to appoint a Committee of the Chapter to discuss the question with the Committee of the Board of Estimate.

CHAPTER AND CLUB NEWS

REPORT FROM THE CLEVELAND CHAPTER

The regular monthly meeting of the Cleveland Chapter A. I. A. was held at the Hollenden Hotel, Thursday evening, November 4. President Chas. E. Tousley and Mr. S. S. Hubbell were designated as delegates to attend the annual convention which is to be held in San Francisco in January.

Difficulty is being experienced in securing the cooperation of material-men and contracting firms with the Chapter and the Club in the campaign of education for better buildings, better materials and better workmanship, with the architectural exhibition which we plan to hold some time in December. An effort is being made by the committee in charge of the exhibition to reduce the expense in connection with the exhibition and at the same time to give the men who supply the sinews of war as much in return as possible. With this end in view material-men and other advertisers will be given floor space at the exhibition and a supplementary catalogue to the regular elabor-

ately illustrated catalogue will be issued and sold at the exhibition for a nominal sum. It will contain an index of the drawings and the advertisements of the material-men. This catalogue will be given wide publicity and will contain only the advertisements of first-class, reputable concerns.

A communication from the Rhode Island chapter was read relating to the "Institute's Code for the Conduct of Competitions." The sentiment of the Cleveland chapter is strongly with the code as helping to define the legitimate practice of architecture as contrasted with loose methods and the undignified attitude of the uneducated miscalled "architect."

INDUSTRIAL

CEMENT SHOW IN NEW YORK

As already announced in these columns the First Annual Cement Show will be held in Madison Square Garden, New York, December 14-20. (After a great deal of experimenting, it was decided to make corner posts and railings of cement. This big task has been carried out successfully, and for the first time, the Cement Show will be truly a "Cement Show.") Along the front of the elevated platform in Madison Square Garden a solid wall of concrete will be built and at the rear of all booths there will be a three-foot concrete wall surmounted by an iron picket fence. Electric light brackets, brackets for hanging signs and even the signs themselves will be of cement. The effect produced will undoubtedly be considered as a distinct novelty at Trade Shows. The problem of successfully installing all this material is a stupendous one.

The list of exhibitors includes every important cement company and in the allied trades.

DECORATION, PROTECTION AND ECONOMY

The days of panaceas are past just in exactly the same way that it is no longer considered possible to make one quality of paint that will serve every purpose for which paint is used.

Schoellkopf, Hartford & Hanna Co., whose sales offices for their Paint Department is in the Hudson Terminal, 30 Church street, this city, appear to have thoroughly realized this fact when they perfected the various special paints, which they sell under the trademark name of "Steelkote."

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To meet other conditions, combining the three factors that are regarded as essentials in the modern paint, decoration, protection and economy, "Steelkote" paint is made in several shades of color. The makers claim nothing new in the manufacture of these paints. They state, "these 'Steelkote' specials are based on the old principles of paint-making, good iron ore, good coloring pigments and good linseed oil vehicle, thoroughly ground and mixed in specially devised American machinery."

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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BAY MINETTE.—Hotel Phoenix has been destroyed by fire; new hotel will be built. Mrs. S. Wilkins, Proprietor.

GROVE HILL.—Clark County Commissioners are receiving bids for erection of annex to court house.

MOBILE.—Corinth Chair Co. will at once erect plant in North Mobile. W. J. Cooper, President.

ARIZONA

TUCSON.—Erection of \$40,000 Y. M. C. A. building is being considered.

CALIFORNIA

CHICO.—Board of City Trustees will receive plans until about Jan. 3 for erection of two-story, \$32,000 City Hall at Fifth and Main Sts.

CLAREMONT.—Plans by Architect Robert Orr, Pomona, have been accepted for erection of proposed high school.

FALL RIVER MILLS.—Union School District will vote on site for erection of proposed high school.

LONG BEACH.—T. G. Harriman will erect modern business block on East Ocean Ave.

LOS ANGELES.—Architectural Designing Co. has completed plans for erection of \$5,000 bungalow at 482 Gramercy Pl. for Forest Stanton.

LOS ANGELES.—Board of Education is considering purchase of site at Third and Virgin Sts. and Commonwealth Ave. for erection of school.

LOS ANGELES.—Sierra Madre Club is considering plans for erection of club house.

OAKLAND.—Security Bank & Trust Co. will erect seven-story building at Eleventh and Broadway. Cost \$200,000. Reed & Meyers, Architects.

PASADENA.—Pasadena Furniture and Carpet Co. will erect two-story building.

SACRAMENTO.—The "A" Auto Mfg. Co., First National Bank Bldg., San Francisco, will erect auto plant. Seven buildings proposed. Cost \$150,000. C. C. Frye, 127 Montgomery St., San Francisco, Architect.

SAN FRANCISCO.—Public Buildings Committee has recommended inviting of competitive plans for erection of permanent city hall at McAllister and Larkin Sts. and City Hall Ave.

SAN FRANCISCO.—Plans have been accepted by B. A. Weyl and M. L. Cahn for \$18,000 apartment house to be erected on Californit St. W. G. Hind, Humboldt Bank Bldg., architect.

SEBASTOPOL.—Architect Bramer Jones, Petaluma, will prepare plans for erection of large auditorium for directors of Sonoma County Grovenstein Apple Show.

WOODLAND.—Second Baptist Church will erect edifice. Address Pastor Reed.

COLORADO

TRINIDAD.—T. P. Barber & Bro., Colorado Springs, have been selected to prepare plans for \$25,000 edifice to be erected by First Methodist Church.

CONNECTICUT

HARTFORD.—Charter Oak Ave. School has been destroyed by fire; new building will be erected. Dr. Naylor of School Committee is interested.

NEW BRITAIN.—Colonel Frank H. Alford is interested in proposed erection of five-story brick block on Main St.

NEW HAVEN.—St. Stanislaus Polish R. C. Society will erect church and school house in spring at Elm and State Sts.

SOUTHINGTON.—Committee composed of Thomas Holt, C. C. Persiana, E. N. Walkley, W. J. Gould, Samuel McKenzie, W. T. Foley and A. T. Bishop, has been appointed to look after matter of building school building on unit plan near center of town, eight rooms to be built now and eight added later on.

WATERBURY.—Architect John B. Duhaime, 95 Bank St., has completed plans for cement studio in Oakville for Gomeillo Seasor.

DELAWARE

SEAFORD.—Local Masons are considering erection of three-story brick building.

WILMINGTON.—Plans will be prepared by Supervising Architect James K. Taylor, Treasury Department, Washington, D. C., for enlargement of post office.

FLORIDA

JACKSONVILLE.—Fire Committee is considering plans for erection of fire station on Kings Road.

Architect Rutledge Holmes is preparing plans for large five-story building, which is to be erected on Bay St. for Solomon S. Shad.

KEY WEST.—Houston Ice and Brewing Co. will erect concrete store and office building on Duval St.

LAKELAND.—Southern Express Co. will erect office building on Tennessee Ave.

LEE.—Banking company, recently organized, will erect building. M. D. Williams, Live Oak, President.

ST. PETERSBURG.—Local Masons are considering erection of Masonic temple at Fourth St. and Second Ave., South.

GEORGIA

AUGUSTA.—Atlantic Coal and Ice Co. will erect \$100,000 cold storage plant in this city. E. E. Egan, Atlanta, general manager.

MACON.—N. M. Block is interested in proposed erection of hotel.

MACON.—Mercer University is considering erection of additional buildings.

Plans have been adopted for rebuilding of city hall at Cotton Ave. and Second St.

MACON.—County Commissioners will consider erection of jail in rear of court house.

ROME.—Complete plans for new Shorter college buildings have been accepted by Trustees of college. Architect is William T. Downing, Prudential Bldg., Atlanta. Construction work will be begun immediately.

ROME.—Citizens have voted \$100,000 bonds for public schools. J. W. Hancock, Mayor.

ILLINOIS

CHICAGO.—Corbin Sons & Co., 87 Michigan Ave., will erect \$80,000 building on Erie St. Plans are being prepared by Architect S. N. Crowen, Stock Exchange Bldg.

DECATUR.—Plans for building to replace Wabash machine shop destroyed by fire are being made by C. O. Cunningham, St. Louis, Chief Engineer.

MOLINE.—Council has decided to ask for plans for erection of \$100,000 city hall.

INDIANA

BLOOMINGTON.—Phi Gamma Delta is considering erection of \$15,000 home. Judge Wilson, City, Chairman, Building Committee.

CORYDON.—Lutheran Church will be erected in Harrison County, near this city. Wm. Pepper, Geo. Good and John Engleman, Chairman, Building Committee.

DALEVILLE.—K. of P. Lodge will erect store-room and castle hall on Mill St. in near future.

INDIANAPOLIS.—Plans have been prepared for office building to be erected by Millers' Mutual Fire Insurance Co. on Meridian St.

INDIANAPOLIS.—Eugene Weaver, Owner and Architect, will erect three modern apartment houses on Ashland Ave.

Taylor C. Power is planning to erect five-story, \$40,000 building at Delaware and Michigan Sts.

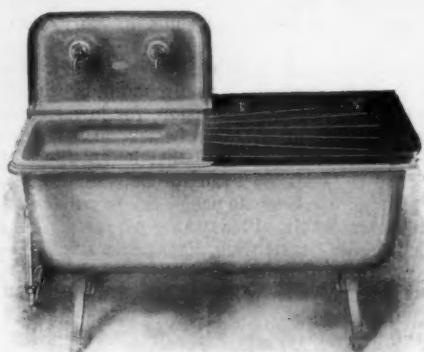


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INDIANAPOLIS.—Louis E. Burkhart, 518 South Meridian St., has had plans completed for erection of \$30,000 vaudeville theater at Meridian and Wilkins Sts.

Storck-Browning Carpet Sewing Co., 52 When Bldg., will erect \$25,000 three-story brick plant in spring. Bacon & Griswold, architects.

Central Amusement Co. will erect \$40,000 theater at 135 North Illinois St. in spring.

Perdue University is urging following appropriations: New library building, \$100,000; dairy building, \$60,000; building for veterinary clinic, \$25,000; horticultural department (buildings), \$30,000; horse and cattle barns, \$50,000; for agricultural extension work, \$10,000; armory, \$50,000; also woman's building.

LOGANSPORT.—City will receive \$50,000 bequest for erection of public hospital.

PIERCETOWN.—School Board has commissioned Cosmo Ellwood and W. M. Ellwood, Elkhart, to prepare plans for new high school building to cost \$27,000.

IOWA

CEDAR RAPIDS.—Star of the West Lodge No. 1, K. of P., will erect home at 420 First Ave. Brown Bros., Security Bank Bldg., and C. A. Dieman, Granby Block, associated architects. R. R. Mayberry, superintendent of construction.

CLINTON.—First Congregational Church Society will erect edifice in near future.

DES MOINES.—M. H. Cohen will erect business block on Locust St.

DES MOINES.—Adjutant General Guy E. Logan of National Guard is urging erection of large arsenal and armory.

KENTUCKY

COVINGTON.—St. Augustine R. C. Church planning erection of \$65,000 edifice.

LOUISVILLE.—Directors of Association Sanitarium have decided to at once erect proposed cottage home.

Beth Israel Society will erect \$25,000 building on Walnut St. Joseph & Joseph, Commercial Bldg., Architects. A. Weber, President.

McDonald & Dodd, Architects, Equitable Bldg., have about completed plans for three-story store building to be erected for Isaac F. Starks at 654 South Fourth Ave.

LOUISIANA

COVINGTON.—Citizens will vote early in Jan. on \$40,000 bonds to erect high school.

HAMMOND.—Citizens are considering \$100,000 bond issue for improvements including erection of school, fire house, town hall and jail.

MARYLAND

BALTIMORE.—George R. Morris is having plans prepared for erection of six-story apartment house, cost \$30,000, at Madison Ave. and Wilson St.

Architects Butler & Rodman, 16 E. Twenty-third St., New York City, have prepared plans for erection of \$15,000 residence at Ruxton for Nelson Strother.

R. Walter Graham will erect \$20,000 warehouse at 608 E. Pratt St.

BALTIMORE.—Frederick J. Green will erect \$5,000 residence on Gwynn Oak Ave. Henry J. Tinley, Architect.

A. C. Doyle will at once erect twelve dwellings on North Culvert St. Cost \$60,000. John R. Forsythe, 232 St. Paul St., Architect.

Architect A. Lowther Forrest, 417 St. Paul St., has been commissioned to prepare drawings for \$35,000 church on Roland Ave. for the Roland Ave. Methodist Episcopal Congregation.

BALTIMORE.—R. Ember & Co. are having plans made by John Freund, architect, 210 E. Lexington St., for a \$10,000 furniture store at 1016 East Baltimore St.

Architect Henry R. Tinley has prepared plans for erection of \$15,000 apartment house at Garrison and Highland Aves. for J. Frank and E. Bechtel. Bids will be received until Dec. 15.

Rice Bros., bakers, North Gay St., have commissioned Architect John Freund, Jr., to prepare plans for a large addition to their plant.

Plans are being prepared by Frank Beall, Architect, 213 St. Paul St., for \$8,000 moving-picture parlor at 1940 and 1942 W. Pratt St.

BOWIE.—The Gottlieb-Bauernschmidt-Straus Brewing Company will build large warehouse and storage building.

MASSACHUSETTS

BOSTON.—Plans have been prepared for two-apartment frame house to be built for Samuel S. Dennis in Corey St., West Roxbury. Cost \$9,000.

BOSTON.—Plans have been approved for building, plumbing, electrical heating and ventilating as prepared by the School-house Department, Architectural Division, for lower elementary school, Edward Everett District, Dorchester; also building and plumbing plans for Prescott School boiler-house annex as prepared by Brainerd & Leeds, 89 Franklin St., Architects.

New England Historic Genealogical Society will erect \$100,000 home at 18 Somerset St. Plans being prepared.

LOWELL.—Centraville Social Club, Rosario Lussier, President, is considering erection of building.

LYNN.—Mrs. A. S. Wyman will erect modern block at Washington and Munroe Sts.

John B. Renton Co. will erect factory in Glenmere after plans by Dana A. Sanborn, 38 Exchange Place, Chas. E. Harwood, manager.

MICHIGAN

DETROIT.—Lafayette Society will erect \$6,000 building at 189 Gratiot Ave. C. F. J. Barnes, Tolsman Bldg., Architect.

Plans have been prepared for erection of three-story brick church, house and gymnasium on Woodward Ave. and Edmund Place for First Presbyterian Church.

GRAND RAPIDS.—Mrs. M. J. Clark is having plans made for \$25,000 addition to the Clark Memorial home on Sherman St.

GRAND RAPIDS.—Michigan Trust Building Corporation has decided to erect addition to building on Ottawa St. Williamson & Crow, The Gilbert, Architects.

IRONWOOD.—Greek Catholics will erect church on north side of city.

LANSING.—Korf Manufacturing Co. will reorganize and erect plant. W. H. Joy, President.

MINNESOTA

CANNON FALLS.—Bids will be received until 8.30 P.M., Dec. 21, for erection of high school. F. W. Kinney, 605 Kasota Bldg., Minneapolis, architect; P. S. Aslakson, Secretary, Board of Education.

DULUTH.—F. G. German, American Ex. Bank Bldg., has completed plans for new Jerome-Merritt School to be erected in Oneota district. Cost \$52,000. Bids will be received Jan. 6.

Kelly & Lignell, Lonsdale Bldg., have been commissioned to prepare plans for addition to Lowell School at Duluth Heights. Cost about \$18,000.

HEWITT.—Bids will be received until 1 P.M., Dec. 21, for complete erection of school. C. H. Parsons & Co., 601 Phoenix Bldg., Minneapolis, architects; F. G. Pike, Clerk, School District.

MINNEAPOLIS.—Fire Committee has asked for another bond issue of \$100,000; engine houses are needed in Lake Harriet district and in Ninth Ward.

Park Superintendent Theodore Wirth has prepared plans for erection of bathhouse on Lake Calhoun.

MINNEAPOLIS.—Board of Education has decided to erect two moderate sized high schools in Central High School district.

WINONA.—Architect S. A. Myhre has prepared tentative plans for erection of College for Boys. Rt. Rev. P. J. Heffron is interested.

MISSISSIPPI

ABERDEEN.—Methodist Congregation will erect \$30,000 edifice; plans prepared.

MISSOURI

KANSAS CITY.—F. C. Gunn, Postal Bldg., has prepared tentative plans for erection of \$75,000 hospital for contagious diseases of children.

St. JOSEPH.—Building Committee has adopted plans by Architect Walter S. Boschen for erection of proposed Y. M. C. A. building at Tenth and Farvan Sts.

St. LOUIS.—St. Philip's Episcopal Parish, Rev. E. D. Johnston, Rector, is making plans to build \$25,000 church in Spring at corner of Union and Maple Aves.

NEBRASKA

HASTINGS.—Plans by Architect Thomas R. Kimball, McCague Bldg., Omaha, have been accepted for erection of proposed Mary Lanning Memorial Hospital.

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NEW JERSEY

EAST ORANGE.—John B. Wilson, 54 Arlington Ave., is planning to erect \$10,000 residence on Maplewood Ave.

GLEN RIDGE.—Plans by Architect G. B. Webb, city, have been selected for erection of proposed school.

JERSEY CITY.—Plans have been completed by Architect William H. Bogart, 712 Bergen Ave., for double and single flat, cost \$30,000, on Gardner Ave. for Lowry & Teltsch Co., of 76 Montgomery St.

JERSEY CITY.—From plans as prepared by Architect John A. Resch, 170 Lexington Ave., two two-family houses will be erected on Van Nostrand Ave. for William E. England, of 290 Bergen Ave. Cost \$11,200.

John A. Philman, 218 Bay View Ave., will erect six-family, \$10,000 flat on Dwight St., from plans by Architect Charles A. Fall, of Hoboken.

KEARNY.—Mendel Samuel & Sons, 157 Commerce St., Newark, will erect \$150,000 plant on Harrison Ave.

NEWARK.—Cohen & Berman have completed plans for erection of two three-story apartment houses on Twelfth St. for Dolgan & Medelsohn.

D. B. Dunham & Sons, Rahway, will erect large plant, cost \$50,000, at Central Ave. and Fourth St. Wm. E. Lehman, 738 Broad St., architect.

NEWARK.—St. Andrews Episcopal Church will erect \$15,000 edifice at Clinton Ave. and South Seventeenth St. Francis Averkamp, 59 Thirteenth Ave., architect.

JERSEY CITY.—M. G. Goodman, 76 Montgomery St., will erect \$20,000 apartment at Fulton and Hudson Aves., Union Hill. Hyman Rosensohn, 745 Broad St., Newark, Architect.

SUMMIT.—Board of Education will erect proposed school on Morris Ave.

NEW YORK

BALLSTON SPA.—Saratoga County Supervisors have decided to erect tuberculosis sanitarium.

BROOKLYN.—Shapiro & Aronson, 24 Morton St., will erect \$20,000 reinforced concrete factory. F. A. Waldron, 37 Wall St., New York City, Architect. Bids received about Dec. 31.

GOWANDA.—Erie Railroad will erect passenger station in Spring.

KINGSTON.—Council has provided \$13,000 for improvements at the Wilbur School.

MIDDEVILLE.—West Canada Creek Grange No. 566, P. of H., is considering erection of hall.

MT. VERNON.—Samuel Rosef is having plans prepared for erection of business building on S. Fourth Ave. S. A. Guttenberg, 37 Prospect Ave., architect.

NEW YORK.—Georger Becker Construction Co., 1182 Broadway, will erect twelve-story store and office building at 62 Forty-fifth St. Rouse & Goldstone, 12 West Thirty-second St., architects.

NEW YORK.—L. T. Alton is having plans drawn by Gronenberg & Leutchtig, 3 W. Twenty-second St., for erection of four-story garage at Broadway near Ninety-fourth St.

Plans have been filed for twelve-story office and loft building to be erected for the Consolidated Gas Company at corner of Irving Pl. and Fifteenth St. Henry J. Hardenbergh, 47 W. Thirty-fourth St., Architect, has estimated cost of structure at \$500,000.

A. Schulte, World Bldg., will erect store building at Third and Tremont Aves., Bronx.

Isaac H. Peller, 381 Fifth Ave., will erect building at 383 Fifth Ave.

NEW YORK.—West Side Y. M. C. A., 318 W. 57th St., will at once erect twelve-story, \$200,000 dormitory on Fifty-sixth St.

Froma Realty Co., 63 Park Row, will erect six-story brick store and loft building on Greenwich St. Cost \$45,000. Goldner & Goldberg, 704 Jackson Ave., Architects.

NEW YORK.—Mital Realty Co., 132 Nassau St., will erect two-story, \$50,000 brick theater on 116th St. D. Stone, Bible House, Architect.

Handy Bros., 2342 Morris Ave., will erect \$7,500 brick stable on Ryer Ave. John P. Boyland, 103 E. 125th St., Architect.

NEW YORK.—Joseph Gerardi, 200 Broadway, will erect two three-story brick dwellings, cost \$30,000, on Richardson Ave. L. C. Maurer, 1493 Broadway, Architect.

NIAGARA FALLS.—Niagara Camp, No. 8645, Modern Woodmen of America, is considering erection of temple.

OSWEGO.—Architect John H. Seeber has completed plans for building to be erected by James Shufelt at Syracuse Ave. and East Fourth St. and local contractors will be asked to submit bids on or about Jan. 1.

POUGHKEEPSIE.—Board of Supervisors has voted \$25,000 for erection of tuberculosis hospital.

ROCHESTER.—J. W. Storandt Mfg. Co., 322 St. Paul St., will erect factory on Lyall Ave. Jos. H. Oberlies, Granite Bldg., Architect.

ROCHESTER.—Rochester Telephone Co. will at once erect Exchange building at Park Ave. and Geyer St.; excavation begun.

WATERVILLE.—St. Bernard's Congregation will erect \$30,000 edifice this Spring on site of present church.

OHIO

CINCINNATI.—Dickman & Ortman are preparing for erection of five modern homes in Burwood Ave., South Norwood. Cost \$40,000.

Contracts for erection of a three-story concrete building for Thomas E. Kennedy at 122 and 124 E. Eighth St. will be awarded soon by Architects Joseph Steinkamp & Bro., Mercantile Library Bldg.

Architects Elzner & Anderson, Ingall Bldg., will soon award contracts for erection of two residences.

CINCINNATI.—Harry T. Scully will erect one-story factory on Lexington Ave., Norwood.

CINCINNATI.—Park Commissioners are considering improvements in way of shelter houses, comfort stations and band stands in existing parks; plans by Park Expert Kessler.

CINCINNATI.—Bids will be received until noon Jan. 2 for erection of school building at corner of Freeman Ave. and Poplar St. Tietig & Lee, 711 Lyric Theater Bldg., Architects. C. W. Handman, Business Manager Board of Education.

Cincinnati Union Depot & Terminal Co. has filed acceptance with City authorities of ordinance passed last Summer providing for \$10,000,000 union depot for Cincinnati. John L. Bleekman, President.

CLEVELAND.—E. M. Statler, Buffalo, N. Y., has secured site at Euclid Ave. and E. Twelfth St. for erection of sixteen-story hotel; plans being prepared.

COLUMBUS.—State Board of Agriculture will ask Legislature for \$25,000 appropriation for buildings at State fair grounds.

DELAWARE.—Estimates for construction of several new buildings at the Girls' Industrial Home, will be prepared by Marriott & Allen, Hayden-Clinton Bank Bldg., Columbus, architects; estimates will be for a chapel building to cost \$40,000, two cottages at \$40,000 each, one laundry at \$18,000 and barns and sheds to cost \$20,000.

LIMA.—A. DeCurtians has been selected to prepare plans for \$100,000 edifice for Church of St. John.

NILES.—Architect Thomas Hannah, Kessan Bldg., has been selected to prepare plans for erection of new school and for addition to Warren ave. school.

OXFORD.—Bids will be received until noon, Jan. 3, for erection of women's dormitory at Ohio State Normal College, Miami University. W. L. Tobey, Secretary, Special Building Committee.

TOLEDO.—National Supply Co. will erect large addition to plant in Auburndale. Wm. Hardee, President.

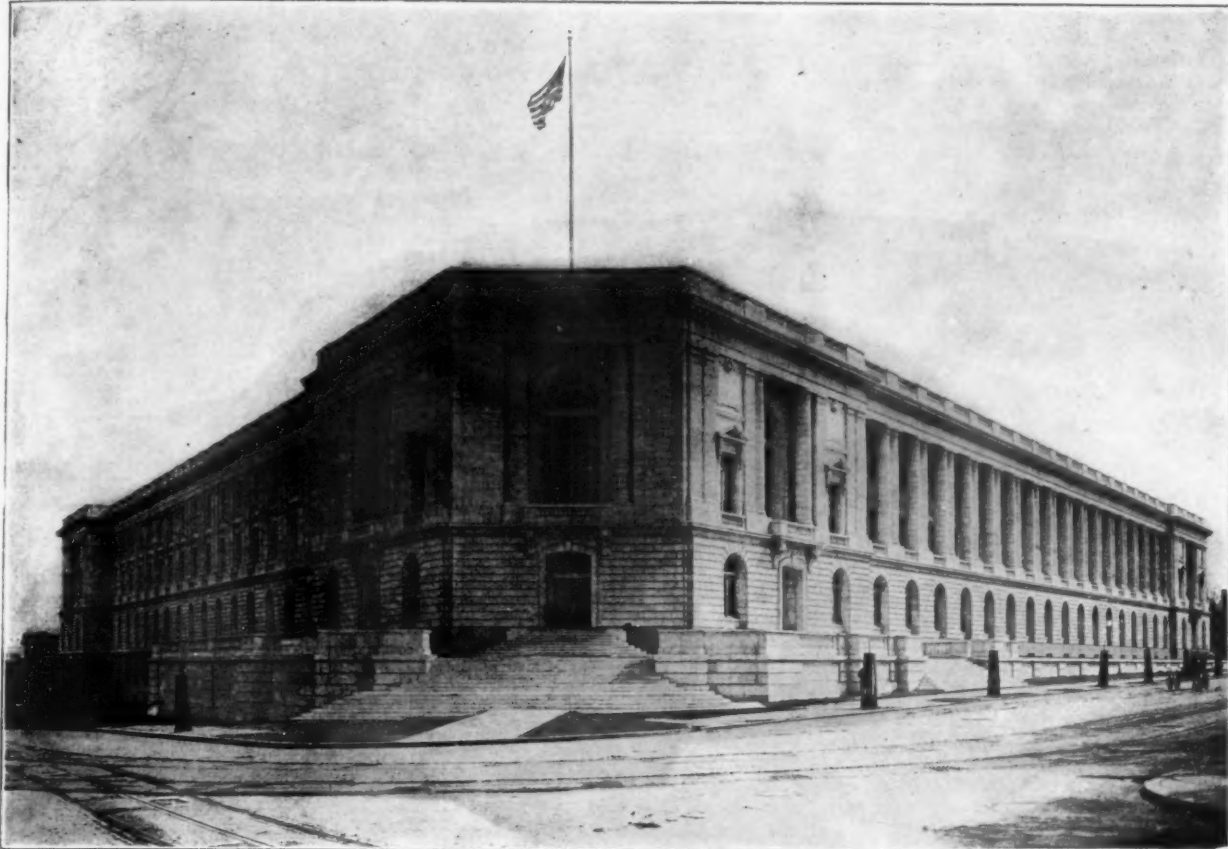
UPPER SANDUSKY.—Board of Education has decided to erect \$20,000 Carnegie library.

OKLAHOMA

TULSA.—Bids will be taken up, until Dec. 12, by Winkler & MacDonald, architects, instead of by County Commissioners, as noted in issue of Nov. 23, for erection of County Court House and jail building for County of Tulsa; bids shall include jail fixtures, furniture, etc.; approximate cost \$235,000.

Drawings are being prepared by Winkler & MacDonald, architects, for seven-story reinforced concrete, stone and terra-cotta bank and office building to be erected at corner of South Main and Fourth Sts. for I. F. Crow, Esq.; cost approximately \$75,000.

Drawings are being prepared by Curtin, Winkler & MacDonald, associate architects, for Catholic church, school and rectory to be built of reinforced concrete, stone and terra-cotta. Approximate cost \$225,000.



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OREGON

CORVALLIS.—Hathaway Bros. will at once erect concrete building on Second St. Address N. R. Adams.

PORTLAND.—Coin Machine Manufacturing Co. will erect plant at Grand Ave. and Hoyt St.

PORTLAND.—Architect Wenzel Fritsche, 1155 Belmont St., is preparing plans and specifications for three-story brick building to be erected on corner of E. Thirty-ninth and Belmont Sts. for A. D. Knutson to cost about \$18,000; also plans for two-story, \$6,000 frame store and flat building to be erected at E. Thirty-seventh and Belmont Sts. for Dr. W. P. Tillman.

PORTLAND.—Bids will be received until 5 p. m., Dec. 23, for erection of high school. Whitehouse & Foulhoux, 522 Lumbermen's Bldg., Architects. R. H. Thomas, School Clerk.

SPRINGFIELD.—Mrs. Mary Nurre, Eugene, will erect concrete business block on Main St. Plans prepared.

PENNSYLVANIA

BEAVER.—Daughters of American Revolution are considering erection of memorial hall on site of old Fort McIntosh. Mrs. E. Stone Robinson is interested.

HARRISBURG.—C. H. Lloyd, architect, has been selected by School Board to draw plans for \$35,000 eight-room school house at Eighteenth and Herr Sts. and for a \$35,000 annex to Melrose Bldg. in Thirteenth Ward.

HAZELTON.—Erection of \$100,000 high school is being urged.

PHILADELPHIA.—North Penn Bank will erect \$20,000 building at Twenty-ninth and Dauphin Sts.

Architect Charles E. Oelschlager, Harrison Bldg., is preparing plans for three-story Colonial style residence with a wing which Emanuel G. Kolb will erect at Gowen and Stenton Aves., Germantown.

Oak Lane Park Building Co. has had plans prepared by A. M. Adams, 1012 Walnut St., for three-story stone and brick Spanish style house, to be built on Medary Ave., below Eighth St., at cost of \$12,000, and is having plans prepared by A. M. Kolp for three-story stone Colonial house to be built at corner of Seventh St. and Sixty-fifth Ave., for J. M. Ward, at cost of \$10,000.

PHILADELPHIA.—City has acquired site for the proposed Home for the Indigents, at State Road and Holmesburg Ave., Tacony.

PHILADELPHIA.—Board of Education is planning erection of \$1,000,000 high school at 47th and Walnut Sts. Wm. T. Tilden, Chairman, Property Committee.

SCRANTON.—Architects Snyder & Ward have been selected to prepare plans for proposed mission chapel to be erected on N. Ninth Ave., in West Scranton, for Italian Presbyterian Mission.

Lackawanna Trust & Safe Deposit Co. is considering erection of addition to building at Wyoming and Lackawanna Aves.

SCRANTON.—St. John's German Catholic Congregation will erect edifice at South Main Ave. and Luzerne St., West Scranton.

RHODE ISLAND

CENTRAL FALLS.—City has \$15,000 available for erection of addition to Broad St. school building.

PROVIDENCE.—Grace Church will expend \$125,000 in improvements. Ralph Adams Cram, 15 Beacon St., Boston, Mass., Architect.

Edwin A. Smith is having plans prepared for erection of seven-story brick office building on Eddy St.

SOUTH DAKOTA

ABERDEEN.—German Baptists will erect proposed \$50,000 hospital in this city. Dr. C. A. Homan is interested.

GROTON.—Bids will be received until 6 p. m., Jan. 10, for erection of brick and stone bank and office building for First National Bank. Parkinson & Dockendorff, La Crosse, Wis., architects; W. B. Miller, cashier.

TENNESSEE

JOHNSON CITY.—John Sevier Chapter, Daughters of American Revolution, is planning to build pioneer house.

NASHVILLE.—Immanuel Baptist Church is considering plans for erection of \$50,000 edifice on West End Ave. Rev. Rufus W. Weaver, Pastor. A. B. Hill, Chairman Special Committee.

TEXAS

CENTER POINT.—Bids will be received until 8 p. m., Dec. 21, for erection of school. Alfred Giles, San Antonio, Architect. T. A. Buckner, Secretary, School Board.

DENISON.—School Board is considering erection of high school.

FORT WORTH.—High school building, Jennings Ave. and Jarvis St., has been destroyed by fire; loss \$100,000.

LONGVIEW.—Local Woodman Lodge is considering plans for erection of home. G. A. Bodenheimer is interested.

PECOS.—Citizens have voted \$30,000 bonds for erection of high school.

QUANAH.—Elks' Lodge is considering erection of \$20,000 home in near future.

SAN ANTONIO.—Bids will be received until noon, Jan. 9, for rebuilding and remodeling Bexar County jail. H. T. Phelps, Gunter Office Bldg., Architect.

TERRELL.—Preliminary plans have been received by Post Master F. L. Irwin for erection of federal building on N. Francis St.

TYLER.—First Baptist Church will erect \$50,000 edifice at N. Bois D'Arc Ave. and W. Ferguson St. Plans being considered.

VIRGINIA

NORFOLK.—School Board is considering erection of negro school in Berkley.

Norfolk Light Artillery Blues will secure site at Lynnhaven Inlet for proposed \$14,000 club house.

NORFOLK.—Fire Chief McLaughlin has recommended erection of \$20,000 engine house at 576 Bate St.

PORTSMOUTH.—South Norfolk Fire Co. will erect fire house on Twenty-second St.

RICHMOND.—Asbury Methodist Church will open bids about Jan. 1 for erection of \$40,000 edifice. Huggins & Bates, Roanoke, Architects. Rev. L. T. Williams, Pastor.

WASHINGTON

ABERDEEN.—Northern and Union Pacific Railroads will erect \$100,000 union station.

EVERETT.—Loyal Order of Moose is planning to erect lodge and club house at Oakes and Everett Aves. W. W. Hastings, Architect.

First Unitarian Church will erect edifice at Eighteenth St. and Colby Ave. Rev. O. E. Duerr is interested.

MARCUS.—School Board will consider erection of school.

PROSSER.—State Bank will erect \$22,000 bank building. Chas. Wood, Peyton Bldg., Spokane, architect.

SEATTLE.—McRae & Branigan, 320 E. Pike St., are considering erection of \$10,000 store building at Nineteenth Ave. North and Prospect St.

SEATTLE.—The Cyrus Walker Estate is considering erection of twelve-story store and office building on Third Ave. Howell & Stokes, White Bldg., architects.

SPOKANE.—Under supervision of Architect Carl Jabelonsky, 439 Peyton Bldg., work will begin in near future on construction of \$20,000 apartment house on Fourth Ave. for Dr. George G. Belden.

G. B. Dennis will erect \$450,000 apartment house at Fourth Ave. and Howard St.

WALLA WALLA.—Erection of \$50,000 brick armory for National Guard is being urged. Capt. P. H. Weyrauch, Co. K, Second Regiment, is interested.

WISCONSIN

IRON RIVER.—The Chicago and Northwestern Railroad will build new passenger depot in this city. Cost between \$25,000 and \$30,000.

MADISON.—President Van Hise, University of Wisconsin, will recommend erection of new union building with dormitories, a drill hall, two building for departments and wings for three other buildings.

Klettsch Bros., Milwaukee, owners of Park Hotel, will erect \$200,000 building on site of present hotel.

MILWAUKEE.—Standard Separator Co. will erect \$100,000 concrete construction factory in West Allis; power plant and office building will also be built.

MILWAUKEE.—Hansen Malting Co. will erect plant. C. E. Hansen, President. F. L. Bader, Architect.

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PROPOSALS

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. Copy received until 12 m. Monday.

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 26, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 7th day of January, 1911, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office at Waycross, Ga., in accordance with drawings and specification, copies of which may be had from the Custodian of site at Waycross, Ga., or at this office at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1824-25)

NOTICE TO CONTRACTORS.

Sealed proposals for the construction and plumbing of a Power House and Conduits for the New York State Capitol and Education Building at Albany, N. Y., will be received by the Trustees of Public Buildings in the Executive Chamber, the Capitol, Albany, N. Y., until 12 o'clock Noon, December 21st, 1910, when they will be opened and read publicly.

Proposals shall be accompanied by a certified check in the sum of five per cent. of the amount of the bid, and the contractor to whom the award is made will be required to furnish surety company bond in the sum of 50 per cent. of the amount of the contract, within 30 days after notice of award of contract, and in accordance with the terms of specification No. 1391. The right is reserved to reject any or all bids.

This work does not include power plant equipment, steam heating work or electric work.

Drawings and specifications may be consulted and blank form of proposal obtained at the office of the State Architect. Complete sets of plans and specifications will be furnished to prospective bidders upon applications sent before December 16th, 1910, to, and in the discretion of, the State Architect, Franklin B. Ware, Albany, N. Y. (1824-25)

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 30, 1910. Sealed proposals will be received at this office until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including masonry, carpentry, iron and steel, ornamental iron, roofing, painting, fire-proofing, plastering, etc., labor and materials complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications,

copies of which may be obtained at the office of the County Commissioners on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of bids on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications.

By direction of the County Commissioners.

CHAS. T. STRAUGHN,
County Controller.
(1824-25-26)

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 28th, 1910.

Sealed proposals will be received at this office, until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including increased water supply, sewage disposal plant, power plant, elevator, heating, ventilating, plumbing and electric wiring complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications, copies of which can be obtained at the office of the County Commissioners, on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of the bids, on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications.

By direction of the County Commissioners.

CHAS. T. STRAUGHN,
County Controller.
(1824-25-26)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 5, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 16th day of January, 1911, and then opened, for the extension, remodeling, etc. (including plumbing, gas piping, heating apparatus and electric conduits and wiring system), of the U. S. Post Office and Custom House at Bath, Maine, in accordance with drawings and specification, copies of which may be obtained from the Custodian at Bath, Me., or at this office, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1825-6)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 8, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 12th day of January, 1911, and then opened, for metal vault linings, doors, etc., in the extension to the U. S. Assay Office, New York, N. Y., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Superintendent at the building, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1825-26)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 1, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 3rd day of January, 1911, and then opened, for the installation of a conduit and electric wiring system in the United States Assay Office, New York, N. Y., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Superintendent of Construction, New York, N. Y., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1825-26)

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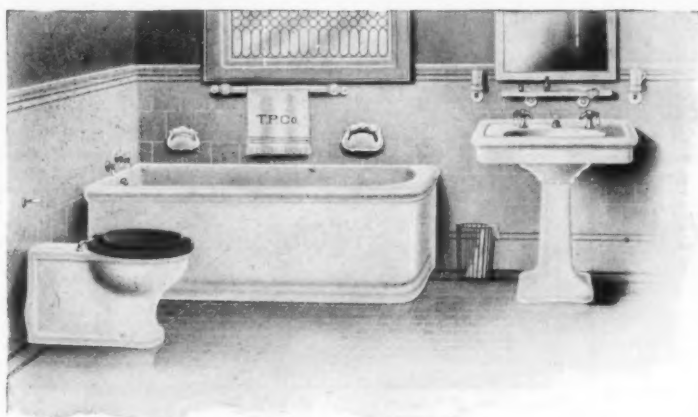
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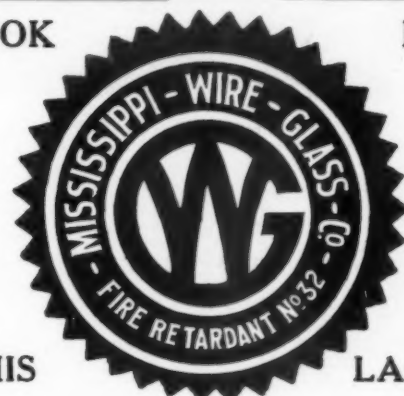
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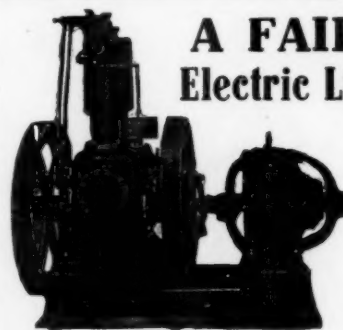
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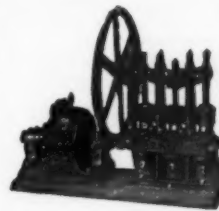
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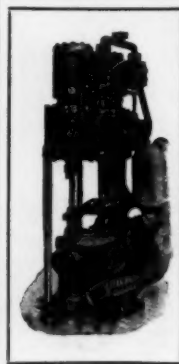
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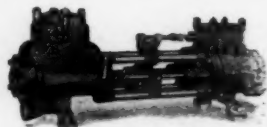
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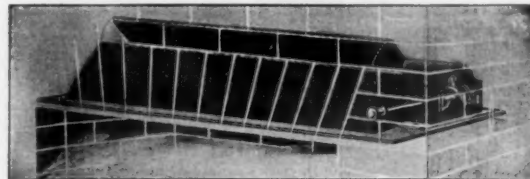
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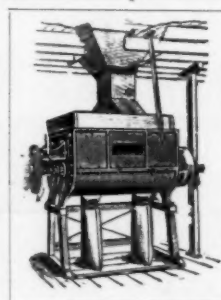
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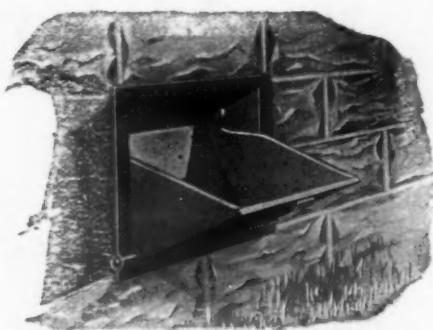


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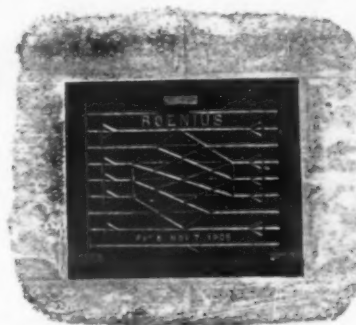
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Figure No. 198



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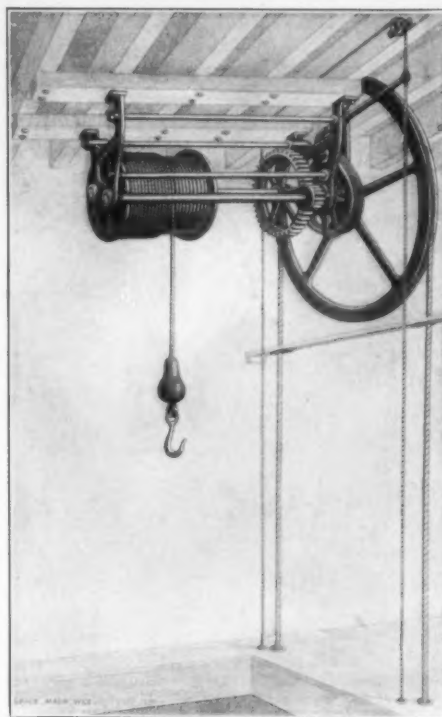
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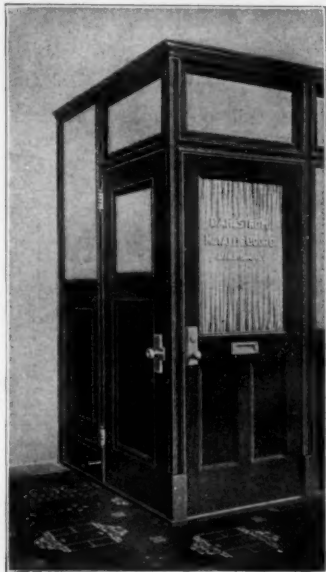
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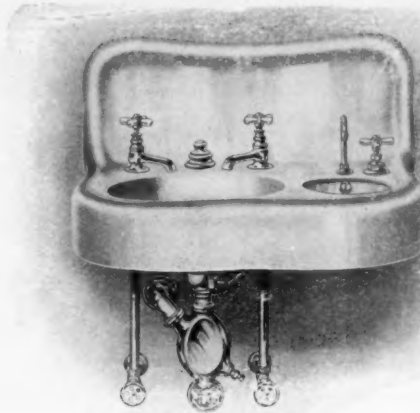


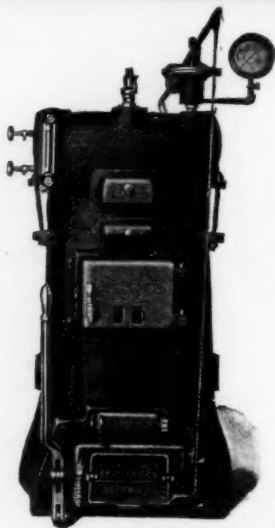
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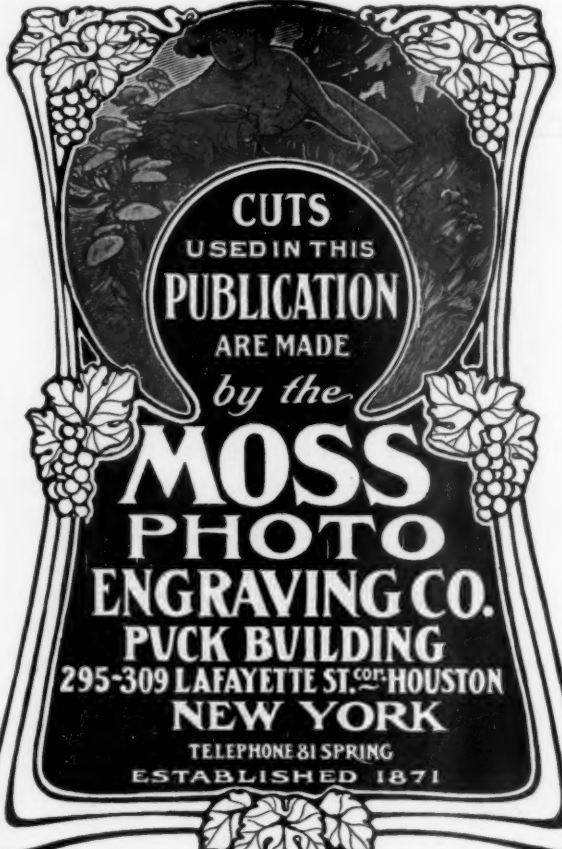
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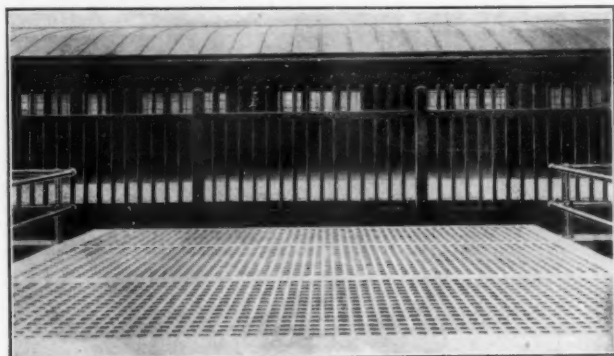
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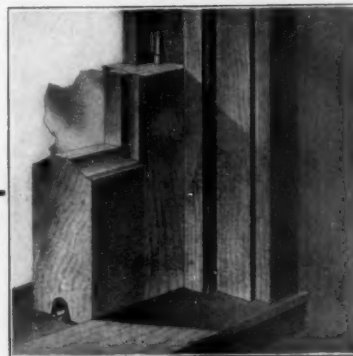
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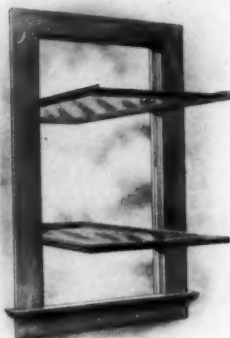
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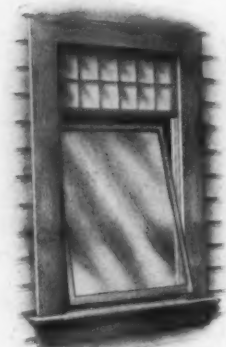
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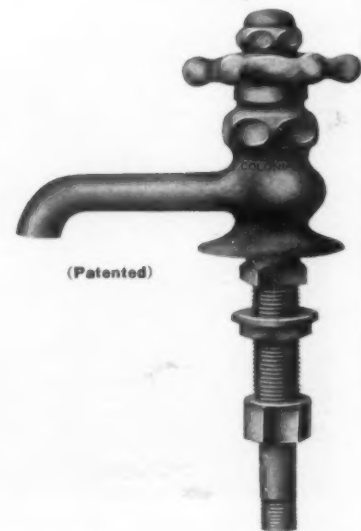
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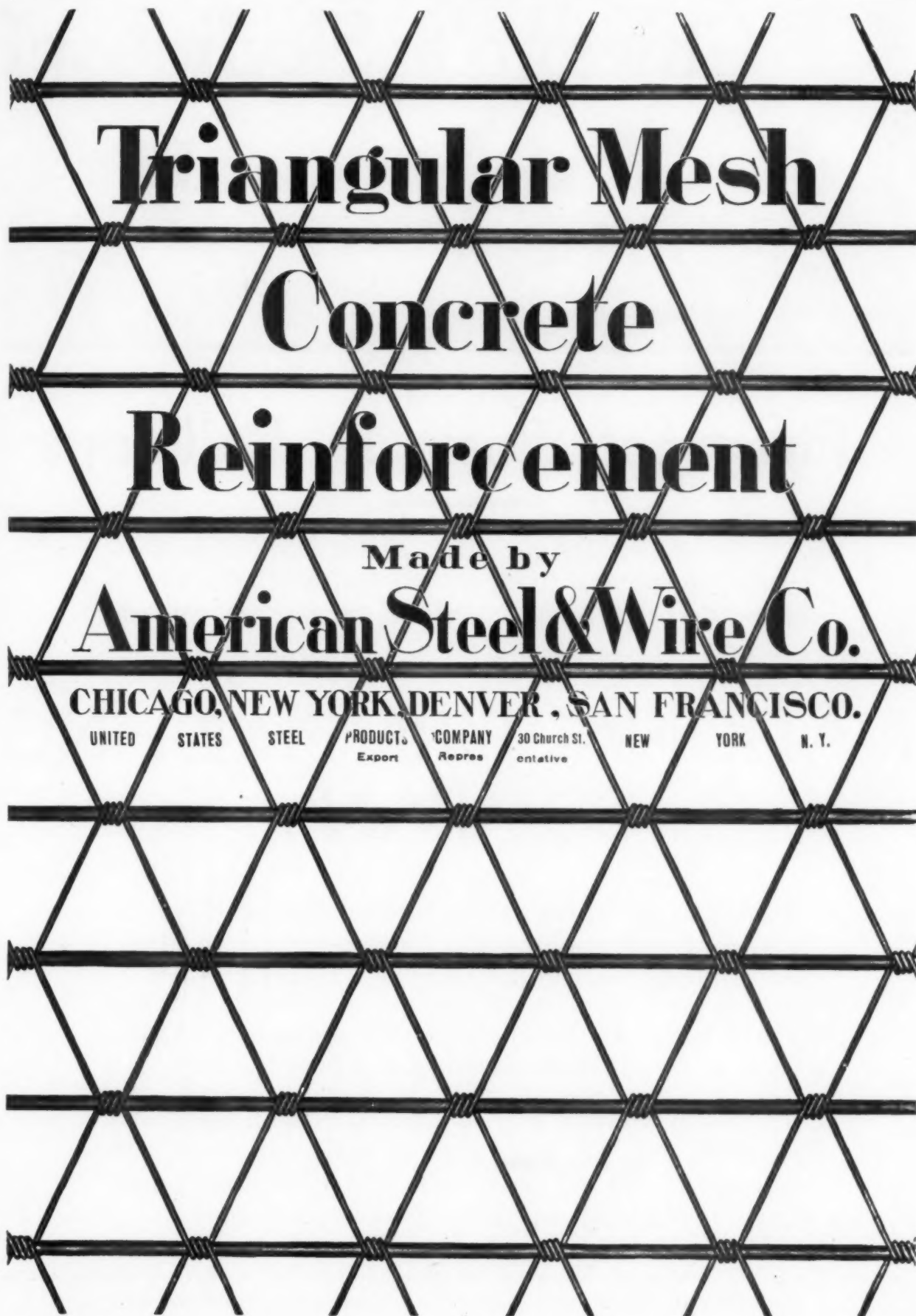
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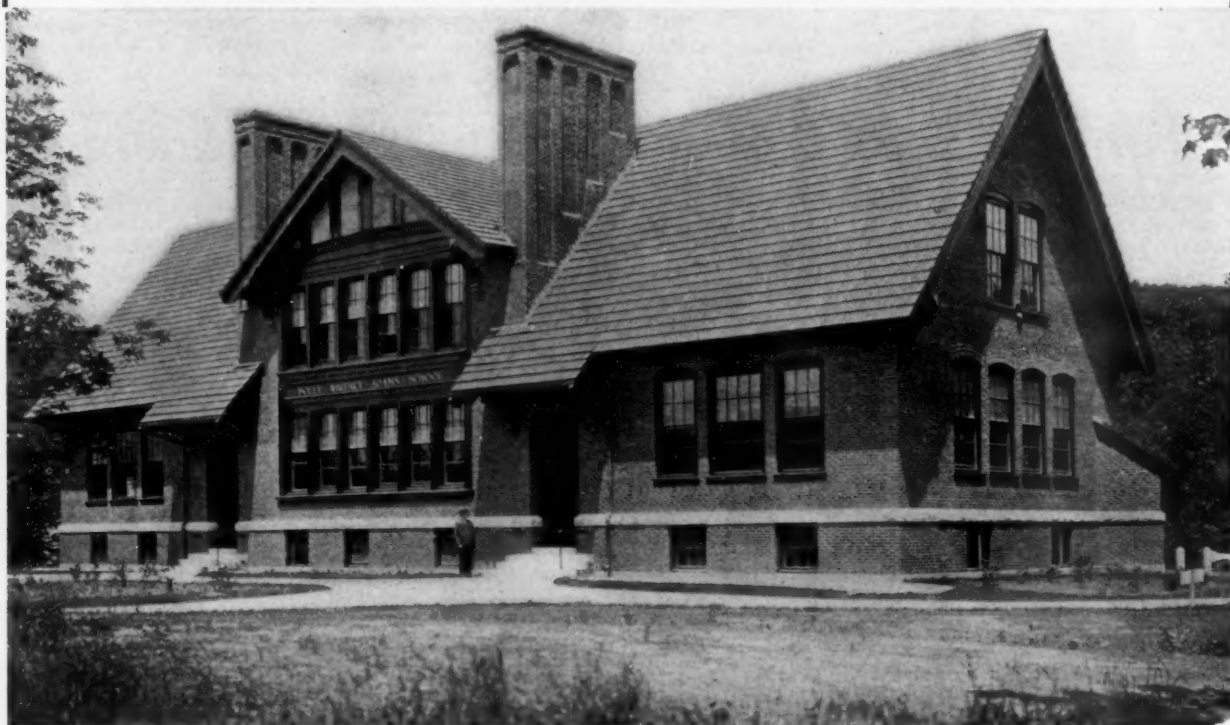
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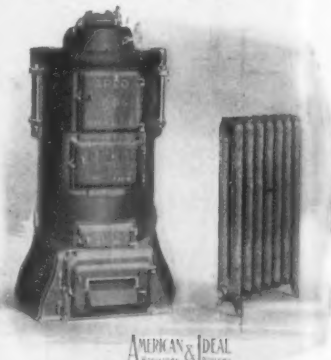


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CURRENT NEWS *and* COMMENT

NEWS OF THE CHAPTERS AND SOCIETIES

UTAH CHAPTER MEETS AT SALT LAKE

The monthly meeting of Utah Chapter, A. I. A., was held at Salt Lake on December 6. Mr. W. B. Ittner, F. A. I. A., of St. Louis, was a guest of the Chapter and addressed the meeting.

TACOMA, WASH., ARCHITECTURAL CLUB

The annual meeting of the Tacoma Architectural Club was held on December 7. The following officers for the ensuing year were elected: President, Arthur P. Merrill; vice-president, George Gove; treasurer, Ernest Mock; secretary, Herbert Bell. New quarters, with largely increased space, have been obtained, and it is proposed to inaugurate a course of lectures on architectural subjects, which will be open to the public.

WINTER MEETING OF SOUTHERN PENNSYLVANIA CHAPTER, A. I. A.

The Southern Pennsylvania Chapter of the American Institute of Architects held its winter meeting at York, Pa., on December 8. A committee on municipal improvements was instructed to confer with the proper persons in an effort to have the rich Colonial history of York emphasized in the selection of statuary for the new Federal building, now under course of erection at South George and Princess streets.

Delegates were chosen to represent the Chapter at the annual convention of the Institute, as follows: C. E. Urban, J. A. Dempwolf and B. F. Willis.

John Hall Rankin, of Philadelphia, president of the Chapter, acted as chairman.

MINUTES OF NOVEMBER MEETING OF THE RHODE ISLAND CHAPTER, A.I.A.

The November meeting of the Rhode Island Chapter was held at the University Club November 15.

President Hoppin occupied the chair. The records of the last meeting were read and approved.

The Secretary made report of the Committee on Admissions recommending Mr. Sibley C. Smith, of Providence, landscape architect, for election as a non-professional member and Mr. John Du Fais, of the New York Chapter, as a professional member. Both were unanimously elected by ballot.

The Secretary read Mr. Barker's report as the Committee on Publication in connection with the Stone Memorial.

He said that a copy of the following letter, with an explanatory account of the Chapter's proceedings, had been sent to the *Providence Journal* and that a photograph of the memorial had also been given to that paper.

DIRECTORS OF SWAN POINT CEMETERY:

GENTLEMEN—In behalf of the Rhode Island Chapter of the American Institute of Architects, we hereby turn over to you the memorial which the Chapter has erected in the cemetery grounds to Alfred Stone, and in so doing we wish to express our appreciation of your courtesy in donating the land on which it is located and offering to place the memorial under perpetual care—an offer which we most gratefully accept.

The treasurer, Mr. Hindle, presented his report.

Mr. Cady for the Committee on the Chapter Room reported that such a room was inadvisable at present.

The secretary read letters from various Chapters in response to the circular letter sent to them.

The secretary reported for the Executive Committee recommending:

1st. That the Chapter send a delegate to the Institute convention.

2d. That the Chapter introduce in the convention a resolution that the mandatory clauses in the Competition Code be made advisory.

It was voted that the president and one member to be appointed by him be the delegates to the convention.

The secretary read a letter from Mr. Glenn Brown asking for \$30 toward convention expenses.

It was voted that the \$30 be appropriated.

A sketch competition limited to forty minutes was then proceeded with, the problem being the location of a country house on an imaginary plat.

First mention was awarded to Mr. Elliott, the second to Mr. Homer.

NOVEMBER MEETING, SAN FRANCISCO CHAPTER, A. I. A.

An adjourned meeting of the San Francisco Chapter of the American Institute of Architects was held on Thursday, November 17. The meeting was called to order by the president.

Mr. James Reid, for the Committee on Reception and Entertainment of the Institute and convention, reported that the committee had been in communication with the Eastern officials and were busily engaged in outlining a program for the entertainment of our guests.

Mr. B. J. Joseph, for the Legislative Committee, reported that his committee were awaiting a final draft of the proposed law to be submitted at the coming session of the Legislature, and, before the same was submitted to the Chapter, would ask that his committee be instructed as to the sentiment of the Chapter as to the proposed clause making it mandatory that all buildings costing over a certain sum be given out to competition. After a lengthy discussion it was duly moved and carried that a special meeting of the Chapter be called after ten days and within two weeks to consider this matter, due notice of time and place of meeting to be sent to the members by the secretary.

The secretary advised the Chapter of having received copies of the formal incorporation papers of the Chapter; also a letter from the Secretary of State, stating that the corporate existence of the Chapter had until 1935 to run; and also stated that the proof of the revised constitution and by-laws were ready for distribution. The secretary was instructed to furnish each member with a copy and notify them that the same will be up for discussion before the December meeting of the Chapter previous to balloting.

Mr. August Headman, for the Committee on Architectural League and Education, reported that it was the desire of his committee to institute a competition among the students of the Architectural League for a suitable design of a new chapter seal. On motion duly made and seconded, the sum of \$25 was voted to

be placed at the disposal of the committee for the purpose of a prize for the design.

Messrs. Seadler and Hoen were declared duly elected Chapter members.

Communications from the following were received and placed on file:

From Glenn Brown, requesting a contribution per capita for each delegate to the convention, and also advising the Chapter that the delegation would consist of six members.

From the Secretary of State, advising the Chapter of its corporate existence.

From the Rhode Island Chapter, a communication regarding the competition code of the Institute.

In regard to the per capita contribution toward the expenses of the Institute convention, it was voted that the sum of \$60 be expended for this purpose.

On motion, duly made and carried, the matter contained in the communication from the Rhode Island Chapter was referred to a committee of three, to be appointed by the chair, to consider the same and report back to the Chapter.

Resignation of Mr. Nathaniel Blaisdell was accepted with regret.

The next order of business being the election of delegates to the forthcoming convention of the A. I. A., on motion of Mr. Curlett, duly seconded, the president, vice-president and secretary of the Chapter were placed in nomination. On motion duly made, seconded and carried, a ballot was cast for the three above-named officials and they were declared duly elected as delegates to the convention. On motion duly made and seconded, it was resolved that all other Institute members of the Chapter, other than those already elected, be placed in nomination as delegates to the convention and that they be balloted for by each member casting a ballot with three names thereon, and that the three receiving the highest number of votes be declared the duly elected delegates to the convention. On the first ballot Messrs. Reid and Curlett received the highest number of votes and Messrs. Mullgardt and Schulze were tied. Another ballot resulted in the election of Mr. Mullgardt. The following members were then declared the duly elected delegates to the convention:

William Mooser, G. B. McDougall, Sylvain Schnaitacher, James W. Reid, William Curlett, L. C. Mullgardt.

The Winter Exhibition of the National Academy of Design

The general impression conveyed to the critical visitor to the galleries in the Fine-Arts building in this city, where the winter exhibition of the National Academy was opened on December 9, is one of disappointment.

Taking the collection of pictures as a whole it does not appear to indicate the advancement in the art of the easel picture that those in close touch with the current work of the painter know is taking place.

It has been stated that this is the result of the practice of "exemptions" that make it possible for so large a number of pictures to be hung without passing the critical judgment of the jury.

The work of members of the National Sculpture Society is grouped in the south gallery. Among the art societies in this country probably none have been more energetic in presenting dignified collections of work than the sculptors.

The exhibition at Baltimore three years ago called forth universal approval of the sculptor's work in

America. This was further shown in the exhibition in this city two years ago.

Complying with a demand that spontaneously came from the principal cities in this country, the Sculpture Society collected and set on its travels a series of small bronzes. The success of these exhibitions has been complete and shows a growing appreciation on the part of the art-loving public of the decorative possibilities of the small sculptured figure.

In the present exhibition the work shows evidences of the rare good judgment of the jury, and the visitor to the south gallery will, we are sure, bring away with him none but the most respectful remembrance of the work of the sculptors of the present day.

It presents every phase of expression in a way equally satisfactory as do the canvases. We find the stately legend or the humorous point of view as insistently told and, perhaps, in many cases with more artistic truthfulness.

The Cement Show

The invasion of New York City by the three most influential factors in promoting the use of cement in this country—to quote a writer in *Cement Age*—is now complete.

The Cement Show came, was seen and has conquered. Opening on December 14 and continuing until the 20th, it afforded a most unusual opportunity to demonstrate the rapid advancement of a great industry and the many and widely varied applications of this most important construction material.

Conceived mainly along educational lines, it fully accomplished its objects. The exhibition was largely attended and well managed to a most successful close.

Building in November

Building operations in the United States during November continued active, the figures for the month showing a moderate increase over the corresponding period of last year.

According to figures furnished by *The American Contractor*, only 14 per cent. of the total building in November was for absolutely fireproof construction. While this total appears small, it shows a marked increase over 1909, when but 3 per cent. of the total expenditure was for strictly fireproof buildings.

PERSONAL

Francis E. Waterman, architect, Hartford, Conn., announces that he has moved his offices to the Connecticut Mutual Building, 36 Pearl street, Hartford.

We learn from press clippings that Mr. Henry Hornbostel, of New York, addressed the Art Society of Pittsburgh at a recent meeting, on the Ancient Architecture of Yucatan.

Press dispatches state that Alfred I. Coffey has been appointed city architect of San Francisco, Cal. Mr. Coffey is a native of San Francisco and at the time of his appointment was a member of the architectural firm of Martens & Coffey.

The dissolution of the partnership of Warren & Welton, architects, Birmingham, Ala., has already been announced in these columns. Mr. Wm. L. Welton now advises us that he will continue to practice in the Empire Building, Birmingham. He desires to receive manufacturers' samples and catalogues.



RESIDENCE OF THE LATE A. J. CASSATT, BAR HARBOR.
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Cabot's Shingle Stains

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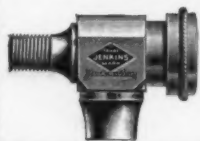
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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

ANDALUSIA.—Grand Jury has recommended erection of jail.

ENSLEY.—Ensley Land Co. contemplates extensive improvements in the Fifteenth Addition at entrance to Corey, Architect Wm. Leslie Welton, 1209-10-11 Empire Bldg., Birmingham, in charge. It is expected that about forty houses, costing from \$1,000 to \$5,000 will be built at once.

GADSDEN.—Plans are being prepared for enlargement of present federal building.

GREENVILLE.—Plans are being prepared for erection of \$25,000 jail. H. D. Lampley, Judge of Probate Court.

MONTGOMERY.—Erection of Y. M. C. A. building on South McDonough St. is being considered.

Alabama Grand Lodge of Masons has appropriated \$50,000 for erection of two wings to main building of proposed Widows' and Orphans' Home now under construction.

ODENVILLE.—Dr. C. C. Brown is urging erection of proposed tuberculosis sanitarium on Blackstone Mountain.

CALIFORNIA

ALAMEDA.—D. L. Randolph, President Board of Education, has recommended erection of \$200,000 high school on Alameda St.

BERKELEY.—Board of Education is considering comprehensive plan for improvement of schools, including erection of wing at Washington School.

LONG BEACH.—Plans have been prepared by Architect W. Horace Austin, National Bank Bldg., Los Angeles, for erection of proposed \$40,000 apartment house at Ocean and Elm Aves. for T. G. Harriman.

LOS ANGELES.—Police Commission has decided to order plans prepared for building of police substation on Boyle Heights. As soon as the plans are ready the Board of Public Works will ask for bids and work will begin.

OAKLAND.—Bids will be received until 11 a. m., Dec. 28, for erection of fire house on Ninety-third Ave. Jas. W. Nelson, Secretary, Board of Public Works.

PLACERVILLE.—County Supervisors have decided to erect proposed court house on old site.

SAN DIEGO.—Citizens have voted \$200,000 bonds to erect proposed polytechnic high school.

SAN FRANCISCO.—E. B. Cantrell Estate will erect \$20,000 apartment house on Clay St. Henry C. Smith, 3840 Sacramento St., Architects.

SAN FRANCISCO.—Plans are in preparation by Herman Barth, Architect, 12 Geary St., for \$50,000 building at Sutter and Hyde Sts. for Dr. Martin Krotoszyner.

STOCKTON.—Citizens will vote Jan. 24 on \$100,000 bonds for improvements to fire department, including erection of two engine houses.

VALLEJO.—Board of Supervisors has decided to purchase site for combined branch county jail and city hall.

VENICE.—School Board will consider erection of high school. B. C. Hanna, Trustee.

WHITTIER.—Ye Planry Co., Los Angeles, has prepared plans for erection of \$6,500 residence for Geo. Wanberg.

COLORADO

DENVER.—Plans have been prepared by F. L. Bierney, 309 Ideal Bldg., for erection of three-story, \$50,000 hotel at Broadway and Nineteenth St.

MONTROSE.—Architects MacLaren & Thomas, Bank Bldg., Colorado Springs, will prepare plans for erection of \$30,000 Masonic temple.

CONNECTICUT

BRIDGEPORT.—Architect F. A. Cooper, 1217 Main St., is completing plans for four-story building at corner of Stratford and Hough Aves. for Adolph Sherman.

The Fletcher Engineering Co. has been selected to draw plans for plant of the Baird Machine Co. which is to be built on Stratford Ave.; buildings to be erected include office build-

ing, main factory, power house, pattern shop, storage building, forge shop and foundry. Charles E. Warner, Oakville, has matter in charge.

DERBY.—School Board is considering erection of school.

HARTFORD.—Citizens will vote in April on erection of \$25,000 public comfort station.

NEW BRITAIN.—Plans for five-story block to be erected by F. H. Alford are being drawn by a Hartford architect; work will be started early this spring.

NEW HAVEN.—New Haven Yacht Club has had tentative plans prepared by Architect Chas. E. Joy, 902 Chapel St., for erection of \$10,000 club house.

NEW HAVEN.—Walter S. Garde, Hotel Garde, is interested in proposed erection of \$750,000 hotel on present site.

NEW HAVEN.—Plans for new union railroad station on Meadow St. have been adopted by Directors of the New Haven Road. Cost \$2,000,000.

POMFRET.—Pomfret school has \$50,000 available for erection of gymnasium.

SHELTON.—C. T. Beardsley, Bridgeport, has been engaged by School Commission to prepare plans for two schools, one to be erected in the Centre and the other in the South End; total cost about \$48,000.

TERRYVILLE.—Citizens have voted \$26,000 bonds to erect addition to school on Prospect St. E. L. Pond, Chairman School Committee.

DISTRICT OF COLUMBIA

WASHINGTON.—Commercial Hotel Co. will erect \$175,000, ten-story hotel at Eighth and E. Sts. N. W. Frank G. Pierson, 1355 Oak St. N. W., Architect.

Miss Laura V. French will erect \$8,600 dwelling at 3714 McKinley St., Chevy Chase. Walter C. Brashears, Architect.

John L. Knapp will erect two frame dwellings at 3019 Twenty-second St. N. W. Cost \$5,000. C. M. Chaney, Architect.

FLORIDA

DAYTONA.—Local Elks have purchased site and will at once erect proposed home.

GREENVILLE.—Baptist congregation is considering erection of edifice.

JACKSONVILLE.—John A. Futch is considering erection of large residence on Riverside Ave.

PENSACOLA.—J. H. Kholer and N. G. Daniels will erect residences at North Hill Highlands.

TAMPA.—J. L. Tallevast, owner and manager of Hillsboro Hotel, with his associates, R. S. Hall, of Ocala, and L. B. Skinner, of Dunedin, have completed plans for erection of seven-story \$450,000 hotel on Florida Ave. Plans by Architect F. M. Curtis.

GEORGIA

MILLEDGEVILLE.—J. R. MacEachron, 75 W. Peachtree St., Atlanta, has been commissioned to prepare plans for proposed \$60,000 science building, to be erected at Georgia Normal and Industrial College. M. M. Parks, President.

ILLINOIS

CHICAGO.—City has secured site at North Winchester and Lawrence Aves. for erection of proposed addition to McPherson School; purchase of site at W. Twenty-fourth St. and Marshall Boulevard for elementary building is being considered.

Catholic Congregation, Sheridan Road and Edgecomb Place, will erect \$100,000 church, to be known as St. Mary's of the Lake, on Sheridan Road.

CHICAGO.—Plans have been accepted by Board of Education for construction of proposed Hyde Park high school at Sixty-second St. and Jackson Park Ave.; cost \$600,000.

DECATUR.—Riverside Baptist Church is planning to erect \$15,000 edifice. Rev. J. M. Lively, Pastor.

SPRINGFIELD.—Chicago Association of Commerce will erect \$25,000 Chicago building on the State Fair grounds. Francis T. Simmons, President.

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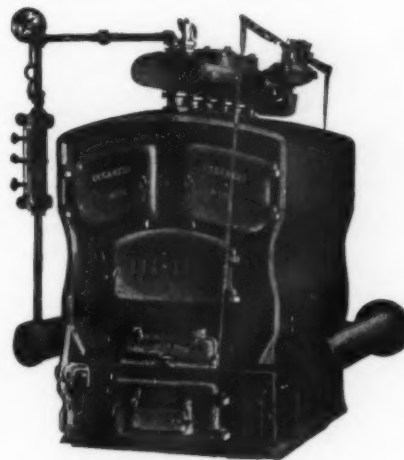
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INDIANA

EVANSVILLE.—Fendrich Cigar Co., John Fendrich, President, is considering erection of large factory in spring.

Architect F. J. Schlotter, Dickman Bldg., has prepared plans for erection of building on Division St. for Liederkrantz Society.

EVANSVILLE.—Drs. Edwin Walker and J. Y. Wellborn are planning erection of addition to Walker's sanitarium on Upper Fourth St.

FORT WAYNE.—Perfection Biscuit Co. is planning to erect large addition to plant on Pearl St.

INDIANAPOLIS.—Free Methodists, E. Tenth St., will erect church at Twelfth and Tecumseh Sts. in Spring. Plans prepared. Rev. Jos. B. Lutz, Pastor.

Dr. R. C. Light is interested in proposed erection of \$200,000 hotel near Broad Ripple Park. S. H. Brubaker, Aetna Bldg., Architect.

IOWA

BROOKLYN.—City hall will be erected at cost of \$8,000.

BURLINGTON.—Bids will be received until Jan. 15 for construction of four-story, \$55,000, semi-fireproof Y. M. C. A. building of brick and cement. W. H. Debenham, Secretary.

ANAMOSA.—County has sold \$30,000 bonds for erection of county home.

OTTUMWA.—Bids will be received until 1 p. m. Jan. 16, extension of time, for erection of brick academy building and boiler house for Sisters of Humility of St. Joseph's Academy. John O'Connor, Youngman Bldg., Des Moines, Architect.

KANSAS

TOPEKA.—H. P. Dillon, 919 Harrison St., will erect residence at Ninth and Harrison Sts.

TOPEKA.—First Methodist Church will erect \$30,000 Sunday school addition. Plans being prepared.

WICHITA.—Atchison, Topeka & Santa Fe Railroad has announced that, beginning next Spring, it would spend one and one-half million dollars in terminal improvements, including erection of large depot.

KENTUCKY

LEXINGTON.—Board of Directors of Pythian Home is considering erection of girls' dormitory.

Louisville & Nashville Railroad will expend \$200,000 in improvements including erection of car shops.

Christ Church has decided to erect parish house in Spring.

LOUISVILLE.—St. James' Church, Edenside, is considering erection of \$20,000 edifice in spring.

Third Avenue Baptist Church is planning to erect \$25,000 edifice. Rev. S. J. Cannon, Pastor.

LOUISIANA

LAKE CHARLES.—Louisiana Camp, No. 1, Woodmen of the World, is considering erection of \$30,000 home.

Bids will be received until 10 a. m. Jan. 16 for the erection and entire completion of two-story and basement, fireproof court house for the Parish of Calcasieu. Favrot & Livaudais, Ltd., 839 Gravier St., New Orleans, Architects.

LEESVILLE.—School Board has accepted plans by Stevens & Nelson Co., New Orleans, for erection of \$35,000 school.

SHREVEPORT.—Capt. Peter Youree, Commercial National Bank, is considering erection of \$300,000 hotel.

VERNON.—L. L. Thurmon & Co., Dallas, Tex., will prepare plans for erection of \$50,000 court house and \$10,000 jail.

MARYLAND

BALTIMORE.—Bids will be received until Jan. 10 by Architect Otto G. Simonson, American Bldg., for construction of three-story and basement \$150,000 theater building to be known as Empire Theater. George W. Rife, President.

Architect Geo. C. Haskell, 301 N. Charles St., has completed plans for erection of \$20,000 dwelling at Catonsville for G. B. Summerville.

Architect Walter M. Gieske, Equitable Bldg., is preparing plans for erection of large colonial residence at Catonsville for Ten Hills Corporation.

L. Di Stefano is having plans made by J. F. Gerwig, 210 E. Lexington St., for seven two-story brick dwellings to be erected on Park Heights Ave.; cost, about \$16,000.

Charles A. Hughes is having plans made by John R. Forsythe, 232 St. Paul St., for eight two-story brick dwellings to be erected on Woodlawn Ave.

BALTIMORE.—Trustees of West Baltimore Station Methodist Episcopal Church are discussing plans for new church to be erected in their section of city; cost about \$60,000. Rev. John H. Howard, Pastor.

BALTIMORE.—City Banking Co. will at once erect \$12,000 building at 318 North Gay St. John Freund, Architect.

BALTIMORE.—The Charles H. Steiner Co. has accepted plans by Francis E. Torrey, Wilson Bldg., Architect, for mantel factory to be erected at Monument and Eleventh Sts., Orangeville; cost, about \$12,000.

CROWNSVILLE.—William L. Marburg, of Board of Managers of State Hospital for Colored Insane, has purchased site for erection of proposed building.

MASSACHUSETTS

BEVERLY.—Citizens have raised \$10,000 for erection of new hospital.

LAWRENCE.—School Committee is urging erection in near future of large grammar school.

PITTSFIELD.—Local Masons have decided to erect \$50,000 temple on Union St.

MICHIGAN

DETROIT.—Bids have been rejected for proposed St. Hedwig's Church to be erected on Junction Ave. New bids will be asked.

KALAMAZOO.—F. D. Van Valkenburg, Architect, is preparing plans and specifications for George H. Hanselman, which will be used in improvement of property at corner of Main and Burdick Sts.; old City National Bank Block will be remodeled.

KALAMAZOO.—Erection of extra cottages at Lake Farm Home for Boys is being considered. Jos. Riddle, Superintendent.

LANSING.—State Association of Superintendents of the Poor has recommended appropriation for enlargement of Lapeer Home for Feeble-Minded.

MUSKEGON.—Plans have been received by Board of Education for \$15,000 addition to Hackley Public Library.

MINNESOTA

MINNEAPOLIS.—Minneapolis Society of Fine Arts is planning erection of \$200,000 Fine Arts Museum.

ST. PAUL.—Fire Board will ask permission to erect fire station in St. Anthony Park.

ST. PAUL.—Plattdeutscher Unterstuetzung Verein, Vasa Hall, is considering erection of club house. Bernhard Garstens, President.

J. F. Ferguson, J. C. Andrews and E. S. Coffin, lessees of Brunswick Hotel, Hennepin Ave. and Fourth St., will at once rebuild structure destroyed by fire.

MISSOURI

CHARLESTON.—Bank of Charleston will erect \$40,000 office and bank building. Matthews & Clarke, Missouri Trust Bldg., St. Louis, Architects.

KANSAS CITY.—Church of Our Lady of Good Counsel, Washington St. and Shafer Ave., will erect \$30,000 school.

ST. LOUIS.—Methodist Church will erect \$20,000 edifice. W. A. Cann, Missouri Trust Bldg., Architect.

MONTANA

BOZEMAN.—President Hamilton has recommended erection of \$80,000 engineering building.

NEBRASKA

BROKEN BOW.—Citizens will vote Jan. 9 on \$60,000 bonds to erect court house.

HASTINGS.—First Presbyterian Church is planning to erect \$30,000 edifice.

OMAHA.—Charles Gruenig will erect building on Harney St. at early date.

NEW JERSEY

ATLANTIC CITY.—Walter T. Reed and others comprising the City Center Land Company have announced plans for erection of business block on Atlantic Ave.

CALDWELL.—Citizens will vote Jan. 24 on \$50,000 bonds to purchase site and erect school house.

ELIZABETH.—Board of Freeholders has decided to purchase site near Fanwood for erection of County Tuberculosis Hospital.

JERSEY CITY.—Lewis Max, 52 Greene St., is receiving estimates for piano factory to be built at Johnson Ave. and Halli-

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day St. from plans by Architect William H. Bogart, 712 Bergen Ave.

Plans have been completed by Architect William H. Bogart, 712 Bergen Ave., for erection of five store and apartment houses, cost \$40,000, on corner of Ocean and Myrtle Aves., by the Jackson Construction Co., 738 West Side Ave.

KEARNY.—Plans for erection of rectory on Kearny Ave. for St. Cecilia's Catholic Church are being prepared. Rev. Thomas A. Conroy, Pastor.

MAY'S LANDING.—George I. Lovatt, 418 Walnut St., Philadelphia, is planning three-story brick rectory for St. Vincent de Paul's Roman Catholic Church.

PERTH AMBOY.—Board of Education has purchased site at Spruce and Lawrence Sts. for erection of school.

NEW YORK

BALDWINVILLE.—Architect W. W. Ward, Moyer Farm, Syracuse, will at once let contract for erection of proposed Odd Fellows Temple on Oswego St.

BROOKLYN.—Sites on Oakley Ave., Woodhaven, and Halsey St. have been secured for erection of engine houses. Address Fire Commissioner Waldo.

BUFFALO.—Board of Supervisors has decided to erect proposed almshouse near Alden.

BUFFALO.—Lafayette General Hospital Association, Dr. H. C. Rooth, President, will remodel and improve building at 113 Lafayette Ave.

FONDA.—Montgomery County Board of Supervisors has decided in favor of establishment of tuberculosis hospital.

HAVERSTRAW.—Methodist Episcopal Church is considering erection of chapel on West St.

HORNELL.—Citizens will vote Dec. 29 on \$32,000 bonds to erect firehouse on Broad St.

LOCKPORT.—Bids will be received by Architects Brickell & Lamphear, D. S. Morgan Bldg., Buffalo, until Feb. 1, for constructing four-story \$40,000 fireproof store building for Jens Bros.

NEW YORK.—Paterno Bros., 445 Riverside Drive., will erect twelve-story brick apartment house, cost \$375,000, at Broadway and 115th St. G. Ajello, 1 W. Thirty-fourth St., Architect.

L. M. Starr, Madison Square and Twenty-fifth St., will erect six-story \$50,000 brick dwelling on Seventieth St. E. Swartout, 244 Fifth Ave., Architect.

Charles Lembach, 2260 Crotona Ave., will erect three-story \$20,000 brick hotel at Crotona Ave. and 183d St. Robert E. La Valle, Southern Boulevard and Freeman St., Architect.

NEW YORK.—Architect J. Wooley, 100 Fifth Ave., has filed plans for erection of eight-story, \$130,000 loft building on Eighty-third St. for 416 W. Thirty-third St. Co., of 160 Broadway.

Architect Benjamin W. Levitan, 20 W. 31st St., has prepared plans for erection of apartment house on Amsterdam Ave. for Gingold Realty Co.

Princeton Construction Co., Isaac Polstein, President, 220 Broadway, will erect ten-story apartment house on Madison Ave. near Eighty-second St.

NEW YORK.—G. Di Pinna, 206 E. 108th St., will erect four-story \$20,000 flat on 213th St. Moore & Landsiedel, 148th St. and Third Ave., Architects.

Syndicate with Geo. H. Barrett as president is planning to erect thirteen-story co-operative apartment house at Central Park West and Sixty-second St. Cost, \$1,000,000; general contract let to Wells Bros. Co., 160 Fifth Ave. Chas. W. Buckman, 307 Fifth Ave., Architect.

Edw. W. Browning will erect twenty-two-story building at 141 W. Thirty-sixth St. Plans prepared by Buckman & Fox, 11 E. Fifty-ninth St., Architects.

Davis Construction Co. will soon begin work on erection of apartment house at 235 W. Seventy-fourth St. Foundations finished. Rouse & Goldstone, Architects.

NEW YORK.—Plans have been filed with Building Superintendent Miller for erection of a five-story fireproof headquarters and stable for Traffic Squads B and C on Thirtieth St.; cost, \$100,000. Robinson & Knust, 164 Fifth Ave., Architects.

John L. Murray will expend \$100,000 in improving Albany Apartment House, after plans by Architect Henry M. Erkins, 1455 Broadway, Architect.

OLEAN.—State Prison Commissioner F. E. Wade, Albany, has recommended erection of new police headquarters.

OSWEGO.—Board of Education has accepted plans of erection of proposed school in Second Ward.

SALAMANCA.—State Prison Commissioner F. E. Wade, Albany, has recommended erection of jail.

SCHENECTADY.—Board of Education will ask for \$30,000 appropriation for erection of addition to two schools.

Union College Gymnasium Committee has decided to instruct George Post & Sons, 341 Fifth Ave., New York, Architects, to prepare preliminary plans for proposed new gymnasium.

SYRACUSE.—Y. W. C. A. is planning to erect \$150,000 home on S. Salina St. in near future. Mrs. Donald Dey, President.

YONKERS.—Board of Education has decided to erect school in Nepera Park; plans have been drawn for additions to three schools.

NORTH CAROLINA

DURHAM.—Trinity College has \$100,000 available for erection of two buildings. Dormitory will be erected at once and administration hall later.

DURHAM.—Special Committee of Local Elks has reported favorably upon proposition to build a \$50,000 home; another committee to choose a site has been selected.

NORTH DAKOTA

DICKINSON.—Architect Anton Dohman, Metropolitan Block, Milwaukee, has been selected to prepare plans for erection of proposed Sisters' Hospital.

MINOT.—Contract will be let about Jan. 1 for erection of proposed \$15,000 library at Ramstad and Third Sts. Plans by Architect Woodruff.

OHIO

AKRON.—M. O'Neil Co. will erect large block on S. Howard St.

BELLAIRE.—Jewish Congregation is considering erection of temple on Belmont St. Plans being considered.

BUYRUS.—Y. M. C. A. has decided to rebuild large "Y" building destroyed by fire.

CINCINNATI.—John G. Herman, President, Newport Public Schools, has recommended erection of high school.

B. B. McQuillen, Cincinnati Planer Co., is having plans prepared for erection of modern residence in Dexter Ave., East Walnut Hills. David Davis, Fosdick Bldg., Architect.

Dr. Charles Klager will erect \$8,000 residence on Rose Hill Ave., Avondale. Philip Pfeiffer, 10 East McMillan St., Architect.

CLEVELAND.—W. P. Keipper will erect theater building at St. Clair Ave. and E. 105th St. Plans prepared by Architect George E. Rudolph, 2533 E. Fifty-fifth St.

CLEVELAND.—Contracts will soon be let for erection of proposed Central Y. M. C. A. building at Prospect Ave. S. E. and E. Twenty-second St.

COLUMBUS.—Ohio Electric Co. will erect \$175,000 depot on Rich St. during coming Summer. D. H. Burnham & Co., 9 Jackson Boulevard, Chicago, Ill., Architects. Metzel Tresselt and Basett, American Savings Bank Bldg., Associate Architects.

COLUMBUS.—Architects Richards, McCarty and Bulford, Rugery Bldg., will receive bids until Dec. 27 for erection of five-story concrete building in Grove St. for Felber Biscuit Co.

Architect H. C. Jones, Descher Block, is drawing plans for eight-room school building to be erected in Jersey independent school district, Licking County.

DEFIANCE.—Oriental Candy Co. will erect factory in this city, near Davidson St. S. A. Craven, Chairman Building Committee.

HAMILTON.—Bethel Church will purchase site for erection of edifice. Fred Koerber, Elder.

KENTON.—J. C. Weaver, proprietor of Weaver hotel, is having plans drawn up for erection of four-story hotel on same site as present structure.

LANCASTER.—Architects Riebel & Sons, New First National Bank Bldg., Columbus, are drawing plans for seventeen-room, \$20,000 residence to be erected for Father Mattingly, Pastor of St. Mary's Church.

POMEROY.—New bids will be asked on revised plans by Architects Howard & Merriam, Capital Trust Bldg., Columbus, for erection of proposed armory.

PORT CLINTON.—City is securing plans for erection of \$25,000 city hall.

SPRINGFIELD.—Springfield Pure Milk Co. will erect plant on North Fountain Ave. W. H. Bitner, General Manager.

YOUNGSTOWN.—Lodge of Columbo will erect \$10,000 building on W. Wood St.

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SOUTH BEND, IND.

YOUNGSTOWN.—Plans have been completed by Ainsley & Boucherle, Maloney Block, for erection of proposed Wood St. school.

OKLAHOMA

ARDMORE.—Broadway Baptist Church is considering erection of new edifice. R. A. Hefner, Chairman, Building Committee.

OKLAHOMA CITY.—Council is considering resolution calling election on \$300,000 bonds for erection of combination modern office building and city hall.

PERRY.—City will erect \$30,000 school. C. A. Jensen, Clerk Board of Education.

OREGON

EUGENE.—Beta Theta Pi Fraternity, University of Oregon, will erect \$15,000 club house.

PORTLAND.—Large addition will at once be erected to Hotel Portland. W. S. Norman & Bro., Spokane Hotel, Spokane, owners.

Bids will be received by Whitehouse & Foulhoux, Architects, Lumbermen's Bldg., until Jan. 10, for erection of \$150,000 club house for Multnomah Athletic Club.

PENNSYLVANIA

ARDMORE.—Henry L. Reinhold, Jr., 1004 Chestnut St., Philadelphia, has been commissioned to prepare plans for addition to apartment building recently completed by Harry Bronson Bickington on Crickett Ave.

BEAVER FALLS.—Architects Carlisle & Sharrer will prepare plans for erection of addition to Providence Hospital.

ELLWOOD CITY.—Architect Julian Millard, Hutchinson Block, Altoona, will prepare plans for erection of \$25,000 edifice for First Presbyterian Church.

HARRISBURG.—Bids will be received by trustees of the Pennsylvania State Lunatic Hospital until noon, Jan. 11, for erection and completion of Nurses' Home. J. H. Dempevolff, York, Architect; Dr. H. L. Orth, Superintendent.

HAZLETON.—Board of Controllers will erect \$100,000 high school on Vine St.

PHILADELPHIA.—Druckemiller, Stackhouse & Williams, Architects, are preparing plans for stone and plaster house, to be built in Overbrook, at cost of about \$8,000; two houses in Ardmore, both of stone and plaster, to cost about \$10,000 each; same architects will shortly ask for estimates on a stone and half-timber house to be built in Cynwyd for the Lower Merion Realty Co.

PHILADELPHIA.—Board of Managers of Odd Fellows' Orphanage, at Twentieth and Ontario Sts., has purchased site at Ogontz and Cheltenham Aves. for erection of new orphanage. Plans are being prepared for the new building, and work of construction will begin early in spring.

PHILADELPHIA.—F. P. Kennedy, Thayer and B Sts., Kensington, will have plans prepared for factory building to be erected on Salmon St.

Christ Church Corporation will erect \$100,000 parish building on Church St.

PHILADELPHIA.—J. Fred Zimmerman will erect theater at Germantown and Lehigh Aves. Plans being prepared.

PHILADELPHIA.—Architects Magaziner & Potter are preparing plans for two-story and tenement parish house for Calvary P. E. Church, at Pulaski Ave. and Manheim St.

PHOENIXVILLE.—Board of Education has accepted plans for erection of \$70,000 high school.

PITTSBURG.—Plans are being prepared by Architect George H. Schwan, 323 Fourth Ave., for erection of \$15,000 residence on Beechwood Boulevard for I. H. Aaron.

PITTSBURG.—Plans have been made by W. A. Snaman, Empire Bldg., for \$12,000 hall building, to be erected in Millvale for St. Anthony's Mutual Benefit Association.

WEST SCRANTON.—Design prepared by Architects Snyder and Ward for \$5,000 chapel to be erected on N. Ninth Ave. for West Scranton Italian Presbyterian Mission has been accepted by the members of Building Committee. Rev. L. D'Anna, Pastor.

RHODE ISLAND

KINGSTON.—Rhode Island State College, President Edwards, will apply to General Assembly for appropriation of \$75,000 for construction of science building.

WOONSOCKET.—Armory Commission has purchased site at 310 South Main St. for erection of proposed armory. Quartermaster-General W. Howard Walker, Pawtucket, Architect.

TEXAS

ARANSAS PASS.—City will issue \$20,000 bonds to erect school.
EL PASO.—Congregational Church is considering purchase of site at corner of Rio Grande and Williams Sts. for erection of edifice.

Frank R. Tobin is planning to erect three-story building on West Franklin St. Cost, \$42,000.

HOUSTON.—Bids will be received until Dec. 28 for erection of proposed twelve-story and basement Union National Bank Building at Main and Congress Sts. Mauran & Russell, Chronicle Bldg., Architects.

MOUNT VERNON.—Andrew J. Bryan, Dallas, will prepare plans for erection of \$50,000 court house.

UTAH

OGDEN.—Children's Aid Society is considering erection of \$25,000 home.

SALT LAKE CITY.—Treasury Department, Jas. K. Taylor, Washington, D. C., Supervising Architect, will soon start work on enlargement of post office building.

Plans to govern competition for selection of architect for the new high school building to be erected by Board of Education have been completed by W. B. Ittner, Supervising Architect for the St. Louis School Board, and submitted to the Board.

VIRGINIA

DENBIGH.—Denbigh Magisterial District, Warwick County, has voted \$5,000 for erection of school.

OLD POINT COMFORT.—Old Point Comfort College is considering erection of gymnasium. Brother Marcellus, President.

PETERSBURG.—Appomattox Trust Co. will rebuild structure destroyed by fire.

RICHMOND.—Life Insurance Co. of Virginia will erect ten-story office building on Broad St.

ROANOKE.—Local Eagles will erect three-story \$35,000 home. Site purchased.

WASHINGTON

HOQUIAM.—Robert F. Lytle is having preliminary plans drawn for modern building to be erected at corner of Eighth and L Sts.

SEATTLE.—Union Savings & Trust Co. will erect eighteen-story office building at Second Ave. and Cherry St. Cost \$40,000. Contract to Thompson & Starrett. Work to begin March 1. Bebb & Mendel, Denny Bldg., Architects.

W. A. Keene, as owner, will erect seven-story building at Seventh Ave. and Jackson St., to be occupied by Japanese Importing Co.

Cline Piano Co. will erect three-story, \$45,000 building at Third Ave. and Stewart St.; excavations now being made. H. Ryan, Globe Bldg., Architect.

F. M. Stanley will raise building at Seventh Ave. and Madison St. five additional stories at cost of \$50,000. W. D. Van Sicklen, Downs Block, Architect.

SPOKANE.—Kohler & Chase Piano Co., 818 Riverside Ave., will erect business block.

Second Christian Science Church is planning to erect edifice. Mrs. Elizabeth Kline, Reader.

Christopher Medenthal is planning to erect two-story \$20,000 brick building at Second Ave. and Bernard St.

WEST VIRGINIA

WHEELING.—Plans and specifications are now being drawn by Architect Franzheim for erection of \$80,000 apartment house at Bae Mar Pl., Pleasant Valley, for Delgade Apartment Co.

WISCONSIN

APPLETON.—Wisconsin Telephone Co. will erect \$75,000 headquarters building in this city next year. Alonzo Burt, Milwaukee, President.

GREEN BAY.—Green Bay Monumental Works will erect building at Washington and Chicago Sts.

MILWAUKEE.—Schnetzke & Son, Architects, are working on plans for four-story \$20,000 brick building to be erected at 214 Third St. for Grassler & Gezelschap.

MILWAUKEE.—Plans for \$20,000 Masonic temple to be erected on Eleventh St. for Kilbourn Lodge are being drawn by Architects Schnetzky & Son, 1318 Cedar St.

Adler Ice Cream Co. will erect \$20,000 factory at East North Ave. and Cambridge St. F. W. Andree, Cawker Bldg., Architect.



CEMENT STUCCO RESIDENCE, RED BANK, N. J.
Made of Edison Portland Cement

Albro & Lindeburg, N. Y. City, Architects

R. H. Howes Construction Co., N. Y. City, Contractors



THREE distinct primary elements enter into the construction of a house. One is art, another science, and the greatest of all is sentiment. Without sentiment there would be no home. Without science, the home would not be habitable and without art it would be cheerless. It is therefore plain that in dwelling construction all three should be firmly interwoven and the easiest, least costly and most permanent means to this end is in the use of Portland cement.

From the earliest known history of this country some form of cement has been used. Mexico is full of adobe houses that have withstood the onslaughts of wind and rain and earthquake. There is your example of science without art or sentiment. Scientific, because some aboriginal applied to practice his inspiration that a building so constructed that the aggregates would form one integral whole, would be absolutely stable.

Japan gives us examples of sentiment and art without science, and in consequence a typhoon fills newspaper first-pages with accounts of great horrors.

But the modern American home embraces all three elements. Art speaks forth in the beauties of the Portland cement structure, of rambling dimensions; and science, applied in the use of very fine ground cement, makes the art permanent, while the contrast with the beautiful greens of the lawn and foliage magnifies sentiment, that virtue which makes home dear to all.

EDISON PORTLAND CEMENT conserves all three elements. Its fineness permits of much smoother application, hence its services, once properly applied, are there for all the time. Hair cracks do not appear along the lines of the studs. The color is always uniformly light gray in tone, and never varies.

EDISON PORTLAND CEMENT is scientifically made, the process by which it is produced being the fruit of the greatest scientific mind of the age, that of Thomas Alva Edison.

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We want to interest you*

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TECHNICAL GRADUATE, wide experience in engineering and construction end of architecture; capacity for thoroughness in details, specifications and contracts, good executive, desires responsible position with architect or contractor. Address 18C, care American Architect. (1818 & T. F.)

ARCHITECTURAL ENGINEER, chief engineer for leading architects, solicits commissions for complete, economical designs and specifications for steel and reinforced concrete buildings, during spare time; have facilities for handling rush work. Thoroughly familiar with New York building code and general specifications. Terms reasonable. Address 19D, care American Architect. (1819-t.f.)

ARCHITECT, now employed by large public service corporation, desires change. Thoroughly familiar with power plant and industrial building construction. Technical education, and extended experience in all classes of buildings. Desires position as office manager for architect or contractor with view to partnership, or as architect for engineering firm or railroad. Address 25B, care American Architect. (1825-6)

ARCHITECTURAL Draughtsman living in New York desires position with New York Architect. General work, working drawings, details, etc. American and European experience. Temporary employment or for longer time. Moderate Salary. Address 26A, care American Architect. (1826)

COLUMBIA University Graduate desires position the first of the year with reliable New York firm of Architects. Can furnish the best of references. Address 26C, care American Architect. (1826)

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The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. **Remittance should accompany copy.** Copy received until 12 m. Monday.

ARCHITECTURAL and Ornamental Iron draftsmen needed constantly; salaries \$18 to \$35 per week. The Engineering Agency, Inc., Monadnock Block, Chicago.

WANTED Immediately—Two Draughtsmen capable of taking sketches fairly worked out and completing working drawings, detailing scale and full size intelligently. Work mainly first-class residences, but usual amount general office work. Delightful winter climate six months, but good balance of year. Apply, giving full particulars, salary expected, etc., to H. T. E. Wendell, Architect, Augusta, Ga. (1825-26)

SALESMAN visiting architects and builders for new patented kitchen and laundry utility of great merit. Sells on sight from pocket photograph as superior. It is quickly recognized. Liberal commission. Mesha Mfg. Co., 118 Beekman St., New York. (1817-T.F.)

WANTED—Paris Beaux-Arts Man, experienced designer on monumental work. Write stating experience, references, age and salary desired. 26B, care American Architect. (1826)

WANTED at Once—A first-class Architectural Draughtsman of steady habits, good on construction, working plans and details for general run of work. Steady employment if services prove satisfactory. Apply to Foeller & Schober, Green Bay, Wis. Give reference and experience, and state salary expected. (1826-27)

PROPOSALS

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. Copy received until 12 m. Monday.

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 30, 1910. Sealed proposals will be received at this office until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including masonry, carpentry, iron and steel, ornamental iron, roofing, painting, fire-proofing, plastering, etc., labor and materials complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications, copies of which may be obtained at the office of the County Commissioners on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of bids on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications.

By direction of the County Commissioners.

CHAS. T. STRAUGHN,
County Controller.
(1824-25-26)

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 28th, 1910. Sealed proposals will be received at this office, until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including increased water supply, sewage disposal plant, power plant, elevator, heating, ventilating, plumbing and electric wiring complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications, copies of which can be obtained at the office of the County Commissioners, on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of the bids, on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications.

By direction of the County Commissioners.

CHAS. T. STRAUGHN,
County Controller.
(1824-25-26)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 5, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 16th day of January, 1911, and then opened, for the extension, remodeling, etc. (including plumbing, gas piping, heating apparatus, and electric conduits and wiring system), of the U. S. Post Office and Custom House at Bath, Maine, in accordance with drawings and specification, copies of which may be obtained from the Custodian at Bath, Me., or at this office, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1825-6)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 8, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 12th day of January, 1911, and then opened, for metal vault linings, doors, etc., in the extension to the U. S. Assay Office, New York, N. Y., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Superintendent at the building, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1825-26)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 1, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 3rd day of January, 1911, and then opened, for the installation of a conduit and electric wiring system in the United States Assay Office, New York, N. Y., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Superintendent of Construction, New York, N. Y., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1825-26)

NOTICE TO CONTRACTORS

NEW YORK STATE EDUCATION BUILDING

Sealed proposals will be received by the Secretary of the Trustees of Public Buildings in the Executive Chamber, the Capitol, Albany, N. Y., up to 12 o'clock Noon, January 24th, 1911, for: (1) The Electric Lighting Fixtures, (2) The Metal Book Stacks and Metal Cases, (3) The Wood Book Cases, (4) The Electric Wiring for Book Stacks and Book Cases and Extension to Existing Plant, (5) The Elevators and Book Lifts, (6) The Glazed Grilles and Miscellaneous Ornamental Iron and Bronze Items, and (7) The Interior Decoration, for the New York State Education Building, situated on the north side of Washington Avenue, extending from Hawk Street to Swan Street, in the City of Albany, N. Y., and opened publicly by the Trustees of Public Buildings in the Executive Chamber. A separate and distinct proposal is required for each of the seven items of work for which proposals will be received. Each proposal shall be accompanied by a certified check or cash deposit to the amount of 5 per cent. of the amount of the proposal. The Trustees of Public Buildings reserve the right to reject any or all proposals received if they consider it to the best interests of the State to do so. The Surety required to guarantee the faithful performance of the work will be one or more bonds executed by one or more guarantee or surety companies aggregating in amount 50 per cent. of the amount of the contract. The bond or bonds shall be executed within thirty (30) days from the date of award of the contract. If the surety or sureties shall not execute the bond or bonds, or if the sureties offered by the contractor are not approved by the Trustees of Public Buildings, and other sureties are not provided acceptable to the Trustees of Public Buildings, the contractor will be considered as having abandoned his bid. In event of such default on the part of the contractor, the deposit made by him shall be forfeited and retained by the State of New York as liquidated damages because of such default; the notice of award will be deemed cancelled, and the State will be under no obligation to pay the contractor for any work done and performed by him.

Contractors submitting proposals for Metal Book Stacks and Metal Cases are required to erect in the New York State Education Building a sample stack, which sample is to be delivered and erected at or before the time fixed for the receipt of the proposals.

Contractors submitting proposals for Electric Lighting Fixtures are required to deliver certain sample fixtures at the office of the Architects, Palmer & Hornbostel, at the corner of Washington Avenue and Hawk Street, Albany, N. Y., at or before the time fixed for the receipt of the proposals.

On and after December 20, 1910, the drawings and specifications, the form of contract, the bond, and blank forms for proposals, may be obtained at the office of the Architects, Palmer & Hornbostel, No. 63 William Street, New York, N. Y. One set of drawings, specifications, etc., will be furnished contractors intending to submit proposals for any one of the seven items of work on application to the Architects and upon payment of a deposit of \$500.00, this deposit to be forfeited if the drawings and specifications are not returned to the Architects in good order before February 15, 1911. Additional copies will be furnished upon the payment by the contractor of the net cost of the same. Plans and specifications will be supplied the sub-contractors wishing to submit to contractors figures for the various departments of work, upon reasonable notice to the Architects and payment of the net cost of the plans and specifications required.

By order of the Trustees of Public Buildings.

FRANKLIN B. WARE,
State Architect,
The Capitol, Albany, N. Y.
(1826-27)



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We co-operate with the architect in every way. Our booklet gives interesting facts and information, and we gladly furnish additional special information to cover special conditions on request. Ask for our sample miniature shingles.

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Figure No. 57



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For Buildings of Quality

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In both service and appearance they fulfill the highest requirements. Made of the finest grade Steam Metal, and finished in any regular or special style.

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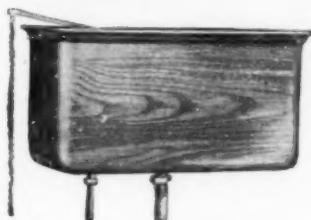
DAYTON, OHIO

Figure No. 58



Key for Lock Shield Radiator

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J-M Sanitor Seats and Tanks—which in finish can't be distinguished from the finest wood—are as sanitary as the best porcelain bath-tub. Just as easily kept wholesome and clean.

Like porcelain, they are homogeneous. Made of specially treated indurated fibre, moulded in one piece—moulded under heavy hydraulic pressure.

So they have no seams or joints, no cracks or crevices of any kind. And, like porcelain, they are non-porous, non-absorbent.

Thus it is absolutely impossible for dirt, germs or foul odors to find a lodging place in J-M Sanitor goods.

And water, dampness, etc., have no more effect on J-M Sanitor Seats and Tanks than on a porcelain tub. Unlike wood, they won't warp, shrink, swell, crack, split or sweat. This makes it impossible for the inside fittings in J-M Sanitor Tanks to be thrown out of adjustment.

Compare these points with wooden goods, with their glued seams and joints that come apart—with their screws, bolts, etc., that work loose—with their countless pores, cracks, crevices and other harboring places for filth and disease germs.

Yet, with all these advantages, J-M Sanitor Seats and Tanks cost no more than high-grade wooden goods. And, with ordinary usage, they will last as long as the building in which they are installed.

Furnished in any finish to match woodwork—mahogany, oak, white enamel, etc.

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ASBESTOS

Asbestos Roofings, Packings,
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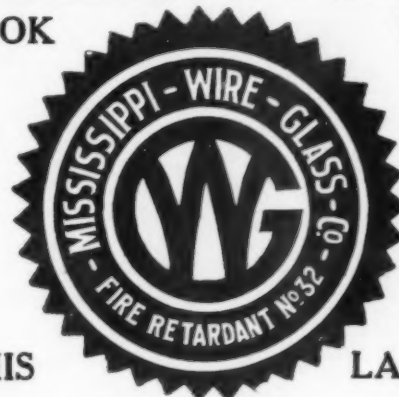
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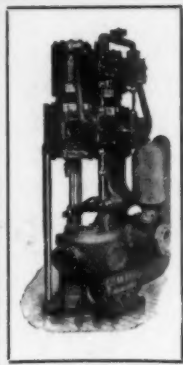
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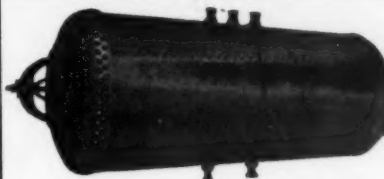
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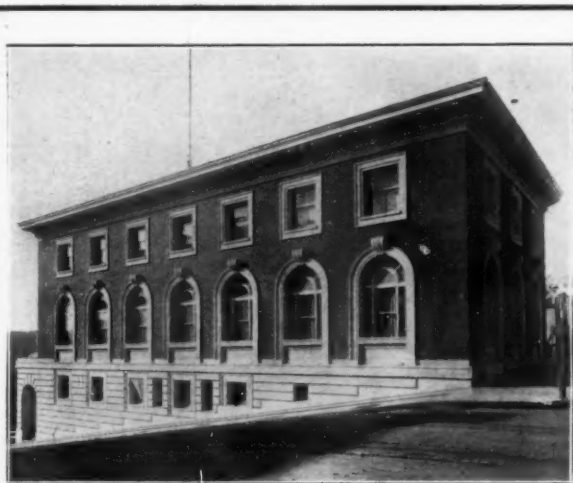
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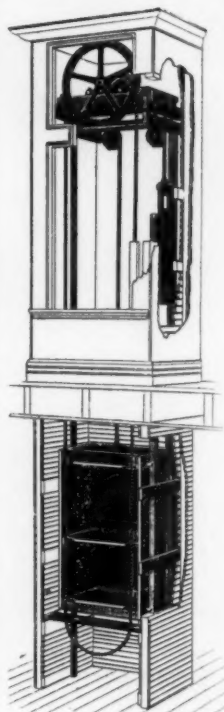
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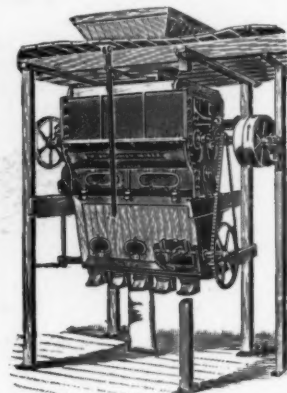
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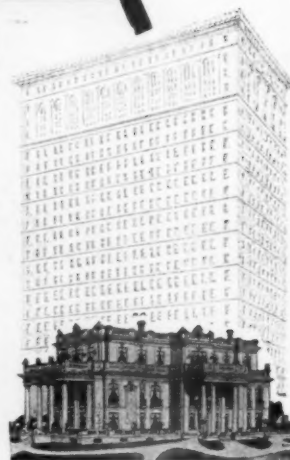
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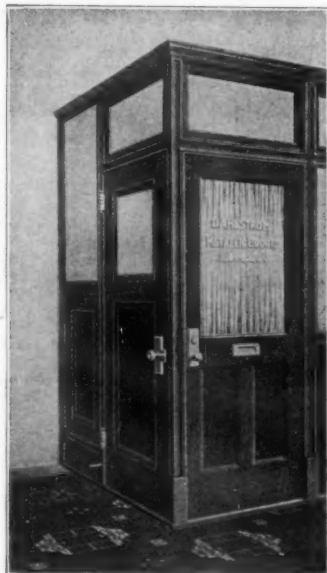
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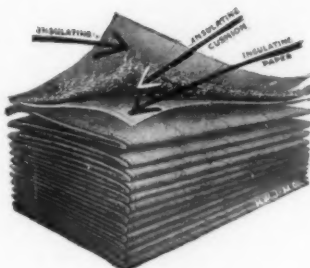
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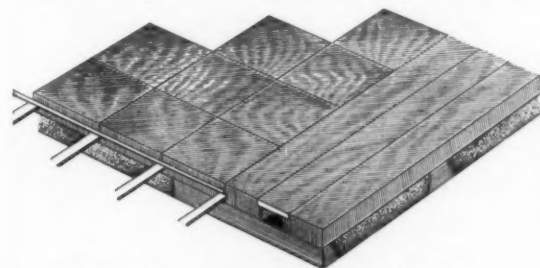
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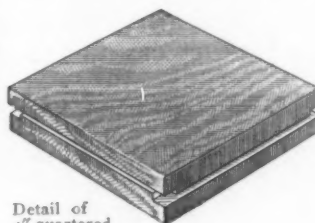
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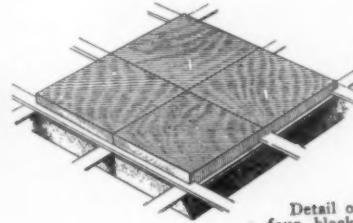
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Detail of four blocks showing steel weave.

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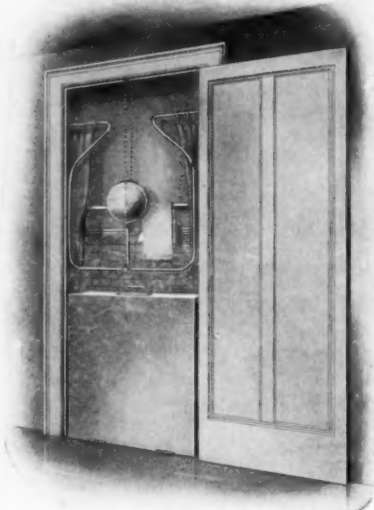


Plate 199 Folded

A catalogue of space-saving devices sent on request.

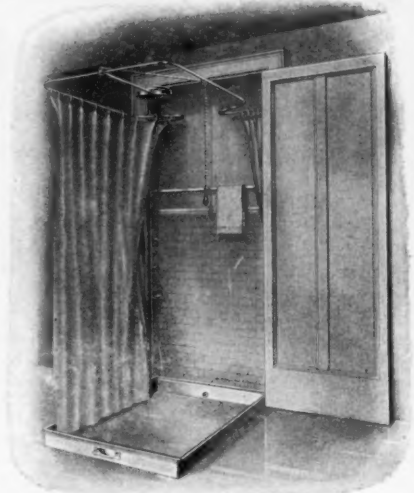


Plate 199 Showing Detail

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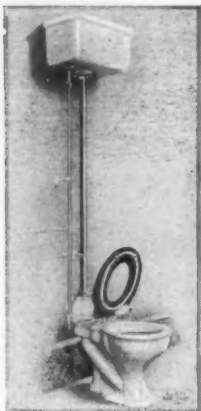


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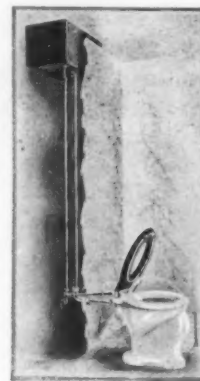
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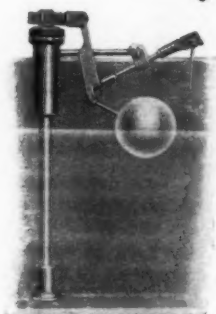
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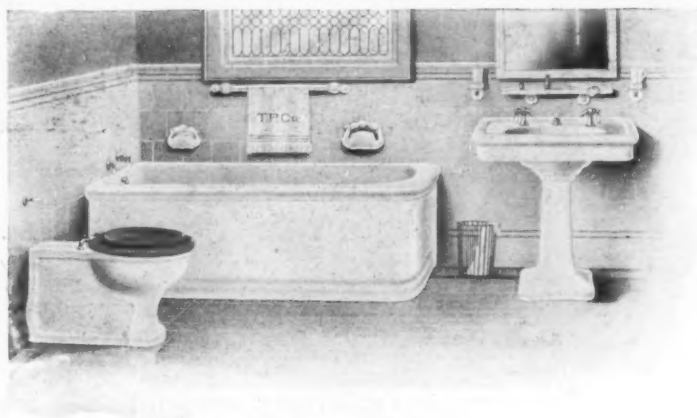
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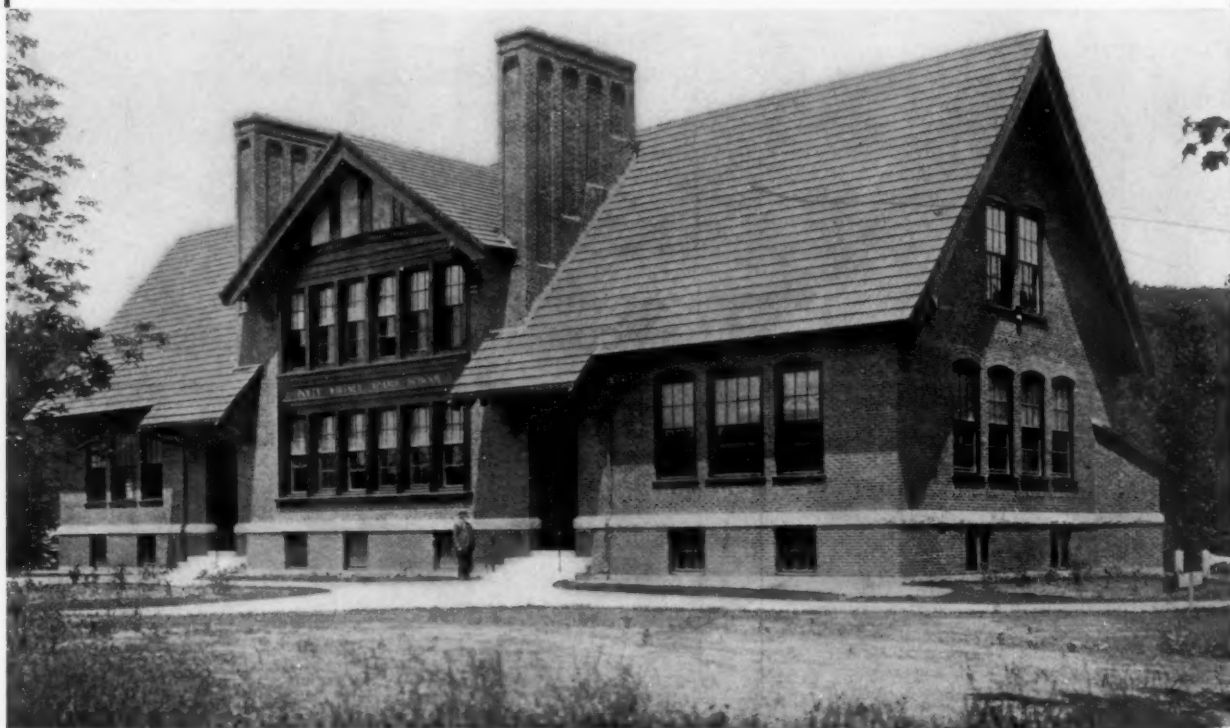
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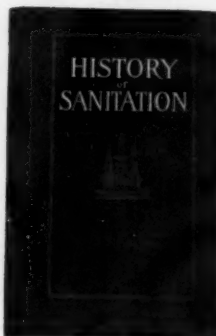
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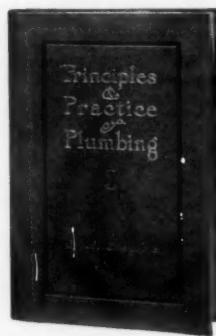
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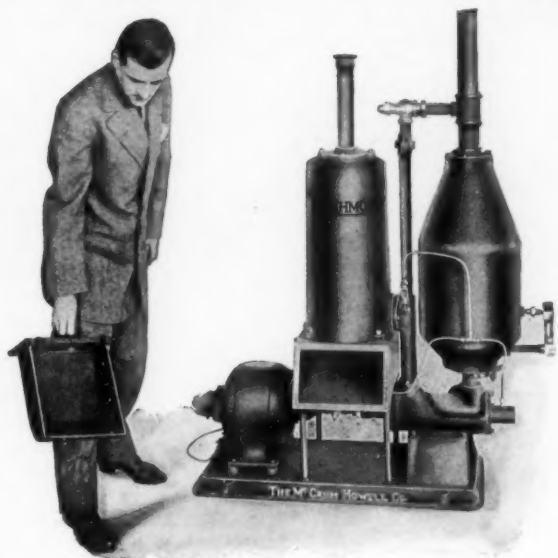
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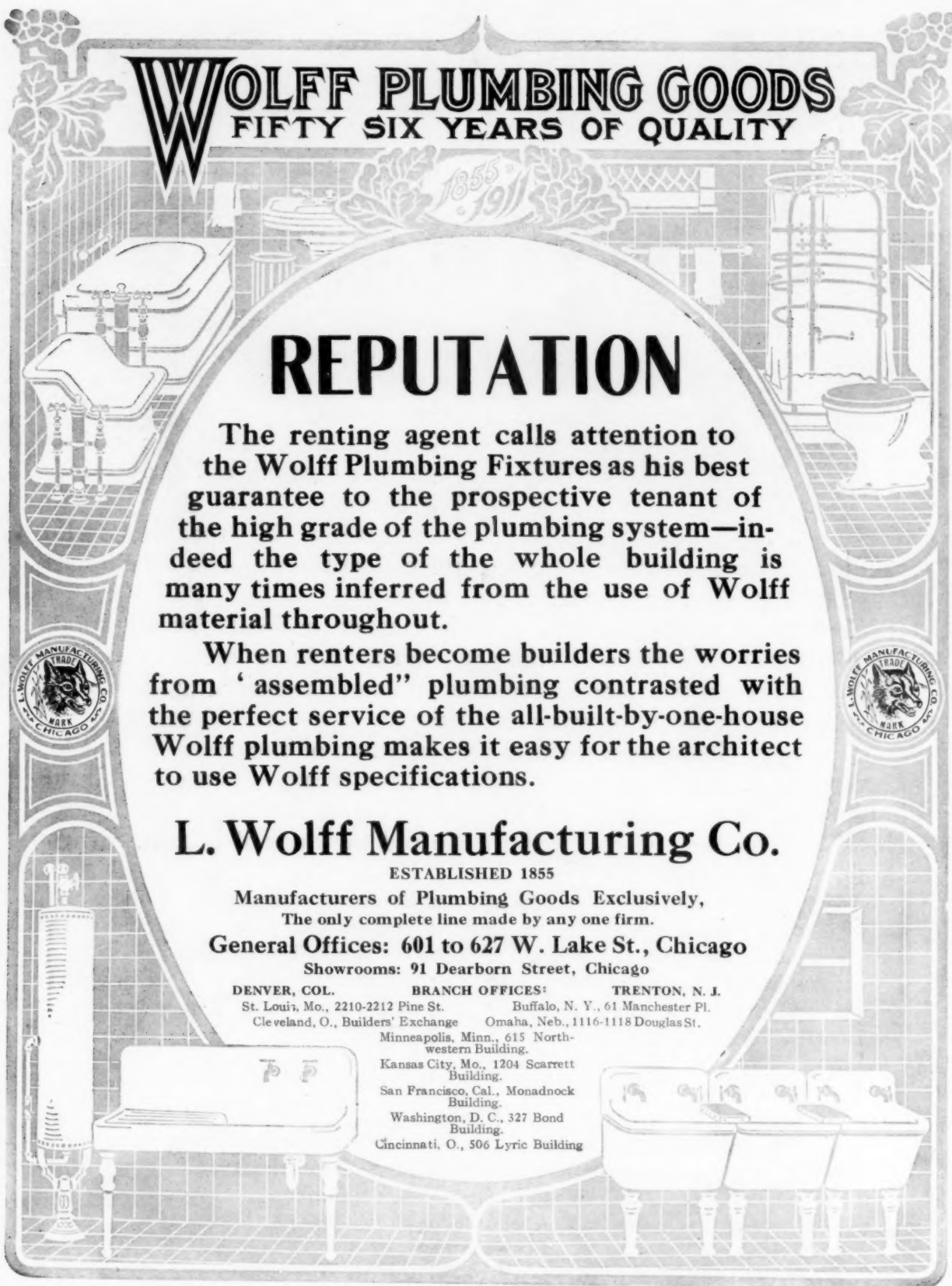
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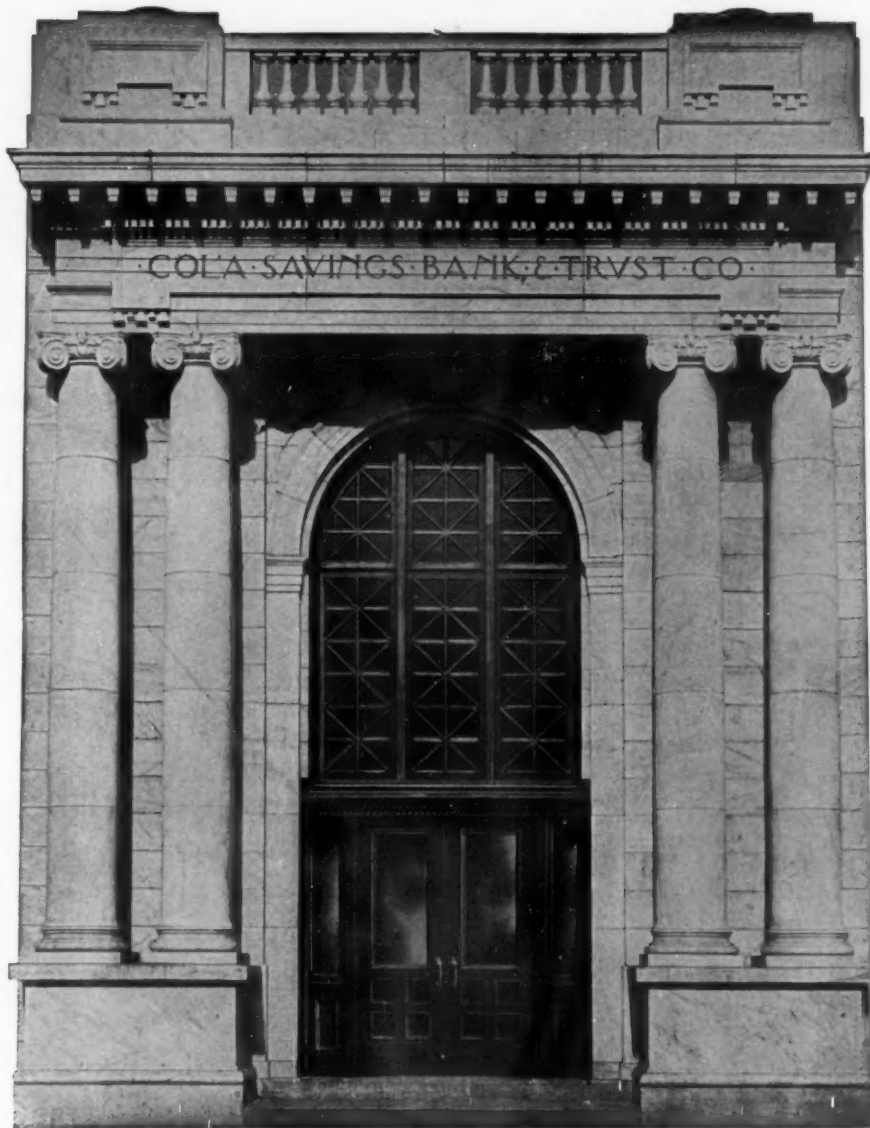
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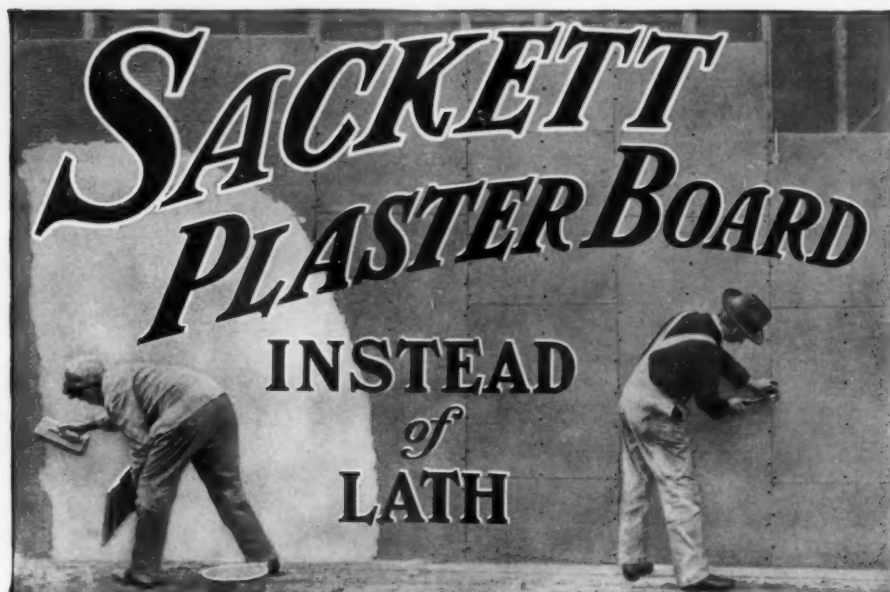
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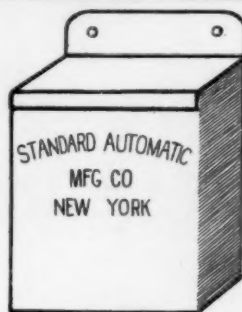
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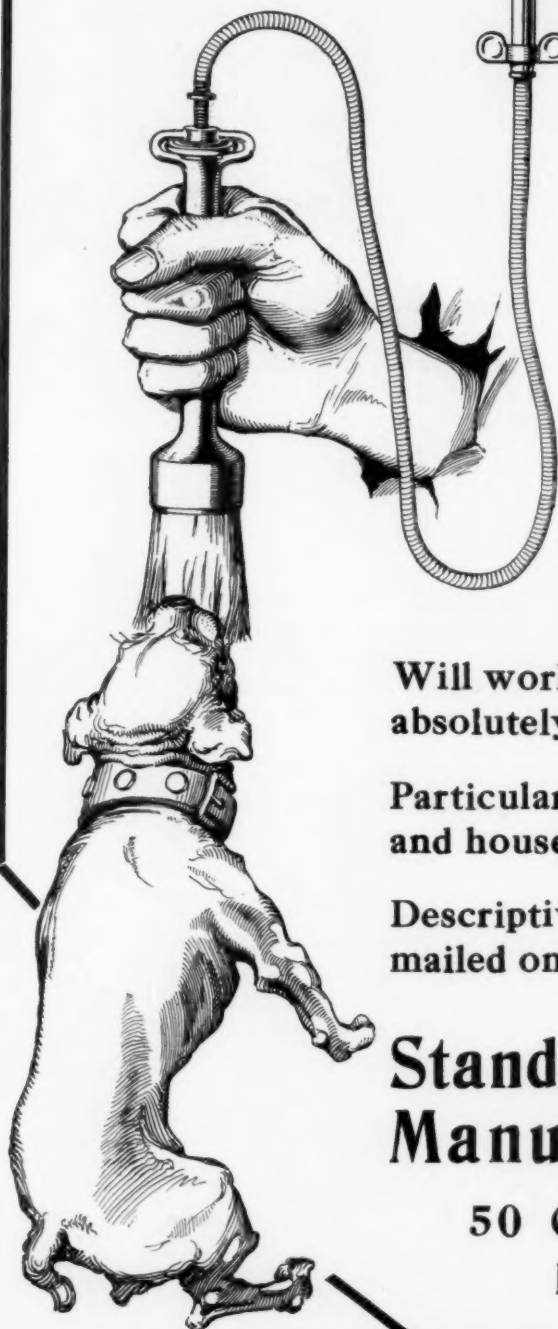
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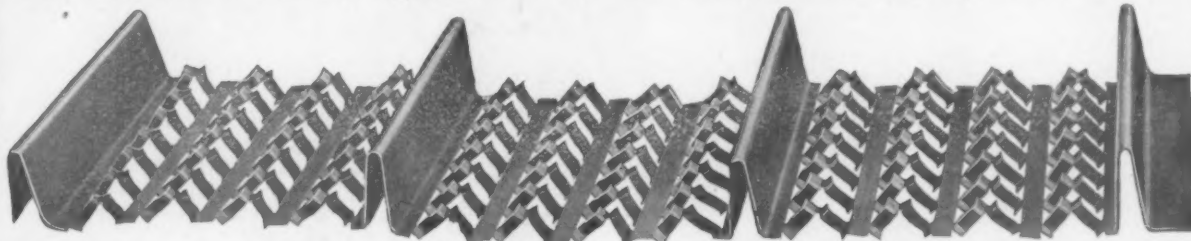
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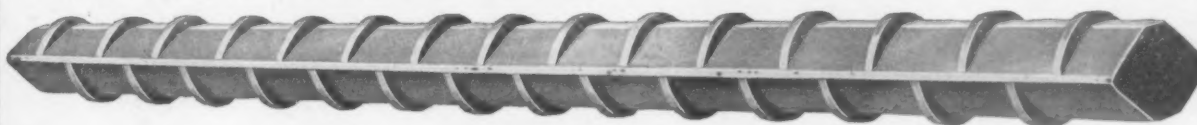
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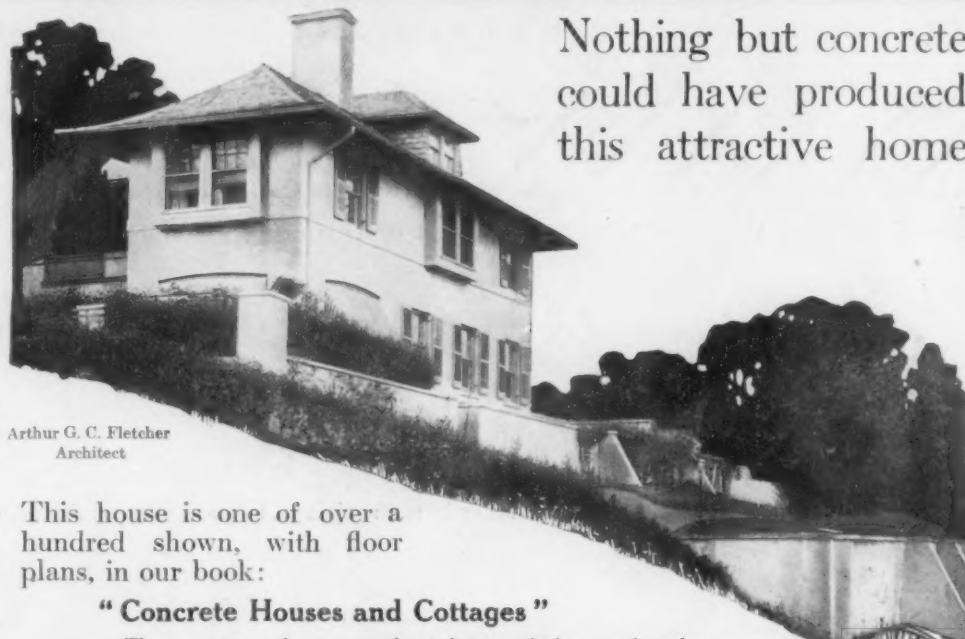
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CURRENT NEWS *and* COMMENT

San Francisco's Proposed City Hall

Securing plans for a new City Hall by a competition of the best architects in the land for prizes aggregating \$20,000, may have seemed a desirable thing in the eyes of the Supervisors, when such a resolution was introduced in the Board and referred to the Finance and Public Utilities committees jointly, but the leading architects in San Francisco condemn the suggestion as impractical and inadequate to secure the desired results.

Protest and suggestion, both well defined, came from the architects, while the local chapter of the American Institute of Architects is engaged in formulating a plan to cure the difficulties of the present moment and all future moments in municipal architecture.

The principal objection urged against the competition plan is that it would not result in competition. The reasons given are as follows:

Bonds for a new City Hall, not having been authorized by the people, the architects of the country would not take the competition seriously.

The amount named is said not to be sufficient to attract the real talent of the profession, even if the competition plan did not already stand condemned.

These reasons are considered by the architects to be sufficient to put the competition idea in the discard, even if there were not a better plan which has been tried and proved to be sound.

A municipal committee of fine arts is the real remedy, according to the architects, and they point to the fact that it has been tried successfully by the nation, by New York City, by Cleveland, and even on the Pacific Coast by Seattle. The mile stones are all in place, and there is no danger of going wrong if San Francisco will take this path.

The San Francisco Chapter of the American Institute of Architects has appointed the following committee on this subject: Willis Polk, John Galen Howard, Edgar Matthews, W. B. Faville, C. P. Weeks, Smith Brown, Jr., E. A. Coxhead and Albert Pissis.

The committee will propose to the Mayor a committee on fine arts for the city, and it would prefer that the Supervisors would defer action until they have had the opportunity to propose a plan, rather than to attempt to secure a competition before the bonds have been authorized.

The fine arts commission plan has been tested for twenty years, and there need be no fear of mistake in taking advantage of the experience of other communities. It is carried out in France by a Cabinet Minister. We have a national commission of fine arts, which has the authorization of a Congressional appropriation. New York has had such a committee for many years, and it has recently been placed on a practical footing there. It is working successfully in Cleveland, and has even been adopted by Seattle. San Francisco need not fear that its adoption here would be at all in the nature of an experiment. The whole problem has been solved through a development of twenty-five years.

The best architects in the country would not pay any attention to the announcement of a competition for plans for a new City Hall with \$20,000 in prizes. They might be induced to do so if the matter could be placed in the hands of a commission, consisting possibly of several

good architects, the Mayor and a representative of the Board of Works. This might give the assurance that the construction of the building would be taken out of politics. It might then be possible to secure a number of the best architects in the country to present sketches, or studies, with the understanding that the one selected would secure a capital prize and each of the others a sufficient amount to pay for the cost of making the studies.—*San Francisco Chronicle*.

Convention of American Civic Association

The sixth convention of the American Civic Association, which was held in Washington on December 13, 14 and 15, was largely attended and the subjects discussed of much practical importance. Mr. J. Horace McFarland, of Harrisburg, president of the association, presented his annual address, the principal topic of which was the subject of parks.

A letter from President Taft was read, in which he advanced the hope that some way might be found to get rid of "the disgustingly unpicturesque advertisements which mar almost every rural view."

Many papers on subjects along lines of civic betterments were read and discussed during the three days of the convention. Among those who took active part in the discussion were Clinton Rogers Woodruff, of Philadelphia, secretary of the National Municipal League; Mr. Thomas Nelson Page, president of the Washington Society of Fine Arts; Mr. Frederick Law Olmstead and Mr. George B. Dealey, of Dallas, Tex.

The feature of the business session was the report of Secretary Watrous. It showed the scope and strength of the movement represented by the association. Mr. Watrous reported that the membership has reached a total of 2,700, of which 500 are affiliated societies, and that they represented in all parts of the United States and Canada an army of at least 70,000 men and women engaged in civic work.

At the business session of the association a resolution was adopted "earnestly protesting against the carrying into effect of plans recently adopted and filed by the New York Water Storage Company, for the construction of a dam and storage reservoir on the Genesee River at Portage, N. Y.

Copies of the resolution were telegraphed to Governor White and Governor-elect Dix, of New York.

The election of officers resulted in the re-election of J. H. McFarland, of Harrisburg, Pa., as president; Clinton R. Woodruff, of Philadelphia, as vice-president; William B. Howland, of New York, as treasurer, and Richard B. Watrous, of Washington, as secretary.

Concrete Houses for Workmen

It is reported that the Civic Improvement Association of Los Angeles will erect, as an experiment, fifty concrete houses for Mexican laborers and their families. Each house is to be built on a separate plot of ground and will have modern plumbing installed. It is proposed to assign a gardener and a nurse to the district that the occupants of the houses may be taught to take full advantage of their improved conditions.

NEWS OF THE CHAPTERS AND SOCIETIES

EXHIBITION OF NEW JERSEY CHAPTER, A. I. A.

The third annual exhibition of the New Jersey Chapter, A. I. A., will be held in the Free Public Library, Newark, March 15 to 30, both inclusive. The committee in charge is headed by Mr. Stockton B. Colt, chairman. Exhibits will be received February 17, 18 and 19.

ARCHITECTS CLUB OF SOUTH BEND, IND., AWARD PRIZES FOR BEST GARDENS

The Architects Club, of South Bend, Ind., desiring to encourage the people of that city in the care and beautifying of the surroundings of houses, offered a prize to be awarded to the owner of the best kept lawn and garden. The citizens entered into this competition with much spirit and the result was, as might be expected, a satisfactory betterment of the lawns and gardens that front on the public streets. This action of the architectural club we regard as most commendable and one that could be followed with good results by similar clubs in our smaller cities.

ANNUAL MEETING CENTRAL NEW YORK A. I. A.

The annual meeting of Central New York Chapter of the American Institute of Architects was held at Crouse College, Syracuse, on December 12. The following officers were elected: President, Arthur N. Gibbs, Ithaca; vice-president, J. Foster Warner, Rochester; secretary, Prof. Albert O. Phelps, Ithaca; treasurer, William V. Madden, Rochester, and member of Executive Committee, Prof. Clarence A. Martin, of Ithaca.

Albert L. Brockway and A. T. Taylor of Syracuse were received into membership by transfer from the New York chapter. Four delegates were elected to the annual convention of the American Institute of Architects to be held January 15, 16 and 17. The delegates are: C. E. Vosbury, of Binghamton; J. Foster Warner, of Rochester; J. H. Pierce, of Elmira, and A. L. Brockway, of Syracuse.

During the meeting there was a general discussion of the competition code of the American Institute of Architects.

One of the features of the occasion was an exhibit of the work of Syracuse University students and Syracuse architects.

At the close of the meeting a banquet was held at the Onondaga. The guests included Prof. Justin M. Scrafford of the department of architecture, Syracuse University, and Gordon A. Wright, of Syracuse.

ST. PAUL, MINN., TO ORGANIZE A BRANCH OF THE ARCHÆOLOGICAL INSTITUTE

It is stated that there will soon be organized in St. Paul, Minn., a branch of the Archæological Institute of America. The necessary membership to apply for a charter has been almost secured, and as the interest in the subject is wide spread among the people of St. Paul, it is confidently expected that the branch will soon be permanently organized.

PERSONAL

Charles S. Frost and Albert H. Granger, architects, announce the dissolution of their partnership by mutual consent, December 31, 1910. Mr. Frost will continue

his practice at the present address, 1804 Borland Building, No. 181 La Salle Street, Chicago, Ill.

William D. Hewitt, F. A. I. A., Alfred H. Granger, formerly of Frost & Granger, Chicago, and Phineas E. Paist, have formed a partnership for the practice of architecture under the firm name of Hewitt, Granger & Paist, with offices at 671 Bullitt Building, Philadelphia, Pa.

BOOK NOTES

LANDSCAPE AND FIGURE COMPOSITION, by Sadakichi Hartmann. Illustrated by photoengravings from celebrated paintings and original photographs. 120 pp., 7 x 10, full cloth. New York, Baker & Taylor Co. Price, \$2.50.

Accepting the usually defined meaning of composition as that harmonious arrangement or grouping of parts in the agreeable presentation of a subject and the subordination of each part to the whole, it would be practically easy for a man of average intelligence and a given amount of technical ability to secure a satisfactory result. But, there are so many other considerations of color, placing, etc., that, while the essential points of composition can be readily learned, there is really no sure guide. It is something like that which inspires the painter, the sculptor and the poet, it cannot be learned off-hand. It is born in men, and while it can be cultivated and refined, it can never be mastered unless the appreciative instinct is inherent.

It is not possible to set down in a work of this nature very much that is new to architects. They have acquired these rules in school and have always applied them in practice.

To the photographer—and it is to him that we understand this book is particularly addressed—the work will be useful in teaching the possibilities of a correct point of view, and thus lessen the number of photographs that glaringly offend the artistic eye.

PHOTOGRAPHING IN OLD ENGLAND, with some snapshots in Scotland and Wales. By W. I. Lincoln Adams. 4to, cloth, 112 pp. Decorated full-gilt. New York, The Baker & Taylor Co. Price, \$2.50, in box.

Mechanically speaking, this is a most attractive book. The illustrations are well rendered and the text is an intimate account of saunterings through the picturesque districts of Great Britain.

The reader, familiar with the sections depicted, will miss many views that more accurately present the artistic possibilities of a trip through so delightful a country. Especially is this noticeable in Devonshire, and in the cathedral towns visited.

In Clovelly, that quaint town, the most visited by the tourist and perhaps the most photographed picturesque locality in England, the pictorial essence seems to have been overlooked and the author has only secured an indifferent photographic impression from, in most instances, an unfortunate point of view. As to his work in cathedral towns, we doubt if any of the illustrations would offer any comprehensive idea of the architectural treatment of these mediæval buildings. The pictures seem to be deficient both from the architectural and pictorial viewpoint, and merely suggest to a man who has had much experience with a camera, that disappointment that is always present when he contrasts the brilliant image on the ground glass with the print from the negative.

Plumbing in Tall Buildings

Mr. Richard G. Ward, in *Sanitary Pottery* for November, calls attention to the rigid character of plumbing installations in high buildings, which so often results in dislocation of connections between the fixtures and the supply and waste pipes. He suggests as a practicable remedy the employment of corrugated drawn pipe for such connections which, as shown in the illustrations accompanying his article, would permit of a flexibility quite sufficient to take care of all displacements caused by swaying, settlement, or vibration.

The Cement Show

Probably no industrial exhibition held in recent years has shown in its exhibits so material an advancement as the Cement Show, which closed a successful week on the 21st December. The exhibition gathered together in Madison Square Garden, in this city, among the largest amphitheatres in this country, taxed the space of this immense building and drew an appreciative throng of visitors. It is significant that an exhibition so purely technical in its character should attract so large an attendance. The observant man who wandered through the many aisles of the show was impressed with the serious purpose of the visitors. There was a persistent search for knowledge, for information as to machinery and methods. This seeking for knowledge was met by a most intelligent lot of men in charge of the various sections who were thoroughly informed in their various special lines, and, what is not always the case, knew how to impart that knowledge. The result, as may be inferred, was a successful campaign of education that brought together the maker and the men who buy, use and specify.

To say that the cement industry in this country has kept pace with modern building is to tell but half of the story. Not alone has it kept pace, but it has often blazed the way to newer and safer forms of construction. As a building material cement has become ubiquitous. It is found in some proportion in every form of modern construction, and as a material it ceases to become competitive, and is now almost if not quite mandatory in progressive building operations.

This point was amusingly but at the same time insistently developed during the course of the remarks of Hon. John Purroy Mitchell at the recent banquet of the National Cement Users' Association, held during the show, when he stated that no matter who was the successful bidder for New York's proposed new subways they would be built of cement in any case.

Cement, as a utilitarian material, has not as yet developed all of the artistic possibilities that we believe are latent. Its producers and sellers have been too busily engaged in supplying a large and constantly increasing demand for the raw material to devote any large share of effort to its higher artistic possibilities. For this reason we have no fault to find with the purely practical side of this exhibition, or with the fact that in the allotment of spaces there were so many incongruities of placing exhibits.

To find the people engaged in the production of artistic forms of ornamental relief or garden decorations sandwiched in between mixers and exhibits of concrete block machinery had a tendency to disturb the sequence of one's mental processes in endeavoring to gain an appreciation of this wonderful show.

It is to be hoped that in future exhibitions more

attention may be paid to each group of the product or its application, and thus enhance the value and the educational possibilities which are so largely present in an exhibition of this kind. To again refer to the remarks of a speaker at the banquet already mentioned the architect who visited this show—and it was failure to perform a duty if he omitted to do so—will find that cement is a plastic material in the highest sense. Its possibilities were largely exhibited, and we have no doubt with the experience that comes from extended use that the future will develop other and greater plaster adaptations of a material that has become so essential in modern construction and that lends itself so readily to the genius and invention of the modern designer.

Banquet of the National Cement Users Association

One of the most enjoyable occasions that marked the many gatherings held during the Cement Show, which has just closed, was the banquet of the National Association of Cement Users, given at the Hotel Astor on the evening of December 15.

It is a sign of the higher intellectuality of the times that even in organizations of business development there should prevail that deep thought and study of even utilitarian products that fifty years ago was considered the province of only the more scholastically trained mind. It was an interesting experience to note the respect with which each man approached his topic, and while there was fun enough it was the wit that in a dignified way tends to add zest and give point to the argument.

Mr. Robert W. Lesley, vice-president of the American Society for Testing Material, was the toastmaster. Mr. Lesley's opening remarks were a feature of the evening's enjoyment.

The Hon. John Purroy Mitchell, president of the Board of Aldermen of the City of New York, as representing the city on this occasion, welcomed the visitors. Mr. Mitchell referred to the very important part that concrete had taken in the development of the subways in New York as well as in other large undertakings. He amused his hearers by the statement that cement manufacturers were in the fortunate position that whether the subways were constructed at the city's expense or by private capital they would be constructed of cement and they need have no uneasiness as to the outcome of the present controversy.

Mr. Robert W. De Forest, president of the Art Commission of the City of New York and also president of the Sage Foundation Homes Co., in a most interesting address referred to the work of the commission of which he is the efficient head, and dwelt upon the results that it was hoped to achieve in the work at the Sage Foundation at Forest Hills. The speaker believed that he knew less about cement than any man present, and that his views as to its price were antagonistic to theirs, inasmuch as he wanted cheap cement—as cheap as he could get it—for the construction of laboring men's homes.

Mr. John M. Carrère, F. A. I. A., of the firm of Carrère & Hastings, represented the architectural profession on this occasion. Mr. Carrère's remarks were of the greatest interest and we regret we are unable to print them verbatim. Mr. Carrère's main contention as to cement was that it is a plastic material, and that users of cement should always bear that in mind. He believed that it was a mistake to endeavor to use it in any other way. Mr. Carrère made it plain in his re-

marks that he did not favor the use of cement in any field other than its demonstrated one. He spoke at some length on the opportunities for expression in the use of concrete.

A further point emphasized by Mr. Carrère in the course of his remarks was that manufacturers and users of cement should at all times collaborate with the architect, and that he knew the architect was always glad to receive his technical information as to material from the manufacturers and users. This collaboration with the architect, the speaker believed, would result in the benefit of all parties concerned.

It is always a fortunate thing for the profession to be represented on occasions of this nature in so dignified a manner and to be able to have as a spokesman one who by training and experience is so well able to discuss the subject under consideration.

Mr. Charles Battell Loomis, the humorist, with a visage that would seem to indicate excessive melancholy, but with a ready tongue that sparkled with wit and humor, kept the guests in uproarious laughter while they listened to what was set down on the list of events as "A Concrete Talk."

The closing address was by Mr. John R. Morron, president of the Atlas Portland Cement Co. It is a test of the ability of a speaker, last on the list, when he is able to interest his hearers and keep in their seats the impatient ones who want to hasten away. To have lost the opportunity to hear Mr. Morron's remarks would have been to have missed one of the events of the occasion. It rounded out a well-spent evening which from end to end was a source of much pleasure to every one fortunate enough to be present.

Organs and Organ Cases

As an architectural detail the organ case has always presented an opportunity for effective display in the interior planning of the church. There are many examples to be found in Europe where the organ case has become the most admired part of the church, and by reason of its great beauty has overshadowed the rest of the interior. It is certainly true, in this country architects have not always given the thoughtful study to this important detail that it deserves, and whatever excellence has been secured has been largely through the initiative and co-operation of men who have been identified through life with this particular work. Quick to grasp the artistic possibilities of the architect's design, fertile in suggestions that are the result of close study, the master organ builders of America, while steadily increasing the possibilities of the organ as a musical instrument, have at the same time bent their efforts toward its artistic improvement in the most helpful way.

To call the organ a musical instrument is to say in a name but little of what it really is. The church organ to-day is a church orchestra. It takes as a nucleus the few instruments that formed the choirs of two centuries ago, and to this it adds others and all the singing qualities of the human voice.

Its development and present perfection have been only achieved as the result of close study and mechanical skill such as Mr. Hutchins, of the Hutchins Organ Company, and the men associated in this work showed in such a marked degree as to call forth the approval of one of our most important universities.

The Hutchins Organ Company, of Boston, Mass., under the direction of Mr. George S. Hutchins, has

been engaged in organ building for many years. The organs made by this company display a high degree of perfection in the organ builder's art.

There is no completed "stock on hand" of Hutchins organs. Each organ is a distinctive creation and is laid out, planned and arranged for the particular building for which it is intended. The interior arrangement is always on lines which many years of experience have demonstrated as best. Every pipe must have ample speaking and breathing room. It is not necessary to dwell on the importance of this feature in the sonorous full-toned instrument. Having provided the proper room for breathing and speaking it would be but wasted effort if adequate openings were not also supplied for the sound to find uninterrupted access to the auditorium. It is here that we first begin to realize the im-



portance of co-operation between the architect and the organ builder.

Quite naturally, the organ builder will desire to put his organ into an attractive case; but his greatest ambition is the music-speaking qualities of his instrument. For this reason for many years the organ, as viewed from the auditorium, presented the same monotony of graduated rows of vertical pipes, and it was only when the architect, desiring to harmonize these with the decorative treatment of the interior, offered, and found a ready response in the builder, some design to accomplish this purpose. The illustration herewith shows a Hutchins organ recently built in the Second Presbyterian Church, Chicago. As will be seen, this is a divided organ with the key desk in the center at rear of the pulpit. It harmonizes in an artistic way with the decorative treatment of the interior and does not present the monotony of many horizontal lines so common in earlier forms. We are assured that the tonal qualities are absolutely correct, so that the result may be cited as an example that may be safely followed.



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BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BIRMINGHAM.—German Lutheran Zion church is planning to build school and hall at cost of \$5,000.

WATERLOO.—Bank of Waterloo will erect bank and office building. J. Casper Smith, Cashier.

ARIZONA

PHOENIX.—Plans will be prepared by Norman F. Marsh, Broadway Central Bldg., for erection of proposed polytechnic high school; group includes four brick buildings; \$150,000 available.

PHOENIX.—Women's Club is considering plans for erection of building.

ARKANSAS

LITTLE ROCK.—Immanuel Baptist Church is considering erection of \$25,000 auditorium at Tenth and Bishop Sts. Rev. O. J. Wade, Pastor.

CALIFORNIA

ARTESIA.—Citizens have voted to erect \$20,000 school.

COLUSA.—C. G. Raub, Meridian, is considering erection of business block at Sixth and Market Sts.

COLUSA.—J. J. O'Rourke will erect two-story building at Fifth and Market Sts. W. H. Weeks, Cochrane Bldg., San Francisco, Architect.

CORNING.—School District is considering election on \$40,000 bonds to erect school.

LOS ANGELES.—Morgan, Walls & Morgan, 232 No. Main St., have prepared plans for erection of large office building at Spring and Seventh Sts. for I. N. Van Nuys.

LOS ANGELES.—Los Angeles Investment Co. is considering erection of twenty-story \$1,500,000 building at Broadway and Eighth St.

OAKLAND.—Architect Walter D. Reed, 1614 Balboa Bldg., has prepared plans for erection of \$50,000 building at Ninth and Franklin Sts. for I. C. and J. M. Lewis.

PALO ALTO.—Citizens will vote on \$20,000 bonds to erect concrete building at water works and on \$2,500 bonds for city jail.

SACRAMENTO.—Local Masons have decided to erect proposed temple at Twelfth and J Sts. A. L. Darrow, president trustees Building Association.

SAN FRANCISCO.—Architects Wright, Rushforth & Cahill, 571 California Ave., will at once let contract for erection of proposed temporary city hall on Market St.

SAN FRANCISCO.—Architects Cunningham & Poletto, Chronicle Bldg., have prepared plans for erection of proposed Alcazar Theater building on O'Farrell St. for Belasco & Mayer.

SAN LEANDRO.—P. J. Kelly will erect residence at Sybil Ave. and San Jose St.

VALLEJO.—F. D. Voorhees, San Francisco, will prepare plans for erection of proposed high school.

WHITTIER.—State Banking Company will be organized by T. J. Thomas, Farmers' and Merchants' Bank, Imperial, and will erect building.

WILLOWS.—Citizens have voted \$5,000 bonds for purchase of site and \$25,000 bonds for erection of city hall.

COLORADO

DENVER.—United Commercial Travelers' Association is considering erection of hotel on Welton St.

CONNECTICUT

BRIDGEPORT.—Plans drawn by Architect F. A. Cooper, 1217 Main St., have been completed for the store and apartment building to be built at corner of Stratford and Hough Aves. for Adolf Sherman.

BRIDGEPORT.—Newfield M. E. Church will rebuild edifice destroyed by fire.

GREENWICH.—Town has \$25,000 available for erection of tuberculosis hospital on grounds of Greenwich General Hospital.

DELAWARE

DOVER.—Christ Episcopal Church is considering erection of auxiliary edifice.

NEW CASTLE.—Edgar Allen American Manganese Steel Works Co. will erect additional plants.

WILMINGTON.—Architect Frank Miles Day, 925 Chestnut Ave., Philadelphia, is preparing plans for museum to be erected for Historical Society of Delaware.

William L. Dockstader, Garrick Theater, will erect residence.

DISTRICT OF COLUMBIA

WASHINGTON.—Randle Highlands Citizens' Association is considering erection of school house and jail; \$26,000 engine house will be erected.

WASHINGTON.—Committee appointed by Secretary of War Dickinson will consider erection of \$300,000 insane building.

International Moral and Social Commission is planning to erect \$250,000 home for International Reform Bureau at Second St. and Pennsylvania Ave. Henry W. Blair, president.

WASHINGTON.—Charles W. King will erect apartment house at Thirteenth St. and Florida Ave., N. W.

FLORIDA

JACKSONVILLE.—Florida Life Insurance Co. has decided to erect ten-story building on Laura St.

W. A. MacDuff and A. S. Hubbard are considering erection of business structure on West Adams St.

GEORGIA

DUBLIN.—First National Bank is considering erection of five-story marble and brick bank building at Jefferson and Madison Sts.

MACON.—Architect Frank Happ will prepare plans for erection of fire station. Ross Bowdre, Chairman, Fire Committee.

SAVANNAH.—Epworth Methodist Church will erect edifice at corner of Jefferson and Thirty-seventh Sts.

Westminster Presbyterian Church is considering erection of edifice at Anderson and Bull Sts.

SAVANNAH.—Christian Church is considering erection of edifice.

ILLINOIS

CENTRALIA.—Kohl & Meyer Wholesale Grocery Co. is considering erection of addition to present building.

CHICAGO.—L. Fish Furniture Co. will erect \$200,000 mercantile building at 1901 S. State St. in near future.

John B. Mollers has had plans prepared for erection of twenty-story \$1,000,000 office building at Wabash Ave. and Madison St.

CHICAGO.—Franklin Co. has purchased site on Dearborn St. and is planning to construct 16-story fireproof building. S. N. Crowen, Stock Exchange Bldg., Architect; E. D. Moeng, President.

JOLIET.—Joliet Warehouse & Transfer Co., Michigan St., will erect large warehouse in Spring. Plans being asked for.

PANA.—Postmaster A. H. McTaggart has received plans and specifications for new \$70,000 federal building to be erected on S. Locust St.

INDIANA

ELKHART.—Crow Motor Car Co. will erect addition to plant, at cost of \$10,000.

ELKHART.—Bids will be received by Board of Education until 2 p. m. Jan. 4 for erection of proposed high school.

EVANSVILLE.—J. R. Brannen will erect large moving picture theater at Fourth and Main Sts. Cost, \$15,000.

St. Paul M. E. Church is considering erection of edifice on Superior St.

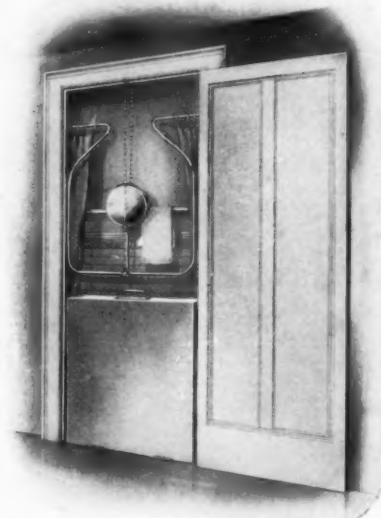
INDIANAPOLIS.—Dr. Thomas O. Gasaway, 1108 Central Ave., is planning erection of a modern three or four-story fireproof brick building at 735-749 Massachusetts Ave. Cost, \$50,000.

Space-Saving Shower Bath

(FITTING IN A 5' CLOSET)

Designed for Bedroom, Bathroom, Bachelor Apartments, Unimproved and New Hotels and Apartments, etc.

Features: space-saver, money-saver, water cannot splash to the floor. Supplied with anti-scalding valve. Shampoo attachment. Absolutely sanitary.



[Plate 199 Folded]

A catalogue of space-saving devices sent on request.

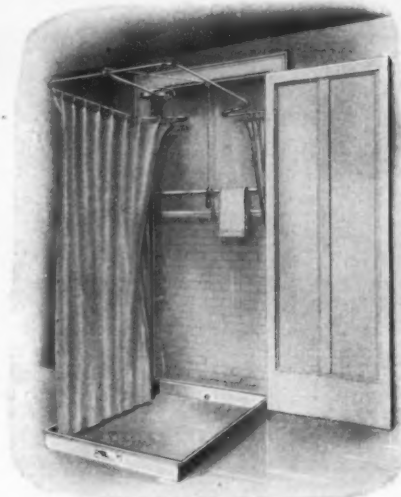


Plate 199 Showing Detail

Space-Saving Appliance Company

139 WEST 20th STREET, NEW YORK, U. S. A.

BRANCHES:

CHICAGO, 54 LA SALLE STREET

PITTSBURG, 414 GRANT STREET

PHILADELPHIA, 18 SO. 7th STREET

BOSTON, 101 TREMONT STREET

CANADA, THE STANDARD IDEAL COMPANY, PORT HOPE

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The bare fact that Asbestos "Century" Shingles are made of **reinforced concrete** is a convincing argument in itself. There's no getting away from the permanence of reinforced concrete—the tests it has stood in every climate, the disastrous fires and the centuries of time.



Asbestos "Century" Shingle Roof—Somerville Hospital, Somerville, Mass.; W. P. Leavitt Sons' Co., Newton, Mass., Contractors

You will find proof of the durability of Asbestos "Century" Shingles all over America and Europe on thousands of buildings of all types—residences, public buildings and industrial plants.

They are the first **practical lightweight** roofing of reinforced concrete—made of hydraulic cement with interlacing asbestos fibres, compacted by tremendous pressure. Asbestos "Century" Shingles are weatherproof—fireproof—timeproof. Cannot rot, rust, crack, split or blister. They literally outlive the building—**without repairs**.

You can get Asbestos "Century" Shingles in shapes and sizes to fit any architectural scheme. Three colors, Newport Gray (silver gray), Slate (blue black), and Indian Red. Ask your Roofer for new quotations. Write for Booklet "Mattison 1910."

The Keasbey & Mattison Company, Factors, Ambler, Pa.

INDIANAPOLIS.—Architect Chas. E. Bates, Lemcke Bldg., has prepared plans for erection of residence on Park Ave. for Miss Emily Coffay, 3020 Broadway.

PENNSVILLE.—School Trustees of Penn Township will soon receive bids for erection of school.

IOWA

AMES.—Bids will be received by D. A. Emery, Secretary State Board of Education, Des Moines, until 2 p. m., Jan. 5, for the erection of a gymnasium for the Iowa State college. Proudfoot, Bird & Rawson, Des Moines, architects.

CEDAR RAPIDS.—First Christian Church has decided to erect edifice at Third Ave. and Eleventh St.

OTTUMWA.—Architect John O'Connor, Youngerman Bldg., Des Moines, has prepared plans for \$200,000 convent to be erected in this city by Sisters of Humility of Mary.

SIoux CITY.—Wm. Lerch will erect building at 411 Fourth St. S. Krummann will erect \$25,000 addition to store building at Fourth and Court Sts.

STOCKPORT.—Citizens have voted an \$8,000 tax for erection of school house.

KANSAS

LEAVENWORTH.—Abdallah Temple, Nobles of Mystic Shrine, is considering erection of \$40,000 temple at Fourth and Seneca Sts. T. T. Reyburn, chairman building committee.

SILVER LAKE.—Bids will be received until 1 p. m. Feb. 1 for erection of school. F. C. Squires, 628 Kansas Ave., Topeka, Architect; J. S. Kelley, Clerk Board of Education.

KENTUCKY

LEXINGTON.—Architect Frederick Elliott, Board of Trade Bldg., Columbus, Ohio, will prepare plans for erection of large theater. L. H. Ramsey, manager.

LOUISVILLE.—Dr. J. W. Fowler, Superintendent of City Hospital, will recommend erection of temporary hospital.

LOUISVILLE.—Architect O. P. Reuter, 253 Fifth St., has prepared plans for \$5,000 brick veneer edifice of Highland Park Baptist Church.

LOUISVILLE.—Plans have been prepared by McDonald & Dodd, Equitable Bldg., for erection of two three-story brick stores at 614 S. Fourth Ave., for Q. F. Stark.

Architect Fred Erhart, 358 Fourth St., is planning erection of \$2,500 gate house at Trappist Monastery, Gethsemane.

LOUISIANA

ALEXANDRIA.—Alexandria Lodge of Elks, No. 546, will erect \$30,000 temple at Fourth and De Sota Sts.

BATON ROUGE.—J. K. Roumain will erect \$85,000 office and store building on Third St. in spring.

CROWLEY.—Professor F. C. Quereau will erect \$5,000 residence during coming year.

MORGAN CITY.—Doric Lodge, F. and A. M., will erect \$5,000 brick building.

NEW ORLEANS.—Board of Directors of New Broadway Theatre, Dumaine and Broad Sts., has decided to erect new theatre.

Union Brewing Co. will erect \$225,000 plant at Press and Robertson Sts. Toledano & Wogan, 830 Canal St., Architects. Jos. Di Carlo, President.

MARYLAND

BALTIMORE.—John F. Forsythe, 232 St. Paul St., is preparing plan for apartment house to be erected on Garrison Ave., Mount Alto.

Plans for \$20,000 two-story brick warehouse have been finished by Stanislaus Russell, architect.

Henry Williams is having plans made by Edward L. Palmer, Jr., architect, for \$20,000 residence to be erected on University Parkway.

Glidden & Fritz, architects, have finished plans for five-story fireproof apartment-house to be erected on Charles St. Boulevard for Wentworth Apartment Company.

BALTIMORE.—Baltimore Siegart Beam Co. will erect factory building at Curtis Bay. J. E. Laferty, 11 Pleasant St., Architect.

BALTIMORE.—Jas. W. Amos will erect eleven two-story dwellings on Oakley St. Jacob F. Gerwig, 210 E. Lexington St., Architect.

BALTIMORE.—Dr. Louis Becker is having plans made for a three-story model apartment house to be erected at Pratt and Ann Sts.

BALTIMORE.—Competitive drawings have been prepared for four-story \$25,000 Woman's Exchange Bldg. to be erected at Charles and Pleasant Sts.; estimates will be submitted about Jan. 1.

The Maryland Bleach & Dye Works is having plans made for two-story brick dyeing establishment to be erected at Hudson and Streeter Sts.

Royal Amusement Co. will erect \$5,000 theater at 1940 West Pratt St. F. E. Beall, 213 St. Paul St., Architect.

Baldwin & Pennington, Professional Bldg., have prepared plans for improvements at Polytechnic Institute at cost of \$350,000; bids will be submitted about Feb. 1. Henry Adams, Calvert Bldg., Engineer in Charge.

CUMBERLAND.—City will receive bids Jan. 7 for erection of \$90,000 city hall. Holmboe & Lafferty, Clarksburg, W. Va., Architects.

HAGERSTOWN.—Hagerstown Combination Heater Co. will at once erect plant.

MASSACHUSETTS

BOSTON.—St. Elizabeth's Hospital has purchased site at Cambridge, Warren and Washington Sts., in Brighton District, for erection of proposed hospital.

Daniel J. Cronin and P. L. Schuyler, Easton Bldg., will erect modern building on Tremont St., South End.

MICHIGAN

ANN ARBOR.—Architect Zachariah Rice, 57 Fort St. W., Detroit, has submitted plans for four residence halls for Michigan girls to committee of the Woman's League of U. of M. Plans have been accepted. Cost, \$125,000 each.

BATTLE CREEK.—Robert E. Seyfarth, 207 La Salle St., Chicago, Ill., has completed plans for three-story and basement \$30,000 fireproof building for Battle Creek *Inquirer*.

CADILLAC.—Perkins & Hamilton, 132 Clark St., Chicago, have prepared plans for \$75,000 brick high school.

DETROIT.—Albert Kahn and E. Wilby, Trussed Concrete Bldg., Detroit, have been commissioned by King Amusement Co. to prepare plans for \$40,000 theatre.

George D. Mason, 80 Griswold St., will soon receive bids on erection of \$60,000 addition to General Hospital at Pingree Ave. and Hamilton Boulevard, for the Health Board. Guy L. Kiefer, 233 St. Antoine St., Commissioner.

DETROIT.—F. W. Nall, 57 Alger Ave., is considering erection of apartment house on Second Ave.

GRAND RAPIDS.—Seventh Reformed Church, Jeanette and West Leonard Sts., is considering erection of parsonage and church.

HANCOCK.—W. H. Mason has let to Architect P. M. Olson, Sellwood Bldg., Duluth, contract for production of plans for new vaudeville theater.

HANCOCK.—Board of Education has decided to erect \$100,000 high school next year. Jacob Baer, President.

IONIA.—Hawley Down Draft Furnace Co., Chicago, is considering erection of three factory buildings in this city.

LANSING.—Building Committee of proposed Sparrow Hospital has rejected all bids and will readvertise.

LANSING.—County Supervisors are considering election on \$10,000 bonds to erect addition to poor house.

MANISTEE.—Architects Osgood & Osgood, Widdicourt Bldg., Grand Rapids, have prepared plans for erection of \$50,000 Masonic Temple.

MOUNT CLEMENS.—Citizens will vote on \$40,000 bonds for erection of jail and sheriff's residence.

PINCONNING.—National Chicory Co. will erect \$35,000 factory in this city.

MINNESOTA

AITKIN.—Society of Equity has accepted plans for erection of warehouse. Chas. Hendricks, Chairman, Committee.

COHASSET.—School District has voted \$35,000 bonds for immediate erection of school.

EVELETH.—Local Eagles are planning erection of two-story \$5,000 brick structure.

MISSOURI

KANSAS CITY.—Board of Education is considering erection of school near Forty-third St. and Belleview Aves.

SEDALIA.—Harvey L. Terry, Huckins Hotel, will erect \$200,000 hotel in spring.

The Ingham Shower Mixer

Saves Money for Hotels Equipped with Shower Baths

It saves money in the first place, by saving water.

In shower baths where the Ingham Mixer is *not* used, the bather almost always runs the water through the shower head for some time, constantly adjusting the valves until the temperature of water desired is secured

This water waste is entirely eliminated by the Ingham Mixer, as the bather simply turns the handle to a given point in order to secure, almost instantly, the temperature of water desired.

With a number of rooms equipped with showers, this is a big saving in the course of a year.

Another point of great economy is this: The Ingham Mixer is the only mixer which will mix either hot water or steam with cold water and give positive safety to the bather against excessive water temperature. Consequently either hot water or steam may be piped direct to the Mixer, and to pipe steam through the building is much cheaper than to pipe hot water because of the comparatively small size of the steam pipe and the consequent saving in material and installation.

Moreover, steam is an ever present commodity in Hotel buildings, while hot water must be especially provided for.

These are simply examples of the many valuable features of Ingham Shower Mixers.

The Ingham Mixers have proven successful in all kinds of installations and have been specified by many of the leading Architects of this country.

If you are planning shower baths for Hotels or any other kind of building, you will find it well worth while to write for a copy of our booklet "The Luxury of Shower Bathing."



The Imperial Brass Mfg. Co.

441 So. Jefferson Street, CHICAGO

ST. LOUIS.—Bids will be received until Jan. 3 for erection of proposed \$185,000 Harvey Heights School. Wm. B. Ittner, Architect.

ST. LOUIS.—Board of Education has purchased site at Shaw and Tower Aves. for erection of \$200,000 school.

Architects Mauran & Russell, Chemical Bldg., have prepared sketches of proposed erection of \$1,000,000 auditorium for grand opera.

NEW JERSEY

BAYONNE.—From plans prepared by Architect John J. Schmidt, 352 Avenue C, six-family \$7,000 flat will be erected on Sixteenth St. for Jacob Saltin, 117 W. Twenty-first St.

JERSEY CITY.—From plans prepared by Architect Robert C. Dixon, Jr., 148 Bulls Ferry Road, Weehawken, \$9,000 flat will be erected on Main St., North Bergen, for Michael Simeone, of 649 Main St., New Durham.

JERSEY CITY.—Plans have been completed by Architect John J. O'Neil, 14 Oakland Ave., for 12-family apartment house which will be built on Pavonia Ave. for Harry Hanson, 76 Cottage St.

Masonic Temple Association, recently incorporated, has purchased site at 835 Bergen Ave. for erection of proposed temple.

LAKEWOOD.—George Gould, Paul Rainey, H. L. Herbert, L. B. Stillwell, George Fales Baker and others will erect modern hospital, to be known as Kimball Memorial Hospital.

LONG BRANCH.—Architect Clarence W. Brazier, 1133 Broadway, New York City, has prepared plans for erection of proposed edifice, parish hall and rectory for St. James Episcopal Church.

LONG BRANCH.—Board of Estimate decided to recommend appropriation of \$110,000 for high school.

MOORESTOWN.—Church of Our Lady of Good Counsel is planning to erect \$6,000 rectory. Rev. John W. Murphy, pastor.

NEWARK.—Theater to cost between \$150,000 and \$200,000 will be erected at Broad and Fulton Sts. by a number of local business men, at the head of whom are Lee Ottolengui, manager of Waldmann's Theater, and Harry Berger, of Lowy, Berger & Finger.

F. Y. Parsons has drawn plans of the Emanuel Baptist Church, of concrete and frame construction, to be erected at Montclair and Clifton Aves.; cost is \$28,842.

NEWARK.—Supervising Architect Guilbert of Board of Education has prepared plans for erection of proposed South Side High School on Johnson Ave.

Alfred Peter, 238 Washington St., is drawing plans for a large three-story frame store and apartment building, to be erected in Bergen St., for Mrs. H. Muller, at cost of about \$20,000.

Hymen Rosensohn, 745 Broad St., has completed plans for erection of four-story brick store and apartment building at Fifteenth Ave. and South Thirteenth St. for Julius Pitscher.

ROSELLE.—Citizens will vote Dec. 27 on bonds to purchase site and erect school. Geo. Vaughn, District Clerk.

TRENTON.—Plans have been prepared by Architect E. A. Arend, Asbury Park, for erection of brick factory building on Tucke St. for C. J. Busby, of Asbury Park.

Rev. Daniel R. Foster, Greenwood Ave., is considering erection of number of houses on Evans Ave.

WEST NEW YORK.—Citizens have voted \$125,000 school bonds.

WOODBURY.—Board of Education will at once rebuild high school destroyed by fire.

NEW MEXICO

LAS CRUCES.—Local lodge of Elks has decided to erect proposed home at Church and Lee Sts.

LAS CRUCES.—Martin Lohman is preparing to have plans made for business block to be erected on Water St.

NEW YORK

BATH.—Citizens are considering election on \$15,000 bonds to erect town hall.

BINGHAMTON.—Board of Education has decided to erect proposed high school on Main St.; program for plan competition will be arranged at once.

BUFFALO.—Geo. V. Hatt, 94 Pearl St., is considering erection of residence on Crescent Ave.

CORTLAND.—Trustees of First Congregational Church will secure plans for erection of parsonage on Elm St.

NEW YORK.—Jas. Butler, Inc., 390 Washington St., will erect \$5,000 brick stable on 166th St. W. H. Gompert, 2102 Broadway, Architect.

NEW YORK.—B. & F. S. Welles, Islip, L. I., will erect five-story \$40,000 brick dwelling at 785 Park Ave. Trowbridge & Livingston, 527 Fifth Ave., Architects.

108th Street Realty & Construction Co., 20 W. Thirty-first St., will erect eight-story \$210,000 brick apartment house on 100th St. G. & E. Blum, 505 Fifth Ave., Architects.

663-665 Broadway Co., 63 Park Row, will erect twelve-story brick store and lofts on Broadway. H. V. Koehler, 489 Fifth Ave., Architect.

Chas. W. Demarest, 84 Williams St., will erect two dwellings, cost \$7,000, on Spuyten Duyvil Road. Robert W. Gardner, 122 W. Twenty-ninth St., Architect.

NEW YORK.—D. Abbate, 226 Lafayette St., will erect 12-story brick lofts and store at 237 Lafayette St. W. H. Birkmire, 396 Broadway, Architect.

Carnegie Construction Co., 608 W. 111th St., will erect eight-story \$100,000 apartment house on 115th St. Schwartz & Gross, 347 Fifth Ave., Architects.

Chas. E. McManus Building & Operating Co., 45 E. 42d St., will erect 12-story \$700,000 brick apartment and store building at Seventh Ave. and Fifty-fourth St. Neville & Bagge, 217 W. 125th St., Architects.

Fifth National Bank is considering erection of building at Lexington Ave. and 23d St.

NEW YORK.—J. J. Radlay, 118 W. 157th St., will erect eight-story \$120,000 brick loft building on Eleventh Ave. W. M. Farrar, 1269 Broadway, architect.

Edw. W. Browning, 18 W. Seventy-fifth St., will erect twenty-two-story store and loft building on W. Thirty-sixth St.; cost \$250,000. Buchman & Fox, 11 E. Fifty-ninth St., architects.

Café Elite Co. will erect hotel and restaurant building at 1557 Broadway. Andrew Mehler, manager of Rector's, is interested.

NEW YORK.—St. John's Park Realty Co., 149 Broadway, will erect \$900,000 eight-story warehouse on Washington St. W. H. Paine, 55 W. 105th St., architect.

Condegiae Bros., 147 Delancey St., will erect six-story \$40,000 store and office building at Bowery and Delancey St. C. Lowinsch, 18 E. 42d St., architect.

NEW YORK.—Wm. Kohring, 309 W. Thirty-eighth St., will erect twelve-story loft building on West Thirty-eighth St.

POUGHKEEPSIE.—First Reformed Church of Arlington will erect edifice. Benjamin Van Tassell, Elder.

RENSSELAER.—Cohoes Railway Co. will erect large car barns at Broadway and Third Avenue.

ROCHESTER.—Bishop Hickey is planning to erect edifice, to be known as Church of the Sacred Heart, on Knickerbocker Ave. Rev. George W. Eckl, Greece, is interested.

ROCHESTER.—Plans for erection of edifice on Oxford St. for Church of the Blessed Sacrament are being prepared under direction of Rev. Thos. F. Connors.

SYRACUSE.—Attorney Richard B. Smith is having plans prepared for erection of residence at Robinson and Elm Sts.

WATERTOWN.—Hope Presbyterian Church, Rev. G. H. Feltus, Pastor, will erect church. Chas. E. Dewey, 48 Bank Bldg., Architect.

YONKERS.—Bids will be received until 8 p.m. Jan. 4 for erection of proposed Saunders Trade School, on South Broadway. H. W. Bertholf, Chairman Committee on Architecture.

NORTH DAKOTA

JAMESTOWN.—Public library, cost \$30,000, will be erected by Library Board.

STANLEY.—Mountrail County is considering erection of court house.

WILLISTON.—United Lutheran Church will erect \$25,000 edifice.

OHIO

BREWSTER.—Wheeling & Lake Erie Railroad has had plans prepared for erection of \$50,000 station.

CINCINNATI.—Architects Werner & Burton are preparing plans for residence to be erected for Roy Miller, in Holly lane, Walnut Hills. The same architects also are preparing plans for home for S. S. Boyle, in Edwards road, Hyde Park, and also making plans for home for Vinton Perin, in Johnstone Pl., Walnut Hills.



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CINCINNATI.—Architects J. R. and R. W. Stewart are preparing plans for three frame dwellings to be erected for A. G. Bammerlein, in Kenney Ave. Cost about \$7,500 each.

Hotel Gibson Co., J. Stacy Hill, president, will erect ten-story 400-room hotel on site of present Hotel Gibson.

Herman D. Goebel is having plans prepared by architect **P. Striker**, 612 W. Fifth St., for erection of four dwellings on Winfield Ave. Cost, \$12,000.

CLEVELAND.—*The Leader* will erect fourteen-story block in spring. **H. S. Thalheimer**, Business Manager.

CLEVELAND.—**Burt Ramsey**, Colonial Arcade, is considering erection of building at Euclid Ave. and E. Sixth St.

Terminal Warehouse Co., Citizens' Bldg., will erect cold storage warehouse next spring at Canal Road and W. Third St. **Jay Latimer**, President.

DAYTON.—Site at Third and Wilkinson Sts. has been selected for erection of proposed \$1,000,000 Federal building.

LONDON.—Citizens have voted \$80,000 bonds to erect high school.

MASSILLON.—Contract for proposed federal building will be let about March. Supervising Architect **Jas. K. Taylor**, Treasury Dept., Washington, D. C., has about completed plans.

NILES.—Citizens have voted \$55,000 bonds for erection of school and additions to other schools. **Thos. Hannah**, Kessan Bldg., Pittsburg, Pa., Architect.

TOLEDO.—**H. H. Warner** and **Frank McCalla** will erect \$7,000 business block on Fassett St.

WARREN.—**Zion Reformed Church** has secured site on East Market St.; church will be erected.

YOUNGSTOWN.—**Baltimore & Ohio Railroad** will begin building proposed freight station which will be located east of the Market St. bridge next spring. Plans prepared.

OKLAHOMA

MUSKOGEE.—Architect **J. W. Gaddis**, Vincennes, Ind., has prepared plans for erection of \$20,000 edifice at Houston and F Sts. for **First M. E. Church**.

NORMAN.—**First Presbyterian Church** is considering erection of \$50,000 edifice.

OREGON

EUGENE.—**Methodist Congregation** is planning to erect \$70,000 edifice on **Willamette St.** **Rev. H. S. Wilkinson**, Pastor.

GRANT'S PASS.—**Commercial Club** will erect three-story home.

PORTLAND.—Architects **Straw and Atherton** are preparing plans and specifications for \$7,000 two-story frame building, with full cement basement, to be built at corner of Twenty-fourth and Alberta Sts., for **C. A. Haulenbeck**.

PORTLAND.—**Morgan, Fleidner & Boyce** will at once erect \$70,000 apartment house at Eleventh and Clay Sts.

PORTLAND.—**Excelsior Fence Works**, Spokane, Wash., will at once erect \$20,000 factory at Twenty-second and Pettygrove Sts.

SPRINGFIELD.—Plans are being drawn by **J. R. Ford**, Architect, Eugene, for business block to be erected by **George Perkins** and **Welby Stevens**.

PENNSYLVANIA

ASHLAND.—**H. D. Dagit**, 411 Walnut St., is planning two-story brick and frame parochial school to be built for **St. Joseph's Roman Catholic Church**.

BETHLEHEM.—**School Board** has authorized employment of an expert architect to draw plans for **High School annex** to present **Franklin building**.

DARBY.—Architect **Charles E. Oelschlager**, Harrison Bldg., Philadelphia, has completed plans for \$25,000 moving picture and vaudeville theater to be erected on Main St. for **Darby Amusement Co.**

HANOVER.—**Herman Miller**, Architect, Crozer Bldg., Philadelphia, has completed plans for two \$50,000 residences for **C. M. Myers** and **H. D. Shephard**.

HARRISBURG.—**First M. E. Church** will erect proposed edifice at Fourth and Pine Sts.

HARRISBURG.—Plans are being completed by **Homer Simonetti**, Second and Chestnut Sts., for erection of three-story stone and apartment building.

PHILADELPHIA.—Architects **McIlvaine & Roberts**, Land Title Bldg., are designing \$10,000 residence at **Wynnewood** for **Percy E. Mathis**.

Architect **E. Allen Wilson**, Land Title Bldg., has completed plans for apartment house, Fifty-second St. and Willows Ave., for **A. Sannenfeld**.

PHILADELPHIA.—Architect **Charles E. Oelschlager**, Harrison Bldg., has completed plans for \$25,000 moving picture and vaudeville theater to be erected on Main St., Darby, for **Darby Amusement Company**.

Architect **E. Allen Wilson**, Land Title Bldg., has finished plans for ten three-story houses at **Magnolia** and **Clifton Aves.**, Aldan, for **William C. Samuel**.

Frankford Ave. M. E. Church will erect \$50,000 edifice in spring at **Frankford Ave.** and **Foulkrod St.** **Rev. W. E. P. Haas**, pastor.

PHILADELPHIA.—**Benjamin F. Miller** will expend \$10,000 in improving building on Third St. **Sauer & Hahn**, 1112 Chestnut St., Architects.

PHILADELPHIA.—Architect **E. Allen Wilson**, Land Title Bldg., has completed plans for a three-story flat house for the **Consolidated Co.** at Fifty-fifth St. and **Baltimore Ave.**

PHILADELPHIA.—Architect **D. K. Boyd**, Fifteenth and Walnut Sts., will prepare plans for erection of \$50,000 **Carnegie Library** building at Fifth and Ellsworth Sts.

Architects **Pilcher & Tachau**, 109 Lexington Ave., New York, have been commissioned to prepare plans for first of group of buildings for **Dropsie College** of Hebrew and Colnate Learning, on Broad St., corner of York St.

PHILADELPHIA.—Architect **Walter Smedley**, Girard Bldg., has been commissioned to prepare plans for seven-story \$100,000 commercial building at 623 to 627 Arch St. for **Tracey, Morris & Co.**

Architects **Watson & Huckel**, 1211 Walnut St., are designing three-story stone and frame dwelling at **Wyoming Ave.** and **Asylum Pike** for **Thomas Duff**.

PITTSBURG.—Architects **Palmer & Hornbostel**, Empire Bldg., and **D. A. Crone**, 7 Wood St., associated, have prepared plans for erection of residences on **Northumberland Ave.** for **Nathaniel Spear** and **W. B. Clee**.

READING.—**Trustees of Reading Library** have adopted plans for erection of proposed \$100,000 **Carnegie Library**.

READING.—Architect **Otto C. Wolf** is designing a \$60,000 addition to brewing plant of **P. Barber & Son**.

SHAMOKIN.—**Trevorton United Evangelical Church** is considering erection of addition to edifice.

SOUTH SHARON.—**American Sheet and Tin Co.** will erect four additional mills in early spring.

STEELTON.—**First Methodist Church** will at once select site for erection of edifice.

WILKES-BARRE.—**Pettebone & Ireland**, Second National Bank Bldg., are preparing plans for erection of fifteen-story apartment house at **N. Franklin** and **Union Sts.**

WILLIAMSPORT.—**South Williamsport Board of Education** is considering plans submitted by Architects **T. J. Litzelman**, Fourth & Laurel Sts., and **Mahlon Fisher**, **Jameson Block**, for new high school and additions to **Mountain Ave.** building.

SOUTH CAROLINA

CHARLESTON.—Bids will be received by Board of Visitors of the Citadel until noon, Jan. 9, for erection of three-story brick quarters and armory. **Todd & Benson**, Exchange Bank Bldg., Architects. **C. S. Godsden**, Chairman, Board.

WALTERBORO.—Committee, **E. T. H. Shaffer**, Chairman, is interested in proposed erection of thirty-room hotel.

TENNESSEE

KNOXVILLE.—**United Brethren** will erect \$15,000 edifice for members of **Forestdale Church**.

TEXAS

BEEVILLE.—Bids will be received until Jan. 9 by Commissioners' Court for erection of court house. **Stephenson & Heldenfels**, city, Architects.

CORPUS CHRISTI.—**Ira T. Jones** is considering erection of building.

MARLIN.—**J. W. Torbett** and **T. A. Cheeves** are now receiving bids for erection of the new sanatorium to take place of former **Bethesda Bath House**.

SAN ANTONIO.—Architect **Leo M. J. Dielmann** has prepared plans for erection of \$25,000 apartment house on **Navarro St.** for **Paul Meerscheidt** and **F. Reutzel**.

SHERMAN.—**Sherman Camp**, No. 9, **Woodmen of the World**, is considering erection of home. Site purchased. **C. A. Walcott**, Consul Commander.

Otis Elevator Company

Calls Attention to the ESCALATOR (Moving Stairway) Installation in the New Pennsylvania Terminal, New York City.

This modern equipment effectually solves the problem of elevating large numbers of people from lower to upper levels. The ESCALATOR has a capacity of elevating twelve thousand persons per hour, safely, conveniently and without crowding.

The rapidly growing demand for ESCALATORS is one of the most interesting phases of transportation development to-day, promising for this safe and practical equipment a place of first importance among historic public utility inventions.

In addition to the Escalator, the Eleven Electric Traction Passenger Elevators and Six Electric Dumbwaiters were also designed and installed by this Company.

OTIS ELEVATOR COMPANY

17 BATTERY PLACE, NEW YORK CITY

Offices in All Principal Cities of the World.

WASHINGTON

ABERDEEN.—Mrs. M. M. Bacon and S. McClymont will erect \$25,000 apartment house at Broadway and Third St.

PULLMAN.—Commercial Club will erect two-story building on Main St. J. N. Emmerson, chairman committee.

SPOKANE.—Metaline Falls Trust & Savings Bank will erect building at Metaline Falls. Plans prepared. Lewis P. Larsen, Jens Jensen and Maurice Lindholm are interested.

SPOKANE.—Ross Investment, 826 Paulson Bldg., is considering erection of business block at Sprague and Lincoln Sts.

TACOMA.—Equitable Savings and Loan Association is considering erection of office building. F. McKercher, Portland, Secretary.

WEST VIRGINIA

HUNTINGTON.—Consolidated Realty Co. will at once erect three-story building at Fifth Ave. and Ninth St.

HUNTINGTON.—First M. E. Church is considering erection of edifice on Fifth Ave.

WISCONSIN

MILWAUKEE.—Architect H. W. Buemming, 521 Jackson St., has prepared plans for erection of large residence and garage at Highland Boulevard and Thirty-ninth St. for Geo. Weinhausen.

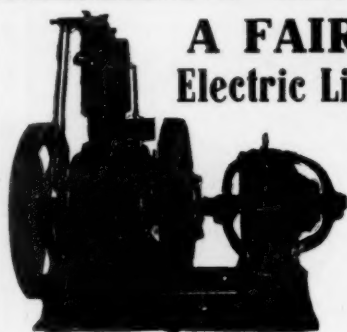
MILWAUKEE.—Plans for twelve apartment buildings to be located on Fourth St., between Walnut and Galena Sts., have been completed by Architects Leiser & Holst, Germania Bldg.

Plans for a new moving picture house, to be located at Eleventh and Greenfield Aves., are being drawn for O. Brown by Architect P. M. Christiansen, 983 Howell Ave.

STEVENS POINT.—Bids will be received by James Knox Taylor, Supervising Architect, Treasury Department, Washington, D. C., until 3 p. m., Jan. 25, for construction complete of proposed post office.

SUPERIOR.—Architect C. W. Knapp, Chicago, will prepare plans for erection of proposed Broadway Theater.

Architect Howard Thomas has prepared plans for erection of two-story office building on Tower Ave.



A FAIRBANKS Electric Lighting Outfit

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Every architect in the country should be fully conversant with the Dean Window and should specify it on their good work. Clients will appreciate the clause, "DEAN WINDOWS TO BE USED THROUGHOUT." NO EXTRA DETAILING necessary, as they fit in ordinary frames.

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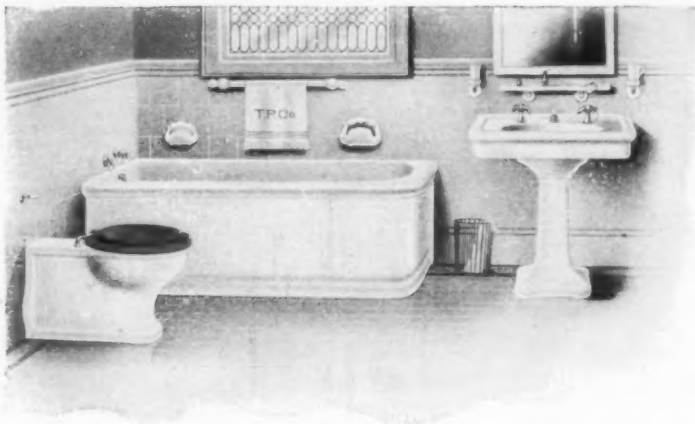
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The rate for advertising under this heading in uniform style, solid type, is 50 cents for 50 words or less, payable in advance. Copy received until 12 m. Monday.

TECHNICAL GRADUATE, wide experience in engineering and construction end of architecture; capacity for thoroughness in details, specifications and contracts, good executive, desires responsible position with architect or contractor. Address 18C, care American Architect.

(1818 & T. F.)

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ARCHITECTURAL and Ornamental Iron draftsmen needed constantly; salaries \$18 to \$35 per week. The Engineering Agency, Inc., Monadnock Block, Chicago.

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WANTED at Once—A first-class Architectural Draughtsman of steady habits, good on construction, working plans and details for general run of work. Steady employment if services prove satisfactory. Apply to Foeller & Schober, Green Bay, Wis. Give reference and experience, and state salary expected.

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The rate for advertising under this heading is \$1.80 an inch. **Remittance should accompany copy.** Copy received until 12 m. Monday.

BUSINESS PROPERTY TO LET.

An up-to-date Real Estate Office wishes to rent a deskroom to an Architect. Harft, 58 East 8th St.

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(1827-28)

PROPOSALS

The rate for advertising under this heading is 15 cents a line, with a minimum of five lines. About 7 words make a line. Copy received until 12 m. Monday.

NOTICE TO CONTRACTORS

NEW YORK STATE EDUCATION BUILDING

Sealed proposals will be received by the Secretary of the Trustees of Public Buildings in the Executive Chamber, the Capitol, Albany, N. Y., up to 12 o'clock Noon, January 24th, 1911, for: (1) The Electric Lighting Fixtures, (2) The Metal Book Stacks and Metal Cases, (3) The Wood Book Cases, (4) The Electric Wiring for Book Stacks and Book Cases and Extension to Existing Plant, (5) The Elevators and Book Lifts,

(6) The Glazed Grilles and Miscellaneous Ornamental Iron and Bronze Items, and (7) The Interior Decoration, for the New York State Education Building, situated on the north side of Washington Avenue, extending from Hawk Street to Swan Street, in the City of Albany, N. Y., and opened publicly by the Trustees of Public Buildings in the Executive Chamber. A separate and distinct proposal is required for each of the seven items of work for which proposals will be received. Each proposal shall be accompanied by a certified check or cash deposit to the amount of 5 per cent. of the amount of the proposal. The Trustees of Public Buildings reserve the right to reject any or all proposals received if they consider it to the best interests of the State to do so. The Surety required to guarantee the faithful performance of the work will be one or more bonds executed by one or more guarantee or surety companies aggregating in amount 50 per cent. of the amount of the contract. The bond or bonds shall be executed within thirty (30) days from the date of award of the contract. If the surety or sureties shall not execute the bond or bonds, or if the sureties offered by the contractor are not approved by the Trustees of Public Buildings, and other sureties are not provided acceptable to the Trustees of Public Buildings, the contractor will be considered as having abandoned his bid. In event of such default on the part of the contractor, the deposit made by him shall be forfeited and retained by the State of New York as liquidated damages because of such default; the notice of award will be deemed cancelled, and the State will be under no obligation to pay the contractor for any work done and performed by him.

Contractors submitting proposals for Metal Book Stacks and Metal Cases are required to erect in the New York State Education Building a sample stack, which sample is to be delivered and erected at or before the time fixed for the receipt of the proposals.

Contractors submitting proposals for Electric Lighting Fixtures are required to deliver certain sample fixtures at the office of the Architects, Palmer & Hornbostel, at the corner of Washington Avenue and Hawk Street, Albany, N. Y., at or before the time fixed for the receipt of the proposals.

On and after December 20, 1910, the drawings and specifications, the form of contract, the bond, and blank forms for proposals, may be obtained at the office of the Architects, Palmer & Hornbostel, No. 63 William Street, New York, N. Y. One set of drawings, specifications, etc., will be furnished contractors intending to submit proposals for any one of the seven items of work on application to the Architects and upon payment of a deposit of \$500.00, this deposit to be forfeited if the drawings and specifications are not returned to the Architects in good order before February 15, 1911. Additional copies will be furnished upon the payment by the contractor of the net cost of the same. Plans and specifications will be supplied the sub-contractors wishing to submit to contractors figures for the various departments of work, upon reasonable notice to the Architects and payment of the net cost of the plans and specifications required.

By order of the Trustees of Public Buildings.

FRANKLIN B. WARE,
State Architect,
The Capitol, Albany, N. Y.
(1826-27)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 16, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 25th day of January, 1911, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the United States Post Office at Stevens Point, Wisconsin, in accordance with drawings and specifications, copies of which may be obtained from the custodian of site at Stevens Point, Wisconsin, or at this office, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1827-28)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 17, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 21st day of January, 1911, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of the United States Post Office and Court House at Bowling Green, Kentucky, in accordance with the drawings and specification, copies of which may be had from the custodian of site at Bowling Green, Ky., or at this office, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1827-28)

Treasury Department, Office of the Supervising Architect, Washington, D. C., December 15, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 26th day of January, 1911, and then

opened, for the construction, complete (including plumbing, gas piping, heating apparatus, and electric conduits and wiring), of the United States Post Office at Independence, Kansas, in accordance with drawings and specifications, copies of which may be obtained from the custodian of site at Independence, Kansas, or at this office, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1827-28)

COMPETITION FOR NORTHWESTERN UNIVERSITY, CHICAGO-EVANSTON, ILLINOIS.

The Trustees of Northwestern University have appointed a Committee with power to procure a general plan for its campus at Evanston and to appoint an architect for buildings now projected, at a cost of \$350,000.00. This the Committee will do through a competition which has been approved by the American Institute of Architects through its Illinois Chapter, and will be conducted by Professor Warren P. Laird. It will be restricted to twelve architects, of whom four have been especially invited, while eight will be selected from the open field. To the former, and those three among the latter rated by the jury as best, will be paid each a fee of \$500.00 and traveling expenses incurred in an inspection of the site; such fee, in the case of the appointed architect, to apply on account of his fee as architect of the work. The jury will consist of the advisor and two other architects chosen by the competitors from among five or more nominees selected by the advisor. The appointed architect will receive \$1,000.00 for the use of his general plan in addition to the fee of 6 per cent. on the work. The competition will close April 15th, 1911; the official program will be issued about January 20th, 1911, but advance copies may now be had on application. Architects desiring to take part are requested to make application not later than Jan. 14th, 1911. All communications are to be addressed to Warren P. Laird, Architectural Adviser, University of Pennsylvania, Philadelphia, Pa. (1827-28-29)

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 28, 1910.

Sealed proposals will be received at this office until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including increased water supply, sewage disposal plant, power plant, elevator, heating, ventilating, plumbing and electric wiring complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications, copies of which can be obtained at the office of the County Commissioners, on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of the bids on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications. The right is reserved to reject any or all bids.

By direction of the County Commissioners.

CHAS. T. STRAUGHN,
County Controller.
(1827)

OFFICE OF THE COUNTY CONTROLLER OF SCHUYLKILL COUNTY.

Pottsville, Pa., November 30th, 1910.

Sealed proposals will be received at this office until 12 o'clock Noon, on the 17th day of January, 1911, and then opened, for general contract, including masonry, carpentry, iron and steel, ornamental iron, roofing, painting, fire-proofing, plastering, etc., labor and materials complete, for the construction of a building for the Insane at Schuylkill Haven, Pennsylvania, in accordance with the drawings and specifications, copies of which may be obtained at the office of the County Commissioners on and after 10 A. M., December 16th, 1910.

In order that plans and specifications may be available on December 16th, 1910, those desiring to estimate will file their names and addresses, with certified check for \$30.00, at the office of the County Commissioners, on or before 10 A. M., December 9th, 1910. Plans and specifications can be obtained on six days' notice at any time before the opening of the bids on payment of \$30.00. This amount is to cover the actual cost of printing the plans and specifications, and will be returned to the bidder on the return of his plans and specifications. The right is reserved to reject any or all bids.

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CHAS. T. STRAUGHN,
County Controller.
(1827)

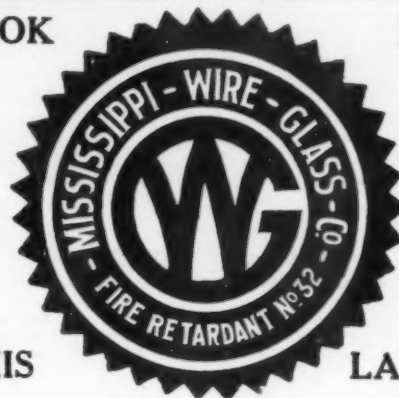
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Good tin knows no locality or climate. It is as well suited to the heat and rainfall of the South, as to the cold and snows of the North. Extremes of climate and severe weather conditions only serve to bring out the superiority of the old-time, heavily-coated, hand-made tin that we furnish in this well known brand.

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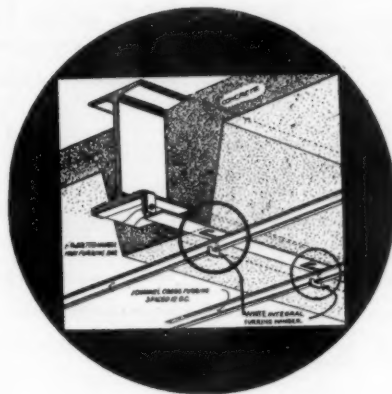
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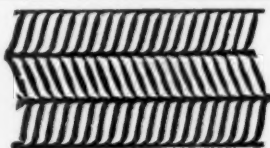
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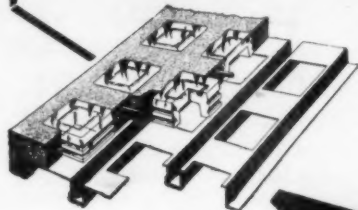
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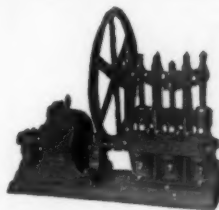
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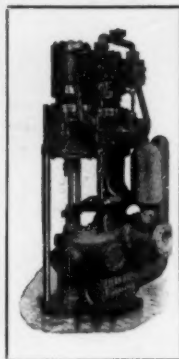
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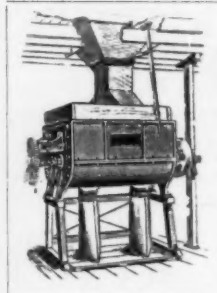
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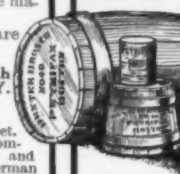
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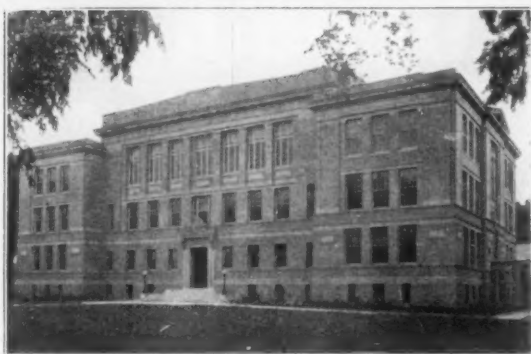
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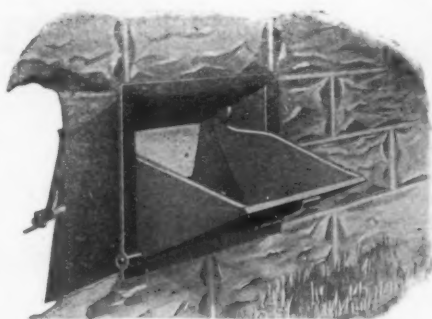


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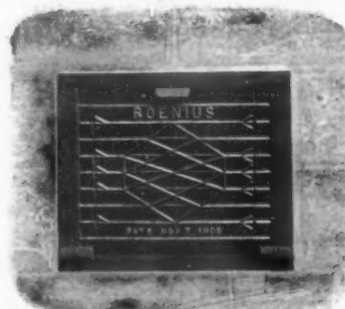
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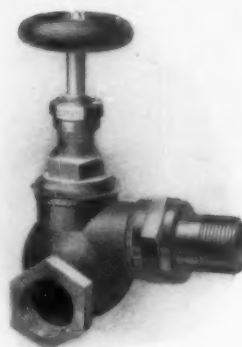
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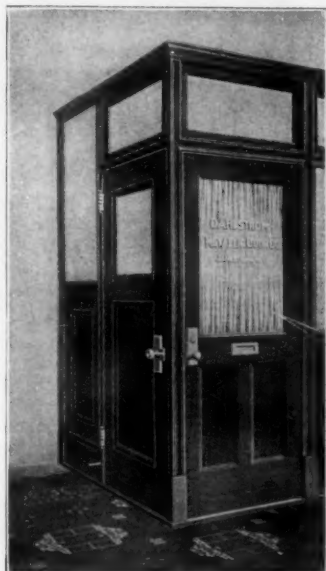
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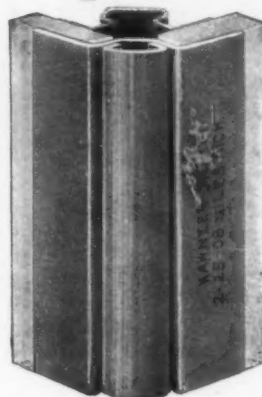
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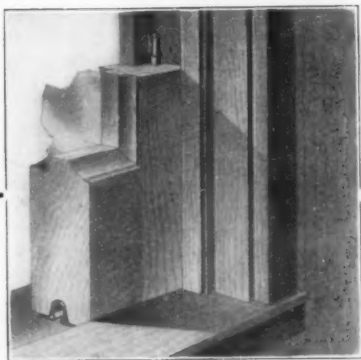
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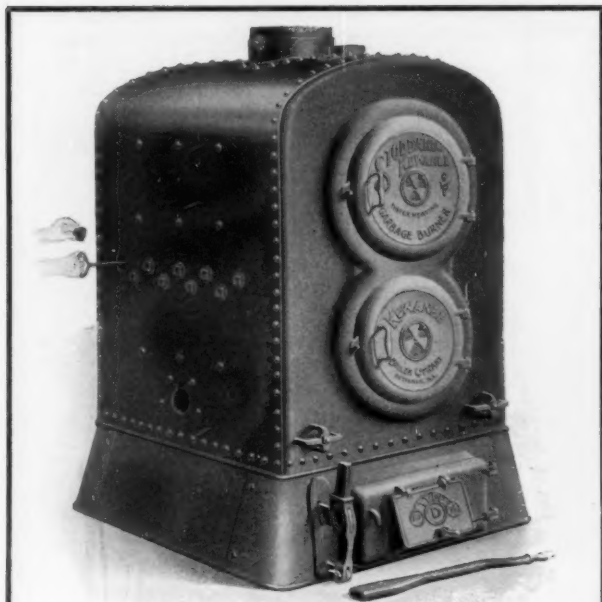
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CHICAGO ST. LOUIS KANSAS CITY

A NEW IDEA

Slate Siding

That is **Slate** Shingles for covering sides of buildings—a **Slate** especially planned by us for this particular use as to color, dimension and required strength. Size, 28" by 10" by $\frac{1}{4}$ ", with 13" exposure; nail holes drilled and countersunk.

COLORS: made of our beautiful **Unfading Green**, growing greener with age; our rich **Royal Purple**; our unique **Unfading Mottled Purple and Green**; our **Variegated Green and Purple**; our terra cotta **Red** as well as our **Grand Central Blue Black**, thus affording a variety of color effects to choose from—colors that harmonize with natural surroundings.

SIZE AND EXPOSURE is made for a "long to the weather" effect, representing the old colonial shingle as used years ago, thereby obtaining an effect decidedly differing from the roof slate appearance as also one that is most appropriate for this purpose.

BEAUTY, UTILITY AND STABILITY are combined to perfection in this siding. It includes the most beautiful natural color effects, requiring no painting or other expense to maintain its fresh appearance, thereby making a siding actually of less cost than wood.

SPECIFY the E. J. JOHNSON production $\frac{1}{4}$ " thick to obtain the perfect results we have worked out in this idea.

E. J. JOHNSON

38 PARK ROW NEW YORK

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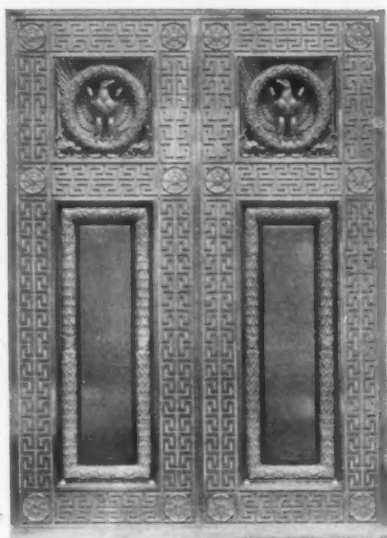
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BLACK, GREEN, PURPLE, RED

SLATE BLACKBOARDS

STRUCTURAL SLATE

Booklet and samples on application.



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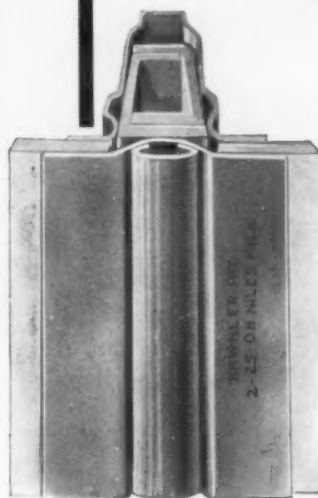
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MANTELS ANDIRONS TILES

Foundries and Shops, 229-239 W. 28th St.

THIS IS THE DIVISION BAR



That is steel re-inforced yet affords the same spring friction grip as the Corner Bar (See page 29).

Two interlocking steel channels are built in this bar in such a manner that they do not come in direct contact with the glass, nor are they exposed, subject to rust and an unsightly appearance. Notice the back spring that grips the glass and entirely covers the steel channel.

Kawneer System
of Store Fronts

This bar is only one part of a complete Kawneer Construction.

Send for our new 1911 Booklet No. 3. It contains a plain description of the Kawneer System.

See Pages 27 and 29

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Branch Offices in all large Cities.

Statue of Angel Moroni on Mormon Temple,
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The Perfect Equipment

of the Mullins factory, together with the skill and experience of the Mullins artisans, makes the great line of

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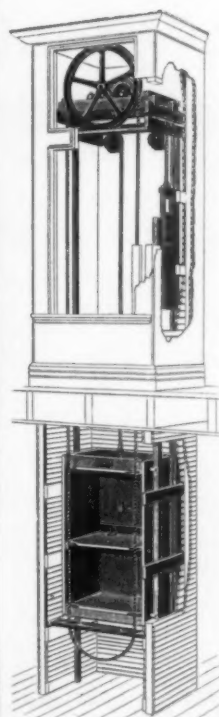
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Catalogue on Request

Testing White Lead



IF YOU have decided in your mind that pure white lead and linseed oil make the best paint the next point to clear up is how to know a pure white lead when you see it.

Pure white lead is made from metallic lead and by means of a blow-pipe every bit of it can be changed back to metallic lead. You cannot do this with adulterated white lead.

The Dutch Boy Painter trade-mark is also a sign of purity. White lead bearing this trade-mark stands the blow-pipe test and weather and time tests, too.



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(John T. Lewis & Bros. Company, Philadelphia)

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Every piece is tested under 200 pounds hydraulic pressure.

Mueller Colonial Self-Closing work under a mechanical device, was opened and closed 699,000 times in a continuous run of 466 hours, water passing through the cock each time as in service. There was but little visible wear on the working parts. The test equalled 20 years, actual service.

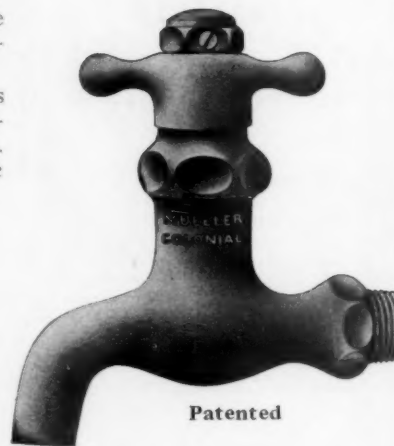
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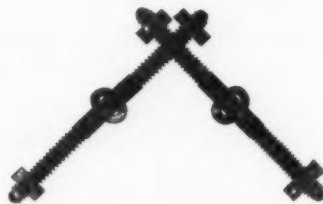
He uses

Morse Steel Wall Ties
Rutty Steel Wall Plugs
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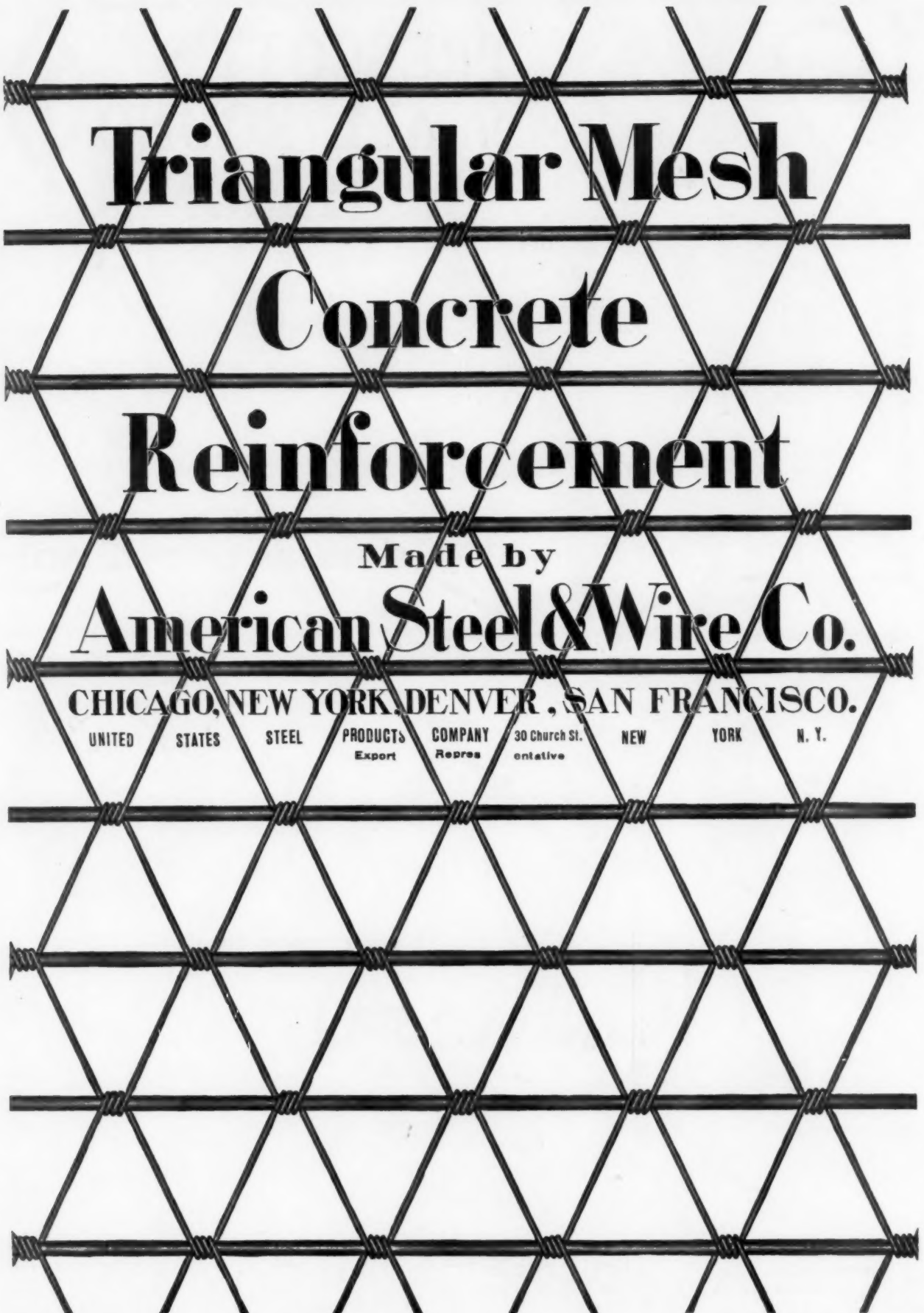
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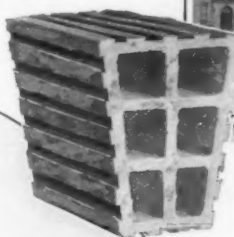
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THE KEWANEE SYSTEM OF WATER SUPPLY



Perfect Water Supply Service

The residences and bungalows illustrated on this page are provided with all the sanitary conveniences which would be possible with a good water supply service. In each, a liberal supply of running water is available at all plumbing fixtures and outside connections; and that supply has strong pressure behind it. This splendid water supply service is furnished by—



Residence of R. J. Bagby, New Haven, Mo.

The Kewanee System of Water Supply

In the Kewanee System, there is no attic or elevated tank to leak, freeze, overflow or collapse, or to mar the beauty of the scenery. Instead, a Kewanee Pneumatic Tank is placed in the **cellar** or buried in the **ground**. Water is pumped into this tank from any source of supply, with any good pumping power; and it is delivered to the fixtures by **air pressure**.

The Kewanee System is not an experiment—there are over 10,000 of our plants in successful operation. Every Kewanee System is thoroughly guaranteed—we take all the risk and responsibility.



Residence of Gen. H. O. Corbin. D. H. Burnham Co., Architects.

Mr. R. J. Bagby, whose residence is illustrated on this page, wrote: "The Kewanee System works perfectly and is satisfactory in every respect."

Rev. J. Wilbur Chapman, whose place is shown below says: "We are perfectly delighted with the Kewanee System which supplies our country house with water, and I wish again to thank you for sending me so fine an outfit."

Mr. B. M. Hord's compliment is this: "My Kewanee System is absolutely perfect."

Gen. H. O. Corbin said: "The Kewanee System works better than I thought possible—all like it very much."

Let us show you what we can do for **you**. We make no charge for our specifications and estimates. Our engineering department is at your service; and our broad practical experience will be of value to you.

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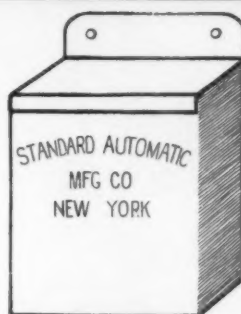


Rev. Dr. J. Wilbur Chapman, Winona Lake, Ind.



B. M. Hord, Nashville, Tenn.

Three Bungalows supplied with water by Kewanee Systems



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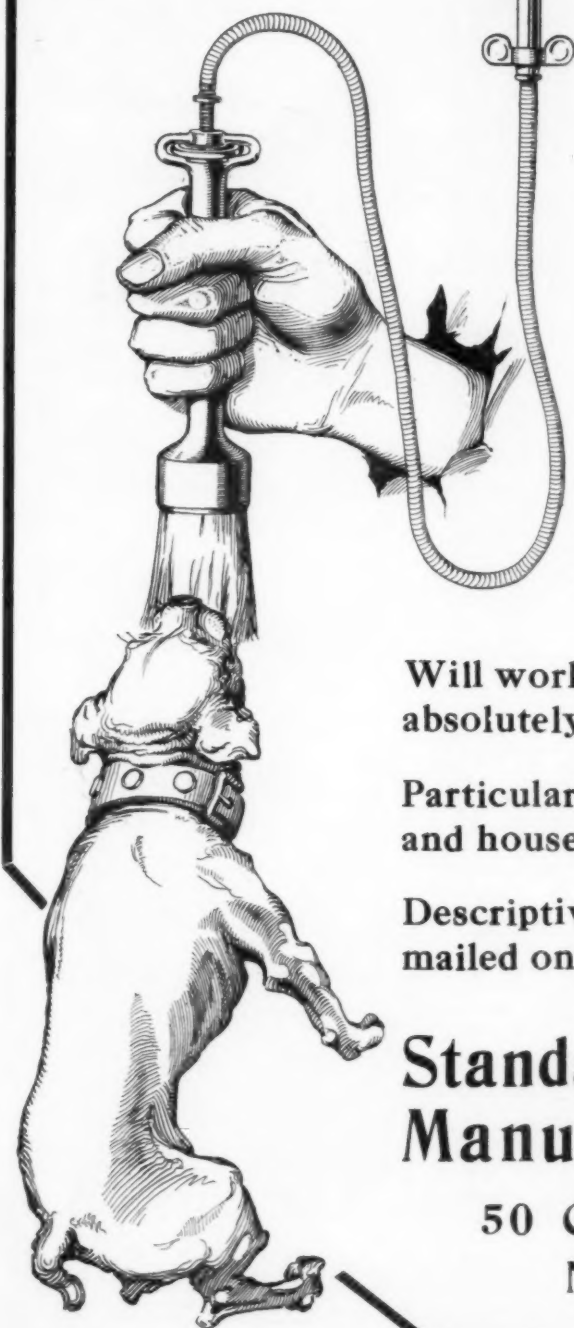
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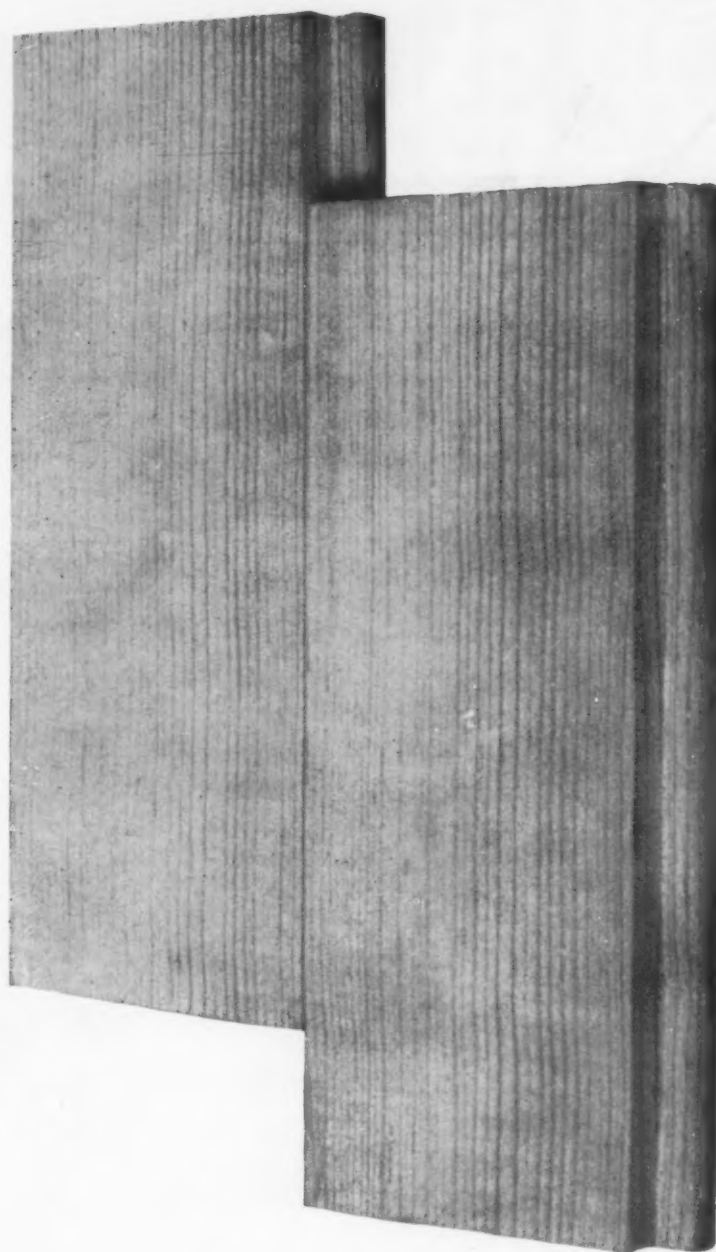
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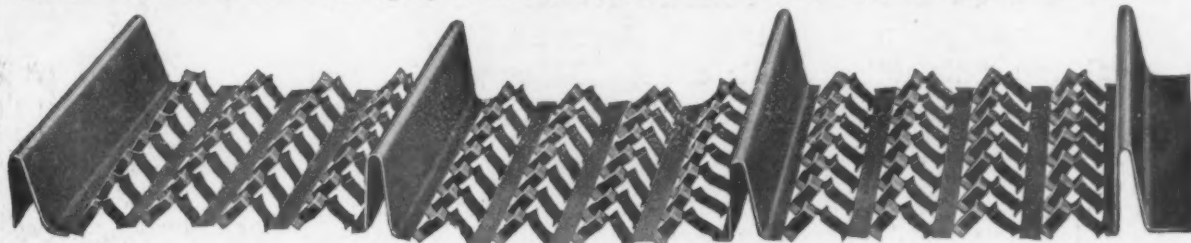
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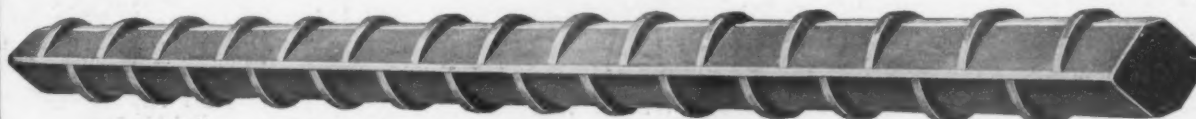
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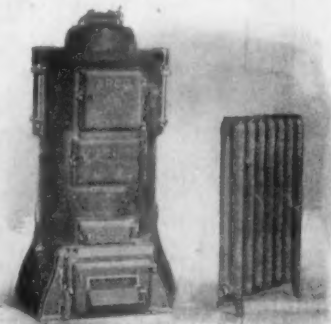


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