



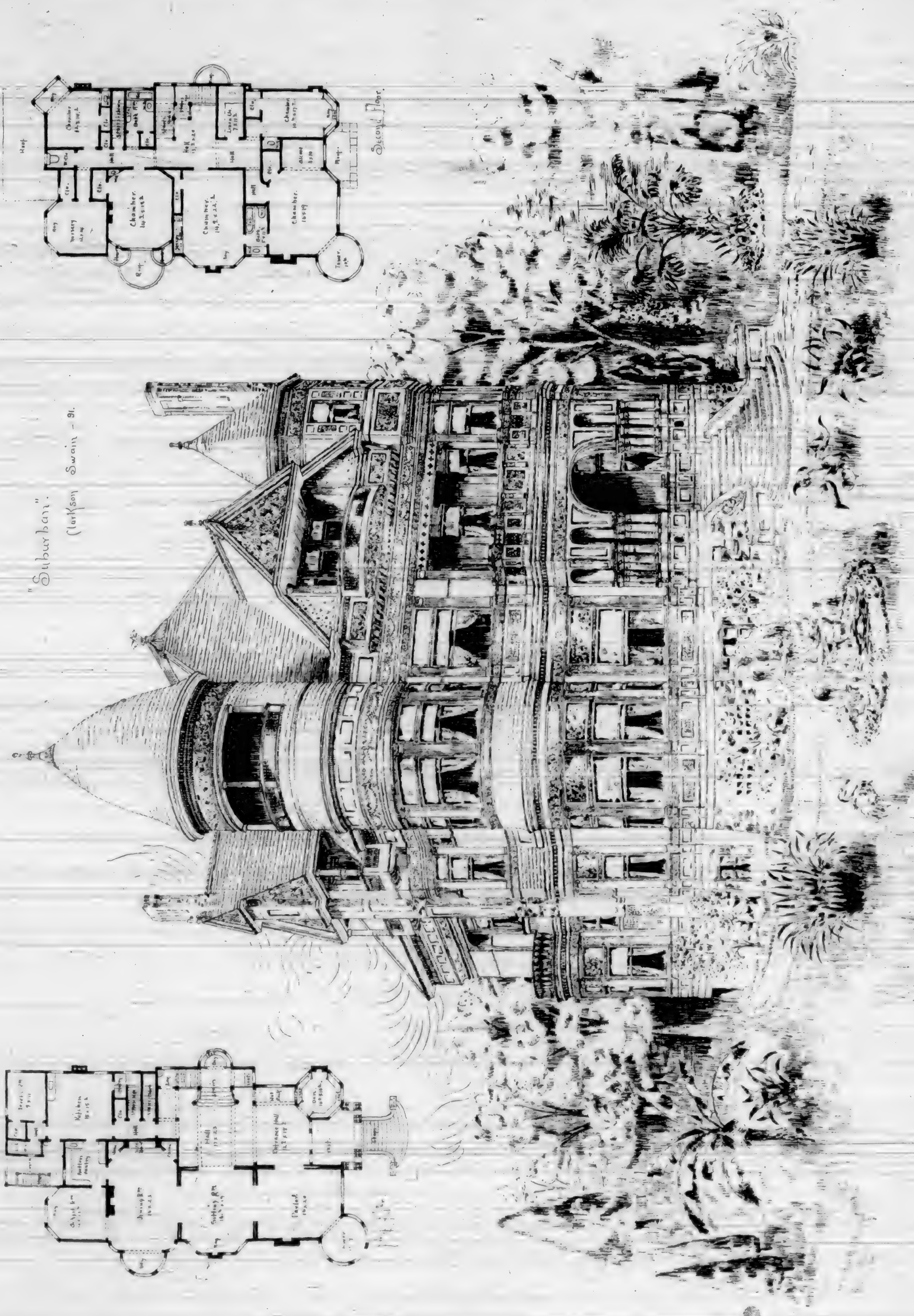
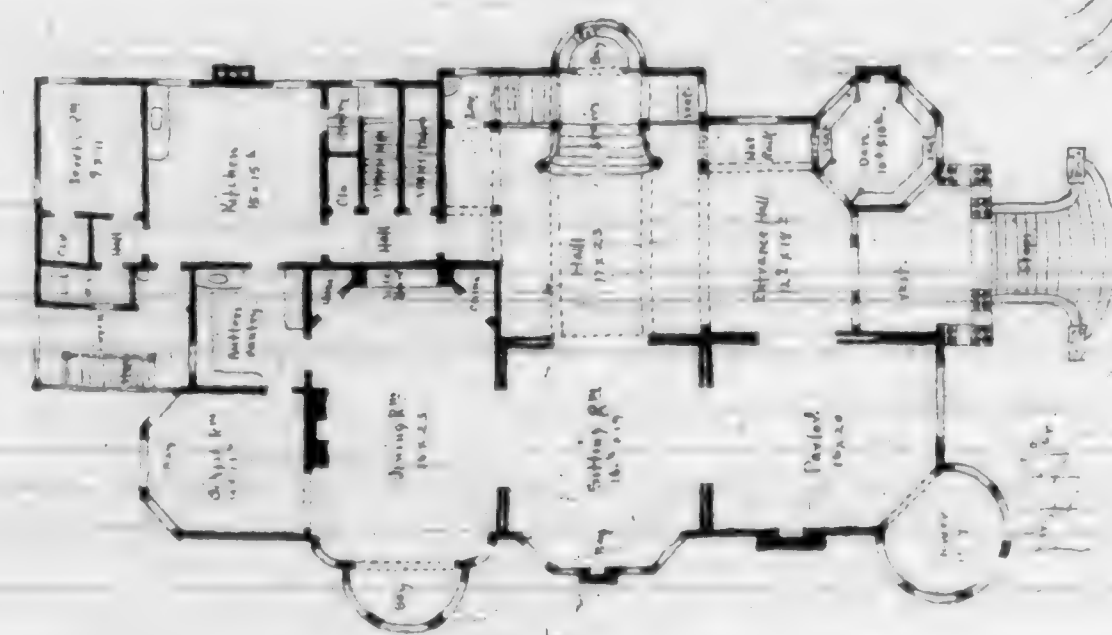
JUNE 1892.

THE CALIFORNIA ARCHITECT & BUILDING NEWS.

VOL. XIII. NO. 6.



"Suburban."
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BRITTON & REY PHOTO LITH.

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SAN FRANCISCO, CAL.



ARMATURE AND FIELD-MAGNET WINDING by Edward Frevert, illustrated, published by Bubier Publishing Co., Lynn, Mass., and for sale by Osborn & Alexander, 401 Market St., San Francisco, Cal. Price \$1.50, size 5x7 inches, 113 pages.

This is a new book full of practical working directions for armature and field-magnet winding for Dynamos and Motors, with descriptions of some apparatus made by leading manufacturers. The great experience and ability as an author enables him to give the directions which workmen so often need. The illustrations and descriptions are very clearly set forth, and in a manner to be readily understood. It covers the whole ground, and should be carefully read by all who would understand the subject to which it is devoted.

CENTRAL STATION MANAGEMENT AND FINANCE, by Horatio A. Foster and published by C. C. Shelley, New York, and for sale by Osborn & Alexander, 401 Market St., San Francisco, Cal. Price \$1.50. This is a work that deals with the question of station management in a practical manner to the end that electric lines of travel may be worked in an economical manner. A carefully formulated system is outlined, tables and blanks prepared with directions for keeping and making reports.

THE PAINTERS ENCYCLOPEDIA, by Franklin B. Gardner, published by M. T. Richardson, New York, and for sale by Osborn & Alexander, 401 Market street, San Francisco, Cal., price \$1.50, size 5x7 inches, 427 pages. As is indicated by its title, the book is a dictionary containing a large collection of valuable information. The author evidently knows what he is writing about, and every page contains matters of interest to those who are connected in any way with painting or color decoration.

This is a work which should find favor with students and practical men who have no time to wade through more extensive books.

THE WEEKLY POST INTELLIGENCER of Seattle, Wash., of June 9th, gives an account of the founding of the Territory and finally the State of Washington.

The current issue of **THE WEEKLY BULLETIN OF NEWSPAPER AND PERIODICAL LITERATURE**, published at 5 Somerset St., Boston, is twice its usual size, containing a classified index of 1300 articles from recent numbers of the periodical press.

The Bulletin catalogues the important articles in the leading daily and weekly papers and the monthly magazines of the United States and Canada, including **THE CALIFORNIA ARCHITECT AND BUILDING NEWS**. Its value to readers, writers, and students, is sufficiently indicated by its title, and, although still in its first volume, its success as evidenced by the current issue is a surprise to no one acquainted with its plan and purpose.

THE COSMOPOLITAN for June contains more than its usual quota of ideas relating to Art. The chapter on "Modern Life and the Artistic Sense," by Walter Crane, deals with architecture and art as represented in the great commercial centers of civilization at the present time.

LIPPINCOTT'S for June, contains among other articles, "The Struggle for the West," giving an account of the first settlement of Oregon.

THE ENGINEERING RECORD for May 28th, contains a detailed description and illustration of the construction of the conical roof of the Boston Chamber of Commerce Building. Also a description of the hot-water heating of a Hartford apartment house.

THE AMERICAN MICROSCOPICAL JOURNAL, has a chapter on "Plant Growth and the Terminal Bud".

NOTICE OF MEETINGS.

SAN FRANCISCO CHAPTER, AMERICAN INSTITUTE OF ARCHITECTS, meets second Friday of each month at 408 California street.

GEO. H. SANDERS, Pres.	OLIVER EVERETT, Vice-Pres.
H. T. BESTOR, Sec.	JOHN M. CURTIS, Tres.

TECHNICAL SOCIETY OF THE PACIFIC COAST, meets first Friday of each month at Academy of Sciences Building.

JOHN RICHARDS, Pres.	L. WAGONER, Vice-Pres.
OTTO VON GELDERN, Sec.	GEO. F. SCHILD, Tres.

CALIFORNIA ELECTRICAL SOCIETY, meets the first and third Monday evenings of each month at the Academy of Sciences Building.

GEO. P. LOW, Pres.	C. O. POOLE, Vice-Pres.
W. I. CROSETT, Sec.	O. BROOKS, Tres.

MASTER PAINTERS' ASSOCIATION OF THE PACIFIC COAST.

E. M. GALLAGHER, Pres.	H. G. JARMAN, Sec.
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At the June meeting of the San Francisco Chapter of the American Institute of Architects, Mr. Willis Polk was elected an active member.

It was decided to give a preliminary dinner as soon as the prize medals should be ready, and later in the season to have an exhibition when it is expected that the interests of the Architects will bring out a full showing to the public.

EFFECTIVENESS in design is that which secures admiration, or gives pleasure without effort at ostentation. This desirable effect may be attained by the breaking up of the sky-line, by heavy projections giving strong shadows, or the artistic irregularity of the plan.

The cottage may partake of the picturesque beauty in harmony with the site as well as the more pretentious mansion.

POPULAR TALKS ON LAW.

By Wm. C. Sprague.

WHEN IS A CONTRACT BY CORRESPONDANCE COMPLETE.

AS a first requisite to the forming of a valid contract, there must be a meeting of minds of the parties thereto. An offer can be revoked before its acceptance, but after the acceptance the offer becomes a promise. The time of acceptance of the offer is the moment of the meeting of minds. It is not a difficult thing to determine this moment in the case of contracts made in the presence of both parties, but the question becomes difficult and very important when the offer and acceptance are made by letter, telegram, messenger, or otherwise. At what moment is the contract consummated? Is it the moment of the posting of the answer, or the receipt of same? Is it the moment the message is started on its way or the moment it reaches and is thus communicated to the offerer? In general a communication of an acceptance is necessary to a forming of the contract. Is this essential requisite complied with when the party to whom the offer is made does all he can do to deliver his acceptance (whether it ever reaches its destination or not) or must the acceptance have reached its destination before it can have the effect of binding the parties?

It is now decided that the acceptance is made when the acceptor has done all that he can to communicate his intention. The moment then of despatch of acceptance is the moment the contract has its beginning and once having despatched the acceptance it is irrevocable. It is understood that one making an offer by letter is making that offer continuously during every instance of the time the letter is traveling, so that if the letter is delayed in transit, and on its receipt a letter is at once posted accepting the offer, the contract is complete, even tho' in the mean time the party offering may have sold the goods which were the basis of the offer. Suppose the letter of acceptance be lost and does not reach the party offering. Is there a contract? The logical result of the position that the contract is made when the acceptance is posted leads us to infer that the question demands an affirmative answer, and such is the law. The settled rule in our Courts is that the time of mailing the acceptance is the time the contract is complete, and that the subsequent fate of the letter is immaterial. This is so on the theory that the post office is the agent of the person who makes an offer by post, and the delivery of the letter to the agent of the person making the offer.

Suppose that a letter revoking the proposal is mailed before the acceptance is mailed, this does not affect the result unless the revocation is received before the acceptance is mailed. One in making a proposal may state it as a condition to the making of the contract that the notice of the acceptance be received in order to be binding. Many other interesting and important conditions arise, a treatment of which we postpone until our next.

The above article on Contracts is from the Collector Publishing Co.

It is stated that one out of every seven land owners in Great Britain is a woman.

High backed chairs the fac-simile of parliamentary chairs are used in halls; great oaken settles which lift up and in which can be stored away many odds and ends are also used.

EXPIRED PATENTS RELATING TO BUILDING.

E. G. Fethouson—Sash Fasteners.....	161,020
W. L. Potter—Step Ladder.....	161,059
J. E. Emerson—Handle for Cross Cut Saws.....	161,105
A. C. White—Mehed of Enameling Mouldings.....	161,187
W. Lohefsky—Method of Embossing Wood.....	161,290
J. A. Brown—Machine for Cutting Veneers (re-issue).....	6,341
C. H. Craig—Blind Fastener.....	161,329
W. Kreitzer—Window Sashes.....	161,342
D. C. Prescott—Saw Mill.....	161,523
J. Seade—Fastening for Bell Pulls.....	161,359
H. Winn—Door Locks.....	161,371
W. Baldwin—Combination Lock.....	161,375
C. Diebol—Tile Moulding Machine.....	161,391
T. M. Losie—Metallic Roofs.....	161,419
D. Moore—Hatch Indicating and Closing Apparatus.....	161,429
F. Schwamb—Cutter Head for Wood Working Machines.....	161,447
J. J. Curran—Lumber Drier.....	161,490
L. T. Scofield—Fire-proof Walls and Ceilings.....	161,356
L. T. Scofield—Fire-proof Walls and Ceilings.....	161,357
G. S. Young—Scroll Sawing Machines.....	161,585
G. S. Williams—Jig Saws.....	161,583

The above list of recently expired patents, relating to buildings, is supplied us by Alexander & Davis, Patent Attorneys of Washington, D. C. We have engaged this firm to supply us regularly with lists of expired patents relating to this line of inventions, and these lists will appear regularly hereafter, so that our readers will be kept promptly advised of the patents that become public property. Copies of these patents may be had of the above firm at the official cost (10 cts.) with postage added.

LEGAL DECISIONS.

From a large number of Legal Decisions of the higher Courts of the different States of the Union, we select and publish in this column, such as appear applicable to this section of the country.

AUTHORITY TO CREATE LIEN.—Where a vender advances money to his vendee, and, by written contract agrees to convey the land as soon as foundations for a house shall be constructed thereon by the vendee, and take a mortgage for the land and advances, the vendee has "authority," before the delivery of the deed to create liens on the land for labor and materials used in the construction of such house, under the statute, which provides that any person to whom a debt is due for labor or materials furnished and used in the erection of a building upon real estate, by virtue of an agreement with or consent of the owner, or any person having "authority" from or rightfully acting for such owner, shall have a lien upon the interest of the owner in the land.

Caren v. Stubbs, Supreme Judicial Court of Massachusetts, 30 N. E. Rep. 219, 133C.

ACTION ON LIEN AGAINST JOINT OWNERS.—When owners of adjoining lots jointly contract for the erection of one building upon the entire tract, they may be joined as defendants in a suit to foreclose a mechanic's lien on such building. Where the plaintiff in such an action dismisses as to one defendant and seeks to enforce his lien, proportionately reduced, as to the others, the latter will not be heard to complain of such apportionment.

C. B. Carter Lumber Co. v. Simpson, Supreme Court of Texas, 18 S. W. Rep. 812, 80C.

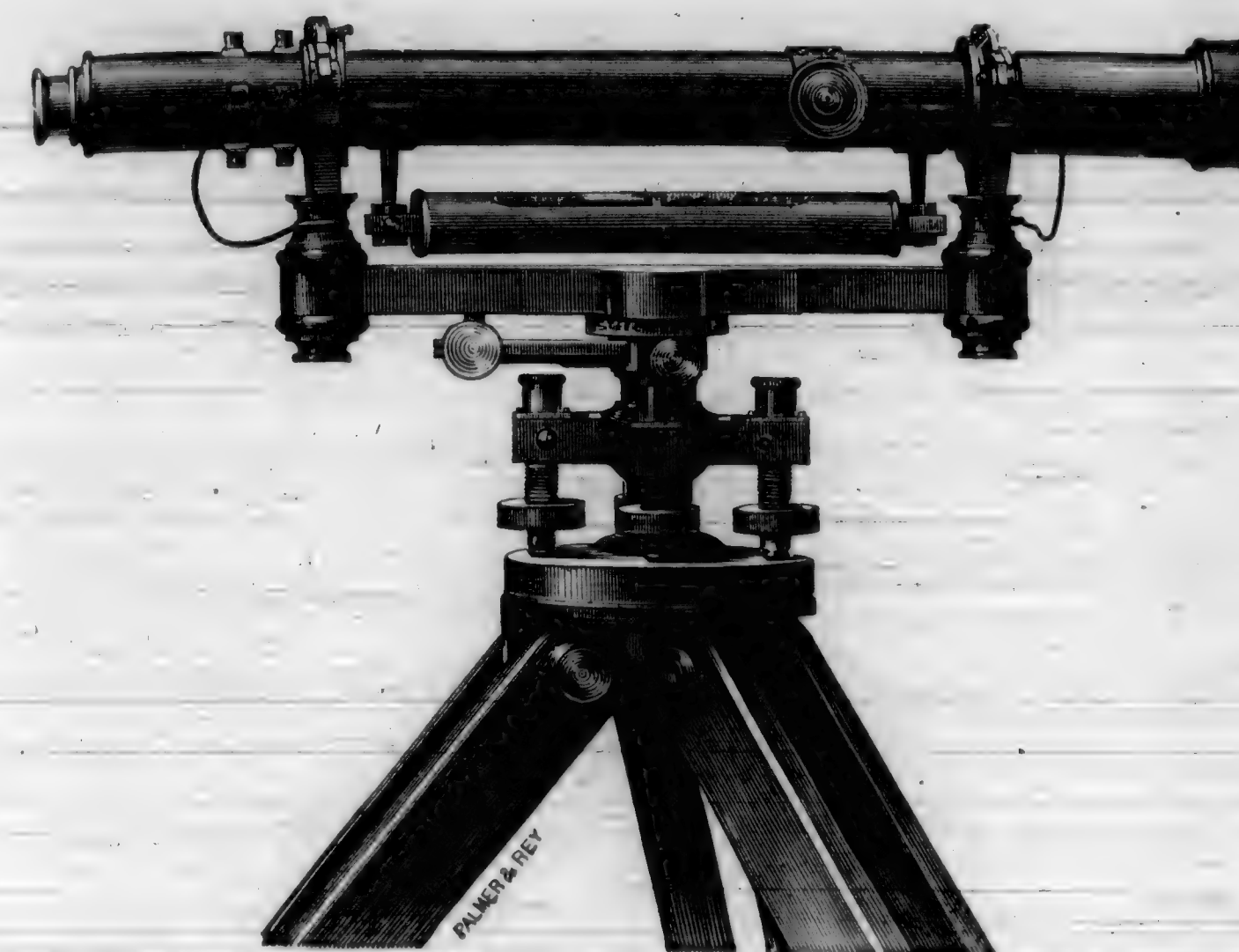
MATERIAL LIEN IN TEXAS.—Where a person enters into a contract with the owner of a building to furnish material for the building, and there is no middleman or other contractor intervening between them, he must be deemed an "original contractor," within Sayles, Civil St. art. 3165, allowing such a person four months within which to file a lien, and is not therefore, confined to the thirty days allowed a "day-laborer or other person" for that purpose. Where a person enters into a contract to furnish building material, and the amount of the material, as well as the times when it is to be delivered, is not fixed by the contract, but left to the needs of the party requiring it, the time at which the indebtedness occurs, and from which the four months begins to run, is the date of the sale and delivery of the last item.

Mathews v. Waggenhauser, Brewing Co., Supreme Court of Texas, 19 S. W. Rep. 150, 148C.

DAMAGES FROM FAILURE TO PERFORM CONTRACT.—In an action by a sub-contractor against a contractor for breach of contract in failing to have certain preliminary work done, thereby causing delay, and in refusing to allow plaintiff to perform a certain part of the work, loss of the profits which plaintiff might have made as a contractor, but for the delay, doing some other work, cannot be considered.

O'Connor v. Smith, Supreme Court of Texas, 19 S. W. Rep. 168, 68C.

BUSINESS MOSAICS.



ARCHITECTS' LEVEL.

The A. Lietz Co., at 422 Sacramento street, manufacture and keep on hand for sale Scientific Instruments of a superior quality. Upon a recent visit we noticed a very useful and convenient level to be attached to a measuring tape. A pocket instrument for taking the heights of rooms, buildings, trees, etc., cost \$15.00; also inclinometers, compasses, barometers, thermometers of all the best makers, and measuring tapes for engineers and architects. Wood rules with white celluloid scales from \$1.50 to \$3.00. We were shown a superior level for architects use with long telescope, also a new styleof level or transit made especially for architects' use. This instrument will set off 90 degrees or right angles on the plan, while the telescope can be used for getting or testing plumb lines. The cost is about \$150.00.

Todt & Peters, 53 Beal St., general house smiths, manufacture all kinds of wrought iron work for buildings.

The Gurney Hot Water Heater, J. J. Lawton & Co. Agents, 418 Fulton street of this city, is giving satisfaction wherever used. Architects will find this a very economical and practical apparatus for the purpose.

The Royal Metallic Paint as manufactured by the San Francisco Mineral Paint Co. of this city, has in many instances supplanted the other metallic paints. Painters who have used it recommend it highly on account of the "body" and ease with which it is applied. For farm buildings it seems to have no equal.

The Rapid Safety Filter in our office does its work admirably and has become a great favorite. Try one and you will not do without it.

Worthington Duplex Steam Pumps are suited for all kinds of work where pumps are required. The large hotels and boarding houses are most of them fitted with these pumps. For fire and elevator pumps in buildings they are unsurpassed. See advertisement page xvi.

The Hercules Gas Engine is the correct apparatus for running pumps, elevators, etc. Persons intending to use power in buildings should look into this matter.

The "Blount" Door Check.—This is a genuine Anti-Swear arrangement. Just try one and coincide with us. Try it you'll like it.

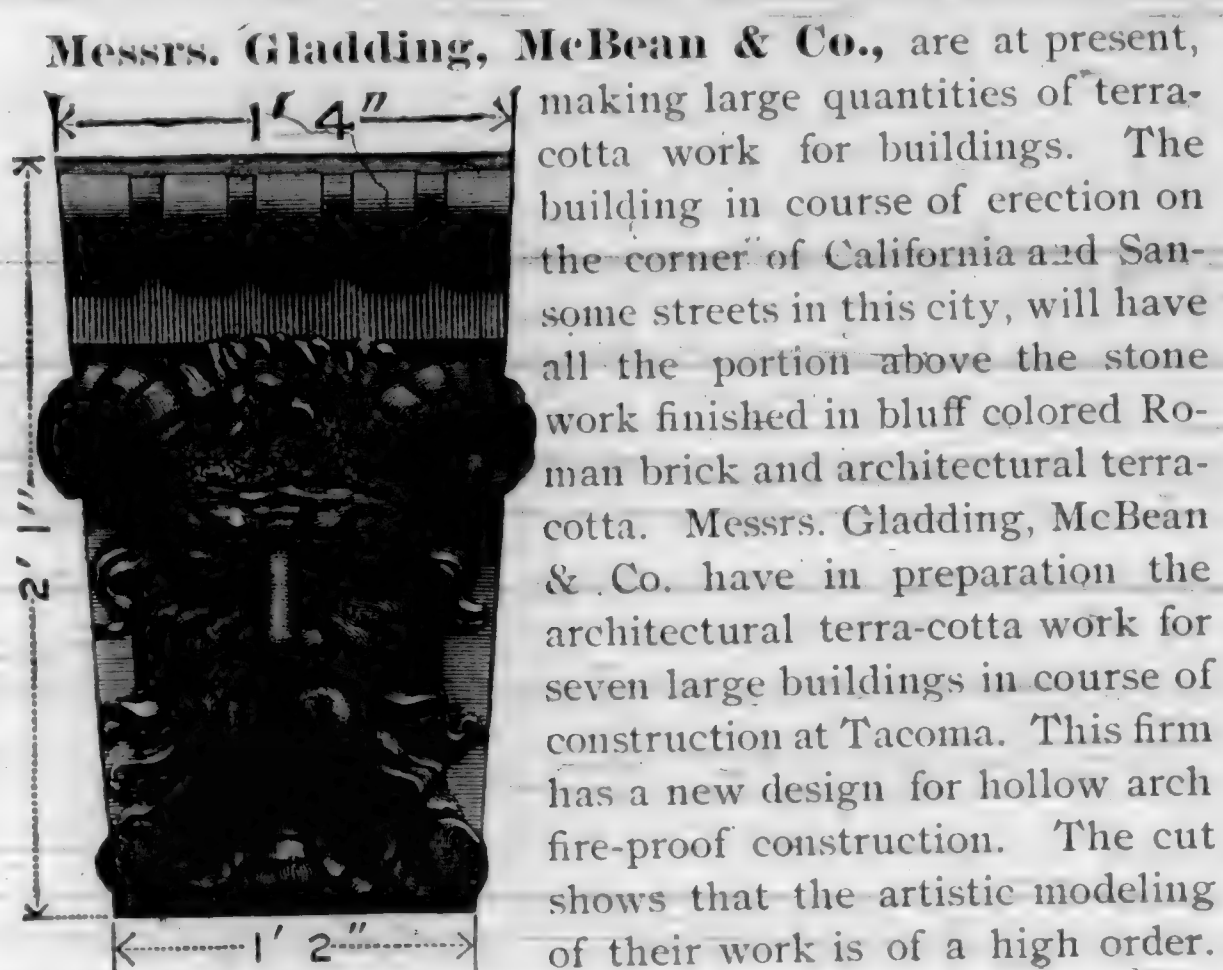
"What would you do if you were in my shoes?" asked Dull Times. "Black 'em, and then advertise in the CALIFORNIA ARCHITECT," replied Get There.

Clear money can be made by having your silver plating done at Denniston's.

The J. L. Mott Iron Works have issued a catalogue of designs for Fountains, ranging from the simple wall cup to elaborate monumental structures set off with emblematic sculptured figures for special situations. Parties who intend to put up either private or public fountains, will find it to their advantage to consult with this firm or their representatives. All the output from these works has an artistic value unsurpassed by any other manufactory in the country. See advertisement on page viii.



Copyright 1891 by "The J. L. Mott Iron Works".
FOUNTAIN.



Edward Denny & Co., 418 Montgomery street, of this city, have on hand a full line of Albert Levy's blue print papers. This firm also makes blue or black prints of drawings for Architects. Architects in the smaller towns will find it to their advantage to send their drawings to Messrs. Denny & Co. for copying. It is cheap and saves work.

The Gardner Sash Balance Co. are now using a ribbon of Aluminium bronze, which, being "wire rolled" is claimed as superior to anything in that line heretofore used. Chas. A. Hare, 54 Mission street of this city is the general agent. See advertisement on page vii.

The objection that everyone of acute artistic taste has long entertained to a glossy and varnished finish on paint has now become almost universal. The consequence is that paint with a dull, dead surface, or more frequently yet, a stain, is used on shingles or clapboards.

Such stains or paints, from the very fact that the surface is rough and therefore more easily wet in rain, are peculiarly liable to the strong chemical action of rain followed by sunlight, which results in blackening.

We notice often on modern stained houses the change of greens to black or dark gray. To avoid this the stain, whether bought or made by the painter, should contain no Prussian Blue. A drop of soda or potash lye will destroy the blue of a Prussian Green, doing in a moment what sun and rain will do in a few weeks.

But we often notice yellows and other light colors in dull surfaced paints and other stains, blacken badly on the overhanging and exposed positions. This is caused, *not by dust*, but by the use of ordinary linseed oil with a dryer. To avoid this, the oil has to be prepared by a slow process with air, which gives it the drying properties necessary without any tendency to blacken. We believe that the Creosote Stains are the only exterior coloring that contain linseed oil so prepared, and we know that they are the only exterior coloring that will not blacken.

Wire Lathing as furnished by the John A. Roebling's Sons Co., is a superior article for the purpose. This company manufactures wire of all kinds, such as is use for electric conductors, wire rope, etc., either of iron, steel, brass or copper.

TENDERS TO BE RECEIVED.

Treasury Department, Office Supervising Architect, Washington, D. C., June 2, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 1st day of July, 1892, and opened immediately thereafter, for all the labor and material required for the Approaches to the U. S. Court House and Post Office Building at Helena, Arkansas, in accordance with drawing and specification, copies of which may be had at this office or the office of the Superintendent at Helena, Ark.

Each bid must be accompanied by a certified check for a sum not less than 2 per cent. of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked, "Proposal for the Approaches to the U. S. Court House and Post Office Building at Helena, Arkansas," and addressed to

W. J. EDBROOKE,
Supervising Architect.

Treasury Department, Office Supervising Architect, Washington, D. C., June 13, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 20th day of July, 1892, and opened immediately thereafter, for all the labor and materials required to fix in place the low-pressure, return-circulation, steam heating and ventilating apparatus for the U. S. Custom House and Post Office building at Port Townsend, Washington, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Port Townsend, Washington.

Each bid must be accompanied by a certified check for a sum not less than 2 per cent. of the amount of the proposal.

The right is reserved to reject any and all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated, will be returned to the bidder.

Proposals must be enclosed in envelopes, sealed and marked, "Proposal for the Low Pressure, Return Circulation, Steam Heating and Ventilating Apparatus, etc., for the U. S. Custom House and Post Office Building at Port Townsend, Washington, and addressed to

W. J. EDBROOKE,
Supervising Architect.

CITY BUILDING NEWS.

Bagley Pl. near O'Farrell. Four-story brick building; owner, Jose Guardiola; architect, Clinton Day; contractor, Jno. T. Grant; cost, \$13,623; signed, May 11; filed, May 25; payments, \$1,500, 2d tier joists set and iron front interior columns set; \$2,500, roof on and skylight set; \$1,221, completed; \$1,800, 35 days.

Beaver near Castro. Two-story house; owner, P. J. Gorman; contractor, J. Schuler; cost, \$2,700; signed, April 23; filed, April 28; payments, \$800, frame up; \$800, brown coated; \$800, white coated; \$800, completed; \$800, 35 days.

Broadway near Gough. Two-story frame; owner, Helen S. Treat; architect, H. A. Schulze; contractors, Ingerson & Gore; cost, \$1,700; signed, May 13; filed, May 16; payments, 1st day of each month, 75 per cent. as work progresses; balance, 35 days.

Broadway near Hyde. Two-story frame and basement; owner, Helen Chase; contractor, Henry Jensen; cost, \$3,400; signed, April 26; filed, May 10; payments, \$850, framed; \$850, brown mortar on; \$850, white coated; \$850, completed.

Bush and Chelsea. Painting, graining and varnishing; owner, Mrs. M. W. Newman; architect, P. R. Schmidt; contractor, J. A. Conroy; cost, \$2,280; signed, May 6; filed, May 9; payments, 1st day of each month, 75 per cent., as work progresses; balance, 35 days.

Bush and Gough. Church, chapel and school-room; owner, Trinity Church of S. F.; architect, A. Page Brown; contractors, McGowan & Butler; cost, \$105,500; signed, May 17; filed, May 20; payments, 1st and 15th day of each month, 75 per cent. as work progresses; balance, 35 days. The contractors agree to build the mortuary chapel for the additional sum of \$7,500.

Bush and Gough. Stone work, steps and copings; owners, McGowan & Butler; orig. con.; architect, A. Page Brown; sub. contractor, D. O'Neill; cost, \$4,772; signed, May 19; filed, May 22; payments, 15th day of each month 75 per cent. as work progresses; balance, 35 days; \$350, extra for three buttresses.

Bush near Lyon. One-story cottage; owner, Mrs. M. B. Decker; contractor, G. G. Gillespie; cost, \$2,600; signed, May 3; filed, May 4; payments, \$383, frame up; \$383, brown coated; \$383, white coated; \$383, completed; \$515, 35 days.

Bush near Montgomery. Alterations and additions; owner, Geo. F. Hooper; architects, Shea & Shea; contractor, John T. Grant; cost, \$9,223; signed, April 27; filed, April 29; payments, \$2,307; brick work up to line of second floor; \$2,307, brickwork finished and roof on; \$2,307, completed; \$2,308, 35 days.

California near Gough. Plumbing and gas-fitting; owner, Jos. Hyman; architects, Salfeld & Kohlberg; contractors, Ickelheimer & Bros.; cost, \$1,480; signed, April 23; filed, April 26; payments, \$500, rough work in; \$610, accepted; \$770, 35 days.

California near Gough. Concrete work; owner, Jos. Hyman; architects, Salfeld & Kohlberg; contractor, H. Stettin; cost, \$1,555; signed, April 22; filed, April 25; payments, \$500, foundations ready for 1st floor joists, \$665, accepted; \$890, 35 days.

California near Gough. Lathing and plastering; owner, Jos. Hyman; architects, Salfeld & Kohlberg; contractor, D. S. Namara; cost, \$1,207; signed, April 27; filed, April 29; payments, \$500 second coat of brown mortar on; \$297, completed; \$290, 35 days.

Camp near 24th. Three-story frame; owner, Geo. Asmusen; contractor, W. H. Hobbing; cost, \$9,400; signed, May 18; filed, May 18; payments, \$1,000, enclosed and roof on; \$1,500 brown mortar on; \$1,500, completed; \$1,000, 35 days.

Cassell Ave. near Clover Alley. Cottage; owner, A. R. Steinburg; contractors, Patterson & Perschke; signed, May 18; filed, May 17; payments, \$50, frame up; \$50, brown mortar on; \$50, completed; \$50, 35 days.

Clay and Pierce. Two-story frame; owner, Mrs. M. E. McBride; architect, M. J. Welsh; contractor, Henry Jensen; cost, \$1,030; signed, May 3; filed, May 3; payments, \$1,450, frame up; \$1,030, completed; \$1,030, white coated; \$1,030, completed; \$1,375, 35 days.

Dehane near 17th. Two-story frame; owner, Jos. Campbell; architect, P. W. Macdonald; contractor, J. L. McLaughlin; cost, \$1,715; signed, May 12; filed, May 13; payment, \$596, frame up; \$596, brown mortar on; \$583, 35 days.

Dolores near 16th. Three flats and fences; owner, J. M. Peoples; contractor, J. C. Rogers; cost, \$5,156; signed, May 7; filed, May 7; payments, \$1,200, frame up and all lumber on ground; \$1,300, roof covered and brown mortar on; \$1,300, completed; \$1,300, 35 days.

Dolores near 25th. Two-story frame; owner, Susie A. Roche; contractor, W. W. Redmill; cost, \$2,815; signed, May 1; filed, May 2; payments, \$715, building enclosed; \$700, brown mortar on; \$700, completed; \$700, 35 days.

Eddy and Pierce. To build; owner, Dennis Kennedy; architect, T. J. Welsh; contractor, J. J. Mansour; cost, \$2,700; signed, May 14; filed, May 16; payments, \$675 frame up; \$675, brown mortar on; \$675, accepted; \$675, 35 days.

Eleventh and Howard. Two-story frame; owner, D. Lally; architect, C. J. I. Devlin; contractor, John Foster; cost, \$4,000; signed, May 18; filed, May 19; payments, \$300, foundations ready for frames; \$500, frames up; \$750, enclosed and roof completed; \$500, brown mortar on; \$1,000, ready for painting; \$325, completed; \$1,125, 35 days.

Elizabeth and Guerrero. Two-story frame; owner, A. B. Knox; contractor, A. S. Cook; cost, \$3,675; signed, May 12; filed, May 12; payments, \$918.75, frame up; \$918.75, brown mortar on; \$918.75, completed; \$918.75, 35 days.

Fell and Fillmore. Alterations and removing; owner, Rev. Jas. Flood; architects, Shea & Shea; contractors, M. J. F. Brady; cost, \$2,065; signed, May 16; filed, May 20; payments, \$850, church moved into position and ready to lower; \$1,152, completed; \$868, 35 days.

Fell near Laguna. Two-story frame; owner, Maria Fallon; architects, Shea & Shea; contractors, Bulger & Campbell; cost, \$2,550; signed, April 20; filed, May 3; payments, \$334, frame up; \$334, brown coated; \$334, hard finished; \$335, completed; \$718, 35 days.

Fifth Ave. near Pt. Lobos. Frame building; owner, E. F. Verdier; contractor, R. K. Albertson; cost, \$2,575; signed, May 17; filed, May 19; payments, \$300, 1st floor joists on; \$825, roof on; \$825, brown mortar on; \$825, white plaster on; \$800, completed.

Filbert and Laguna. Flats and store; owner, Francis Marx; architect, W. Curlett; contractor, M. S. Yerxa; cost, \$8,000; signed, May 14; filed, May 15; payments, \$500, 1st floor joists laid; \$1,200, frame and chimneys up; \$1,000, enclosed and roof on; \$1,000, brown mortar on; \$1,300, framed and plastered; \$1,300, completed; \$2,000, 35 days.

Fillmore and Grove. To build, plumbing excepted; owner, M. J. Brady; architect, T. J. Welsh; contractor, Allen McDonald; cost, \$5,160; signed, May 16; filed, May 17; payments, \$867.50, frame up; \$867.50, brown mortar on; \$867.50, white coat on; \$867.50, completed; \$1,200, 35 days.

Florida near 22d. One-story cottage; owner, Wm. G. Pennycook; architect, Wm. H. Wharff; contractor, Hiram E. Hatch; cost, \$1,673; signed, May 2; filed, May 3; payments, \$300, frame up; \$300, enclosed and chimneys built; \$300, plastered; \$348, completed; \$425, 35 days.

Geary near Hyde. Plumbing, gas-fitting, etc.; owner, E. C. Hiscen; architect, T. J. Welsh; contractor, W. D. Hobbs; cost, \$1,445; signed, May 3; filed, May 9; payments, 1st day of each month 75 per cent. as work progresses; balance, 35 days.

Green and August. Excavating, carpenter and brick work; owner, Christiane Sweeney; architects, Salfeld & Kohlberg; contractor, F. Renfort; cost, \$2,800; signed, May 4; filed, May 3; payments, \$750, frame up; \$600, brown coated; \$750, accepted; \$700, 35 days.

Greenwich and Stockton. To build, plumbing excepted; owner, Antonio Rodriguez; architects, Townsend & Wyneken; contractor, August Lund; cost, \$2,710; signed, May 6; filed, May 7; payments, \$500, frame up and roof boarded; \$500, brown coated; \$500, white coated; \$500, completed; \$890, 35 days.

Guerrero near Cumberland. To build; owner, C. W. Welsh; architect, J. M. Curtis; contractor, James Campbell; cost, \$6,400; signed, May 3; filed, May 3; payments, 1/4, enclosed; 1/4, brown coated; 1/4, completed; 1/4, 35 days.

Guerrero near 17th. Alterations and additions; owner, Samuel Beatty; contractor, R. H. Hicks; cost, \$2,600; signed, May 10; filed, May 20; payments, \$500, old house raised and outside frame up; \$500, ready for plaster; \$500, brown mortar on; \$500, plastered and outside finish on; \$500, completed.

Harrison near Third. Alterations and additions; owner, Margaret Kearney; architect, H. A. Mitchell; contractors, J. Rush & J. W. Barrett; cost, \$2,270; signed, April 27; filed, April 30; payments, \$100, old house complete, 1st floor joists laid in new house; \$400, frame up and rustic on; \$400, brown coated; \$400, doors hung and primed; \$670, accepted.

Harrison near 3rd. Alterations and additions; owner, Caroline Deboche; architect, Emile Depierre; contractor, J. R. Whalen; cost, \$1,300; signed, May 17; filed, May 25; payments, \$300 house raised, studding up and building crossed; \$300, plastering complete and ready to put finish on; \$550, completed; \$550, 35 days.

Hayes bet. Gough and Octavia. Three-story frame; owner, B. Levy; architects, Townsend & Wyneken; contractor, R. Parker; cost, \$1,533; signed, May 23; filed, May 25; \$800, frame up; \$800, brown mortar on; \$800, white coated; \$800, completed; \$1,325, 35 days.

Hayes near Buchanan. Alterations and additions; owner, E. D. Vecchio; architect, F. B. Wood; contractor, C. L. B. Jones; cost, \$2,122; signed, May 9; filed, May 10; payments, \$430, building raised and rustic on except front; \$560, brown mortared; \$800, completed; \$332, 35 days.

Henry near Sanchez. Three-story frame; owner, James M. Judd; architect, H. Gellfuss; contractor, Tom. Muller; cost, \$6,285; signed, May 20; filed, May 20; payments, on July 12, 1892, 75 per cent. of value of work done after which date 1st and 15th day of each month 75 per cent. as work progresses; balance, 35 days.

Howard near 15th. Excavating, raising, carpenter work, etc.; owner, F. W. Tunge; architect, H. Gellfuss; contractor, F. L. Hansen; cost, \$3,797; signed, May 18; filed, May 18; payments, 1st and 15th day of each month, 75 per cent. as work progresses; balance, 35 days.

Hyde near Turk. Alterations and additions; owner, estate of P. Kelly; architect, F. J. Welsh; contractor, C. L. Lombard; cost, \$7,730; signed, May 10; filed, May 11; payments, \$1,475, frame up; \$1,475, brown coated; \$1,475, white coated; \$1,475, 35 days.

Hyde near Turk. Plumbing, gas-fitting, etc.; owner, Estate of P. Kelly; architect, F. J. Welsh; contractors, Ford Bros.; cost, \$1,023; signed, May 10; filed, May 11; payments, \$300, rough work in; \$300, completed; \$407, 35 days.

Iowa near Solano. Frame building, two flats; owner, Jas. McHugh; architect, F. J. Welsh; contractor, J. C. Rogers; cost, \$2,525; signed, May 18; filed, May 19; payments, \$625, frame up; \$625, roof and brown mortar on; \$825, completed; \$800, 35 days.

Jackson and Powell. Addition to a two-story frame; owner, J. H. Drossel; architect, H. Gellfuss; contractors, Schutt & Kreeker; cost, \$2,800; signed, May 18; filed, May 19; payments, 1st and 15th day of each month, 75 per cent. as work progresses; balance, 35 days.

Jersey near Noe. Cottage; owner, J. W. Lunny; architects, Townsend & Wyneken; contractor, J. C. Rogers; cost, \$1,065; signed, May 8; filed, May 10; payments, \$250, frame up and chimneys built; \$300, brown coated; \$270, completed; \$275, 35 days.

Jones and Clay. Plumbing and gas-fitting; owner, Geo. W. Hooper; architect, F. B. Wood; contractor, R. H. Vance; cost, \$1,665; signed, May 14; filed, May 21; payments, \$500, rough work in; \$500, completed; \$400, 35 days.

Jones and McAllister. Desks and counters; owner, Hibernia Savings and Loan Society; architects, Pissis & Moore; contractors, Fink & Schindler; cost, \$2,820; signed, May 24; filed, May 25; payments, \$215; completed; \$705, 35 days.

Jones and McAllister. Grill work, etc., for counter; owner, Hibernia Savings and Loan Society; architects, Pissis & Moore; contractors, S. F. Novelly and Plating Works; cost, \$1,750; signed, April 11; filed, April 30; payments \$1,300, completed; \$450, 35 days.

Jones and McAllister. All metal furniture; owner, Hibernia Savings and Loan Society; architects, Pissis & Moore; contractors, Fenton Metal Manufacturing Co.; cost, \$2,175; signed, March 24; filed, April 30; payments, \$1,631, completed; \$544, 35 days.

Jones and McAllister. Counter for banking room; owner, Hibernia Savings and Loan Society; architects, Pissis & Moore; contractors, Fink & Schindler; cost, \$4,315; signed, April 11; filed, April 30; payments, \$3,235, completed; \$1,080, 35 days.

Jones and McAllister. Granite fence; owner, Hibernia Savings and Loan Society; architects, Pissis & Moore; contractor, O. E. Brady; cost, \$2,000; signed, April 14; filed, April 30; payments, 1st and 15th day of each month 75 per cent. as work progresses; balance, 35 days.

Mission near 10th. Alterations and additions; owner, Sarah Harney; contractor, F. W. Kern; cost, \$3,800; signed, May 3; filed, May 4; payments, \$650, 1st story studs set; \$950, brown coated; \$950, completed; \$950, 35 days.

Pacific Ave. near Fillmore. All works to build; owner, Esther Greenberg; architect, M. L. Lyon; contractors, White Bros.; cost, \$6,100; signed, May 21; filed, May 25; payments, \$1,100, frame up; \$1,100, building enclosed and chimneys complete; \$1,100, plaster completed and standing finish on; \$1,175, completed; \$1,525, 35 days.

Post and Ophir Alley. Frame building; owner, Thos. McDonald; architects, Henricksen & Mahoney; contractor, Michael C. Lynch; cost, \$14,500; signed, April 28; filed, April 28; payments, \$2,719, rustic and roof on; \$2,719, brown mortar and outside finish on; \$2,719, white plaster finished and sashes glazed; \$2,718, painting and varnishing finished; \$5,853, 35 days.

Post and Ophir Alley. Plumbing, gas-fitting, etc.; owner, Thos. McDonald; architects, Henricksen & Mahoney; contractor, Jno. Doherty; cost, \$3,250; signed, April 30; filed, May 3; payments, \$1,355, rough work in; \$1,080, completed; \$875, 35 days.

Prosper near 16th. Two-story frame; owner, J. H. Taylor; architect, C. A. Parker; contractor, J. C. Nelson; cost, \$2,505; signed, May 5; filed, May 10; payments, \$1,878.75, completed; \$625.25, 35 days.

Sacramento and Pierce. Lathing, plastering, etc.; owner, Mrs. K. D. Casey; architect, H. A. Schulze; contractor, Daniel O'Sullivan; cost, \$3,275; signed, April 21; filed, May 2; payments, 1st day of each month, 75 per cent. as work progresses; balance, 35 days.

Sacramento and Pierce. Grading and artificial stone work; owner, Mrs. K. D. Casey; architect, H. A. Schulze; contractors, Gray, Bass, A. S. P. Co.; cost, \$1,645; signed, April 21; filed, May 2; payments, 1st day of each month 75 per cent. as work progresses; balance, 35 days.

Sacramento and Pierce. Plumbing, etc., in nine two-story frames; owner, Mrs. K. D. Casey; architect, H. A. Schulze; contractors, Duffey Bros.; cost, \$3,500; signed, April 21; filed, May 2; payments, 1st day of each month, 75 per cent. as work progresses; balance, 35 days.

Sacramento and Pierce. Carpenter, joiners' and mill work; owner, Mrs. K. D. Casey; architect, H. A. Schulze; contractor, A. Jackson; cost, \$2,700; signed, April 21; filed, May 2; payments, 1st day of each month, 75 per cent. as work progresses; balance, 35 days.

Sacramento and Pierce. Painting, graining and whitewashing; owner, Mrs. K. D. Casey; architect, H. A. Schulze; contractor, Thos. Dowling; cost, \$3,750; signed, April 21; filed, May 2; payments, 1st day of each month, 75 per cent. as work progresses; balance, 35 days.

Sacramento near Drumm. One-story brick and concrete building; owner, Holmes Lime Co.; architect, Wm. Jones; contractors, Richardson & Gale; cost, \$6,833; signed, May 17; filed, May 17; payments, 1st Saturday of each month, 75 per cent. as work progresses; balance 35 days.

Sacramento near Laguna. Painting, varnishing, etc.; owner, John D. Siebe; architect, H. Gelfuss; contractor, John Quadt; cost, \$1,100; signed, April 26; filed, May 10; payments, 1st and 15th day of each month, 75 per cent. as work progresses; balance 35 days.

Sacramento near Leavenworth. Two-story frame with basement; owner, Vicente Denis; architect, Chas. M. Rousseau; contractor, Wm. Linden; cost, \$3,100; signed, May 10; filed, May 12; payments, \$78.75, framed; \$78.75, brown mortared; \$78.75, completed; \$78.75, 35 days.

Seventh and Natoma. Alterations and additions; owner, Mrs. A. Pincus; architects, Salfeld & Kohlberg; contractor, H. Rohling; cost, \$3,415; signed, May 10; filed, May 12; payments, \$900, frame up; \$865, brown mortar on; \$900, completed; \$50, 35 days.

South Park and Second. Third-story frame; owner, F. Ruhland; contractor, C. Zwieler; cost, \$5,800; signed, May 6; filed, May 10; payments, \$1,067, frame up and enclosed; \$1,067, brown mortared; \$1,067, white coated; \$1,067, completed; \$1,450, 35 days.

Steiner near Pine. Raising and constructing; owner, Mrs. D. Quinlan; contractor, F. V. Rushton; cost, \$2,015; signed, May 20; filed, May 23; payments, \$125, house raised; \$150, brick foundation done; \$250, brown mortar on; \$175, plumber has pipes in; \$50, electric bells in; \$75, chimneys built; \$500, completed; \$15, 35 days.

Stockton near Bush. Alterations and additions; owner, B. C. Duffy; architects, P. McQuinn & Son; contractor, Wm. Feeler; cost, \$7,150; signed, May 12; filed, May 13; payments, \$700, building raised and first tier of joists in position; \$800, frame up and rustic on; \$1,000, roof and brown mortar on; \$1,300, white coat on and ready for painting; \$1,625, completed; \$1,787.50, 35 days.

Sutter near Taylor. Raising, moving and all work; owner, Mrs. May H. Morris; contractors, Peterson & Olson; cost, \$2,375; signed, May 20; filed, May 23; payments, \$1,200, brown mortar on; \$75, completed; \$900, 35 days.

Tehama near 5th. Alterations and additions; owner, Isaac Jacobs; architect, P. A. Sisti; contractor, J. W. Fish; cost, \$4,000; signed, May 2; filed, May 6; payments, \$750, frame up and roof on; \$750, brown coated; \$750, white coated; \$750, completed; \$1,000, 35 days.

Third near Hunt. Alterations and additions; owner, Joseph Hume; architects, Shea & Shea; contractor, E. B. Gifford; cost, \$2,240; signed, May 2; filed, May 3; payments, \$80, building raised and brickwork ready for sidewalk beams; \$80, completed; \$50, 35 days.

Thirtieth and San Jose Ave. Two-story frame; owner, Margaret D. Joost; architect, H. Gelfuss; contractor, F. W. Kern; cost, \$4,185; signed, May 21; filed, May 21; payments, \$775, frame up; \$775, brown mortar on; \$775, standing finish on; \$775, completed; \$1,035, 35 days.

Union near Tenth. To build; owner, Geo. Wise; architect, W. H. Little; contractor, Joseph Kennedy; cost, \$3,238; signed, May 5; filed, May 5; payments, \$485, frame up; \$485, enclosed; \$485, brown mortar on; \$485, standing finish on; \$485, completed; \$800, 35 days.

Union near Fillmore. Two-story frame and stable; owner, M. Kelly; contractor, G. G. Gillespie; cost, \$2,400; signed, May 11; filed, May 10; payments, \$325, frame up; \$325, brown mortar on; \$325, white coat on; \$325, completed; \$700, 35 days.

Vallejo near Sansome. Two-story tenements; owner, Ernest Buchel; architect, Wm. Schrof; contractor, F. V. Steinman; cost, \$4,400; signed, May 21; filed, May 21; payments, \$825, rustic and roof boards on; \$825, brown mortar on; \$825, white mortar on; \$825, completed; \$1,100, 35 days.

Waller near Ridley. Two-story flat; owner, Otto Schrader; contractor, J. C. Rogers; cost, \$2,350; signed, May 14; filed, May 17; payments, \$500, ground and frame up; \$500, brown mortar and roof on; \$500, completed; \$900, 35 days.

Washington near Hyde. House moving, brick work, etc.; owner, Henry B. Pasmore; architect, B. J. S. Cahill; contractor, Geo. Cannon; cost, \$5,900; signed, May 21; filed, May 23; payments, \$1,000, old house moved into position and frame up; \$1,100, brown mortar on; \$1,100, frames set and plastered; \$1,225, completed; \$1,775, 35 days.

Western Addition, one-half 50 vara lot. Church building; owner, South M. E. Church; architect, W. W. Polk; contractors, Wilton & Havard; cost, \$7,389; signed, April 21; filed, April 23; payments, weekly as work progresses sufficient sum to pay all employees; and monthly, 75 per cent. of sums for materials furnished. Contractor to receive \$1,550, extra for furnishing glass, laying basement floor, putting on the plaster and inside finish, painting, etc. Also to receive \$2,810, to complete the entire building ready for use, including what has been done, except grading sewerage, etc.; making the total cost, \$11,700.

ALAMEDA COUNTY.

Baker Track, Berkeley. Two-story house; owner, F. H. Lawton; contractor, Geo. A. Embury; cost, \$2,550; signed, April 28; filed, April 28; payments, \$900, frame up; \$900, enclosed; brown mortar on; \$900, completed; \$750, 35 days.

Benton near Central Ave. Two-story frame; owner, J. G. Farrington; contractors, A. W. Vattiani & Co.; cost, \$3,632; signed, May 12; filed, May 12; payments, \$1,000, rustic and roof shingles on and chimney built; \$900, brown mortar on and exterior primed; \$832, completed; \$920, 35 days.

Block 52, Oakland. To build; owner, Philomena Barbetta; contractor, F. C. Bignami; cost, \$3,000; signed, May 10; filed, May 13; payments, \$700, frame up; \$750, building enclosed; \$750, brown mortar on; \$700, completed.

Block 2071, Evoy Tract. One-story cottage; owner, P. H. Maloney; contractor, Peter Ahern; cost, \$1,075; signed, April 23; filed, April 23; payments, June 1, 1892, \$875; July, 1892, \$200; \$1,075, 35 days.

Block 74, Oakland. Three-story and attic rooming house; owner, Mrs. Pauline Mack; architect, S. B. Abbott; contractors, Pierce & Rusch; cost, \$8,113; signed, April 28; filed, April 28; payments, \$1,000, frame up and roof on; \$1,000, walls covered and floor laid; \$1,000, front and roof on; \$1,000, interior finish completed; \$1,113, 35 days.

Bristol and 7th, Berkeley. To build; owner, Anton Thienger; architect, Wm. Schrof; contractor, Henry Gotsch; cost, \$2,425; signed, April 28; filed, May 3; payments, \$600, frame up, roof boards on, chimney built; \$600, brown mortar, roof and outside finish on; \$600, white mortar on, exterior and interior finish on; \$625, 35 days.

Broadway and 14th, Oakland. An elevator; owners, Joseph McDonough; architects, Mosser & Cuthbertson; contractors, A. J. McNeill & Co.; cost, \$3,100; signed, Jan. 18; filed, May 26; payments, 75 per cent. as work progresses; balance 25 days.

Broadway and 14th, Oakland. Excavating of trenches; owner, Home Savings Bank; architect, Walter J. Mathews; contractors, Ransome & Cushing; signed, May 10; filed, May 13; payments, 75 per cent. of value of materials delivered and work prepared to be paid when 1/2 of work is completed; 75 per cent. of value of materials delivered and work performed to be paid upon completion, provided the 1st payment be deducted; \$200, for excavating and refilling trenches with concrete; 25 cents per cubic foot of concrete for building; balance, 25 per cent. 35 days.

Court St., Alameda. Three buildings; owner, Wm. J. Smith; contractors, Marcuse & Remmel; cost, \$6,000; signed, May 23; filed, May 23; payments, \$1,500, frame up; \$1,500, brown coat mortar on; \$1,500, completed; \$1,500, 35 days.

Eagle Ave. and Bay, Alameda. Building; owner, Wm. H. Jenkins; contractors, Marcuse & Remmel; cost, \$1,075; signed, April 27; filed, May 2; payments, \$288.75, frame up; \$288.75, brown mortar on; \$288.75, completed; \$288.75, 35 days.

Eighteenth near West. To erect an additional story; owner, Carrie P. Hawley; contractors, Langtry & Johnson; cost, \$1,050; signed, May 24; filed, May 25; payments, \$50, enclosed and brick work finished; \$50, first coat of plaster and paint on; \$50, completed.

Ellsworth St. near Dwight Way, Berkeley. Two-story frame; owner, Lizzie K. Hume; contractors, Estey & Jewett; cost, \$3,600; signed, May 9, filed, May 10; payments, \$900, house up and roof on; \$900, brown mortar on; \$900, completed; \$900, brown mortar on; \$900, completed; \$900, 35 days.

Fitch and Sharon Tract. Three one-story cottages; owner, Frank Lucchetti; architect, Fred P. Fischer; contractors, D. Straub & Son; cost, \$5,500; signed, May 9; filed, May 10; payments, \$1,350, frames up; \$825, enclosed; \$825, plastered; \$2,500, 35 days.

Point near Lincoln Ave. To build; owner, Mrs. J. M. Shannon; contractor, Marcuse & Remmel; cost, \$2,900; signed, May 20; filed, May 23; payments, \$725, frame up; \$725, brown coat mortar on; \$725, completed; \$725, 35 days.

Fourteenth and Broadway, Oak. To build; owners, Home Savings Bank; architect, Walter J. Mathews; contractors, Rocklin Granite Co.; cost, \$11,947; signed, May 23; filed, May 24; payments, \$2,240, 1/4 of granite stone work required is cut and in the building; \$2,240, 1/4, \$2,240, 1/4, all; \$2,240, completed; \$2,887, 35 days.

Lot 13, Hawley Tract, Alameda. Two-story house; owner, L. C. Yates; contractor, C. F. Weldon; cost, \$2,408; signed, May 7; filed, May 10; payments, \$550, house enclosed; \$550, plastered; \$550, completed; \$800, 35 days.

Mariposa near Aldine, Oakland. Cottage; owner, M. J. Sweeney; architect, John Conant; contractors, Simpson & Spence; cost, \$1,200; signed, May 4; filed, May 7; payments, 1/4, frame up and rustic on; 1/4, brown mortar on; 1/4, carpenter work done and ready for painting; 1/4, 35 days.

Peralta and Nicholas Ave., Fruit Vale. One-story cottage; owner, H. Tinkensiedt; contractor, P. H. Maloney; cost, \$1,650; signed, May 7; filed, May 17; payments, \$550, enclosed; \$550, completed; \$550, 35 days.

Prospect Ave. near Webster. Frame dwelling; owner, Mrs. M. C. Benham; architect, Maxwell G. Hugbee; contractor, W. A. Griffith; cost, \$3,638; signed, May 23; filed, May 24; payments, \$900, frame up and enclosed; \$900, brown coat mortar on; \$900, completed; \$900, 35 days.

St. Mary's Hospital. A vault; owner, A. G. Chanchi; architect, Chas. Mau; contractor, D. Dwyer; cost, \$1,900; signed, May 10; filed, May 17; payments, \$725, 1/2 material furnished and 1/4 work done; \$725, completed; \$475, 35 days.

Thirtieth and Magnolia, Oakland. Cottage; owners, Mr. and Mrs. Groux; contractors, Rose & Baker; cost, \$2,000; signed, April 28; filed, May 2; payments, \$500, frame up and brickwork completed; \$500, brown mortar on; \$500, completed; \$500, 35 days.

Thirty-second near Telegraph Ave. Two-story frame; owner, J. J. Warner; architect, Howard Burns; contractor, E. H. Lake; cost, \$2,738; signed, May 10; filed, May 10; payments, \$680.50, house ready for plastering, \$680.50, plastered, windows set and 1st coat of paint on; \$680.50, completed; \$680.50, 35 days.

Twenty-eight near Telegraph Ave., Oakland. Cottage; owner, A. C. Sandford; contractor, H. C. Brown; cost, \$900; signed, May 9; filed, May 9; payments, \$240, building enclosed; \$240, brown mortar on; \$240, completed; \$240, 35 days.

Twenty-third and Broadway, Oakland. Two-story frame building; owner, J. A. Brunge; architect, Chas. Mau; contractors, Leiter & Prugh; cost, \$5,357; signed, May 8; filed, May 9; payments, \$1,000, 1/4 materials furnished and 1/4 work done; \$1,000, 1/4 furnished and 1/4 work done; \$1,000, 1/4 furnished and 1/4 work done; \$1,357, 35 days.

Vine near Spring, Berkeley. Two-story frame dwelling; owner, Wm. McIntyre; architect, Geo. A. Bordwell; contractors, Nickerson & Caldwell; cost, \$4,350; signed, May 18; filed, May 19; payments, \$900, frame up; \$750, brown mortar on; \$800, white mortar on; \$800, completed; \$1,100, 35 days.

Webster near Lake Merritt, Oakland. To build; owner, Mother Elizabeth Roche; architect, Bryan J. Clinch; contractor, Thos. R. Bassett; cost, \$10,500; signed, May 6; filed, May 7; payments, \$2,600, frame up; \$2,600, brown mortar on; \$2,600, completed; \$2,700, 35 days.

BUILDING IN SEATTLE, WASH., DURING MAY.

The superintendent of buildings presented his report for the month of May to the board of public works on Thursday as follows:

	No.	Cost.
Moves and repairs.....	46	\$ 5,490
One-story frames.....	36	10,430
Two-story frames.....	21	64,300
One-and-one-half-story frames.....	7	4,385
Two-and-one-half-story frames.....	3	9,250
Three-story brick.....	1	100,000
Four-story brick.....	1	2,000
Five-story brick (excavate).....	1	1,450
Three-story brick (foundation).....	1	1,450
Totals.....	117	\$202,155

—Seattle Post-Intelligencer.

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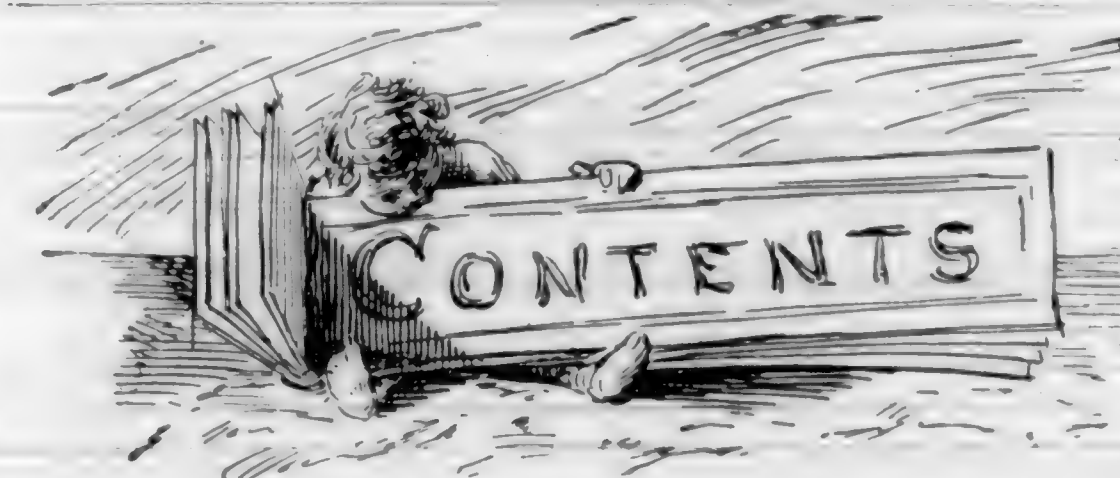
NOW IN THE THIRTEENTH YEAR.

W. J. CUTHBERTSON, President.

OLIVER EVERETT, Secretary.

ADVERTISING RATES:

Space	1 Month.	3 Months.	6 Months.	12 Months.
1 inch.....	\$ 1.20	\$ 4.00	\$ 7.50	\$ 13.00
1 inch.....	4.00	10.00	18.00	35.00
1 inch.....	7.50	18.00	32.00	60.00
1 inch.....	12.00	35.00	65.00	125.00
1 Page.....	20.00	57.50	105.00	200.00
1 Page.....	40.00	110.00	200.00	350.00



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THE location adds much to the convenience and beauty of the house, and the style or arrangement should be adapted to the location and surroundings. Birds seek a proper locality for their nests and then build in accordance with their peculiar needs, the strength varying with the exposure to the elements. Animals choose places of retreat protected from the influence of the disturbing elements, and then proceed with the erection of their habitations, some of which are marvels of architectural skill.

We thus see that architecture was coeval with the first life appearing upon the earth. If it is true that some forms

of life have passed by evolution to the present state of high civilization, so architecture has followed as a natural and necessary accompaniment, and its historical markings, recorded at various epochs, show its faithful adherence to the wants of mankind.

Every building when erected has some object or end to be subserved. This object or end must first be made known to the architect before he can proceed to design a structure adapted to the required purpose.

It is not the province of architecture to present a Greek Temple located upon a bleak hill as a farm house, and say to the proprietor, "Live thou here in this temple, and make thy wants conform with this beautiful edifice," but rather to select a sheltered nook whereon to erect a conveniently arranged house with wide and airy verandas and exterior angles, and roof lines harmonizing with the surrounding landscape. We could go on and mention a number of such enormities, such, for instance, as a rural cottage for the purposes of a Court House.

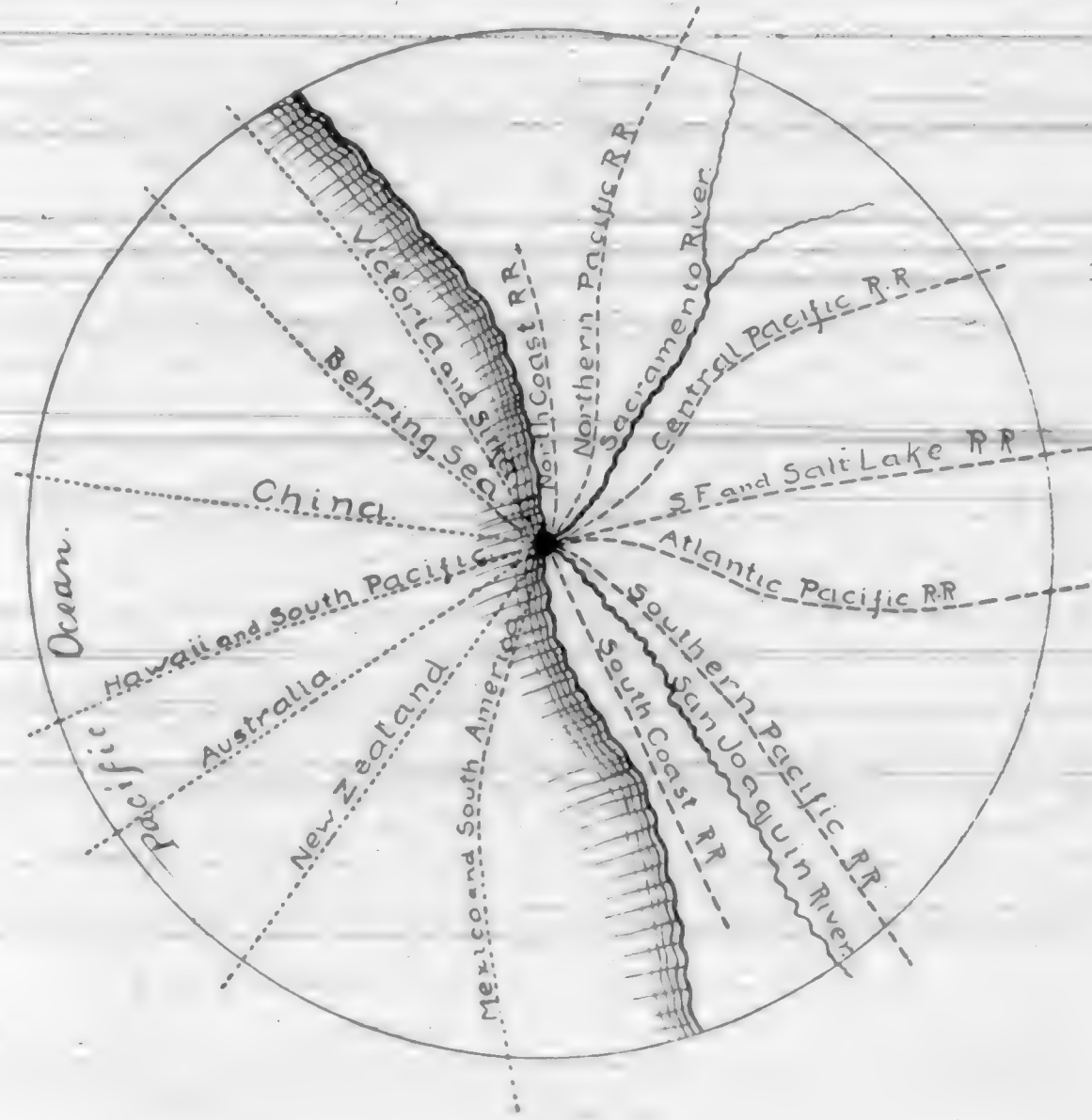
Architecture being so intimately connected and interwoven with our wants and necessities as to be inseparable from life, it follows that the highest type of architecture is that which most faithfully aids in the development of contentment and happiness ranging from the lowest wants of animal or man, through all stages of development, to the inspiration of the highest ideal. It therefore becomes the duty of the architect to plan healthy and comfortable buildings for the housing of the dumb animals, as well as those for the master.

With this end in view, we shall from time to time, give designs and details of construction for farm buildings and conveniences of all kinds, hoping thereby to aid in the work of beautifying and improving the homes which are increasing in number so rapidly at the present time throughout the Pacific Slope.

SAN Francisco as the commercial center of the Pacific Slope and the natural terminus on the westerly coast of the Continent of North America has a great future. It has unlimited resources and as the means of communication improve and extend, and the manufacturer and merchant are brought more easily and quickly into connection with the trade centers of the world, so will the commercial enterprises become more extensive.

The situation is shown in the diagram, San Francisco being the natural central point for all the lines.

The bay of San Francisco is one of the best harbors in the world, having a depth of water sufficient for the largest ships and is large enough to float at anchor all the ships of the world at one time and have room to spare. It varies in width, but the average may be put at about six miles and has a length of nearly forty miles. The bay is connected with the ocean by one deep channel. At both sides of the channel, and at the entrance to "The Golden Gate", nature



has provided the preliminary requisites for fortifications.

In the development of the commerce of a country the natural water ways rank first as an economical means of conveyance and as a check to monopoly. Two navigable streams, the Sacramento and the San Joaquin Rivers flow into the bay at San Francisco and furnish some 1,000 miles of internal navigation whereby millions of acres of fertile soil have direct communication with this port.

Taking the Rail Roads, we find the North Coast Road as a local line. This line has recently changed hands, and will probably be extended to connect with some overland road. The Northern Pacific R. R. is at present a local road but preparations are being made to extend the line to tap the northern coast of California and through to Oregon. The Central Pacific is well known as the first trans-continental road. The San Francisco and Salt Lake R. R. is about to be built to tap the overland routes. The Atlantic Pacific and Southern Pacific are two overland lines which separate after passing the mountain ranges, one line running Easterly and the other Southerly. The South Coast R. R. is running in sections, and when the gaps are all connected will

make a line Southerly down the coast to San Diego and Los Angeles, then overland.

The lines of commerce on the Pacific Ocean cover a wide area. A steam-ship line runs up the Coast to Portland, Victoria and Alaska. Whaling and sealing ships run to Behring Sea. Steamer lines connect with China, Japan, Hawaii, Australia, New Zealand and the South Pacific, also to Mexico and South American Ports.

Sailing vessels run to all the trading points. All these lines are susceptible of expansion with a corresponding increase in the trade of the continent.

THE recent fires in this city, nearly all of which were in frame buildings, are admonitions, and the citizens, through the properly constituted authorities, should insist upon additional safeguards against a general conflagration and the use of a more fire-resisting material than wood in the districts outside but adjacent to the fire limits. Brick and terra-cotta come first as wall materials, and the extremely low price at which good brick, and even pressed brick, can be made, and are already to be had in the market, holds out additional reasons why brick should be used. Very few localities have better brick than San Francisco and its vicinity. Some of the brick in this market are of extra strength and are very tough and when properly laid with suitable mortar will make a wall more fire-proof than the wooden frame and equally earthquake-proof as the ones usually erected. One of the later brick manufacturing companies claims a pressure of 2000 lbs. per square inch, consequently a very strong brick and one that may be safely loaded with an increased weight over one of the softer kind, is the result. Our future for brick architecture is open to great possibilities and we hope and expect the subject will become an active one before the season closes.

IN a recent legal contest between Mr. C. C. Moorehouse and the officials of the Fire Department in regard to smoke-proof iron lath, the former presented evidence, which, it is claimed, was indisputable, viz., that there is no iron lath in the market that is smoke-proof until after the interstices are filled with mortar. Further it was claimed that the usually so-called smoke-proof iron lath having an angular corrugated form and which would, after plastering, leave continuous channels between the wall and a portion of the lath, instead of being smoke-proof, really formed flues which would be liable to convey not only the smoke, but the fire as well.

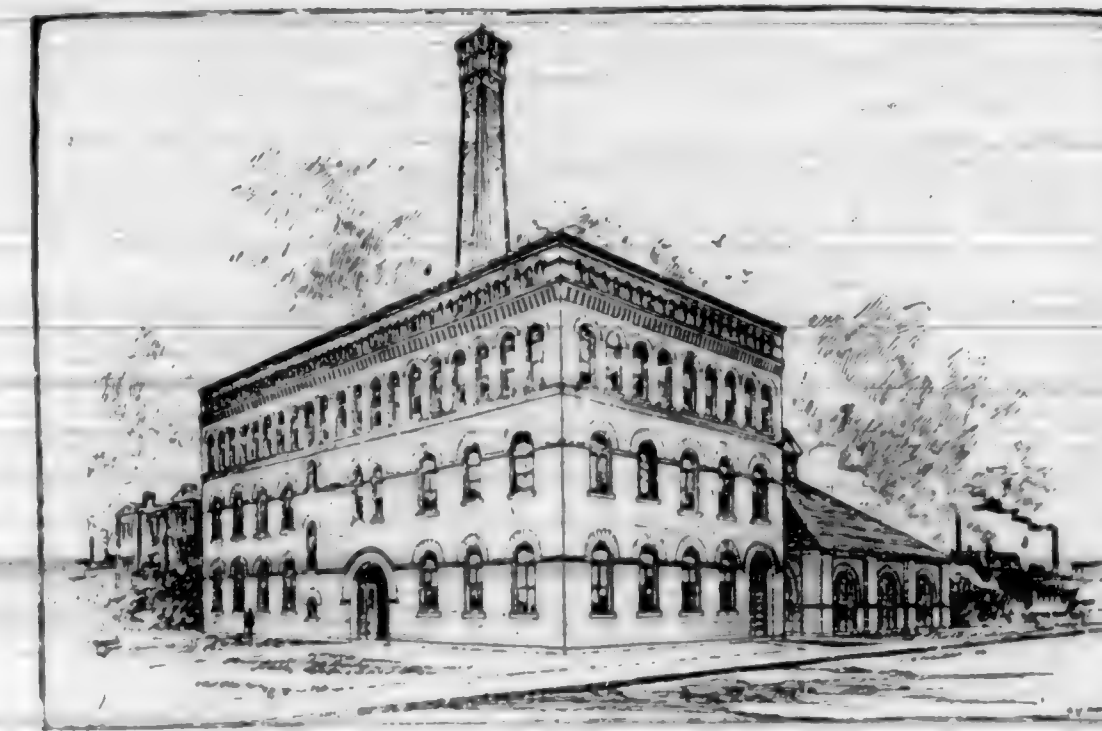
As we understand it, that claim was based upon the supposition that the lath should be applied to a boarded surface or to a wall with a plain surface to back the plastering. When applied to studding the effect is changed.

From this it appears that an iron or steel lath so formed as to make a key for the mortar, and allow the interstices to be completely filled with mortar, or a stiffened wire lath, would constitute the best smoke-proof lath extant.

The officials charged with the execution of the Fire Ordinances and who have been acting for some time, seem willing to accord equal rights to all; but when an attempt is made to introduce an innovation on the usual article it must be shown conclusively that the new article fills the requirements of the law. The newly appointed official whose "hand and down blue pants" have not lost their "shelf wrinkles," and with buttons resplendent with new brass, is the one who thinks it advisable to show convincing proof that he is much larger than any other man of the same size.

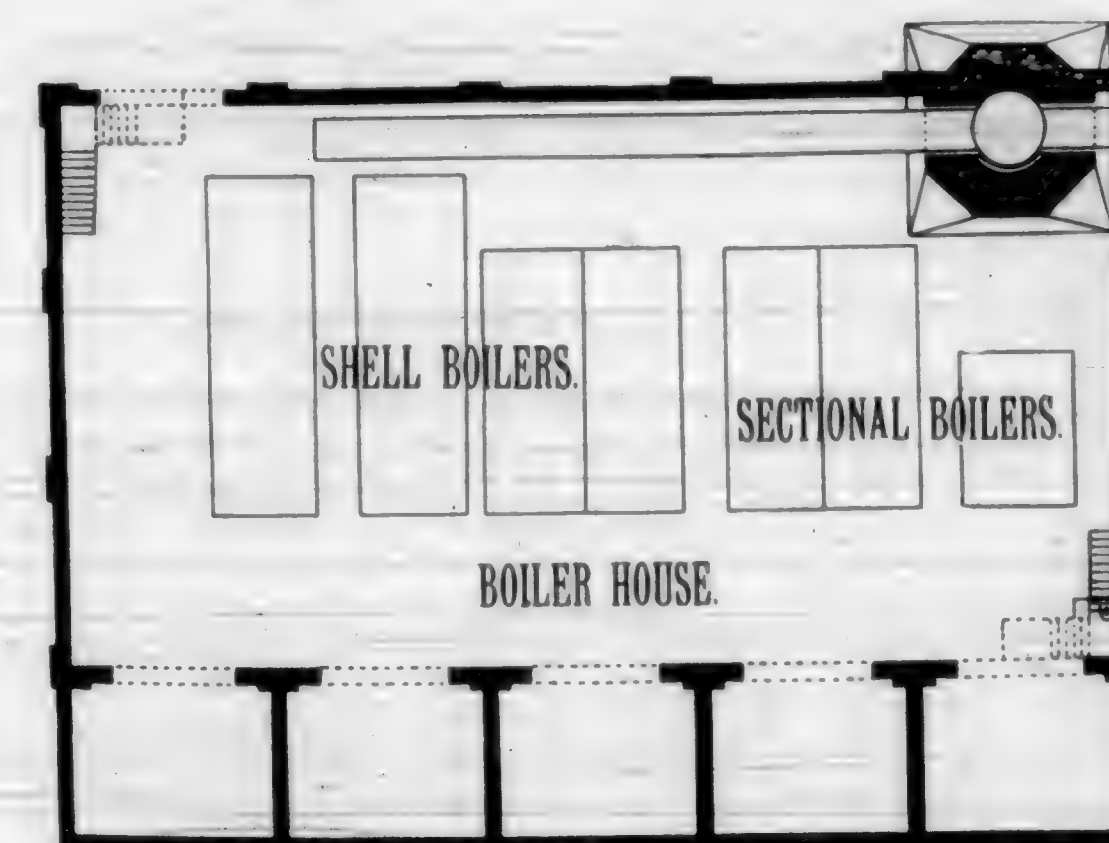
UNIVERSITY OF PENNSYLVANIA.

THROUGH the kindness of Mr. H. W. Spangler, U. S. N., of the Department of Mechanical Engineering of the University of Pennsylvania, we printed in our June number of last year a description of certain proposed improvements and additional buildings to that institution. We are again indebted to Mr. Spangler for the following illustrations and descriptions of the buildings in course of construction.



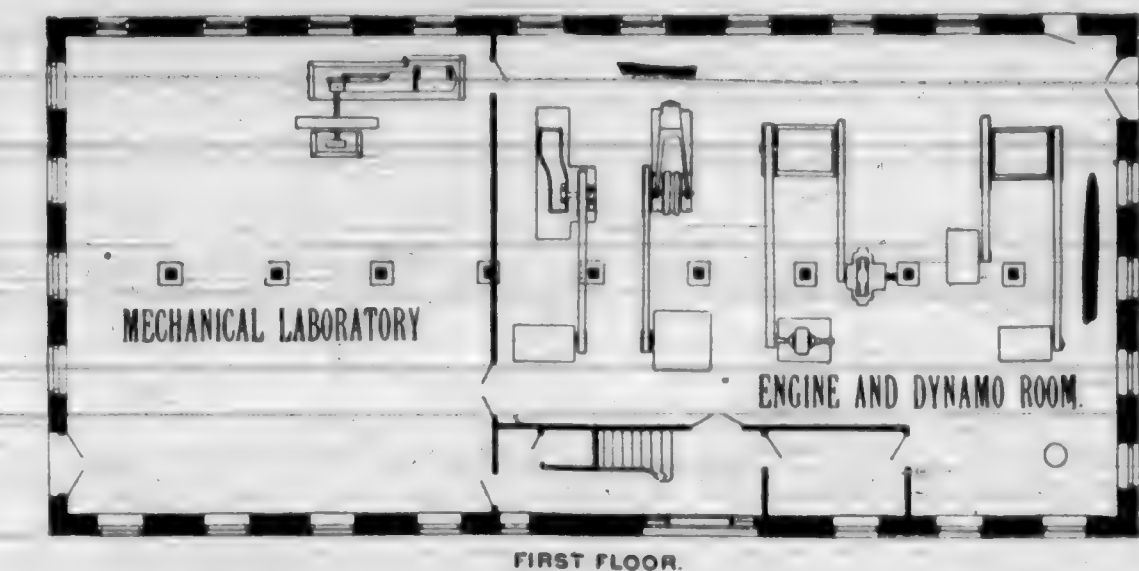
MECHANICAL ENGINEERING AT THE UNIVERSITY OF PENNSYLVANIA.

About three years ago the necessity of increasing the equipment of the Department of Mechanical Engineering of the University of Pennsylvania became so apparent that a fund was immediately raised to place the Department on an equality with the best schools in mechanical engineering in the country. A portion of one of the very large rooms in the College, having a maximum capacity of about forty drawing tables, was used for a drawing room, one room of



about five hundred square feet was set aside for test work in electrical engineering, and sufficient apparatus added to the equipment to enable satisfactory instruction to be given in this Department of the work. A year later a smaller room, of about one-fourth the floor space, was added to this portion for photometric and similar work. A second room of about six hundred square feet floor surface was taken for a mechanical engineering test room, and in this room was placed a 50,000 pound testing machine, a thirty-horse power testing engine, which could be run condensing or non-condensing, and numerous smaller pieces of testing apparatus, which enabled the Department to give instruction in most of those lines of work with which the mechanical engineer

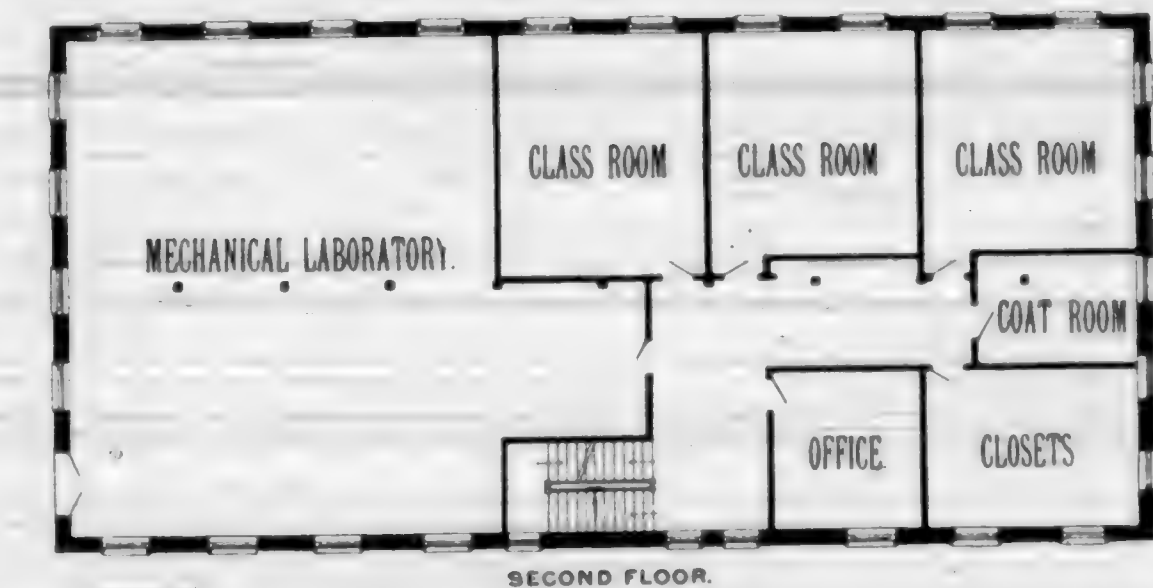
must be familiar. An additional room, covering 1300 feet of floor space, was secured, and a twenty-five horse-power vertical boiler and an 8x16 Porter Allen engine was put in this room, and the remaining space in the room was so



divided and equipped that one-half was used for an iron working shop and one-half for wood working. The additions then made were expected to be sufficient for the use of forty students as a maximum.

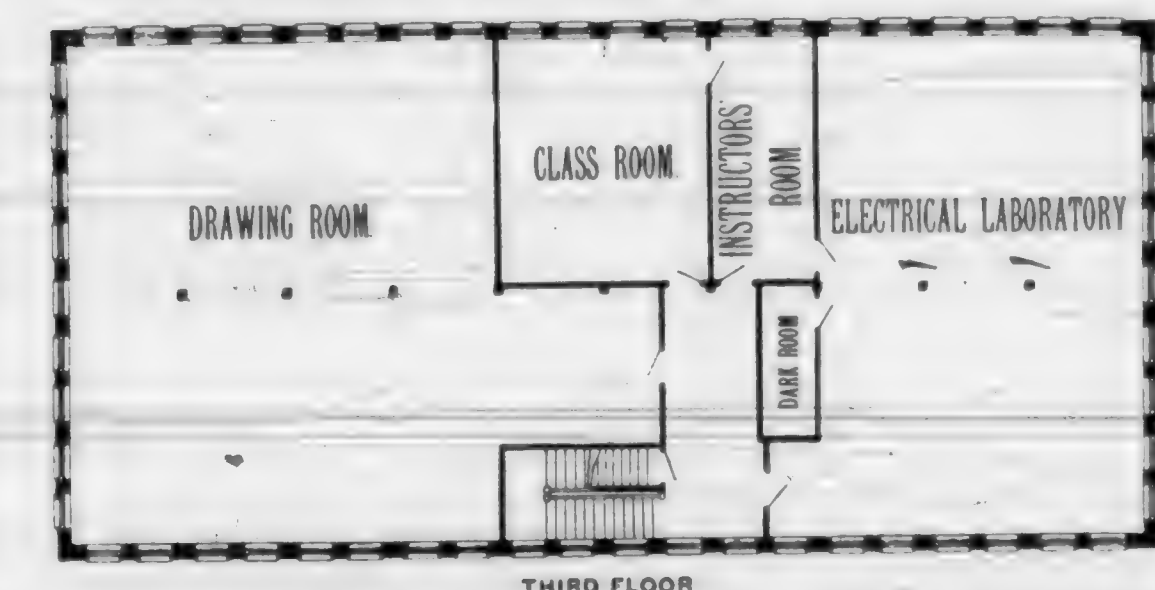
The effect of these additions on the attendance in this Department was such that before one complete year's work had been done the number of students exceeded that for which the equipment had been planned, the second year seeing the number doubled and the third year three times as many as were in the Department at the time the increased equipment was decided upon.

At the beginning of the second year the project of supplying heat and light for one central building was first discussed. There being twelve buildings then erected on the Univer-



sity grounds and some of them very large ones, it was finally decided that such a plant should be erected. This plant was expected to occupy a building about 100 feet by 50, one story high, having the boilers in one end and the engines and dynamos in the other.

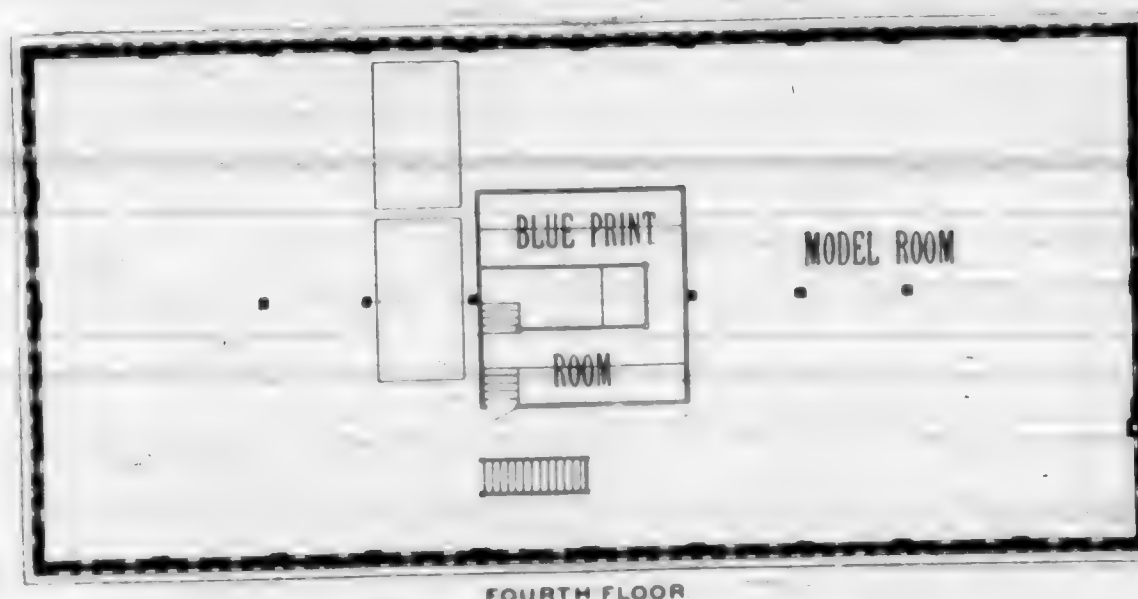
As the number of students in the Mechanical Engineering Department then was greater than the available space could accommodate satisfactorily, the Department began seeking other quarters. College Hall was over-crowded and the only way of obtaining more room was by moving into a separate building. The project of the light and heat station opened the way, and the results are as shown in the accom-



panying cuts. Two buildings are now in process of construction instead of the one at first proposed. The boiler house is 100 feet by 50 feet, and when equipped will contain four

shell and four sectional boilers. These boilers are intended to present to the students the best examples of modern stationary practice, and will be so equipped that the values of different kinds of coal, different methods of setting, different methods of burning coal, can be experimented on under the conditions actually found in a commercial plant. The roof trusses of this building are now being put in place. When completed this plant cannot be equalled by any in this country for the teaching facilities it will enable this Department to use, as it will be not only a plant installed by competent engineers to do economically commercial work, but with especial care as to its usefulness as an aid to the instruction in mechanical engineering.

The other building which is shown in the foreground of the picture, is the Engineering School proper. This building is to be practically four stories high and 100 by 50 feet on the ground. It is of red brick and already presents a handsome appearance, the third floor girders having just been put in place. On a portion of the ground floor will be placed the engines and dynamos for lighting the buildings of the University. This plant, like the boiler plant, has been planned not only to be commercially a successful plant, but to give the largest amount of opportunities for the students to study the peculiarities and test the efficiencies of the best types of engines and dynamos. This plant will be of 300 horse-power, and it is intended to install four engines driving six dynamos of various types. The balance of this floor, about 2000 square feet, will be devoted to the purposes of the Mechanical Engineering Department proper. The walls on



this floor are of red brick, the floor granolithic, and mill construction is to be used throughout.

On the second floor will be the remainder of the Mechanical Laboratory—a second room, forty by fifty feet, in which will be installed much of the apparatus now in the laboratory, now in the College Hall. On this floor also will be the office of the Department, three class and lecture rooms and the closets.

On the floor above will be located the Drawing Room—a room covering 2000 feet of floor space—the Electrical Laboratory and Photometric Room, covering 1600 feet of floor space, one class room and the assistant's room. On the floor above will be located the model room, in which will be placed the models of machinery of various kinds, kinematical models and a series of very fine plaster models cast by the students for patterns of their own make, showing the methods of using cores and making castings.

The entire room actually used from day to day in this building for instruction purposes in the Department of Mechanical Engineering will be about 15,000 square feet as compared with about 4000 feet in the present quarters.

This Department has charge of both the Mechanical and the Electrical Engineering work done by the University of Pennsylvania. There are practically two courses of instruction open to students in this work. One of these courses has been established for a number of years, and is only open to students who have taken the first two years in the Towne Scientific School or who come prepared to pass examinations on the work of these two years. This course extends over three years. The Department has graduated from this course upwards of one hundred students, most of whom are

actively engaged in some branch of engineering work.

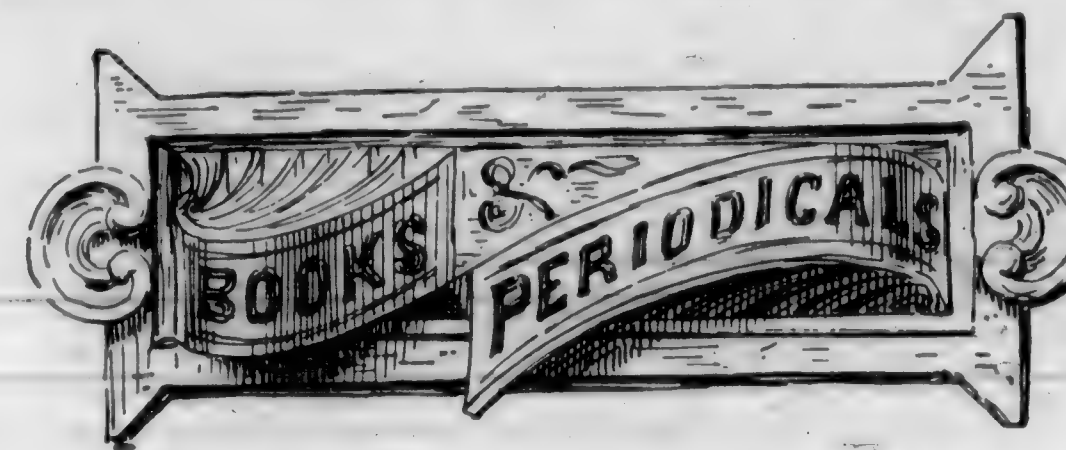
The other course extends over four years and admits students after examination on the subjects usually required for admission to college. The studies taken in this course bear directly on the work of the engineer. At the end of the second year, the studies are differentiated somewhat for those students who desire to pay particular attention to electrical engineering, although all students taking either of the courses are given a good working knowledge of both mechanical and electrical engineering.

WHITHER IS OUR ARCHITECTURE TENDING.

AT the Civil Engineers' Club of Cleveland, Mr. C. W. Hopkinson read a paper on "Whither is our Architecture Tending," of which a brief abstract is as follows:

To the casual observer there is much in the present condition of architecture in America which is perplexing. The variety of style and proportion, seen on every hand, and the seemingly ever-changing notion of what is proper, have done much to befog the judgment regarding our existing architecture. The American modern system of designing is essentially eclectic. That is, the different architects of the country work largely independent of each other. Even the work emanating from the same office often shows as wide a variation in style as the Gothic and Renaissance, or the Colonial or Swiss chalet styles. This system of designing has developed during the last twenty-five years, and has come about through the growing desire on the part of our architects for more freedom from restraint in their designing. The improvements in the technical journals, the better knowledge of what the men of the different parts of the country were doing, prevented our eclectic work from degenerating into wild experiments. Certain it is that this system led to an awakening in architectural circles, and made possible the introduction of Mr. Richardson's version of the Romanesque style of France. It was quite favorably received, but owing to Mr. Richardson's untimely death it did not reach the development its friends had hoped for. Instead, it was soon noticed that it began to take on a Gothic feeling, which was chiefly manifested in the ornamentation. In the hands of other architects, it exhibited a leaning towards the Renaissance style. But both the Gothic and Renaissance styles are in the field as candidates for honors. The Gothic claims a large part of the new churches, while the Renaissance has the honor of being the style in which the main buildings of the World's Fair are designed. As to what will be the coming style, it is extremely difficult to state. As a people we are altogether too restless in our natures to accept any one style for any great length of time. It seems probable that for some time the Gothic may claim a large part of the church work and the Romanesque the balance; the Renaissance the bulk of the public buildings and possibly a part of the office buildings, except that in the latter branch of building I shall look for a strong feeling of Romanesque, tempered, it may be, as indicated above. The private work will follow in the wake of all three styles, while the method of designing will probably be eclectic. With the splendid publications so complete on every hand and the training schools constantly sending into the offices young men with proper desires and theoretical training, and so many of our practicing architects zealous to raise the tone of the profession and promote scholarly work, it seems highly probable that the work, as a whole, will constantly grow better and more worthy the architecture of the most enlightened and progressive nation on the globe.—*The Engineering Record.*

SOME of the old Mission buildings of this State are to be represented at the World's Fair. Mr. H. C. Ford, of Santa Barbara, expects to display twenty-four water color paintings of these historical structures, each painting to occupy a space of about eight square feet.



A CENTURY OF ELECTRICITY, by T. C. Mendenhall, Superintendent U. S. Coast and Geodetic Survey. Published by Houghton, Mifflin & Co., Boston and New York. Size 5x7 inches, and 1 inch in thickness. Price \$1.00. For sale by Osborn & Axexander, 401 Market street, San Francisco, Cal. This is the revised edition of the work and is illustrated in a manner to make the matter clear. The book covers a long period in the practical use of electricity, giving a description of the discoveries by Galvani and Volta, the battery and electric current, and the electro-magnet. It also gives the history of the development of the telegraph, multiplex telegraphy and submarine cables, Faraday's discovery of the dynamo, the electric light and the transmission of energy; the motor, the telephone, secondary batteries and is supplemented with a copious index.

The work is a very useful one to have in the library for reference. Mr. Mendenhall is well known on this coast on account of his advanced scientific attainments. We predict the book will have a large sale.

Just published, Third Edition Atwood's REVISED RULES OF PROPORTION, compiled and original and adapted to modern practice, by D. T. Atwood, Architect.

CONTENTS.

Part 1. INTRODUCTORY AND EXPLANATORY.—Plate 1.—Standard of Proportion. Plate 2.—First Story Basement Elevation. Plate 3.—Fourth Story Elevation. Plate 4.—Optic Diagram. Plate 5.—Transverse Section, Interior of Basement and First Story.

Part 2. RULES, NOTES AND TABLES OF COMPARATIVE PROPORTIONS.—Plate 1.—Story Section, illustration Rules 1, 2, 3 and 4. Plate 2.—Base Section, illustrating Rule 5. Plate 3.—Architrave, illustrating Rule 6. Plate 4.—Room Cornice, illustrating Rule 7. Plate 5.—Post, Column and Pilaster, illustrating Rule 8. Plate 6.—Entablature, illustrating Rule 9. Plate 7.—Level and Raking Cornice, illustrating Rule 10. Plate 8.—Story Elevation, to obtain Raking and other styles of Cornice for Country, Town, or Suburban Houses, illustrating Rule 10.

12mo. vol., bound in cloth, price, 75 cents. Sent by mail free of postage to any part of the world. William T. Comstock, publisher, 23 Warren street, New York.

Mr. Atwood is the author of several works on architecture. In this book the author treats on the systems and rules adapted to the students' rudimentary course of studies in Architecture. The book contains much that is useful and is so compact as to be readily accessible when wanted.

THE METAL WORKER, Essays on House Heating by Steam, Hot Water and Hot Air, with introduction and tabular comparisons. Second edition, revised. Arranged for publication by A. O. Kittredge, editor of *The Metal Worker, Carpentry and Building*, etc. Author of the "Metal Worker

Pattern Book," "Practical Estimator," etc. Publisher, David Williams, 96-102 Reade street, New York. 407 pp., 7x6 1/2 inches. Handsomely bound in cloth. One volume. Price, \$3.00.

The volume is illustrated with 85 full-page plates, showing the arrangement of apparatus and indicating the runs of pipes. Marginal notes on the pages adjoining the subject under consideration, together with a carefully prepared index at the end of the book, serve to facilitate references to required parts.

This volume is offered to the trades and professions in the interest of which it has been prepared, with the confidence that it will prove what is commonly required, "An Every-Day Help."

The work is not a mere theoretical consideration of principles and a statement of facts gained by inquiry in the trade; but, instead, a collection of essays by practical men, each showing how one man would go about heating the building in question, using the means with which he is best acquainted in practice. Features of the book which are not the least important among its numerous merits are the LISTS OF ITEMS AND STATEMENT OF COST accompanying the different essays. Never before in the history of the heating trades has there been offered such a collection of information directly from the practice of those who are actively engaged in the heating business as is contained in this volume.

In this, the second edition, is contained a large amount of matter originally published in *The Metal Worker* and not given in the first edition. This has proven of exceptional interest and value to the trades, and consists of criticisms and opinions from the experience of many interested readers and an exhaustive section devoted to rules for proportioning radiating surfaces, from standard authorities, with a large number of tables.

All persons who wish to inform themselves on the question of heating should be provided with this new edition. The extensive sales of the first work has made this enlarged edition necessary.

LIPPINCOTTS' for July, contains some travel and legendary stories.

THE COSMOPOLITAN for July, contains a number of articles of interest to architects. "England's Great Modern Schools" and "Riverside Hospital" are especially so.

SUGGESTIONS FOR THE CONDUCT OF ARCHITECTURAL COMPETITIONS.

SACTIONED BY THE ROYAL INSTITUTE OF BRITISH ARCHITECTS.

1.—The Promoters of an intended Competition should, AS THEIR FIRST STEP, appoint one or more professional Assessors, architects of established reputation, whose appointment should be published in the original advertisements and instructions, and whose decision should govern the selection of the designs.

All the designs sent in should be submitted to the Assessors.

2.—The duty of Assessors should be:—

(a) to draw up the particulars and conditions as in-

structions to Competitors, and to advise upon the question of cost:

- (b) to determine which of the designs conform to the instructions, and to exclude all others;
- (c) to advise the Promoters on the relative merits of the designs admitted to the Competition, and to make a selection in accordance with the conditions.

3.—Every Promoter of a Competition, and every Assessor engaged upon it, should abstain absolutely from competing, and from acting as architect, for the proposed work.

4.—The number and scale of the required drawings should be distinctly set forth, and they should not be more in number, or to a larger scale, than necessary to clearly explain the design. If perspective views be required, it should be so stated; and they should be uniform in scale, number mode of coloring, etc.

5.—Competitions should be conducted in one of the following ways:

(A) By advertisement, inviting architects willing to compete for the intended work to send in designs. The promoters, with the advice of the Assessor or Assessors, should make their selection from such designs. The author of the design awarded the first place should be employed to carry out the work.

(B) By advertisement, inviting architects willing to compete for the intended work to send in their names by a given day; with such other information as the candidate may think likely to advance his claim to be admitted to the Competition. From these names the Promoters, with the advice of the Assessor or Assessors, should select: (a) an architect to carry out the work; or (b) a limited number to compete, and each Competitor thus selected should receive a specified sum for the preparation of his design. The author of the design awarded the first place should be employed to carry out the work.

(C) By personal invitation to a limited number of selected architects, to join in a Competition for the intended work. Each Competitor should receive a specified sum for the preparation of his design. The author of the design awarded the first place should be employed to carry out the work.

6.—No design should bear any motto, device, or distinguishing mark; but all designs should be numbered by the Promoters in order of receipt. Any attempt to influence the decision of the Promoters, or of the Assessor or Assessors, should disqualify a Competitor.

7.—In every case the amount of premium or remuneration for the competitive designs should be fixed by the Promoters, acting under the advice of the Assessor or Assessors, and should be paid in addition to the usual professional charges for carrying out the work.

8.—Where a deposit is required for supplying the instructions, it should be returned on the receipt of a *bona fide* design; or if the applicant declines to compete and returns the said instructions within a month after their receipt.

9.—A design should be excluded from a Competition,—

- (a) if sent in after the period named (accidents in transit excepted);
- (b) if it does not substantially give the accommodation asked for;
- (c) if it exceeds the limits of site as shown on the plan issued by the Promoters, the figured dimensions on which should be adhered to until officially altered;
- (d) if the Assessor or Assessors should determine that its probable cost will exceed the outlay stated in the instructions, or the estimate of the Competitor should no outlay be stated; provided always that should the Assessor or Assessors not have been consulted in the first instance respecting the cost, as recommended in paragraph (a) of Clause 2, and should he or they be of opinion that the outlay stated in the instructions is inadequate for the proper execution of the proposed works, the Assessor or Assessors shall not be bound in the selection of a design by the amount named in such instructions, but the question of cost shall nevertheless be a material element in the consideration of the award;
- e) if any of the other instructions are violated.

10.—It is desirable that all designs submitted in a Competition, except any excluded under Clause 9, should, with the consent of their authors, be publicly exhibited after the award has been made, which award should be published at the time of exhibition.

11.—The architect, whose design may be selected as the best, should be employed to carry out the work, and he should be paid in accordance with the Schedule of *Professional Practice and Charges of Architects* sanctioned and published by the Royal Institute. If no instructions are given to him to proceed within twelve months from the date of the selection, he should receive adequate compensation in addition to the premium (if any) awarded to him. In the event of a part only of his original design being carried out, he should be paid a sum to be agreed upon in respect of the deferred portion, such sum to be merged in the usual professional charge when the completion of the design is proceeded with.

*** It should be understood that the Royal Institute issues these Suggestions as a guide to Promoters where a Competition has been decided upon, but not as necessarily recommending the principle of competition.

ASTON WEBB, *Hon. Secretary.*

WILLIAM H. WHITE, *Secretary.*

For the above schedule we are indebted to the *Journal of Proceedings of the R. I. B. A.*



The management of this journal desires to extend a cordial invitation to all architects on this coast and elsewhere to contribute designs for publication.

Drawings should be made with perfectly black lines on a smooth white surface. Good tracings, if made with black ink, answer the purpose.

The designs selected will be published without charge. All drawings, whether accepted or not, will be returned to their authors, who must bear express charges both ways.

DESIGN for the City Prison of Guaymas, Mexico; Messrs. Pissis & Moore, Architects, San Francisco, Cal.

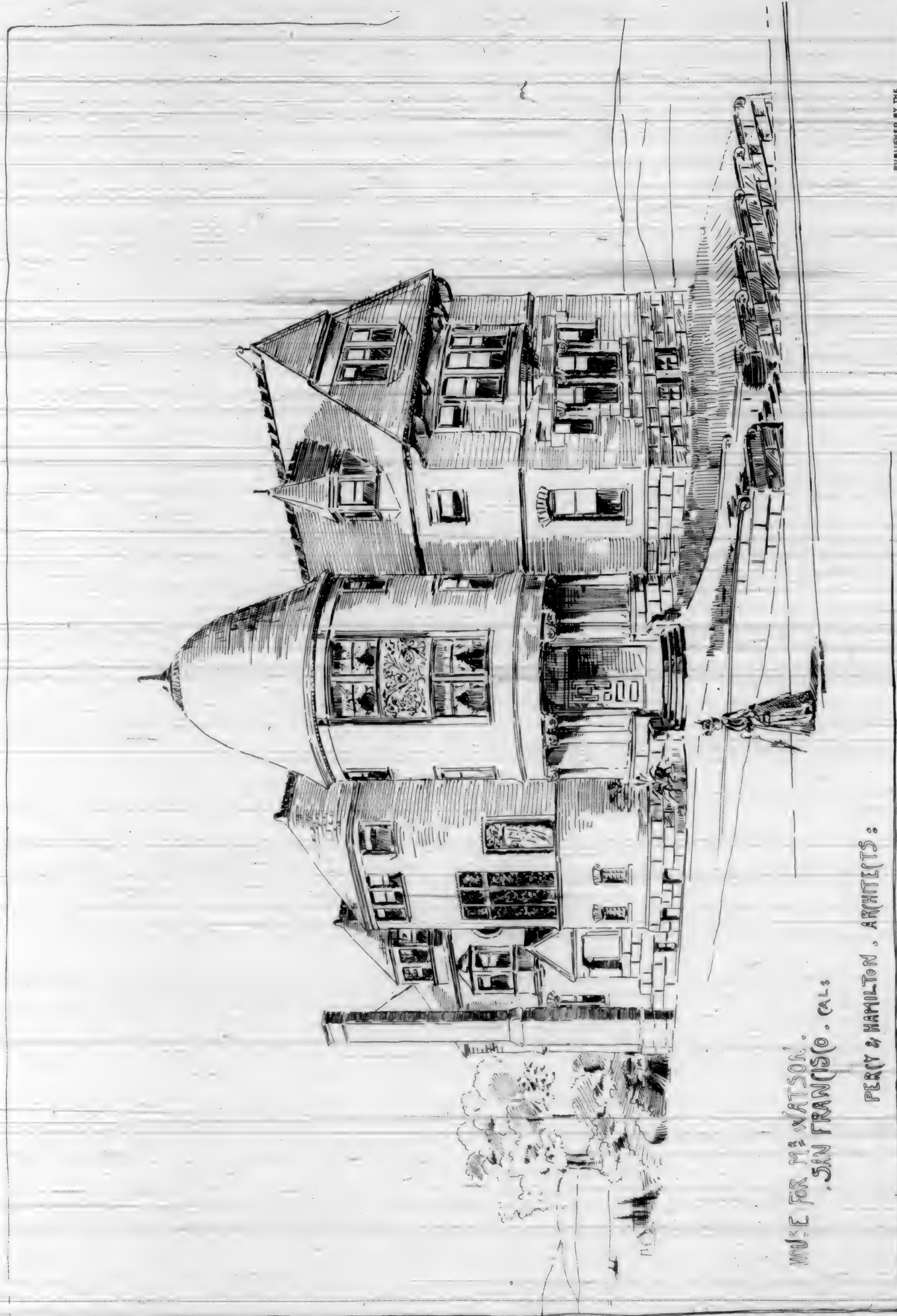
HOUSE for Mr. Watson, San Francisco, Cal.; Messrs. Percy & Hamilton, Architects. The basement and main story are of concrete and brick and the two upper stories are shingled.

THE sketch of building and landscape was worked out by Mr. Clarkson Swain. These sketches are three in number and so picturesquely delineated as to furnish artistic ideas to designers for rural buildings. Cottages and farm buildings may appropriately take on this character of design. The two remaining sketches will appear in later numbers.

THE building on the corner of Geary and Polk streets was designed and carried out by Mr. R. H. White, Architect, San Francisco. The exterior of the lower stories is finished with rustic boarding and of the upper stories with shingles. The building is arranged for a boarding house and flats.



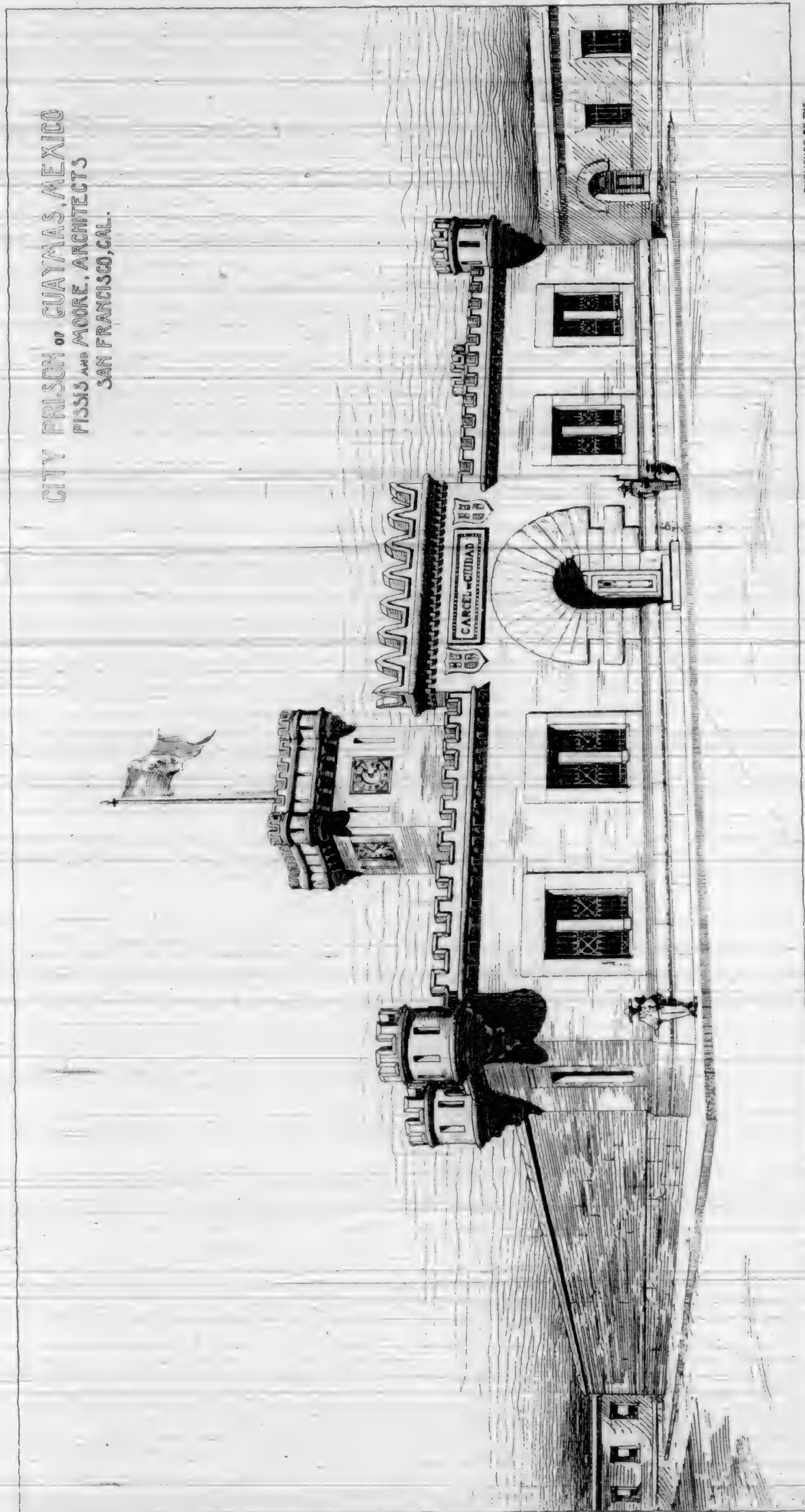
THE CALIFORNIA ARCHITECT AND BUILDING NEWS.



PUBLISHED BY THE
CALIFORNIA ARCHITECTURAL PUBLISHING CO.
SAN FRANCISCO, CAL.

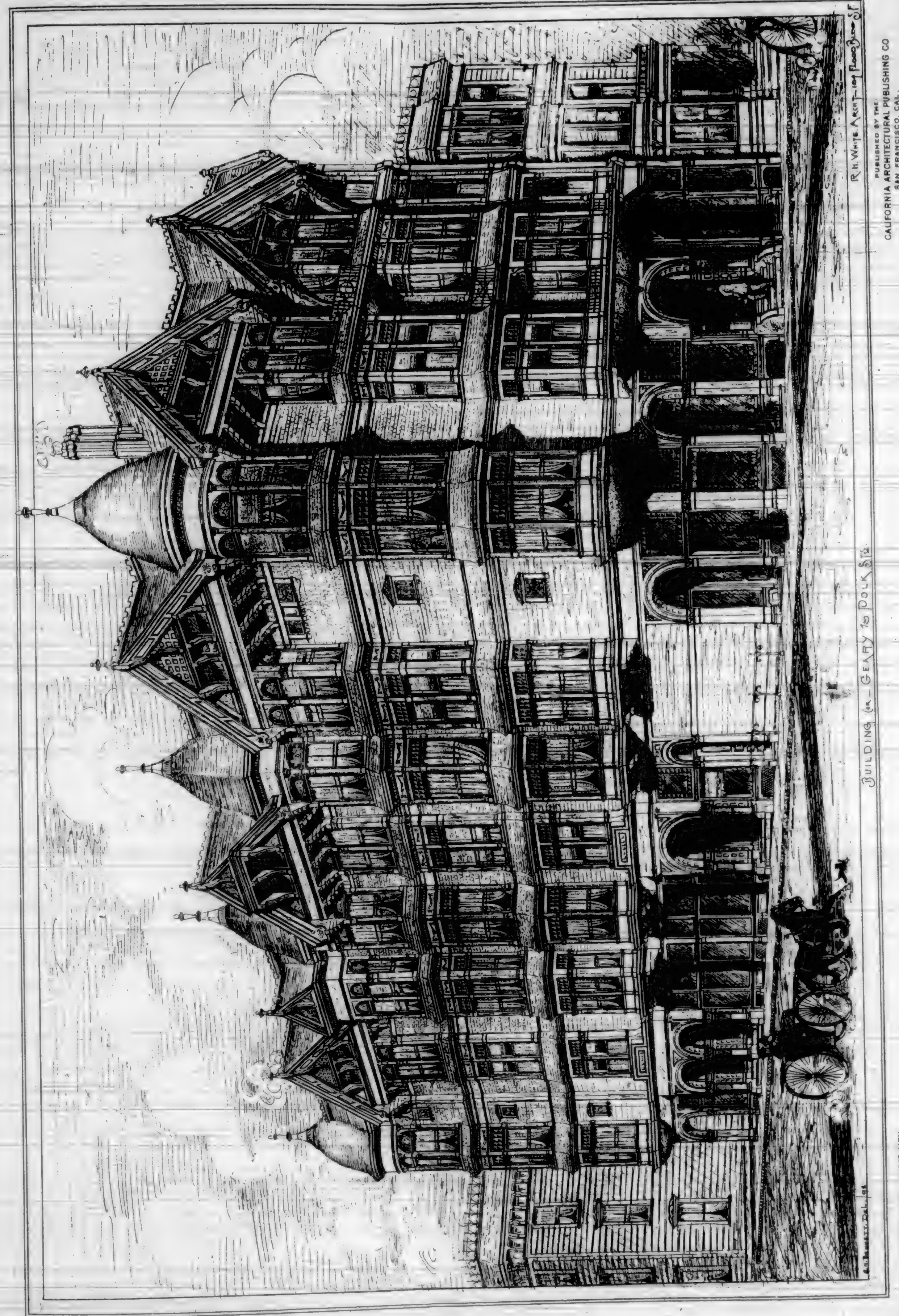


CITY PRISON OF GUAYMAS, MEXICO
FISCH AND MOORE, ARCHITECTS
SAN FRANCISCO, CAL.



BRITTON & REY PHOTO. LITH.

PUBLISHED BY THE
CALIFORNIA ARCHITECTURAL PUBLISHING CO.
SAN FRANCISCO, CAL.



BRITTON & REY PHOTO. LITH.

BUILDING FOR MR. GEARY & POLK, S.F.

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