

# EXPERT WRITES OF WET WALLS

Problem Chiefly One of How to Mix and Apply Mortar to Bricks

By L. B. LENT  
WET walls are the least of my worries and, believe me, I'd hear about them if any of my houses had them. The people who buy my houses would soon ring me up, day or night, if water comin' through. If you build 'em right, they won't leak, no matter what kind of brick you

This was Andy's answer to my question—what is the cause of damp walls in a brick house. My next question was—well, you're so cocky about it, how do you build them so they are "right?" And what he told me is worth passing along, although there is no secret about it and a little common sense thinking would reproduce the same answer. Let's put down a few essentials and recall a few important things that we all ought to know and keep in mind—but we all don't. I am repeating Andy, as nearly as I can recall his words.

**Water Does Not Penetrate**  
Now get it straight, the water don't come through the brick. It can't, but it don't have to. If other places are easier to get through, and often they are. Just consider the mortar joints for a moment, although they are not only offenders.

Pure cement mortar is all right, but if you mix a little hydrated lime or lime putty with it, it makes it smoother, and the brickman don't have so much trouble in filling the joints, so he isn't so apt to get tired and sweat some of the work. Put about 10-15 per cent lime with your 1-3 cement mortar, or go to a straight 1-1-6 cement-lime mortar and you'll gain in workability what you may lose in mortar strength—which is plenty strong in any case. But don't expect a "skippy" mortar to do the job. One part cement and seven or eight parts sand isn't mortar, any more than a little cement and a lot of rock and sand is concrete. You can't make a good warm overcoat out of shoddy cloth. I'm not talking about that kind of mortar.

**How To Apply Mortar**

Now, having some good workable mortar, put it into the wall around the bricks, not just a little on the front edge. Lay the brick in a full bed of smoothed (not grooved) mortar and butter the end joints enough to fill each outside vertical joint at least half way back from the face—all the way back is much better. And don't fit closers in so tight that you can't get any mortar in the vertical joints. Chip them down to a size a little smaller than the space they go in and get some mortar around them. I've found closers the cause of trouble more than once. And usually because they were fitted so tight that the job was finished by striking the outside of the joint so it would look like some mortar was in there.

And, speaking of striking joints, it's always safer to strike all joints if you want to be sure. It doesn't take much time, nor cost much, and a weather struck joint makes it hard for the water to even start its journey through the wall.

If you fill the joints of the outer wythe of even a 4-inch wall, water can't get through, though frost may. If the outer joints of an 8-inch or thicker wall are full of good mortar, you can go home and forget it as far as water getting through goes.—(Building Economy.)

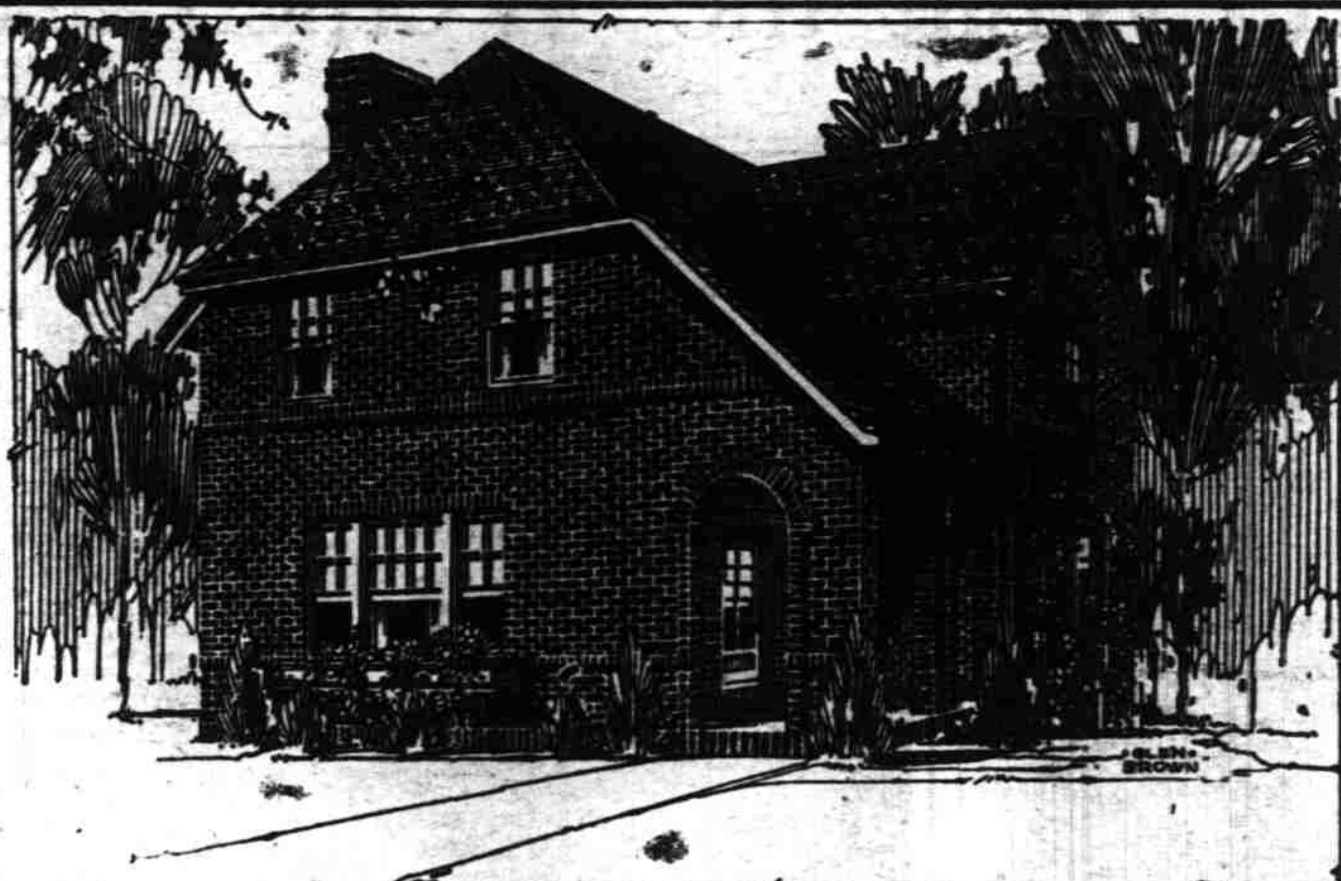
## ZIMMERMAN CHOSEN AS CIRCUIT JUDGE

Howard Zimmerman, son of A. F. Zimmerman who lives north of Salem, was elected circuit judge in Clatsop county Tuesday, defeating Judge Eakin who has held the office for 20 years. Mr. Zimmerman ran on the democratic ticket, making his victory all the more remarkable in the midst of the republican landslide. The elder Zimmerman is a faithful republican and considers his son the political "black sheep" of the family, even though proud of his success. The circuit judge-elect received his elementary and high school education in Salem, graduating from Salem high. He then attended University of Oregon for four years, receiving a bachelor of arts degree, and earned his law degree at Stanford university. He has been practicing law at Astoria for 12 years.

## State Dry Force Busy Last Month

State prohibition operatives participated in 93 arrests for violations of the "dry" laws during the month of October, according to a report prepared here Thursday by George Alexander, state prohibition director. Fines imposed in the several cases aggregated \$2750, with jail sentences totalling 1215 days. The officers destroyed 5444 gallons of maah and 681 gallons of finished liquor. Fifteen stills were confiscated and two automobiles were seized.

## Durability Stands Out All Over This Home

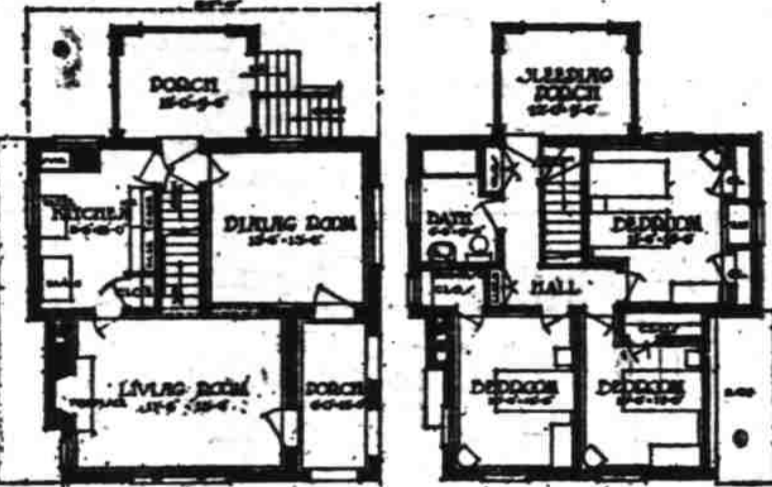


THE POCATELLO—DESIGN NO. 5

ALMOST every house, whether it be mansion or the humblest cottage, has some outstanding characteristic which impresses one at first sight. Whether that impression is pleasing or otherwise often has an important monetary value as not infrequently it governs to no small degree the saleability of the house. It is a feature to give careful consideration in the selection of your house plan.

About this home lingers an air of substantiality that is instantly impressive. One senses with a glance that it is well built, that its durability is assured and that for many years to come there will be little or no demand for repairs. And in design it displays good lines, a minimum of all that both large and well lighted. The second floor, reached by a center stairway from the living room, provides three extra large sleeping rooms and bath, with a sleeping porch in the rear. Altogether it is ideal.

The Common Brick Manufacturers' Association, Cleveland, Ohio, can furnish complete drawings for this design. Leaflet on brick construction sent upon request.



## DURHAM TALKS AT LIONS' LUNCHEON

That a good understanding better qualifies a person for a place in society was pointed out by H. F. Durham, principal of the Parrish junior high school, who spoke at the luncheon meeting of the Lions club in the school building Friday. The advances in educational methods and equipment was pointed out by Mr. Durham in the course of his talk in connection with National Education week. The trend toward growth in ethical character was cited by the speaker.

The average salary for teachers 40 years ago was \$20 a month as compared with \$1295 for the whole school year as paid now. Besides receiving more for their services, it was pointed out that the teachers are working under much better conditions in the modern schools. While few of the teachers in the 1890's had more than a high school education many now have several years of college training in addition to the normal school course.

School attendance has increased 17 per cent in the last 40 years from 62 per cent to 79 per cent of the children of junior high age. The length of the teaching term has increased 33 days until it is now 168 days a year. The average attendance has more than doubled to reach 109 days at the present time.

The luncheon was served under the direction of Mrs. Creech, director of the domestic science department by girls taking the course in connection with the luncheon. Delbert Jensen gave a violin solo and Helen Benner a vocal solo. Mrs. Swan played the accompaniments.

## Girls Start To Compile School Census Figures

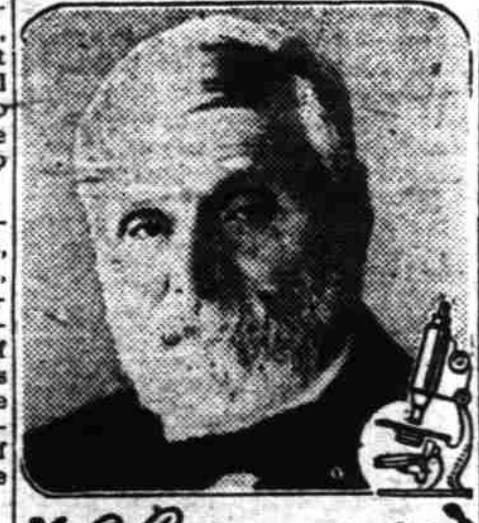
Twelve members of Miss Elizabeth Hogg's advanced commercial classes have started to arrange the school registration and census cards in alphabetical order that each may be compared against the other. In this way many children who have moved to town and started to school after the census roll is completed in their neighborhood are noted on the final census. Following this work, the girls will type the complete census list. The number on the census must be ready for the county school superintendent December 1. According to present indications, the Salem school population, including all children from 4 to 20 years old, will not show much increase over last year. Girls working on the census are: Dorothy McCracken, Doris Enos, Helen McElroy, Gladys O'Neil, Lula Wiederkehr, Lydia Rehfus, Virginia Rehfus, Virginia Ahalt, Sylvia Honkala, Juanita Walling, Irene Windso, Sibel White and Harriet Adams.

## Floods Lacking; Drains Success

Despite the heavy fall of rain in the last two days, the usual flooding of basements in Salem has not occurred, reports Hugh Rogers, city engineer. The reason is that the recently constructed storm drains are doing what they were intended to do. No complaints have come either from North Salem or Southeast Salem, where floods have been an annual occurrence in the past.

## Doctor at 83 Found People Preferred His Prescription

The basis of treating sickness has not changed since Dr. Caldwell left Medical College in 1876, well before he placed on the market the laxative prescription he had used in his practice, known to druggists and the public since 1892, as Dr. Caldwell's Syrup Pepsin.



Then, the treatment of constipation, biliousness, headaches, mental depression, indigestion, sour stomach and other indispositions was entirely by means of simple vegetable laxatives, herbs and roots. These are still the basis of Dr. Caldwell's Syrup Pepsin, which is a combination of senna and other mild laxative herbs, with pepsin.

Dr. Caldwell did not approve of drastic physics and purges. He did not believe they were good for human beings to put into their system. If grown people want to use them no one can deny them the privilege, but they should never be given to children.

The simpler the remedy for constipation, the safer for the child and for you, and the better for the general health of all. And as you can get results in a mild and safe way by using Dr. Caldwell's Syrup Pepsin, why take chances with strong drugs? All drug stores have the generous bottles. Many is the family today that makes it a rule always to have a bottle of this perfect preparation in the house. Keep it handy and observe these three simple rules of health: keep the head cool, the

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## Yamhill's Vote First Reported

Yamhill was the first county in Oregon to file its vote in Tuesday's general election with the secretary of state. Returns from Yamhill county were received here Thursday. The work of canvassing the vote of Tuesday's election will get under way today in the state department. Officials said it would require a month to complete the work.

## Campbell To Be Band Director

SILVERTON, Ore., Nov. 10.—(Special)—Hal L. Campbell of Portland has been elected direc-

tor of the Four L band of Silverton. Mr. Campbell has had years of experience as band and orchestra leader. At present he is conducting a high school orchestra class. Silverton's first opportunity to hear the Silverton band under Mr. Campbell's leadership will be on Armistice day.

## Interstate Bus Service To Open On November 18

Operation of daily north bound and south bound through interstate motor coach service between San Francisco and Portland, to be commenced November 18 by the Southern Pacific Motor Transport company, was announced Thursday by T. E. Wilson, vice presi-

dent and general manager of the company. The run between the two cities will be made in 23 hours and 40 minutes. "Motor coaches used in this service," Wilson said, "will be modern and commodious. As the operation will be interstate, only passengers from Oregon to California points or from California to points in Oregon will be carried."

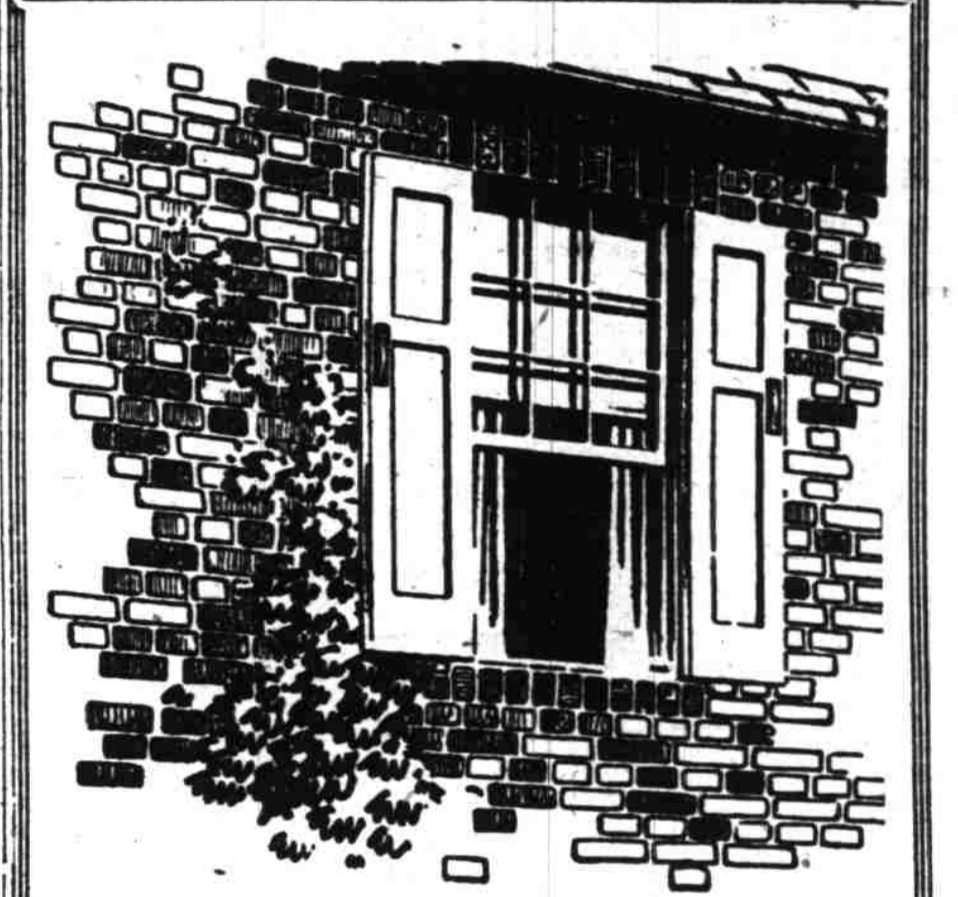
## Mill Accident Injury Slight

MILL CITY, Ore., Nov. 10.—(Special)—Leonard Cappinger had a narrow escape Wednesday when the Ross carrier he was driving skidded on slippery planks and went off the mill dock. He escaped with no more serious injury than a wrenched knee.

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"You'd be surprised how little BRICK costs"

"AFTER we'd reached the point where we were discussing the kind of house we would build, my wife said: 'Of course I'd rather have brick—who wouldn't—if you think we can afford it.' I laughed, for I'd been doing some investigating and discovered we couldn't afford NOT to build with brick."

That's getting to be a common experience. People who haven't known much about brick construction are amazed at its economy when the lifetime cost is considered.

And with this economy they get the advantages of beauty, permanence, protection and distinction which brick walls give to any home.

Have you noticed the increasing proportion of brick homes you see in driving about this city? It shows a trend that is significant.

If you are planning to build a new home or buy one, it will pay you to consider the advantages of brick.



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