

S. W. corner Powell and Ellis. Hydraulic Elevator; owner, E. Auersalz; architects, Pissis & Moore; cost, \$2,540; signed, Aug. 14; filed, Aug. 18; payments, 75 per cent. as work progresses; 25 per cent. 35 days.

Shotwell, near Twenty-Fourth. Alterations and additions; owner, E. Byrne; contractor, A. J. Ahern; cost, \$1,250; time, 60 days; signed, Aug. 15; filed, Aug. 18; payments, \$468.75, brown mortared; \$468.75, completed; \$312.50, 35 days.

S. E. corner 19th and Howard. Two-story frame; owner, J. O'Connor; architect, T. J. Welsh; contractors, R. Doyle & Son; cost, \$10,373; sureties, G. C. Sweeney and Thos. Winters, \$2,500; signed, Aug. 16; filed, Aug. 19; payments, \$2,500, framed; \$2,500, brown mortared; \$2,500, accepted; \$2,874, 35 days.

Sanchez, near 17th. Two-story frame; owner, J. Clark; contractors, Hauser & Maritz; cost, \$1,500; time, 55 days; signed, Aug. 16; filed, Aug. 19; payments, \$1,125, enclosed; \$1,125, brown coated; \$1,125, accepted; \$1,125, 35 days.

Scott, near Pine. Brick work; owner, H. H. Morse; architect, J. H. Littlefield; contractor, D. T. Pierce; cost, \$550; time, Sept. 2, '90; signed, Aug. 18; filed, Aug. 20; payments, first and fifteenth day of each month.

Sutter, near Sansone. Wrought iron work; owner, A. M. Parrott; architects, Pissis & Moore; contractors, Reese & Llewellyn; cost, \$5,400; signed, Aug. 16; filed, Aug. 20; payments, 75 per cent. as work progresses; 25 per cent. 35 days.

1119 Twenty-first. Alterations; owner, J. W. Tully; architect, J. C. Newsom; contractor, J. B. Taulman; cost, \$1,135; signed, Aug. 12; filed, Aug. 15; payments, \$315, foundations in; \$300, partitions up; \$500, completed.

Third, bet. Howard and Folsom. Carpenter work; owner, Henry Goldstein; architect, W. H. Armistead; contractor, M. C. Lynch; sureties, J. F. & A. W. Kennedy; \$147.50; cost, \$5,870; signed, July 1; filed, Aug. 25; payments, \$1,250, framed; \$1,250, brown mortared; \$1,250, white mortared; \$650, completed; \$1,500, 35 days.

Turk near Lyon. Two-story frame; owner, M. T. Carroll; architect, J. J. Clark; contractor, W. A. Van Dervort; surety, R. P. Harbut; cost, \$385; time, 60 days; signed, Aug. 27; filed, Aug. 29; payments, \$500, enclosed; \$500, inside finish is completed; \$500, 35 days.

Turk bet. Pierce and Lott. Brick work; owner, L. M. Weisman; architect, W. H. Armistead; contractor, I. Ewing; cost, \$4,270; signed, Aug. 18; filed, Aug. 23; payments, \$1,100, framed; \$1,100, brown coated; \$1,100, accepted; \$1,070, 35 days.

Valencia between 27th and 28th. Carpenter work; owner, St. Luke's Hospital; architect, Townsend & Wyneken; contractor, A. H. Plummer; cost, \$498; signed, Sept. 5; filed, Sept. 6; payments, \$90, building is raised; \$941, brown coated; \$9, 0, first coat of paint on; \$50, accepted; \$1247, 35 days.

Webster near Haight. Two-story building; owner, T. W. Tamm; architect, A. J. Barnett; contractor, Donovan & Williams; cost, \$1,600; time, 40 days; signed, Aug. 9; filed, Aug. 11; payments, \$600, brown coated; \$500, completed; \$400, 35 days.

Webster near Clay. Alterations; owner, M. J. Jones; architect, C. Geddes; contractor, C. E. Dunshie; cost, \$2281; signed, Sept. 4; filed, Sept. 6; payments, \$400, framed; \$500, first coat of plaster on; \$750, plastered; \$511, completed; \$720, 35 days.

Wisconsin between Napa and Sierra. Five-room building; owner, J. Duncannan; architect, R. White; contractor, J. Glackin; cost, \$2,123; time, Nov. 1, '90; signed, Aug. 11; filed, Aug. 12; payments, \$450, rustic on; \$450, brown mortared; \$400, white coated; \$400, finished.

Washington Ave. and Precita Place. Additions; owner, E. Devlin and Wife; contractor, G. M. Saulsbury; cost, \$1,200; signed, Aug. 6; filed, Aug. 23; payments, \$300, raised; \$300, brown mortared; \$300, completed.

Berkeley.

Shattuck near Lincoln street. Owners, J. K. and S. B. Pierce; architect, A. B. Pierce; contractor, I. A. Boynton; cost, \$5250; time, November 15, 1890; signed, August 25; filed, August 28; payments, \$500, enclosed; \$500, brown mortared; \$500, inside ready for paint; \$552, 35 days.

Oxford street and Berkeley Way. Owners, S. and R. Greenhood; contractor, W. A. Powell; cost, \$2700; time, December 1, 1890; signed, September 2; filed, September 5; payments, \$675, roofed; \$675, brown mortared; \$675, sashes in; \$675, 35 days.

Alameda.

Lafayette near Santa Clara Ave. Frame church; owner, Immanuel German Evangelical Lutheran Church; architect, J. E. Kraft; contractors, Herist & McLeod; cost, \$5,192; signed, Aug. 9; filed, Aug. 16; payments, \$900, framed; \$900, roofed; \$1,000, plastered; \$1,000, completed; \$1,500, 35 days.

Benton Street near Central Ave. Owner, H. Mohns, contractor, A. W. Pattram & Co.; cost, \$3,000; signed, Sept. 5; filed, Sept. 5; payments, \$500, chimneys built; \$500, exterior framed; \$500, completed; \$500, 35 days.

Oakland.

Market near 19th. Owner, A. Ainsworth; contractor, J. V. Elaburg; cost, \$3000; time, November 30, 1890; signed, August 23; filed, August 27; payments, \$310 cash in hand; \$300, framed; \$300, plastered; \$400, outside painted; balance completed.

N. E. corner 12th Avenue and E. 15th street. Owner, D. S. Carrick; architects, J. J. Newsom; contractor, C. W. Wilkins; cost, \$3232; time, 90 days; signed, August 12; filed, August 12; payments, \$600, framed; \$1016, roof finished; \$308, completed; \$308, 35 days.

Alice near 11th. Two-story frame; owner, Mrs. M. McCourtney; architect, Chas. Mau; contractor, H. Kendall; cost, \$407; signed, August 12; filed, August 14; payments, \$762, framed; \$762, first coated; \$762, second coated; \$764, completed; \$1025, 35 days.

Washington near Eighth. Three-story brick; owner, E. Hindman; architect, Chas. Mau; contractors, W. T. Veitch and Bro.; cost, \$14,750; signed, Aug. 14; filed, Aug. 14; payments, 75 per cent. of value of work done; balance, 25 per cent. 35 days.

S. W. cor. 15th and Franklin streets. Two-story frame; owner, L. R. Webster; contractor, C. B. Kimball; cost, \$1,400; time, 60 days; signed, Aug. 8; filed, Aug. 15; payments, \$1000, framed; \$500, enclosed; \$500, brown coated; \$1000, doors and windows in; \$500, painted; \$900, 35 days.

N. W. cor. Santa Clara and Bay streets. Owner, the city of Oakland; architect, Wm. Patton; contractors, McDonald & Eggleston; cost, \$23,770; signed, Aug. 13; filed, Aug. 15; payments, \$4,000, framed; \$4,000, second coated; balance, 35 days.

Two-story dwelling. Owner, J. McManus; contractor, B. K. Allen; cost, \$4,575; signed, Aug. 15; filed, Aug. 16; payments, \$1625, framed; \$1625, brown mortared; \$1525, 35 days.

Oak near 7th. Two-story building; owner, G. Beckett; architect, R. G. Frise; contractor, H. M. Smith and E. H. Lake; cost, \$3150; signed, Aug. 15; filed, Aug. 16; payments, \$787.50, framed; \$787.50, brown coated; \$787.50, windows in; \$787.50, 35 days.

San Antonio and Chestnut. One-story frame; owner, D. Tiedmann; architect, J. A. Leonard; contractors, Brecht & Diamond; cost, \$3,950; signed, Aug. 15; filed, Aug. 16; payments, \$500, framed; \$1,000, brown coated; \$1,000, white coated; \$1,450, 35 days.

Two-story frame; owner, M. E. Farren; architect, Charles Mau; contractor, E. D. Bassett; cost, \$3,875; time, 45 days; signed, Aug. 6; filed, Aug. 8; payments, \$750, framed; \$725, first coated; \$725, second coated; \$725, completed; \$750, 35 days.

N. W. corner 5th Ave. and 19th Street. Owner, S. & A. F. Mau; contractor, A. W. Pattram; cost, \$3,050; signed, Aug. 27; filed, Aug. 28; payments, \$550, chimneys built; \$700, exterior primed; \$725, completed; \$775, 35 days.

Atlantic between Wood and Pine. Owner, M. Heaney; architect, J. Spencer; contractor, R. Langtry; cost, \$1,505; time, Nov. 1, '90; signed, Aug. 23; filed, Aug. 23; payments, \$500, enclosed; \$500, coat paint outside; \$500, completed.

Alameda Avenue, near Walnut. Owner, H. Mohns; architect, A. Steinblit; contractor, A. L. Fell; cost, \$362.50; time, 60 days; signed, Aug. 23; filed, Sept. 4; payments, \$180, framed; \$240, white coated; \$301.50, completed; \$240.62, 35 days.

Walnut, near Cedar. Owner, C. P. Hoag; architect, R. G. Frise; contractor, A. C. Bryan; cost, \$2,653; signed, Sept. 8; filed, Sept. 4; payments, \$612.50, enclosed with rustic; \$663.25, brown coated; \$663.25, building primed; \$666.25, 35 days.

N. W. corner Willow and Taylor. Two-story frame; owner, C. J. Bengenson; contractors, A. W. Pattiani & Co.; cost, \$3,068; signed, Sept. 1; filed, Sept. 5; payments, \$550, chimneys built; \$500, exterior primed; \$550, completed; \$768, 35 days.

Fifth Avenue and 15th street. Two-story frame; owner, H. Tubbs; architect, Chas. Mau; contractor, J. Toobig; cost, \$3,700; signed, Aug. 29; filed, Aug. 30; payments, \$2,175, material furnished and 1/2 work done; \$2,175, 1/2 material furnished and 1/2 work done; \$2,175, completed; \$2,175, 35 days.

East Oakland.

Four dwellings. Owner, H. E. Bullock; contractors, Willmore and Richmond; cost, \$4,000; time, December 1, 1890; signed, August 11; filed, August 11; payments, \$100, ready for plastering; \$100, ready for paint; balance, 35 days.

San Leandro.

Wine cellar. Owner, T. H. Ratzan; architect, F. J. Williams; contractor, T. J. Meek; cost, \$1560; time, 60 days; signed, August 7; filed, August 11; payments, \$375, one-fourth work done; \$375, one-half work done; \$375, three-fourths work done; \$375, 35 days.

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NOTICE.

MR. George H. Wolfe, having no further connection with the business of this journal, correspondents will in future address their communications to the *California Architect and Building News*, 408 California Street, San Francisco, Cal.

NOTICE OF MEETINGS.

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

SETH BABSON, Pres. W. P. MOORE, Vice-Pres.
OLIVER EVERETT, Sec. JOHN W. CURTIS, Treas

TECHNICAL SOCIETY OF THE PACIFIC COAST, meets first Friday of each month at 408 California Street.

JOHN RICHARDS, Pres. PROF. FRANK SOULÉ, Vice-Pres.
OTTO VON GELDERN, Sec. JAS. SPIERS, Treas.

ON and after January 1, 1891 the subscription price of this journal will be \$3.00 per annum and single numbers 30 cents each.

IN our last issue the 1st mention in the Hall Clock competition should have been credited to H. J. Van Black, and the 2nd mention to S. C. Benson.

A JURY in Judge Hunt's court has given judgment for plaintiff for \$250 in a suit brought for \$2000 damages for injury to property caused by a quantity of earth sliding from defendant's lot on to plaintiff's premises.

THE mentions in the monthly competition of the A. I. A. Sketch Club for August should have read *A Country Chapel* instead of *A Hall Clock*.

THE regular monthly meeting of the San Francisco Chapter, American Institute of Architects, was held Friday evening, the 10th inst., at their rooms, 408 California Street.

President S. Babson in the chair.
About thirty architects were present, many of whom took an active part in the discussion of the evening.
Three applications were made for membership.

THE regular meeting of the Technical Society of the Pacific Coast was held on October 3d, at their rooms, 408 California street, President Richards in the chair.
The subject was an illustrated paper by Mr. H. C. Behr, on experimental works for metallurgical operations.

THE following is a translation of a review of the tenth volume of the CALIFORNIA ARCHITECT AND BUILDING NEWS, by Daniel Francken published in the *L'Emulation* of Bruxelles, the organ of the *Société Centrale D'Architecture De Belgique*. The original of which was sent to us through the kindness of Paul Saintenoy, Architect and Secrétaire Général de la Société d'Archéologie Bruxelles.

THE CALIFORNIA ARCHITECT AND BUILDING NEWS.

AT the beginning of this century, California was hardly known in Europe, being then a tributary of Spain. It was acquired by the United States of America in 1848, and soon became celebrated by the discovery of its gold mines. The placers worked by new comers rushing thence from all parts of the world, produced untold riches, as much as four hundred millions of francs in one year. The other productions of the soil, silver, borax, sulphur, coal, tin, coal-oil, etc., favored the growth of a new cosmopolitan civilization of considerable extent, which caused the springing up of numerous cities rapidly and richly built. Immense forests producing trees of colossal size, consisting of firs, cedars, pines, etc., thus favoring the construction of frame dwellings by the inhabitants solely in accordance with their fancy, and somewhat in the style in vogue in their country. Hence, fancy and diversity are the chief characteristics of California architecture. Although Sacramento is the capital, San Francisco is the most important city in the State, of which the CALIFORNIA ARCHITECT gives many illustrations. This city is situated on the San Francisco Bay at the

Golden Gate, and is bounded on the west by the Pacific Ocean, and not far away are the mouths of the two great rivers, the Sacramento and the San Joaquin. This city is destined to become one of the principal ports of North America, and has been justly named the "Queen of the Pacific."

The CALIFORNIA ARCHITECT is a most interesting publication, counting already twelve years of existence, and showing the splendor of that country by means of drawings well executed, of numerous private dwellings, hotels, establishments of public utility, of luxury, of science of art, etc. Certainly in looking over that journal, the text of which is in a language with which I am too imperfectly acquainted, the mixtures or incongruous architecture here somewhat startled me. But from a more extended examination most of the plates that illustrate the journal are very neatly executed, and that notwithstanding the cosmopolitan influence, a very picturesque and most interesting style of architecture has been developed in that new country. In the first place most of the buildings are isolated, the main streets are lined with houses surrounded with gardens and terraces, hence results a perspective view of projecting roofs and walls very pleasing to the eye.

The large constructions, the buildings for revenue, the hotels, &c., are constructed of gigantic proportions. The great aim of the California constructors seems to be to astonish by enormous size, than by artistic refinement. However, certain buildings are very elegant.

The one of Messrs. Salfeld & Kohlberg on Market street possesses an *avant corps* which certainly is not wanting in good qualities.

Mr. Mooser, in his Metropolitan Temple, has made a success of the upper portion of his edifice. It is to be regretted that the ground floor, and the first story are treated in a manner too impoverished.

The Hibernia Bank, by Messrs. Pissis & Moore, is conceived in the classic style, and possesses beautiful qualities, and the purity of its lines, prove for its authors, real artistic researches. The dome that crowns the rotunda blends very gracefully with the other portions of the edifice.

Messrs. Pissis & Moore have also erected a building very well proportioned; it seems to represent a private dwelling of a very fine aspect. The perspective drawing shows us the two fronts, one of which, adorned with a portico, decorated with a double arcade, preceded by an exterior stair case with a lateral flight leading to a platform forming a terrace. The second front is flanked with a two-story bay window, on graceful brackets, surmounted by a balcony, covered by a very projecting roof. The two fronts are united by a cut-off corner, ornamented by a story higher than the roof, the ground floor of which forms the principal entrance. This entrance is decorated with a semi-circular arcade resting on isolated columns after the Italian style; the first story is adorned with a handsome bay window supported by a rounded corbel.

Certain villas denote great originality, and I am sure that in execution they produce general effects very pleasing to the eye, built for the most part on an irregular plan, adorned with stairs placed on the exterior, and of large platforms covered with great roofs, of basements constructed of rough stone, they constitute very curious specimens of American architecture. The use of large semicircular arcades, and of certain elements borrowed from the Nations of the Orient, help to add still more to the picturesqueness of the City of San Francisco. Moreover, the joints of the stone work, and the mode of construction, partly sham, the very ingenious use of lumber for framing of certain buildings contribute greatly to the decorative effect of many dwellings. Here and there you find architecture recalling the Middle Ages. A porch of Messrs. Wright & Sanders is in-

teresting, excepting the upper part, where great weight is not very graceful. Let us also call attention to a coquettish chalet of Mr. T. H. Cole, who has conceived the idea of giving to the windows of the ground floor the shape of the circle. The group of buildings by Mr. Barnett on Haight street betrays its English origin. The *Marquam*, by Mr. J. M. Wood, whose dimensions cannot find their counterpart in this country, the principal facade alone, without counting the other two, is pierced with more than two hundred windows.

The residence of Mr. W. H. Crocker erected by Messrs. Curlett & Euthbertson, offers, although without a very definite style, a very curious *ensemble*, and is most attractive in all its parts. Erected on an enormous stylobate of rough stones, it raises itself gracefully on an irregular plan. The gables of wood are well arranged, and ornamented with balconies, chimneys and bay windows. One of the angles is flanked by a tower, a little massive perhaps, but very originally studied. The principal entrance, preceded by a flight of stone steps of generous dimensions with double ramps, is decorated with a semicircular arch, with the center raised, formed of large rough stones, and resting on sphinxes in repose. The entrance is of colossal aspect, unhappily supporting only a terrace, and has no *raison d'être*. The balance of the building is of wood. The same plate, due to photography, shows us in the back ground an angle (or corner) of a beautiful specimen of a renaissance building, which I regret, was not reproduced in a complete state in the publication. I conclude this rather long review by congratulating our California *confrères*, and in the name of the *la Société Centrale*, thanking them for the very interesting numbers of their Journal which we have received through their courtesy.

Daniel Francken.



Correspondents must not forget to give their names and address, as the editors cannot publish anonymous communications, nor will they hold themselves responsible for opinions expressed by their correspondents.

SAN FRANCISCO, Oct. 3rd, 1890.

EDITOR CALIFORNIA ARCHITECT AND BUILDING NEWS,

DEAR SIR:—I beg to call the attention of your readers to the subject of the proper construction of fire-doors and shutters, a matter of vital importance in any fire, and especially so in the sweeping conflagrations which eventually come to all large cities.

Notwithstanding constant agitation of the subject, and the use of illustrated circulars to keep proper construction before the public, it is a fact that the popular idea of a fire-proof door or shutter is still one of iron, presumably because iron is not inflammable. While iron will not burn, it will so warp and twist when exposed to intense heat as to be of little or no use as a protection. So general is the predilection for iron, that frequently before openings are cut between adjoining buildings, it is inserted in the lease that the opening shall be "protected" with a "first-class iron door."

It is a well-established fact that the reliable fire-door or shutter is that made of two thicknesses of matched boards placed crossways and nailed together with iron clinch nails. Covered with tin laid as in roofing so that the nail heads are covered, carefully fitted, and properly hung, using bolts instead of screws in hangers and fastenings, such a door or shutter is invincible. To protect a communication between two buildings, (the weak point in event of a fire in either) such doors should be placed on each side of the wall, the air space between the two being an additional protection.

L'UNIQUE, A NEW ART.

More thought has been given at different periods of civilization to the obtaining of esthetic effects for the interior of residences than, perhaps, any other matter in the history and evolution of architecture, and in our sunny California it is interesting to note the growth of refined taste to which so many of our architects are now called upon to cater. Our State, we consider, is as remarkable for its architectural growth as it is for the enterprise and liberality of our many millionaires. It is suggestive to the ambitious designer, that here in the far West, the elegant portiere has within a decade or so supplanted the miner's gunny sack which once draped the openings of his mountain castle, and that the elegant "modern residence" of the Queen Anne, or other type, has taken the place of the "candle box" style which was once the pride of the "contracting architect, shingler and builder" who furnished "plans," etc., for *glory*, and made the rattle-trap thing cost in extras and repairs twice the amount of his original contract. It is, therefore, encouraging to note architectural advancements made in residences and business structures in both city and country, and, also, a real growing demand among clients for the many modern features which go to make the American home beautiful, "a joy forever." Hence, it is with much pleasure that this journal announces the introduction of a new (and a California) art—L'Unique. It is intended for the decoration of walls, ceilings, cornices, centers, pilasters, columns, arches, etc., and is susceptible of the widest range of unique design, and semi-oriental treatment. Its combination with natural wood finish together with the delicate tones and reflecting lights of art glass, stained and embossed, bring about a union of rich features that make the *ensemble* of a suite of properly furnished rooms an esthetic whole that brings a thrill of pleasure to the tired thought of the business man, or the devotee of society who, when they enter such richly equipped apartments can say, "I'm now at home." L'Unique has to be seen, neither a photograph nor words can make it clearly understood; however, we may mention that the material of its composition is the most durable known to science in the stucco art. It is susceptible of being treated in a variety of sunk, raised, geometrical or conventional figure work, which, when artistically treated in color and bronze, give effects which are decidedly Oriental in their rich character. The art as its name implies is destined, by the cultured hand, to stand alone in kind and excellence. For the housekeeper it has the advantage (although showing a roughened surface,) that it will not absorb dust, for the reason that its composition makes it entirely impervious to moisture, and when finished a coating of material is applied which forms a chemical combination, giving an enameled surface to the work to which the dust will not adhere. It constitutes the richest and most natural background yet brought out for modern furniture, and its assimilation therewith gives the impression that the room itself is but a part of the setting. L'Unique bears such a variety of treatment, both in ground work and in the coloring, etc., that no two apartments need be finished alike, and the eye in wandering from room to room meets with a constant yet harmonious change of surface, just decorated enough to be pleasing and appropriate.

The excellent exhibit of a large variety of designs in this art may be seen on the walls of the western end of the promenade adjoining the Art Gallery of the present Fair of the Mechanics' Institute. The inventor and patentee is Mr. T. Tucker, of No. 1816 San Pablo Avenue, Oakland, California. Mr. Tucker has finished and decorated the best apartments of many elegant residences in this style which in most instances has drawn such an influx of visitors as to hinder the workmen so that the admission of visitors was relegated to those most interested.

FIRE APPARATUS.

A fine display of fire hose, hose reels and fire apparatus is made by W. T. Y. Schenck, 222 and 224 Market street, the most noticeable being the Schenck Swinging Hose Reel rated by the Insurance Union to be the most perfect and reliable inside fire protection it is possible to procure. The reel is attached to the wall out of the way and is a very handsome ornament, forty-eight of them being recently placed on the hall walls of the Palace Hotel, and they are specified by the architects to go into all the prominent buildings now being erected.

The house manufactures all kinds of fire apparatus and is the only establishment making a specialty of such work on the coast.



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.

THE illustrations for this number are, A Perspective View of a Suburban Residence with 1st and 2nd floor plans by Seth Babson, architect.

PERSPECTIVE View and floor plan of a Bank Building suitable for a large city by F. R. Barker, architect.

A FRONT View of the Entrance to the London and San Francisco Bank, S. F. by David Farquharson, architect.

CALIFORNIA VENEERS.

California and the Pacific Coast is noted throughout the world for its wonderful productions, and not the least of these are the ornamental woods suitable for the most delicate effects of the artistic designer in fancy woods, wherever he may be found, whether in the countries of the new or old world. Their beauty is appreciable by all, from the savage to the most cultivated aesthetic taste, their rich tones and ever changing shades cannot fail to bring exclamations of approval. If the wonderful Aladin was now to build his palace the expert sprites would certainly procure their fancy woods from this part of the world.

At the Fair of the Mechanics' Institute, now being held in this city, there is an exhibit of veneers by the California Veneer Works, R. P. Hurlbut, Manager, 539 to 563 Brannan street, this city, which for beauty surpasses the most fairy dreams of the artistic wood worker. Here can be seen our native red wood in all its varied beauty, such as burls, roots, curls, curly bolts, of all shades, mottled, specked, feathery, clouded and sprayed, from the thickness of paper to two inches or more, and showing a combination of rich tones unattainable with any other wood. Here also is shown some artistic furniture and mantels, carved and plain, but all worked in a manner to display the contrast of the different shades and grains of the wood. The finish is varied throughout the large collection of woods exhibited, some showing the natural wood smoothed, but without varnish or polish, others are oil finished, varnished or polished, etc. When we view this superb display it seems astonishing that eastern architects, designers, and manufacturers of artistic wood work should be so slow to look into the adaptability and beauty of our Pacific Coast woods.

USE OF GAS STOVES.

The fuel and the appliances to be used for cooking and heating for the homes of the period are subjects which are at present receiving a marked degree of attention. To the manufacturing gas companies it is of the first importance, and the manufacturers are concentrating their attention to the practical development of an article that will be satisfactory as an illuminant and at the same time have the requisite qualities for a fuel gas.

Gas stoves for cooking are supplied in various patterns from the single burner to six and eight heating places, having burners ranging from six to twenty feet each per hour. The ranges are in some cases supplied with water backs, the tops may have steel or cast iron plates, and ovens are made close or ventilated that bake quickly and evenly. Nickel plated trimmings and pipes with perfect combinations which regulate the supply of gas. The heating stoves are made plain or rich in design, many showing unique features and ornamented with tile work. With the great variety of stoves made the different systems of burners would naturally follow, thus we find the old and well tried Bunsen principle, and the small, sharp, blue flame distributed over a larger surface, each presenting superior claims for efficiency for special purposes.

After all the experience of recent years there can be no doubt of the superiority of gas over the ordinary fuel for cooking and heating purposes, and as the wants of the consumer become known new appliances will come into use to meet the demand. Among the many advantages of gas over coal are economy, security, convenience, cleanliness, being free from the smoke, ashes, soot and dust nuisance, and in lessening the labor and expense of handling the coal and ashes, also the saving of kindlings. The coming man will be surprised at our patiently enduring the smoke, ashes, soot and dust for so long a time after science had demonstrated the economic methods of gas as fuel. The efficiency of cooking by gas has been demonstrated by recent tests which showed that meat retains its weight and nutrition better when cooked by the gas process than when coal is used. With gas the cooking can be commenced at once while by the coal stove the fire must be made some time before. By the coal stove, food that required two hours and forty minutes from the time of lighting the fire till ready to serve, took only one hour and fifty minutes to do the same work equally well, and when the gas was turned off the expense was stopped, while with the coal stove the remaining charge of unburned coal and heat being lost. By the present neat gas range, which is always ready for instant service, and free from dust, soot, fuel or ashes and the attendant labor therefor, the culinary operations are a pleasure, the heat being so perfectly under control that the most delicious dishes can be prepared, done just to a shade, to suit the most fastidious taste of the discriminating epicure.

The growing demand and increasing use of gas stoves and heaters is of the highest importance to the architect. Naturally any device whereby such a radical change is made in the mode of cooking and heating as that at present taking place by the substitution of the gas system for that heretofore in use, requires special arrangements in the planning of the house in order to meet such improvements in the most complete manner.

TERRA-COTTA.

The history and manufacture of terra-cotta dates from prehistoric time, unglazed pottery of very ancient origin having been found. The potter's wheel and vessels of burnt clay were common articles among the nations that existed more than 4000 years back, and now when we want the most enduring material known we resort to the prehistoric terra-cotta. During the last few years science has greatly assisted the manufacturer so that now, prepared clay having the proper chemical constituents can be worked for any intended purpose whatever, and colors may be introduced into the plastic mass to give any desired effect, so that this valuable product can be made to harmonize with any other material. It is only within the last few years that wooden framed walls and partitions, have been constructed with fire resisting terra-cotta hollow tiling, in such manner, as to form a complete barrier to the spread of fire. Interior columns,

beams and girders encased in terra-cotta, has become so general in use that the fire proof building is the rule rather than the exception. Terra-cotta is more particularly used for the higher class of brick buildings, where more or less ornamental and art work adorns the exterior on account of its durability and fitness for moulded or modeled work of either a structural, ornamental or monumental character. Where exposed to the weather colored stone will fade, grow dull and lose its contrasting effect, while terra-cotta retains its color and gives the combination of tints and shade as originally intended by the designer. At the Mechanics Fair is an extensive and beautiful display of terra-cotta in all its various forms as manufactured by Messrs. Gladding, McBean & Co. 1358-1360 Market street, this city, which is a magnificent testimonial for the high class of the articles manufactured by them. The care and precision observed in working out the constructive details is apparent throughout all the examples. The product from this house may be seen throughout our city, such buildings as the Pioneer Hall, Chronicle Building and many others show to advantage by their use. The modeled work for heads of persons and animals shows a practical art knowledge of such subjects as fitted for special positions to produce the intended effect. Special designs of architects are taken and worked to order for particular purposes.

IMPROVEMENT FOR SASH BALANCE.

One by one the old and cumbersome methods of the past age are being replaced with new and improved appliances whereby the convenience of the household is increased to such an extent as to render life more pleasant for the rich or poor alike. As a troubled state of the mind is not considered beneficial either for health or long life, consequently, any improvement in the construction of buildings, whereby the mind is brought to a condition of calmness and contentment, must necessarily prove beneficial. Who has not heard the remark upon opening or closing a window, "I wish somebody would invent something that will work better than this." Now, just here comes in the California Sash Balance Company, who are prepared to furnish a new device, acting upon an entirely different principle from anything heretofore used for this purpose. This appliance is one of those improvements, that the more it is critically examined, the more apparent are the advantages to be derived from its use. The device is the invention of Dr. Benjamin Marshall, of this city, who has carefully studied out the details to the present practical adaptability for the purpose intended. In this new arrangement, the cords, weights, pulleys, box frames, together with the resultant annoying repairs and expenses are entirely done away with. When designing small brick or terra cotta piers between windows, it often becomes necessary, in order to make room for the boxes for weights, that such piers should be from four to eight inches larger than would be required if no boxes were used, so that with this new balance the piers may be reduced to a size calculated by the designer. The moving power which balances the sash being one or more double spiral springs which are let into the sash in a manner not to weaken the sash. For the lower sash the spring is worked into the lower rail, and for the upper sash into the upper rail. On the outer end of this spring is a cog wheel working against a toothed rack secured to the frame, while in the sash is a sunk turn-key connected with a sliding pin bolt which locks into the cog wheel, thereby locking the cog wheel to the rack, so that either the lower or upper sash can be easily locked in any desired position. In many cases, such as lower story windows, and windows opening on balconies, halls, light corridors, etc., this device is the most applicable of any yet brought forward. The springs are made of the very best spring steel to be had, and worked and tempered especially for this purpose. The torsion of the spring is set to regulate the tension to any weight of sash. The device has the elements of durability and economy, and is easily applied, owing to its simplicity; the windows cannot rattle, and the balance can be regulated to a degree of delicacy hitherto unknown. This invention has been ordered for the following new buildings in course of erection: Crocker Building, D. O. Mills Building, San Bernardino Insane Asylum, and many private residences. A window complete with this arrangement is at present on exhibition at the Fair of the Mechanics' Institute.

DISPLAY OF ORNAMENTAL WOODS.

Among the many interesting displays that meet the eyes of visitors at the Mechanics' Pavilion, there is one, which no doubt, all will examine with surprise; that of the display of ornamental native woods, by A. J. FORBES & SON, 213 Mission St.

That there should be such handsome specimens of ornamental woods obtainable from the common red wood, white cedar, and myrtle, specimens that rival in beauty the fine woods that are imported from the countries south of us at great expense, is probably known to but few of the observers, and they may take the statement with a great deal of allowance when it is made, that the woods from which these specimens are obtained, are cut up and sold by the car load for fire-wood.

The first and most important on exhibition in its adaptability for construction of cabinet work, is the *Madrone*, this wood has a fine grain, is easily worked, and is very strong. It is unexcelled for the numerous uses to which it can be applied.

Then comes the *Myrtle* a strong and beautiful wood. The exhibitor says, "we have boards forty inches in width perfectly sound." Next in importance in the cabinet-shop is the *Port Orford Cedar*. The specimens on exhibition are probably the finest that have ever been seen, rivaling the famous *Satinwood*. The *Sycamore* is used for flooring and for the manufacture of domestic utensils. The *Nutmeg* wood is extensively used in the northern part of the state. The Red wood specimens are from the most prominent mills on the coast. A burl from C. A. Hooper's mill is, for its size (5 feet, by two feet 6 inches) the most perfect piece of burl that has been seen in this market, nor could it be matched in any country outside of California. Those from Dolbees & Carson, Fort Bragg, and from Capt. C. Nelson's mills and others from Humboldt, Mendocino and Tulare counties are also beautiful specimens of curly *redwood*. These do not comprise all the cabinet woods of the state, but these have all been tested and can be relied upon, and in the skillful hands of A. B. Forbes & Son, can be wrought into household furniture, office and store fittings, and bank decorations that will please and satisfy the most fastidious of tastes. To them we recommend all who are particular in having their work done in the most substantial manner.

BRICK.

The manufacture and use of bricks made of clay, and burnt to a degree of hardness to withstand the weather, and of strength sufficient to sustain the weight of structures erected to a considerable height was known and practiced by the nations of the earliest times. Assyrian, Egyptian and Greek history mentions bricks as a common building material. The ancient cities of Pompeii and Herculaneum were built, mostly, of bricks or tiles made 17 inches long, 11 inches wide, $1\frac{3}{4}$ inches thick. In the Coliseum at Rome the thickness ranged from $1\frac{1}{4}$ to 2 inches, and Dutch, French and English $1\frac{3}{4}$ to $2\frac{1}{4}$ inches till about the 14th century. At present the American bricks range from 2 to $2\frac{1}{2}$ inches; thus from the experience of centuries in brick making it seems that not more than three to four inches thickness of material should be used to insure a substantial article. The first building erected in America of which we have any account was built on Manhattan Island in 1663, the bricks having been brought from Amsterdam. Many improvements have been made at different times in the art of making bricks so that at this time it has become a science which requires technical knowledge in combination with experience of an advanced order; and machinery of the best kind made expressly for the work in hand. By the old methods of working and molding the clay the bricks were as strong or stronger in the direction of the width as in the length, while by the present method there is formed a kind of grain running lengthways thus making a stronger brick, consequently a stronger wall than if built with the ordinary article. At the Fair of the Mechanics Institute now being held in this city, a splendid array of pressed and moulded bricks and terra-cotta work, made by the Union Pressed Brick and Terra-cotta Co. (whose office is in the Flood Building, this city,) cannot fail to please the architectural and building fraternity. Bricks and tiles are here shown ranging through all shades and tints of color, from light buff to a rich dark chocolate; and Roman tiles of various shades, also some beautiful ornamental terra-cotta, especially a mantle for a fire-place of most delicate carving. All the products from this firm show a close texture and even surfaces, square corners, clean cut moldings, and good color.

They make molded bricks of any size, pattern, design, or color, having the faces picked, vermiculated, ribbed, beaded, moulded, and in imitation of any style of face cut stone work. The color of these bricks being permanent, fulfills the requirements of a material having a lasting chromatic effect.

THE GARDNER SASH BALANCE CO.

Have recently placed on the market in this city, their Steel Ribbon and attachments for Sash Balance. This balance presents so many desirable features for practical use that it will well repay any person interested in the subject to investigate the matter for themselves, while they have the present opportunity at the Mechanics Fair, where a window fitted up complete is on exhibition. These attachments consist of a *steel ribbon* passing over flat grooved pulleys, and are secured to the sash and weights by means of brass loops and clasps. These ribbons are manufactured expressly for the purpose from the best crucible steel, and galvanized by a *special process* which effectually prevents them from corroding by dampness or on exposure to the atmosphere.

The attachments are very simple yet *perfect* and every detail has been worked out to render them durable in the highest degree, and not at all likely to get out of order. The friction being reduced to the minimum, the heaviest as well as the lightest windows can be raised or lowered with the greatest ease. It presents a neat appearance and can be painted or stained to harmonize with the wood work of the window. It is now in use in many of the principal business blocks in Chicago, where it is rapidly replacing the old style cords and chains. In Pullman, orders have been issued to change over two thousand houses from the old style to the Gardner system. No specially skilled expert is required in its application, it being an easy matter to change the pulleys and attach the new ribbon in place of the old cords. For further information see advertisement on another page. Chas. A. Hare, Pier 5 Stuart street, this city, who is the agent for California, can show many letters of recommendation from architects and others who have used them and express their satisfaction.

ON THE USES OF TILE.

The ornamentation of interiors is constantly becoming more complex and luxurious, especially is this the case in the uses of encaustic and enamel tiles, and their employment in dwellings of even the cheaper grades has developed extraordinarily during recent years.

Nowadays a residence is hardly considered complete without its tiled vestibule in the the various shades of inlaid, intaglio or mosaic flooring tile. There are some very pleasing examples of this kind of work to be found in the floors of some of our principal banks, insurance offices and Cafés.

Tiles are also used to good effect in kitchen and bathroom floors where their employment is at once durable, cleanly and pretty.

Tiles in plain and decorative glazes of highly artistic effects in form and color are now used very extensively in the ornamentation of fire places.

We were lately shown in the tile ware rooms of W. W. Montague & Co. some plastic enamel tiles for hearth and grate decorations. They have lately received some samples of head and full length figure work in the more delicate shades of old rose, amber and onyx, with which some pleasing and artistic effects can be obtained in the facing and paneling of wooden mantels.

The mantels of the present day, made of various kinds of polished wood, with their bevel French glass and majolica and enamel tile and bronzed grates are such a pleasing contrast to those formerly used, that it is no wonder that wood and tiles are entirely superseding the use of marble for this purpose, even in our most unpretentious dwellings.

As a matter of progress, the substitution of tile for wood wainscoting of bathrooms and kitchen sinks, wash stands etc., marks an advance of public taste that is truly gratifying.

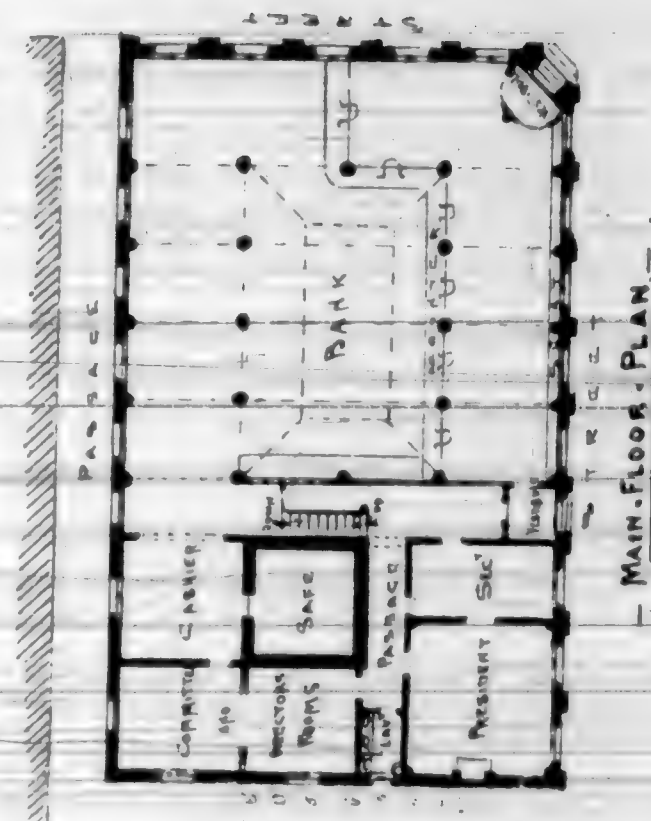
Messrs. Montague & Co. have lately tiled some bathrooms in this city that are marvels of elegance, and it is not alone in a matter of beauty that this departure in bathroom wainscoting is desirable, but tile is so much more durable and cleanly than wood, that it is a wonder that their use for this purpose has been so long delayed.

We cannot close this article without referring to some of the very handsome grates and grate trimmings in bronze, nickel and antique brass exhibited by this firm.

CITY BUILDING NEWS.

- Buchanan** and Washington. Carpenter work; owner, A. G. Hayes; architect, A. P. Brown; contractor, J. B. Gonyean; cost, \$15,160; time, 6 months; signed, Sept. 11; filed, Sept. 21; payments, 75 per cent as work progresses; 25 per cent, 35 days; Plumbing. Contractor, Duffy Bros.; cost, \$1,700; signed, Sept. 12; filed, Sept. 24; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- Bryant** near Sixth. Three-story frame; owner, G. Ruckstetter; architect, C. M. Rousseau; contractors, F. E. Kinsley & H. Hodgkins; sureties, A. T. Hyne and N. McRavy; cost, \$400; cost, \$5,500; signed, Sept. 11; filed, Sept. 15; payments, \$1,376, framed; \$1,376, brown coated; \$1,376, accepted; \$1,377, 35 days.
- Barker** near Turk. Frame building; owner, J. O'con; contractors, Johnson & Crawford; cost, \$3,730; time, 70 days; signed, Sept. 19; filed, Sept. 19; payments, \$1,246, ready for plastering; \$1,246.50, completed; \$1,246, 35 days.
- Broadway** near Fillmore. Carpenter work; owner, R. W. Wilson; architect, P. R. Schmidt; contractor, T. H. Day; cost, \$14,000; signed, Sept. 19; filed, Sept. 20; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- California** near Buchanan. Carpenter work; owner, C. Ryan; architect, J. J. Clark; contractor, J. J. Wilson & C. Johnson; cost, \$3,850; signed, Sept. 12; filed, Sept. 16; payments, \$200, framed; \$200, brown mortared; \$200, inside finished; \$1150, 35 days.
- Clay** near Lyon. Carpenter work; owner, C. K. Mann; contractor, G. M. Saulsbury; cost, \$1130; filed, Sept. 12; payments, \$500, enclosed; \$630, 35 days.
- California** and Devisadero. Alterations; owner, F. P. Hooper; architect, E. De- pierre; contractor, V. Y. Dunn; cost, \$3745; signed, Sept. 11; filed, Sept. 13; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- De Long** near Frederick. Carpenter work; owner, H. J. Foley; architect, Town- send & Wyneken; contractor, R. O. Chandler; cost, \$3062; time, 90 days; signed, Sept. 16; filed, Sept. 16; payments, \$763.50, framed; \$763.50, brown coated; \$763.50, 35 days.
- Eureka**, bet. 17th and 18th. Carpenter work; owner, L. Wyatt; contractor, H. Dreyer; cost, \$3000; time, 30 days; signed, Sept. 23; filed, Sept. 24; payments, \$750, framed; \$750, brown mortared; \$750, white coated; \$750, 35 days.
- Elizabeth** near Sanchez. Frame; owner, E. and N. Forrest; contractor, G. M. Saulsbury; cost, \$1150; signed, Sept. 16; filed, Sept. 18; payments, \$362.50, framed; \$362.50, enclosed; \$362.50, 35 days.
- Fair Oak** near 26th. Carpenter work; owner, P. Longstacken; architects, Salfeld & Kohlberg; contractor, L. M. Weismann; cost, \$3975; signed, Sept. 23; filed, Sept. 24; payments, \$1,000, enclosed; \$1,000, white coated; \$775, finished; \$1000, 35 days.
- Folsom** near 23rd. Two-story frame; owner, T. R. Curtis; architects, Shea & Shea; contractor, J. M. Hunt; cost, \$4,120; signed, Sept. 23; filed, Sept. 26; payments, \$80, rough framed; \$319, brown mortared; \$319, hard finished; \$319, completed; \$1,132, 35 days.
- 772 and 772 1/2** Folsom. Alterations; owner, E. Robinson; architect, E. Depierre; contractor, R. N. Nelson; surety, Y. Silver; cost, \$1,000; cost, \$1,150; signed, Sept. 10; filed, Sept. 13; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- Filbert** near Buchanan. One-story frame; owner, D. Cunningham; contractor, I. T. Hayes; cost, \$1,800; filed, Sept. 10; payments, \$450, framed; \$450, roofed; \$450, white coated; \$450, accepted.
- Guerrero** near 24th. Carpenter work; owner, H. G. McVicker; architect, W. J. Matthews; contractor, W. Linden; cost, \$5,763; time, 30 days; signed, Sept. 6; filed, Sept. 10; payments, \$1000, 1/4 of work completed and certified by architect; \$1000, 1/4 of work done; \$1 00, 1/4 of work done; \$1000, 35 days.
- Hawthorn** near Folsom. Two-story frame; owner, P. Mulligan; architect, J. T. Hogan; contractor, McNeil & Welden; cost, \$3,007; time, 75 days; signed, Sept. 23; filed, Sept. 23; payments, \$500, framed; \$626.70, brown mortared; \$563, white coated; \$563, accepted; \$750, 35 days.
- Harrison** near Eleventh. Two-story frame; owner, P. Forsythe; contractor, D. Hart- nett; cost, \$3800; signed, Sept. 23; filed, Sept. 23; payments, \$700, framed; \$700, brown coated; \$700, white coated; \$700, completed; \$650, 35 days.
- Henry** near Noe. Two-story frame; owner, E. J. Timney; architect, Shea & Shea; contractor, J. Dyar; cost, \$4000; signed, Sept. 16; filed, Sept. 25; payments, \$750, framed; \$750, brown mortared; \$750, hard finished; \$750, completed; \$1000, 35 days.
- Harrison** near 25th. Two-story frame; owner, J. G. Fitzgerald and Wife; architect, C. J. Devlin; contractor, A. J. Bryan; surety, A. McFadyen and J. F. Kennedy; cost, \$3000; time, 90 days; signed, Sept. 12; filed, Sept. 13; payments, \$300, framed; \$400, enclosed; \$800, first coated; \$800, plastered; \$800, wood work is ready; \$825, completed; \$775, 35 days.
- Jones** near Lombard. Two-story; dwelling; owner, C. T. Lauringer; architect, J. E. Kraft; contractor, R. O. Chandler; cost, \$5,598; time, 35 days; signed, Sept. 10; filed, Sept. 12; payments, \$1,485, framed; \$1500, brown mortared; \$1500, finished; \$1500, 35 days.
- Larkin**. Alterations; owner, M. Stern; architect, Kenitzer & Kollofrath; contractor, H. Holzenberg; sureties, G. T. Shan and J. H. Kennedy; cost, \$4,255; signed, Sept. 11; filed, Sept. 11; 75 per cent as work progresses; 25 per cent, 35 days.
- Market** near 7th. Concrete, granite and brickwork; owner, M. J. Lemman; archi- tect, C. I. Havens; contractors, Richardson & Cal; cost, \$14,831; signed, Sept. 22; filed, Sept. 23; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- Market** and Golden Gate Ave. Lapse stone work; owner, J. A. Donohue; architect, A. Page Brown; contractor, O. E. Brady; cost, \$8,640; time, 30 days; signed, Aug. 22; filed, Sept. 15; payments, 75 per cent as work progresses.
- Market** and Golden Gate Ave. Mill work; owner, J. A. Donohue; architect, A. Page Brown; contractors, Nilhaus, Bros. & Co.; cost, \$15,305; signed, Sept. 15; filed, Sept. 16; payments, 75 per cent as work progresses; 25 per cent, 35 days; stairs; cost, \$2000 signed, Sept. 13; filed, Sept. 16; payments, 75 per cent as work pro- gresses; 25 per cent, 35 days.
- Minna** near 8th. Three-story frame; owner, G. B. Cordano and J. Casaretto; cost, \$5,200; time, 110 days; signed, Sept. 20; filed, Sept. 20; payments, \$975, roof boards on; \$957, white coated; \$975, brown coated; \$837, completed; \$1300, 35 days.
- Mason** near Clay. Three-story frame; owner, G. Podesta; architects, Huerne & Ever- ett; contractor, A. Banchero; cost, \$6,700; signed, Aug. 30; filed, Sept. 10; payments, \$223, roofed; \$223, completed; \$2334.35, 35 days.
- Missouri** near Yolo. One-story frame; owner, H. C. F. Peters; contractors, J. F. Early and D. S. Mitchell; cost, \$1,100; signed, Sept. 2; filed, Sept. 11; payments, \$300, framed; \$300, brown coated; \$325, completed; \$275, 35 days.
- N. W. corner Larkin** and Sacramento. Two-story frame; owner, G. W. Harris; archi- tect, P. H. Lawler; contractor, Wm. Lane; cost, \$7,334; signed, Sept. 12; filed, Sept. 22; payments, \$1,200, framed; \$1,300, brown mortared; \$1,200, inside finished; \$1,200, completed; \$2,330, 35 days.
- N. E. corner Edly** and Jones. Carpenter work; owner, Blaine Invincibles; archi- tect, W. O. Banks; contractor, G. W. Walker; surety, I. Graham and W. Cluff; cost, \$7,000; signed, Sept. 12; filed, Sept. 15; payments, 75 per cent as work pro- gresses; 25 per cent, 35 days.
- N. W. corner Larkin** and McAllister. Concrete work; owner, J. P. Hale; architect, T. J. Welch; contractors, Rauscine & Cushing; cost, \$1,000; signed, Sept. 15; filed, Sept. 15; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- N. W. corner Broderick** and Jefferson. One-story frame; owner, E. Krahan; archi- tect, C. M. Rousseau; contractor, T. Maxwell; surety, D. W. Hink and E. T. In- hams; cost, \$1,200; signed, Sept. 12; filed, Sept. 16; payments, \$300, roofed; \$300, brown coated; \$300, completed; \$300, 35 days.
- N. E. corner Montgomery** and Sutter. Owner, J. A. Donohue & Co.; architect, Shea & Shea; contractor, D. O. Sullivan; cost, \$2,165; signed, Sept. 3; filed, Sept. 16; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- N. E. corner Montgomery** and Sutter. Plumbing; owner, J. A. Donohue; architect, Shea & Shea; contractor, R. Rice; cost, \$2,485; signed, Sept. 3; filed, Sept. 16; pay- ments, 75 per cent as work progresses; 25 per cent, 35 days.
- N. E. corner Page** and Schrader. Carpenter work; owner, C. D. Salfeld; architect, S. Newson; contractor, R. O. Chandler; cost, \$10,000; signed, Sept. 17; filed, Sept. 18; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- N. E. corner Page** and Lyon. Painting; owner, Rountree Bros.; architect, S. New- son; contractor, C. M. Walker; cost, \$2,000; signed, Sept. 18; filed, Sept. 19; pay- ments, 75 per cent as work progresses; 25 per cent, 35 days.
- N. E. corner Diamond** and 13th. One-story frame; owner, C. Richards; architect, J. C. Newson; contractor, Davis & Smith; cost, \$2,285; signed, Aug. 18; filed, Sept. 12; payments, \$830, framed; \$527, brown mortared; \$525, completed; \$600, 35 days.
- Octavia**, bet. McAllister and Fulton. Three-story frame; owner, T. J. Cleary; architect, W. H. Armitage; contractor, Johnson & Crawford; sureties, C. C. Rollins and G. Gerdan; cost, \$4,000; cost, \$5,775; signed, Sept. 10; filed, Sept. 13; pay- ments, \$1,000, framed; \$1,000, brown coated; \$1,000, white coated; \$1,330, finished; \$1,445, 35 days.
- Pine** near Webster. Three-story frame; owners, F. D. and E. Meyer; contractor, C. Zwiernick; cost, \$7,400; signed, Sept. 20; filed, Sept. 23; payments, \$1,387, en- closed; \$1,387, brown mortared; \$1,387, white coated; \$1,387, completed; \$1,850, 35 days.
- Pine**, bet. Laguna and Buchanan. Three-story frame; owner, R. Brown; architect, W. H. Armitage; contractor, S. T. Green; cost, \$6,925; signed, Sept. 3; filed, Sept. 15; payments, \$1,400, framed; \$1,400, brown mortared; \$1,000, white coated; \$1,390, completed; \$1,735, 35 days.
- Pacific Ave.** near Gough. Carpenter work; owner, B. Levy; architect, W. J. Mat- hews; contractors, Knight & Littlefield; cost, \$11,740; signed, Sept. 3; filed, Sept. 15; payments, \$1,762 1-5, completed; \$1,762 2-5, completed; \$1,762 3-5, completed; \$1,762 4-5, completed; \$1,762, completed; \$2,639, 35 days.
- Page** near Cole. Frame; owner, A. Thain; contractor, J. W. Ward; cost, \$3,300; signed, Sept. 19; filed, Sept. 19; payments, \$500, rustic on; \$800, brown mortared; \$500, white coated; \$875, completed; \$835, 35 days.
- Church** and 13th. Double two-story frame; owner, A. Bonick; contractor, G. T. Knopf; cost, \$6,530; signed, Sept. 19; filed, Sept. 20; payments, \$1,600, framed; \$1,600, floors laid; \$1,600, completed; \$1,750, 35 days.
- Perry** near Third. Three-story frame; owners, W. J. Ramage and wife; architect, A. C. Lutgens; contractors, Tigler and Muller; cost, \$12,600; signed, Sept. 3; filed, Sept. 12; payments, \$2,000, framed; \$2,000, enclosed; \$1,500, first coated; \$2,000, second coated; \$2,450, completed; \$3,150, 35 days.
- Sullivan** near Stanton. One-story dwelling house; owner, C. M. Bandion; con- tractor, G. Houston; cost, \$2324; time, 35 days; signed, Sept. 10; filed, Sept. 15; pay- ments, \$570, shingled; \$570, brown coated; \$570, white coated; \$537.35, 35 days.
- S. E. cor. Mission** and 13th. Carpenter work; owner, F. Meyer; architect, C. I. Havens; contractor, T. Maxwell; cost, \$1995; signed, Sept. 18; filed, Sept. 23; pay- ments, \$360, brown mortared; \$445, finished; \$300, 35 days.
- S. E. cor. Pine** and Jones. Three-story brick; owner, I. C. Shump; architect, J. C. Newson; contractor, R. M. Murray; cost, \$15,250; signed, Sept. 13; filed, Sept. 15; payments, \$6000, first floor joists in place; \$3000, second floor joists in place; \$3000, third floor joists in place; \$3000, fourth floor joists in place; \$4000, roofed; \$1000, plumbing in; \$3000, brown mortared; \$1937.50, completed.
- Stockton** and Montgomery Ave. Carpenter work; owner, L. Friedman; architect, W. O. Banks; contractor, A. Miller; cost, \$2300; time, 35 days; signed, Sept. 16; filed, Sept. 17; payments, \$700, roofed; \$700, white coated; \$700, completed; \$700, 35 days.
- Scott** near Pine. Plumbing; owner, H. H. Morse; architect, J. H. Littlefield; con- tractors, Fritz & Keay; cost, \$648; signed, Aug. 18; filed, Sept. 17; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- Stockton** and Montgomery Ave. Concrete and patent work; owner, J. Friedman; architect, W. O. Banks; contractor, Ransome & Cushing; cost, \$1,575; time, 60 days; signed, Sept. 3; filed, Sept. 17; payments, \$1,175.20, completed; \$100, 35 days.
- Stockton** and Montgomery Ave. Cast and wrought iron work; owner, J. Friedman; architect, W. O. Banks; contractors, O'Connell & Lewis; cost, \$2,000; time 40 days; signed, Sept. 4; filed, Sept. 17; payments, \$1,500, completed; \$500, 35 days.
- San Jose Road** near Branta Place. Carpenter work; owner, Annie Kiernan; archi- tect, J. J. Clark; contractor, J. Kenealy; cost, \$2,150; signed, Sept. 17; filed, Sept. 18; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- Sutter** and Taylor. Brick work; owner, W. Deakin; architects, C. M. and J. M. Wil- son; contractor, D. S. Pierce; cost, \$2,140; signed, Sept. 20; filed, Sept. 20; pay- ments, \$700, foundation walls in; \$800, chimneys; \$112, accepted; \$529, 35 days. Carpenter work; contractor, J. G. Adams; cost, \$13,250; payments, \$2,500, framed; \$2,500, brown coated; \$2,500, inside finish on; \$246.75, accepted; \$2,322.50, 35 days. Plumbing; contractor, R. A. Vance; cost, \$1,765; payments, \$700, rough work in; \$613.75, completed; \$171.25, 35 days. Lathing; contractor, C. C. Morehouse; cost, \$1,475; payments, \$300, brown coated; \$500, white coated; \$121.25, accepted; \$373.75, 35 days.
- S. W. corner Scott** and Lloyd. Alterations; owner, G. D. O. Neil; contractor, John Foster; cost, \$2,175; time, 90 days; filed, Sept. 11; payments, 75 per cent as work progresses; 25 per cent, 35 days.
- S. W. corner Jones** and Pine. Painting on two three-story frame buildings; owner, P. Johnson; architect, C. F. Havens; contractor, J. Thomson; cost, \$1,147; signed, Aug. 19; filed, Sept. 11; payments, \$400, outside primes and inside second coated; \$447, completed; \$300, 35 days.
- S. W. corner Tennessee** and Kentucky. Carpenter work; owner, J. O. Reis; con- tractor, R. O. Davis; cost, \$5,950; signed, Sept. 13; filed, Sept. 13; payments, \$1190, studding up; \$1190, brown mortared; \$1190, completed; \$1190, 35 days.

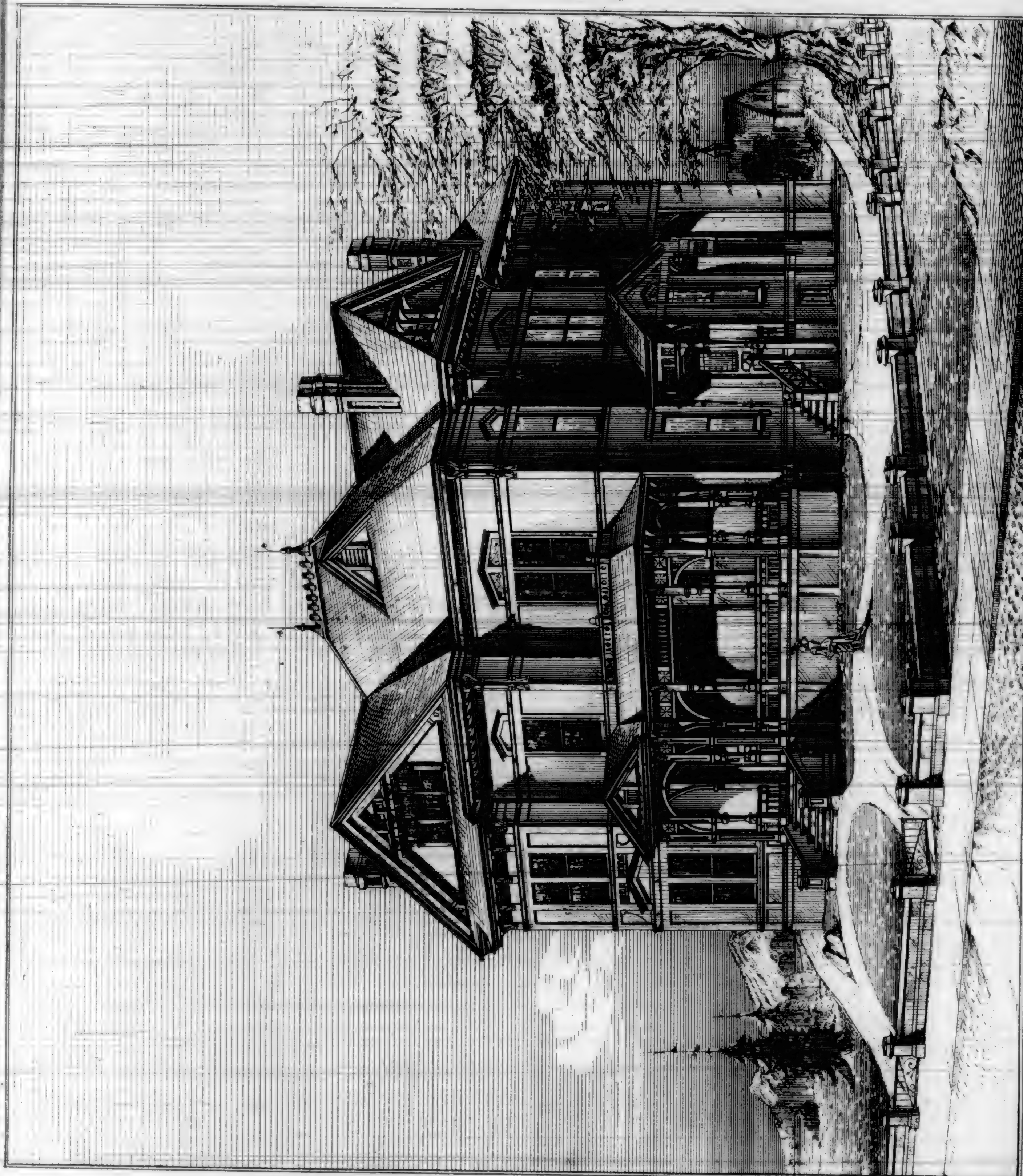
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DESIGN FOR A BANK BUILDING.

F. R. BARKER, ARCHITECT
OAKLAND, CAL.

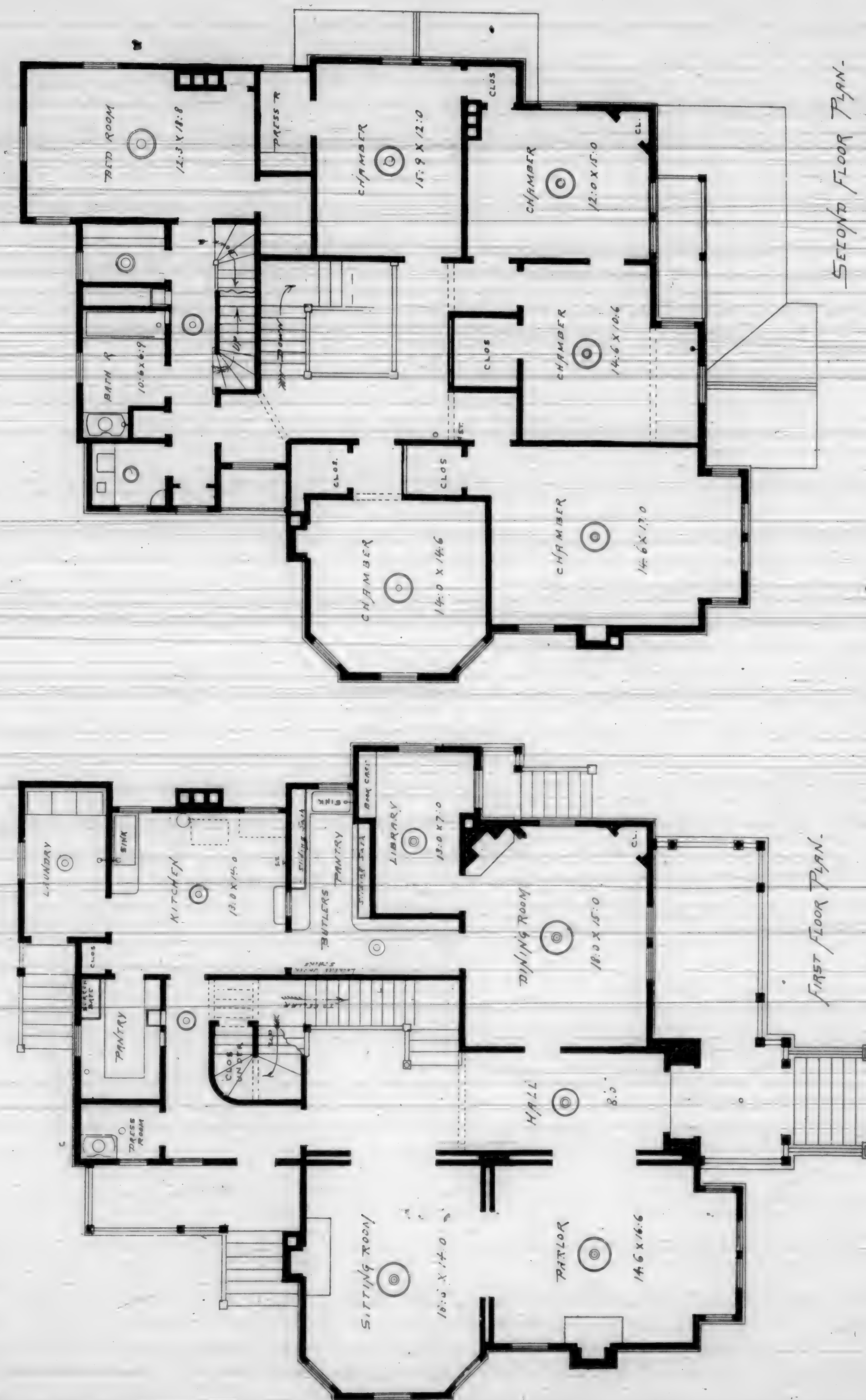
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PERSPECTIVE VIEW OF RESIDENCE

SETH BABSON, ARCHITECT.

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FIRST FLOOR PLAN.

SECOND FLOOR PLAN.

FLOOR PLANS OF RESIDENCE.

SETH BABSON, ARCHITECT.



ENTRANCE TO LONDON & SAN FRANCISCO BANK.

DAVID FARQUHARSON, ARCHITECT.

Treat Ave. near 24th. Two-story frame; owner, F. E. Leidel; architect, John and Balczynski; contractor, J. Wells; cost, \$3,840; signed, Sept. 19; filed, Sept. 19; payments, \$900, framed; \$900, rough mortared; \$1,080, completed; \$900, 35 days.

Turk bet. Van Ness Ave. and Franklin. Alterations; owner, L. Shoenberg; architect, John and Balczynski; contractor, S. Wray; cost, \$1830; signed, Sept. 11; filed, Sept. 12; payments, \$500, partitions in; \$870, ready for painting; \$400, 35 days.

Van Ness Ave. Iron and tin work; owner, J. Nightingale; architect, A. J. Barnett; contractor, W. Cronan; cost, \$234; time, 6 weeks; signed, Sept. 12; filed, Sept. 20; payments, 75 per cent as work progresses; 25 per cent, 35 days.

Webster street, as specified in contract. Brick work; owner, E. Dougherty; architect, Shea & Shea; contractor, M. Fennell & Son; cost, \$1,090; signed, Sept. 11; filed, Sept. 15; payments, \$390, foundations completed; \$390, chimneys completed; \$250, 35 days.

Webster street. Three two-story buildings; contractor, A. L. Campbell; cost, \$7,786; payments, \$1,450, second story joists set; \$1,450, rustic on; \$1,450, brown mortared; \$1,450, completed; \$1,300, 35 days. Plumbing; contractor, Fritz & Kean; cost, \$1,167; payments, \$480, rough plumbing in; \$117, completed; \$300, 35 days. Lathing and plastering; contractor, T. Bodkin; cost, \$1,117; payments, \$121, brown mortared; \$221, hard finished; \$275, 35 days.

Yerba Buena near Sacramento. Two, two-story frames; owner, W. Nielsen; architect, John and Balczynski; contractor, Tegeler & Muller; cost, \$2,485; signed, Sept. 15; filed, Sept. 17; payments, \$1,200, framed; \$1,200, enclosed; \$1200, white coated; \$1,200, accepted; \$1,625, 35 days.

Oakland.

23rd Ave. near 12th street. Two-story frame; owner, Oakland Building and Loan Association; architect, J. Marquis; contractor, J. A. Eastman; cost, \$1,997; signed, Sept. 15; filed, Sept. 16; payments, \$499.25, floors laid; \$499.25, plastered; \$499.25, completed; \$499.25, 35 days.

Owner, H. A. Harlow; architect, R. J. Roberts; contractor, H. S. Kribbs; cost, \$1445; time, 30 days; signed, Sept. 3; filed, Sept. 16; payments, \$361.25, rustic on; \$361.25, brown coated; \$361.25, completed; \$361.25, 35 days.

Henry street, bet. 5th and 3rd. Cottage; owner, Mary Coleman; contractor, C. Weldon; cost, \$999; signed, Sept. 17; filed, Sept. 18; payments, \$330, enclosed; \$330, plastered; balance 35 days.

Cottage; owner, L. M. Hinne; contractor, W. R. Batten; cost, \$2500; signed, Sept. 1; filed, Sept. 15; payments, \$600, framed; \$600, brown mortared; \$600, completed; \$700, 35 days.

San Leandro.

Cottage. Owner, W. B. Burling; architects, Moosier & Cuthbertson; contractor, M. H. Hackett; cost, \$2000.

JOHN H. WISE,
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BUSINESS MOSAICS.

In reflecting upon the display of novelty in mechanism and art that challenges the attention of visitors at the Mechanics Fair, one thought is kept uppermost, that the tendency of the age is pressing hard on the inventive faculties of man. With the impetus given to all branches of industry through the influence of colossal fortunes seeking investments, the inventive faculties are kept at a high working pressure: hence the wants of man, in all his various conditions of life are analyzed in the most critical manner, the result of which is, that every want that can be supplied by new inventions is provided for and the condition of the race is accordingly benefitted to that extent.

In passing the San Francisco Gas Light Co's., exhibit our reflections were brought to a practical test. Here we found contrivances for robbing the luminous fluid of its heat. That gas could be used for heating purposes with such economy as to compete with the use of coal for the same purpose, is known to but comparatively few persons.

This company gave actual proofs of the utility of coal gas heat for cooking purposes. Through ingeniously contrived burners so arranged to obtain the greatest amount of heat from a given amount of gas, a complete dinner consisting of soup, fish, meats and vegetables, for twelve persons was cooked and served to the guest within sixty minutes from the time the gas was lit in the stove, and less than forty feet of gas being used in the accomplishment of the feat at a cost of less than ten cents. As the production of heat was from the combustion of gas, without contaminating the air with disagreeable odors, without coal or kindling to litter the kitchen apartment. It will be readily seen that this new method of providing the family meals, has superior advantages over the old method. The San Francisco Gas Light Co. are furnishing stoves of various sizes to meet the family requirements, making all the connections free of charge and furnish either separate meters or connections with the house meter. Office and show rooms, second floor, First and Natoma streets.

The hardware firm of Dunham, Carrigan & Hayden Co., representing the HOPKINS & DICKINSON MANUFACTURING CO., of Brooklyn, N. Y., are leaders in artistic house hardware, grilles, ornamental hinge plates, and fancy scroll escutcheon. THE NEW COLUMBIA CYLINDER LOCK, made by the Hopkins & Dickinson Manufacturing Co., is one of the latest triumphs of mechanical skill. The manufacturers claim as points of superiority in their lock over all others:

First.—That the manner of its application to Lock Case is the simplest and most effective in use; from the fact that the Lock Case is provided with a round hole tapering from the inside, and the Cylinder Shell having a corresponding undercut shoulder. By inserting Cylinder through hole in Case, and turning set-screw in face of Lock-front, the Cylinder and Case are interlocked, and thus complete a most effective and durable fastening.

Second.—The key being endbitted, the Tumbler Cells thereof are brought in direct and instant contact with the Tumblers themselves, thus insuring an easy insertion of key, and at the same time preventing unnecessary friction and wear.

Third.—The Cylinder is provided at its rear end with a heavy dog for throwing bolt in Lock Case, which is integral with the Cylinder itself, and therefore can never loosen or get out of order.

Fourth.—Any desired number of Locks can be made to fit one master-key, and as only one Cylinder is required to effect this result, there is no possibility of inserting key in wrong key slot and causing the annoyance incident thereto.

Fifth.—Duplicate Keys cannot be made from numbers, as Cylinders are required to insure a correct fitting, which is a master piece of art and convenience and they cordially invite all who are interested in building to visit their Art Rooms at 17 and 19 Beale street, where they will be sure to get ideas of incalculable value in finishing and decorating their houses.

At the Fair of the Mechanics Institute, some very large amalgam plates for saving the fine gold in mining operations are on exhibition. These large plates were prepared by E. G. Denniston at his plating works 653-655 Mission street, this city, where all kinds of plating is done in the best manner. See advertisement on another page.

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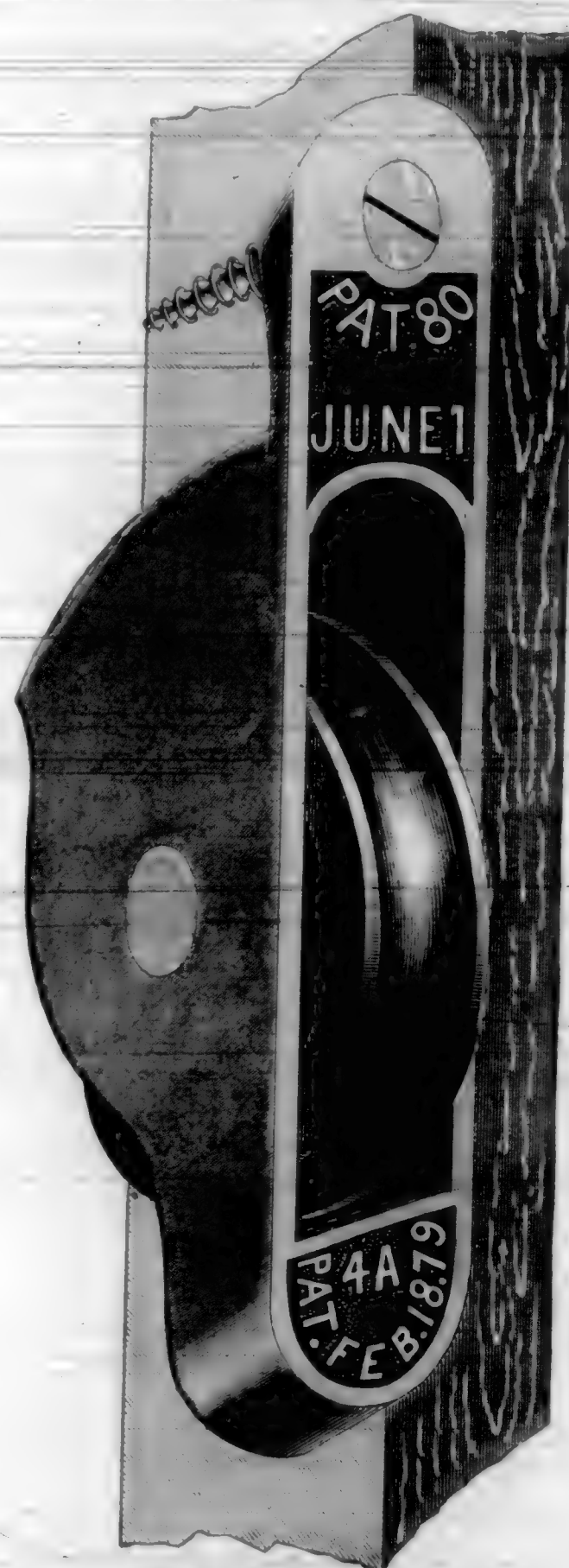
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Page 12 in 1890 Supplement.
The above cut shows the Norris Pulley as it appears in the frame. This Pulley is made so that the Rope cannot possibly leave the wheel.

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408 CALIFORNIA STREET,

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VOLUME XI.

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The California Architect and Building News.

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W. P. MOORE, President,

OLIVER EVERETT, Secretary.

THE CALIFORNIA ARCHITECTURAL PUBLISHING COMPANY is composed of Architects and others interested in the profession.

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NOTICE.

MR. George H. Wolfe, having no further connection with the business of this journal, correspondents will in future address their communications to the *California Architect and Building News*, 408 California Street, San Francisco, Cal.

NOTICE OF MEETINGS.

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

SETH BABSON, Pres. W. J. CUTHBERTSON, Vice-Pres.

OLIVER EVERETT, Sec. JOHN M. CURTIS, Treas.

TECHNICAL SOCIETY OF THE PACIFIC COAST, meets first Friday of each month at 408 California Street.

JOHN RICHARDS, Pres. PROF. FRANK SOULÉ, Vice-Pres.

OTTO VON GELDERN, Sec. JAS. SPIERS, Treas.

ON and after January 1st, 1891, the subscription price of this journal will be \$3.00 per annum, and single numbers 30 cents each.

SUBSCRIBERS will please notify us promptly of any failure to receive the paper, and also of any change in their address.

THE regular meeting of the San Francisco Chapter of the American Institute of Architects was held at their rooms, 408 California Street, on the 14 inst., the President, Seth Babson, in the chair. The Committee on Library made some suggestions, which were laid over for further consideration.

B. J. Clinch was elected an active member and G. Fauss as a student member.

THE A. I. A. Sketch Club, the membership of which is confined to students in the offices of architects who are members of the Chapter, A. I. A., are now busy arranging for their annual exhibit of the drawings and sketches of the members, which will be held in the rooms of the Chapter, 408 California Street, December 14th, 15th and 16th. All persons who are favorably disposed toward the advancement of our young men in architectural knowledge, are cordially invited by the Club.

THE regular meeting of the Technical Society of the Pacific Coast was held on the 7th inst. at their rooms, 408 California street, President Richards in the chair.

The Secretary of the Academy of Sciences, Prof. F. Gutzkow, explained a new process for the manufacture of chloric magnesia cement by either the single or double burning process. The Professor stated that the raw materials were abundantly distributed throughout this coast. Many specimens were shown of the cement in all its forms, from the natural stone from near this city to the most finished and hardened cement, so white and fine grained as to resemble delicate china ware. This cement is destined to form a modification in our present methods of cement and concrete work.

Mr. H. Vischer explained with the aid of drawings, the intricate mechanism and working of the Thomas Arithmometre, or calculating machine. Mr. Thomas Price of this city is the owner of the machine-- which was exhibited and operated by H. I. Owens, who worked out in a few seconds' time a long list of intricate problems in multiplication, addition, division, subtraction, decimals, etc., by the turning of a crank.

THE regular meeting of the Electrical Society was held in their rooms on the 3rd inst., Prof. Keith in the chair. The Professor demonstrated on the blackboard the various methods of arc lighting, and showing the advantages of certain positions for the lights where special forms of carbons are used. The change in colors of the lights, both arc and incandescent, when the electric currents are increased or diminished, was explained, also suggesting some valuable hints as regards the lights best adapted for bringing out the full decorative and architectural effects by artificial lighting.