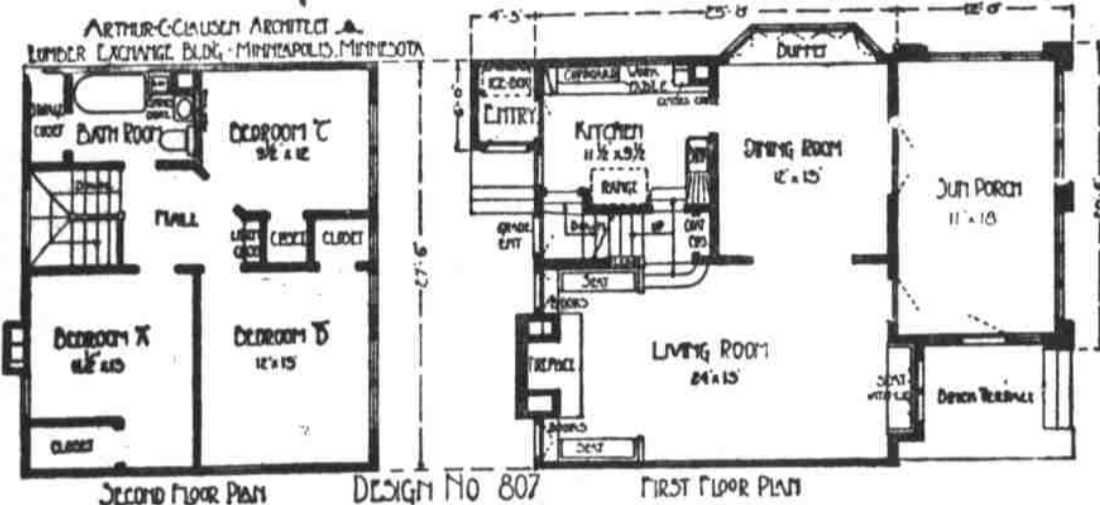


**PERTINENT HINTS TO HOMEBUILDERS ON THE CONSTRUCTION OF FIREPLACES**



Exterior and interior arrangements of ideal residence.

Fireplaces are ornamental, useful and healthful. There is probably not a single feature in the home more ornamental or attractive, if properly and harmoniously designed, than a fireplace.

Some fireplaces are for ornamental purposes only; but when so designed they are less attractive than the usual fuel-burning fireplaces, for they are then meaningless and unnecessary. I once saw a very elaborate fireplace of Italian renaissance design with a beveled French mirror in the upper part and elaborate gold plated electric light brackets on each side, Pavantico marble facing around the fireplace opening, and the interior lined with pink satin and decorated with hand-painted roses. While it probably represented a cost of more than \$500, it was nothing but a huge, useless ornament, and did not give any suggestion of a homelike feeling, or give to me the impression of old-fashioned home spirit. It was a sham—a mere useless, extravagant expenditure of money.

Ruskin has truthfully said: "Simpleness is the terminal point of all progress."

**Ornamentation Unsatisfactory.** The truly artistic ones simply depend upon the grace of line and form supplemented with the evidence of quality for attractiveness. The attempt to make beautiful by application of such ornamentation is the easy, but not the most satisfactory way.

The adornment in architecture is like feminine apparel; simple grace is by far the most attractive, and you never tire of it. The introduction of the craftsman style into much of our American architecture is bringing us gradually back to the days of Puritan simplicity. Architecture in America has gone through the extreme tendencies of its youthfulness. Figuratively speaking, American architecture has sown its oats, and is now fulfilling the Ruskin prophecy, and progressing toward simplicity. To be truly attractive, fireplaces should suggest their real purpose—that of burning fuel—and they do this best by using simple and almost

common materials, such as brick and stone, instead of the more elaborate materials, like ornamental tile or polished marble. There was a time during the infancy of brick manufacture when what is known as firebrick would stand heat better than any material then known.

Vitrified brick is now commonly used for fireplace facing, especially the mat face or tapestry brick, and vitrified marble. Here is good advice: When the brick facing is of a vitrified nature, and the same brick is used to line the fireplace opening, it is more practical and gives a better appearance.

**Fireplaces Useful.** The usefulness of the fireplace is well known in the southern states, where it is depended upon almost entirely for furnishing heat on chilly days, while in the northern states it serves the same purpose at certain times of the year; but it is not economical enough, however, in the consumption of fuel, nor sufficient to be depended upon the year round. Its usefulness, of course, depends entirely upon its proper construction.

A fireplace that smokes is useless, for a very little smoke will soon render the atmosphere of the room unbearable. The problem of obtaining heat while still allowing the smoke to escape is not a difficult one if a few simple rules are observed.

The difficulty lies in the failure to make many masons follow these rules during construction. Why it is that so many masons think they have solved the art of fireplace making when it was discovered more than a thousand years ago is difficult to comprehend. The main thing is a flue of sufficient size, which can be easily computed by multiplying the width of the fireplace opening by its height and divide the total by 10, for example: The fireplace opening 2 1/2 feet high by 4 feet wide and 10 feet square, then dividing by 10, would give you a square flue 1 foot by 1 foot, or a round flue 1 1/4 inches in diameter.

While it is true that with a tall chimney and no deflecting currents of air from adjoining roofs, that a flue 8

inches would do under some conditions, still there are many times when it would not be sufficient. The fact that certain fireplaces have small flues and work satisfactorily should not be accepted as a general rule. It simply indicates that conditions surrounding their construction are ideal in every respect, which is an infrequent circumstance.

The throat should be made the full width of the fireplace opening and gradually reduce toward the top until it is of the same size and shape of the flue. A flue should never go up directly from one side, since under some conditions it would then surely smoke from the other side. To deflect heat into the room the back should slant toward the front, starting at about one foot from the floor. Simply, isn't it? Still about two fireplaces out of three smoke because these simple rules have not been followed.

The fireplace is obviously a good ventilator, provided that the damper is left open. There are dampers made with a cast iron frame that makes a perfect throat, making it impossible for the mason to err on this point, and easily controlled at any time, regardless of how hot the fire is. This damper can be adjusted to reduce the draught when the fire is burning, which obviously increases the amount of heat that comes into the room, for the volume of smoke is ten times greater when the fire is first kindled than it is later, when much of the fuel has become glowing coals; and since most of the heat escapes with the smoke, then it is time to reduce the draught a little.

**Room Is Ventilated.** When the damper is left open and the fireplace is not in use it makes a splendid ventilator. It takes heavy air, made foul by the breathing process, away from the room, and has a tendency to draw the heated air down from the ceiling. Still it necessarily exhausts some heat. On the other hand, it increases the efficiency of the heating plant by circulating the air.

Still nothing has been said of the pleasure of sitting around a burning fire, with the lighted air down from the ceiling, the old days and roasting green corn and marshmallows. "With the apples sputtering in a row." It seems easy to be confidential around an open fireplace. There is something about the glow of the dying embers that brings out the heart of a man, and especially a woman. Fireplaces for this reason assume a sort of personality, some time to the extent that they are given names. One known to the writer is called "Old Romeo," another "Bill Taft," suggested by the hugeness of its size, and another "Old Stone Sides."

**HIGHLAND SCHOOL CHILDREN GROW SOME FINE POTATOES**



Samples of school garden products.

Planted somewhat later than many other school gardens, the vegetables from Highland school did not figure as prominently as a large number of youthful garden contestants had hoped, last season. The planting was delayed and the soil was new. Now the children believe that the best results are not always from the quickest growth.

They went to dig their potatoes last week and found a surprisingly large production. One hill, it was found, had produced ten potatoes, three of which

weighed a pound or over. The largest was eight inches long and substantially thick; two others were a little more than eight inches long. There wasn't an imperfect potato in the hill, which would furnish several meals to the ordinary family.

**Musical Studies**

100 Czerny studies, 10c.  
100 Plaidy studies, 15c.  
100 studies, all kinds, 5c.  
Sale on now—Graves Music Co., Removal, 111 Fourth street, (Adv.)

**MARKED ACTIVITY IS SHOWN THIS MONTH IN SUBURBAN REALTY**

Movement Is Apparently Restricted Largely to Purchases of Residence Sites.

September's real estate market, for the first 20 days of the month, has been restricted to small holdings. In this class of property a sharp increase in movement is noted. One firm reports the sale of 61 small parcels of suburban holdings during the past 30 days, more than one-third of which was taken in September.

A marked revival in the demand for vacant lots in the northeastern residence section is reported by brokers and subdividers operating in that district. There is also a considerable movement in new dwelling houses in that portion of the city, one builder reporting the sale of four houses last week for an aggregate consideration of \$15,000.

Acheson & Allen, representing the Oswego Lake properties, reports the sale of acre tracts in that suburb during the past week aggregating in value about \$12,000.

Acre tracts and a lake shore lots at Oswego were taken by the following buyers: A. Islu, \$1000; J. F. Stern, \$875; E. J. Warnock, \$875; H. P. Reese, \$1000; R. E. Ruffschmidt, \$700; J. H. Johnson, \$500; Blanch Luckey, \$1000; E. J. Gwyno, \$375; Mrs. Harry Telford, \$500; Simon Gadawa, \$650; W. M. Flood, \$500; Ruth McKellar, \$500; D. A. Fitzpatrick, \$700; Mrs. Mary Fitzpatrick, \$900.

G. W. Priest has held to Guy W. Needham, lot 5, in block 3, lot 5 in block 2, and lot 6 in block 3, Aroma subdivi-

tion, and lot 4 in block 9, Rossmore, for a total consideration of \$14,800. Each of the four lots is improved with a new dwelling.

Arthur T. Ledwich has purchased from W. J. Carkeek a fractional lot and house in Parkview Annex; consideration \$4300.

A newly built dwelling in Edgwood was sold last week by Fred Powell to L. E. Steinmetz for \$5000.

Mrs. Ida A. Hess has sold to Harry Sawtell a fractional quarter-block in Christensen's addition for \$5700.

The west half of lots 11 and 12 in block 38, Sellwood, has been sold to J. W. Hogan by J. J. Myers for a consideration of \$4500.

**IMPLEMENT COMPANY BUYS ADDITIONAL LAND**

Not satisfied with its purchase of a fraction of a block in the new Sullivan gulch warehouse district, the firm of Mitchell, Lewis & Staver has closed a deal for the purchase of additional area, which gives the firm control of the block bounded by East Eighth, East Ninth, East Flinders and East Glisan streets. It is not the intention of Mitchell, Lewis & Staver, according to a member of the firm, to improve its new holding at once, as it has a lease on the premises on East Morrison street which has several years yet to run.

**RESIDENCE IS SOLD IN NORTHEAST PORTLAND**

Scott Beesley, who operates extensively in the northwest residence section, has sold to Mrs. Grace Sinnington a new house, located at the intersection of East Forty-third and Tillamook streets, for \$4500. The property formerly belonged to M. J. Mahoney.

Mr. Beesley has taken title to two lots in Rossmore on which he plans to build modern dwellings to cost about \$3000 each.

City debt of Haverhill, Mass., in seven years has increased 187 per cent and valuations 55 per cent.

**HIS DUTIES NOT AS LIGHT AS DESIRED**

London Boy Seeks Job That Carries Little Else Save Work.

London, Sept. 20.—A south London boy with golden dreams of the future, recently answered an advertisement for the post of hall-boy at a school for the "sons of gentlemen" at a resort near Brighton.

He saw himself standing at his post with head erect and shoulders squared, dressed in a tight-fitting livery trimmed with many brass buttons, but his ardor was somewhat dampened, when he received the following list of duties which he would have to perform:

You will be required (says the reply.) To be an early riser, strong, active and willing. To polish the shoes of thirty-five boys, head-master and his wife, three masters, a mistress and housekeeper. To clean all windows regularly. To clean all basement passages and outside steps. To answer the front door bell. To keep the classrooms swept and polished. To clean all the knives, forks, and spoons.

To help with the lift at meals, and to make yourself generally useful. He may not smoke on the premises, and his religion must be church of England. He will have one evening each week free from 5 till 10 and every second Sunday from 3:30 to 10 p. m. He will sleep on the premises, and receive for his services, in addition to his food, \$1.00 a week.

**NEW IDEA IS EVOLVED IN APARTMENT HOUSES**

Row of Bungalows Is Placed on Roof of Block of Stores.

A colony of one-story bungalows built about a court on the roof of a block of stores is a new idea in apartment houses which is described, with illustrations, in the October Popular Mechanics Magazine. From the street the bungalow apartment building looks like an ordinary brick business block with shops below and flats on the second floor. But the stairway from the street, instead of leading to a second story, takes one to a broad, sunny court on the roof of the shops.

Down the center of the court is a pergola with flower boxes beneath it, and around the four sides are the low gables of 17 one-story Swiss-chalet bungalows. In all there are two two-room, four 3-room and 11 four-room bungalow apartments about the court. Each pair of bungalows has a common sheltered porch, recessed so that the entrance doors open into the living rooms. Their kitchens and dining rooms face the court, and their living and sleeping rooms overlook the street.

Each has its own bathroom and plenty of closet room. The common laundry is not in the basement, but on the roof of one of the bungalows, and clothes are hung out on the roofs of the kitchens, unseen from the street below. The floor of the court is covered with heavy deck roofing, drained by a gutter in the center, and garbage is taken care of in boxes with ventilating pipes leading through the roof.

Journal Want Ads bring results.

**WE NOW OFFER THE CHOICEST, CLOSE IN, BUSINESS, MANUFACTURING, WAREHOUSE AND RESIDENCE PROPERTY ON THE EAST SIDE**

**HOLLADAY'S ADDITION**

LOCATED BETWEEN THE WILLAMETTE RIVER, EAST 18TH, EVERETT AND HALSEY STREETS

This property was platted in 1871 and held practically intact by the Oregon Real Estate Co. until July this year when it was purchased by

**ANGLO-PACIFIC REALTY CO.**

Since the purchase a corps of engineers has been engaged in replatting the manufacturing and warehouse property located along the O.-W. R. & N. right of way for grading to track level

The Spokane, Portland & Seattle Railway has purchased right of way along the south side of the present railroad and are now grading and laying track which gives

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**Does Your Stomach Trouble You?**

May's Wonderful Stomach Remedy is Successfully Taken in Cases of Stomach, Liver and Intestinal Ailments. And One Dose Has Often Dispelled Years of Suffering.



May's Wonderful Stomach Remedy can really be termed a wonderful remedy and the benefits that it gives in many of the most chronic cases of Stomach Trouble has spread its fame from one end of the country to the other. No matter where you live—you will find people who have suffered with Stomach, Liver and Intestinal Ailments, etc., and have been treated to health and are loud in their praise of this remedy. There is not a day but what one hears of the wonderful results obtained from this remedy, and the benefits are entirely natural, as it acts on the source and foundation of these ailments, removing the poisonous catarrh and bile secretions, taking out the inflammation from the intestinal tract and assists in rendering the same subsiding. Sufferers are urged to try one dose—which alone should relieve your suffering and convince you that May's Wonderful Stomach Remedy should restore you to good health. Put it to a test today—the results will be a revelation to you and you will rejoice over your quick recovery and once again know the joys of living. Send for booklet on Stomach Ailments to Geo. H. May, Mfg. Chemist, 109 Whiting St., Chicago; or better still, obtain a bottle from your druggist. For sale in Portland by the Owl Drug Co., Broadway and Washington Sts.