

# Help For the Man Who Wants to Build

## An Economical Georgian Type House

### Information About Copper, Brass and Bronze for Homes

By the Architects' Small House Service Bureau of the United States, Inc.

What about copper? Chemists call it an element. By that they mean it is one of the basic materials. You cannot make it out of anything else. You can make copper into other metals, such as bronze, brass. You can use it as an alloy with steel, but you cannot make copper. Nature did that. In this of any importance to a home builder? Not particularly excepting that many of these basic elements have tremendous durability. Like gold, silver, pure iron, block tin, zinc, they have qualities of resistance to weathering and wear of the very first degree. Also, they often improve the qualities of other metals.

Now copper is one of the oldest metals used by man. He mixed it with tin to make bronze. He used it without combining it with other metals to make spear heads and other war implements. And we find these today after thousands of years have passed over them. When he fashioned art objects out of it, particularly of bronze, he left for our generations enduring beauty.

**Off Your Mind**

It is obvious that we should cherish this material. Happily it is not a precious one. In our country it is found in vast deposits. So, as compared with the precious metals, it is extremely inexpensive. Thus we may use it, taking advantage of its extraordinary properties of durability, in all classes of building.

One has the assurance, when his roof is sheathed with copper or when it is used as down spouts, eavetroughs, valleys, flashings, he can forget the cost. When the house we build today wears out or becomes old and has to be replaced, the copper we use on it can be salvaged and will command a price.

Thinking of it in terms of long years, then, material like this must be considered the least expensive of any that can be used since there are no replacements or cost of upkeep, no painting. In fact, it takes on its own color, a pleasant light greenish blue. It is sufficient decoration in itself.

These alloys of copper are also valuable to us—for example, when copper is mixed with zinc. Now we get a new product. We call it brass and we get the very best material out of which hardware can be made. We get the best material for making the pipes for domestic water supply. It does not corrode, it cannot rust. The water that passes through these pipes can never be stained. They do not load up with deposits of lime and magnesia, so the full bore of the pipe we have in the first place continues to deliver the full pressure of water that we had when pipes were new.

Bronze, too, is used in hardware and for the finest screen cloth.

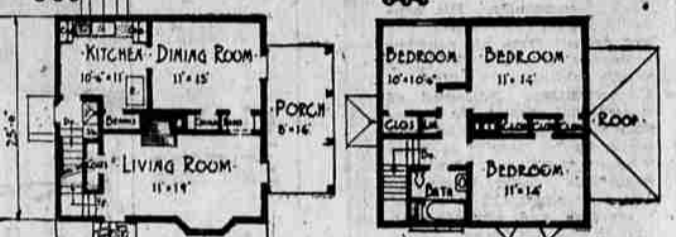
**What Is Extra Cost?**

Cost? Yes, it is more expensive. We cannot secure these extra qualities without paying for them. But it is a valid question whether home builders should consider first cost only. If they did, costs of home ownership would get out of hand, we couldn't afford homes.

If, after the end of a reasonable term of years, the whole cost of any material that we may use is less than that we had used cheaper substances requiring replacement, substitution and repair, the economy of the high grade materials becomes apparent. Copyright 1929. The Architects' Small House Service Bureau of the United States, Inc.



Designed to Cut Building Costs



THE purpose of the designed this attractive house, G-6, was twofold: to keep the cost within reach of persons of moderate means by planning a six-room house with the smallest dimensions compatible with comfort and, at the same time, to give a house of good design and convenient arrangement. They have succeeded admirably in both intentions.

Although the outside dimensions are only 26x28, the compactness of the plan makes possible rooms of ample size and leaves out nothing that makes for convenience. There are closets for every need, a coat closet, one for brooms, another for china, as well as a closet of good size in each bedroom. These are supplemented by a large wardrobe in the upper hall which may have many uses.

Bay windows are returning to favor and this attractive one, the well proportioned doorway, the tall chimney and the wooden quoins used instead of the cornerboards usually found on clapboarded walls are details which give distinction to what might otherwise be an austere design.

Although small, such are the qualities and good taste of this house that the owner need not hesitate to build it in any neighborhood of good houses, even much larger ones.

In spite of the idea of rigorous economy, which has been the principle under which the architects have worked on this design, it has decorative proportion both within and without. There is a simple, but very pleasant mantelpiece, as shown here in the small sketch; a plastered archway connecting the

dining room and living room, with a place for books; pleasant vistas from both these rooms through french doors to the open porch. The proper handling of these architectural details insures for the house a fine background for inexpensive furnishings, involving a minimum of expense for added decoration since the architecture itself already has this property.

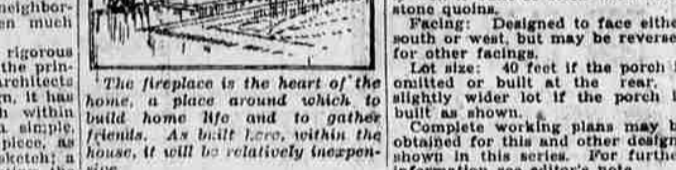
The open porch at the side of the house, requires special emphasis. For many people this added space is the making of a home. Screened in it becomes an outdoor living room where the family can gather. It greatly enlarges the accommodation of the house besides making the house itself appear more commodious.

**Construction:** Designed to be built of wood, but would look equally well if built of brick with white stone quoins.

**Facing:** Designed to face either south or west, but may be reversed for other facings.

**Lot size:** 40 feet if the porch is omitted or built at the porch is slightly wider lot if the porch is built as shown.

Complete working plans may be obtained for this and other designs shown in this series. For further information see editor's note.



The fireplace is the heart of the home, a place around which to build home life and to gather friends. An built here, within the house, it will be relatively inexpensive.

EDITOR'S NOTE: Working drawings and specifications for the house shown above may be secured at moderate cost through the Home Building Editor of this paper. This service is presented to our readers through co-operation with the Architects' Small House Service Bureau. The Bureau is controlled by the American Institute of Architects and has the endorsement of the United States Department of Commerce. Questions from our readers regarding home building will be answered at no charge by the technical department of The Architects' Small House Service Bureau. Address the Home Building Editor, enclosing a stamped, addressed envelope.

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### What You May Want to Know About Building

Questions addressed to this paper will be answered by the Architects' Small House Service Bureau of the United States, Inc. Enclose a stamped addressed envelope.

**Q**—The chimney of my house is plastered directly without lath. Will heat here have a bad effect on the wall paper, as I have seen it in some houses? If so, what can be done?

**A**—As you have deduced, plaster should not be applied directly to your chimney. It should have been furred out, thus allowing the chimney to settle independently of the house. The greatest difficulty you are likely to experience is cracked plaster where the chimney joins side walls. There is nothing that you can do about this now. We advise you to paper it. If you have a bad experience with it, furr the wall out and apply plaster board.

**Q**—I have a small house difficult to heat. We insulated the attic, which made the upstairs much warmer. The downstairs is still cold. It is wood frame stuccoed. What can we do to make the downstairs more comfortable without tearing up the walls? Why do you not stress insulation more? Many people do not know about it even in this day of high cost of coal.

**A**—Install weather strips at the windows. If additional insulation is required, strip inside surfaces of outer walls and apply plaster board. Insulation under the strips would be very effective. This will be less expensive than removing the stucco to insulate the walls. You are right about the need of insulation. No house should be built without it as it pays for itself in saved fuel bills besides adding greatly to comfort.

**Q**—Which would be preferable in a five room bungalow, hot water or moist air?

**A**—The choice depends on your own taste and on your pocketbook. Warm air heat is less expensive to install and serves excellently in a five room bungalow if a good furnace is installed. The cheap furnaces are worthless. Hot water gives more uniform heat, there is less interference with basement space, costs more. In either case the system must be properly designed and properly installed. If you get a high grade job of either kind you will be satisfied with it.

**Q**—What is your idea of a person paying \$500 down on a \$6,000 house? Do you think he should wait until he has \$1,000 as a down payment?

**A**—If you pay \$500 down you must borrow more than 90 per cent. Since only about 70 per cent can ordinarily be obtained on a first mortgage, you will have heavy financing charges for the balance. This is not a good scheme. When you pay \$1,000 down 80 per cent must still be financed. The cost of securing the money above the first mortgage will be much less. We advise this procedure. Pay more if you can on the down payment.

**Q**—Do you think there would be any danger of cedar shingles that are soaked with preservative warping so as to make an unattractive roof?

**A**—On the contrary, the creosote used in this way has a tendency to keep the shingles flat, adding greatly to their life and continued fine appearance. Color applied at the time of staining also improves appearance.

# GOLD BULLETS

by Charles G. Booth

experience with the two silent, icy-cold figures seated at the table in the room near him, John Peebles fell into a faint. When he awoke in the morning, he was convinced that it had been a nightmare. Beside him stood Fargo, Andrew Ogden's queer visitor on the day of Ogden's murder. Furie admits that he discovered an immensely rich vein in the Ogden mine, that Ogden refused him a share of it, but hysterically denies killing Ogden. Peebles is startled by Furie's mention of conversations with "Bull" and "Nap."

### CHAPTER 24. Realities and Nightmare.

Furie's eyes were crafty as he



Jerry's flannels—planted by Dillon—to convict the youth!

considered my excited question as to "Bull" and "Nap."

"Nothing," he mumbled. "Nothing but foolery! A couple o' o' hombres I talk to!"

I thought I understood. Men in desolate places sometimes create personalities out of their own imaginations.

"Did Peterson ever own the Two Brothers?" I went on.

"Mebbe. I dunno."

I looked at him steadily. "Try to remember this: Did you ever

were anything else but fragments of my disordered imagination.

"It wasn't me!" Furie snarled.

"How did you happen to find me here?"

"I come up on't in a while. This yer door warn't never locked before and I looked through a crack. You was lyin' on the floor, so I busts in the door and gives ye a gush of water."

I considered him in silence for a moment. Yes, he was speaking the truth. Dillon was the man who had been after me. The purr of an automobile engine unexpectedly broke upon the graveyard quiet.

"Another o' them city sharp!" Furie screamed.

Nimble as a cat, he whirled on this heel, made for the stair, and clattered down it at astonishing speed. I ran to the window. A sedan was lumbering slowly down the crooked street. Its hood was scraped to the dully gleaming aluminum and its windshield ground opaque. The car stopped and Deacon got out.

One doesn't leave a chief of police locked up in one's house with impunity, and ever since I had left San Felipe there had lain in the back of my mind the certainty that presently I should have to reckon with Henry. I made my way downstairs.

Furie had vanished. Henry was staring at the building with a grim look on his honest face. His expression didn't soften when he saw me.

"I was rather looking for you, Henry," I said agreeably, as he came towards me.

"What have you got to say for yourself?"

Evidently he wasn't going to be generous. "Your car is over at the mine. The children aren't here."

"Where are they?"

"I don't know. They left the place just after I got here yesterday afternoon. Neither of them saw me. They were gone before I could stop them."

Henry gave a short laugh. "Why did you do this fool thing, John?"

I looked at him, seriously. "You know why I did it, Henry. I wanted the boy to have his chance. I felt sure he could explain his absence satisfactorily and I wanted him to give himself up for the sake of appearances."

"I suppose I don't need to point out to you the seriousness of what you did. Do you imagine you helped the boy's case by locking me up?"

"I rather think so, Jerry. You surrendered yourself by this time and that was what we wanted."

"Have you got anything to eat with you?" I asked.

"Sandwiches and water," he grinned.

The sun was well up in the heavens now and the huddle of buildings seemed to shrink and shrivel beneath the terrific downpour of heat. When Deacon had got his sandwiches and canteens we were glad to go into the resort.

"Whew!" he gasped. "A week of this would finish me!"

"Furie has had upwards of fifty years of it."

"Furie! Is he here?"

But I wouldn't tell him anything until I had devoured half a dozen of his sandwiches. I had decided to make a clean breast and I began with that sense of surveillance which had come upon me almost as soon as I had entered the town. My feeling didn't impress him much, but the name "Joe Lundy's Place" brought a whiteout of him, and when I spoke of finding Jerry's flannels he became all attention.

"Where are they?" I got the bundle and we went over it.

"The boy's, of course," Henry said decisively. "He changed here."

"Nonsense!" I retorted angrily. "They were planted."

"By whom?"

"Dillon."

Of the children's departure and my failure to make them hear he knew already, but I added a word or two about my deflated tires.

"It's evident the children didn't want you following them," he said bluntly.

This angered me. "Do you actually mean to say you believe Jerry deflated my tires?"

"I'm sorry, John." His face was serious. "You would, too, if it were anybody else but Jerry."

Letting the point rest, I passed on to my adventure at the mine. My return to the village, the swift coming of the sandstorm, my unceremonious entrance into the garage, and my belief that someone else was in the building fetched little response from him, but when I recounted my nerve-racing experience in the resort and my providential fall through the door in the gallery, he sat up with a jerk. I paused to give it time to sink in.

It was hard enough to convince him of fact without going into fancy and I decided to say nothing of my nightmare. Henry plays poker himself and I didn't want him to conclude that my nightmare had begun before it actually had.

(Copyright, 1929, Wm. Morrow Co.)

was Peebles' experience with the two silent figures really a nightmare? Deacon and Peebles make another discovery in tomorrow's installment.

GRESHAM—Modern apartment house will be built at Roberts avenue and Third street.

# PRESENT JOE BEACH IN PRIVATE RECITAL JACKSONVILLE HOME

JACKSONVILLE, Ore., May 22 (Special)—Joe Beach was presented in a piano recital at the home of his parents, Mr. and Mrs. V. J. Beach, Monday evening, May 20. The recital was in honor of Mr. John Weaver of Portland, who are visiting at the Beach home this week. Besides a number of solos, Joe played three duets with his teacher, Miss Ruth Severance. Besides the guests of honor there were present: Mrs. Daisy Lewis, Mrs. Irene Crump, Mrs. E. S. Severance and daughter, Ruth, Mr. and Mrs. Vivian Beach and Mr. and Mrs. O. V. Meyers and Mrs. Meyers' mother.

The final dance of the season at Applegate is being looked forward to by all dance lovers of Jacksonville. This dance to be given May 25 at the Applegate hall will be sponsored by the Jacksonville dance orchestra, directed by Miss Ruth Severance. This orchestra, composed of Ruth and Phyllis Severance, Carl Larson, Orville Wilson and George Holmgang was organized last fall and has played in Jacksonville and Applegate for the dances throughout the winter.

Mrs. I. E. Icenbise of Klamath Falls, is visiting near Grants Pass and taking treatments at the Rogue River sanitarium.

Mr. and Mrs. Joe Brown and children from Phoenix visited at the J. H. Hueters home Sunday and attended the services at the Presbyterian church.

Mrs. Mary Woolridge, former resident of Jacksonville, passed away May 19 in Grants Pass and was laid to rest in the Missouri Flat cemetery.

Mr. and Mrs. J. B. Short and Mrs. John Short and two granddaughters, Burnett and Mary Short of Ashland were visitors at the E. R. White home the latter part of this week.

F. W. Barker of Medford called on relatives here Sunday afternoon.

A baseball game was played Sunday on the school diamond between a Medford team and the local town team. The Medford team won. Score, 11 to 6.

Mr. and Mrs. C. A. Barker of Myrtle Point, Coos county, and Mr. and Mrs. Earl Steel and son,

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