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SIDEWALK BUILDING

Many Local Improvement Bylaws Considered by Council

Several local improvement bylaws were put through at last night's meeting of the city council, covering sidewalk construction in the downtown business section, among them being the following:

Concrete sidewalk, east side of Seventh Street, Second to Third Avenue, initiative bylaw, finally reconsidered and adopted.

Concrete sidewalk, north side of Second Avenue, Seventh to Eighth Streets, construction bylaw, finally reconsidered and adopted.

Asphaltic sidewalk, 10 feet wide, west side of Sixth Street, Fraser Street to 60 feet from Third Avenue intersection, construction bylaw, introductory readings.

Wooden sidewalk, 8 feet wide, north side of Second Avenue, Sixth to Third Street, construction bylaw, introductory readings.

Wooden sidewalk, 8 feet wide north side of Second Avenue, Second Street to McBride Street, construction bylaw, introductory readings.

Wooden sidewalk, 8 feet wide, west side of McBride Street, First Avenue to Third Avenue, construction bylaw, introductory readings. Ald. Macdonald and Ald. McCutcheon voted against this bylaw, contending that it was advisable to instal a full width sidewalk at least from Second to Third Avenue.

Building Trades Improving in City

Yesterday tenders were advertised, for the erection of a new Masonic Temple. Last week tenders were asked for the completion of the Fisheries Experimental Station. A few houses are being built in different parts of the city. Considerable repair work and painting is going on, all helping to bring about a better condition in the local building trades.

With the settlement of the fisheries question there will be a hopeful outlook all round and people will be more disposed to proceed with building plans. Those who last week were feeling blue and disposed to be pessimistic are today looking forward much more hopefully to improved conditions in the city.

There is still talk of a pulpmill being built here before long and other work is in the offing. In the meantime, there are more than enough workers to handle everything that is offering and it will be some time before all are employed.

Much interest is being taken in this series of plans. Men and women who will not be ready to build for a year or two are already considering what they may do and how they may do it.

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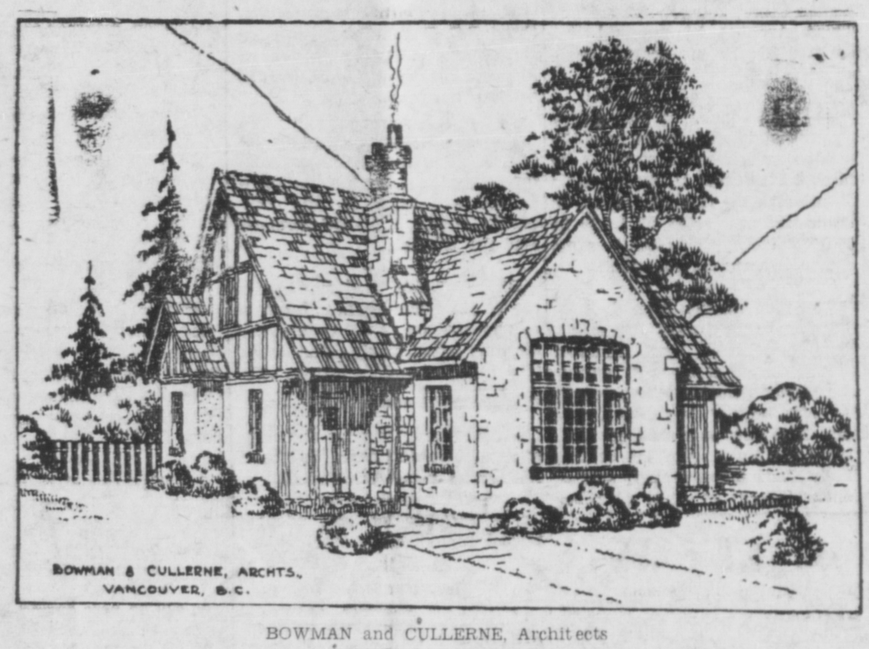


BOWMAN and CULLERNE, Architects

UNTIL the floor plans are examined it is hard to realize that in such a moderate sized home so much could be incorporated. The rooms are very neatly and cleverly arranged with interesting and surprising closets, recesses and entrances, worked out in a simple manner.

The entrance hall or vestibule leads to a coat closet, rear hall stairway and living room. This living room is especially worth noting because its ceiling runs up to the roof.

Adjacent to the living room is the dining room which is connected to the kitchen by means of a small hall or passage which also leads to the maid's room. A washroom and clothes closet are supplied for the servant's quarters.

The rear hall which leads from the entrance hall to the kitchen also connects to the garage. There is a small cupboard handily placed at the end of this hall.

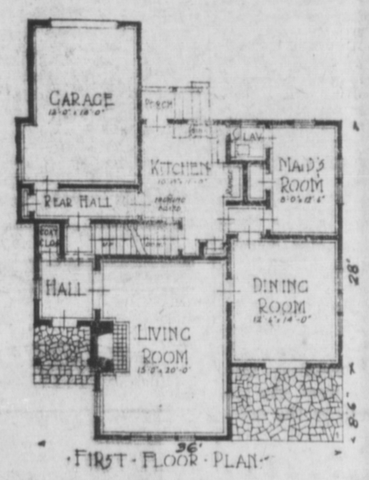
On the second floor the bathroom has been divided up into two rooms so that the bath and lavatory are separate from the water closet. Both rooms are tiled and have modern fixtures and fittings. Between the rooms is a small passage with a window at the end which serves to light the main hall.

The artistic stone chimney rising through the roof becomes a point of interest by breaking the roof lines. The stone and brick of the chimney, and stone, stucco and half-timber of the house form a pleasing harmony.

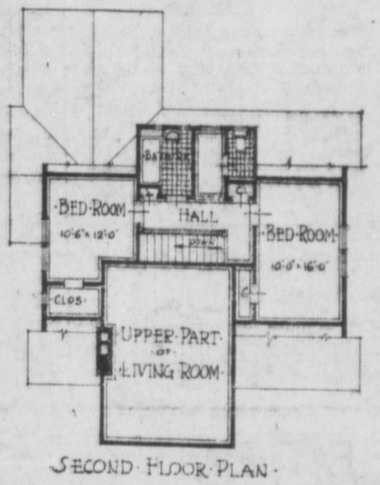
Outline Specifications

Size of House: 36' 0" x 36' 6."
Suitable Lot: 50' frontage.
Walls: Stucco.
Roof: Shingles.
Built-in Fixtures: Cupboards.
Cubic Contents: 31,200 cu. ft.
Approximate Cost: $7,150.

Readers desiring further information regarding a house of this design should communicate with Messrs. Bowman & Cullerne, 525 Seymour St., Vancouver, B.C., and mention design No. 278. Consult a local architect if designing architect is too far removed. Copyright 1931.



FIRST FLOOR PLAN



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HERE ARE RULES TO GAUGE STRENGTH OF CONCRETE MIXTURE

Water-Cement Ratio

A KNOWLEDGE of what concrete really is makes it easier to understand why it is now specified according to the amount of water required to mix with each sack of cement. Today, concrete is considered simply as a mass of fine and coarse materials, known as aggregates, held together by a hardened portland cement paste. A simple explanation of this is that the cement and water form a glue or paste when the materials for concrete are first mixed together. Then the paste mixes with the sand to form a mortar. As the mixing continues, this mortar surrounds the particles of coarse aggregate to produce concrete. At first this concrete is in a plastic condition, but a chemical action then takes place between the cement and water causing the concrete to harden.

If the cement paste in concrete is thin or diluted from the addition of too much mixing water, a weak mortar is produced. In such mortar the sand particles are not firmly held together. When the mortar is weak the concrete will be weak because the coarser aggregate will be only partially held together. But cement paste which has good binding qualities will produce strong mortar that will hold the aggregates firmly together to make strong concrete.

It is, therefore, the strength of the portland cement paste which determines the strength of the concrete. And the strength of this paste is determined by the amount of water mixed with the cement, the main reason why concrete is now specified according to the amount of water required to mix with each sack of cement. For ordinary watertight concrete, approximately six gallons of water are required for each sack of cement.

Second in importance only to the amount of mixing water in controlling the strength of concrete, comes proper curing. Thorough curing is particularly necessary where watertightness is required. Such curing requires both moist atmosphere and proper temperature, and at its best is carried on under moist conditions at temperatures at or near 7 degrees F. for a period of time varying from a few days to four weeks, depending on the nature of the work. Copyright 1931. The Architects' Small House Service Bureau, Inc.

Walk Repair Is Requested

Third Avenue to Fourth Avenue Thoroughfare to Get Attention

The city council last night referred to the Board of Works with power to act on a largely signed petition requesting repairs to the walk leading from Third Avenue to Fourth Avenue alongside the Dybhavn & Hanson block.

Ald. Pullen, Ald. Pillsbury, Acting Mayor Collart and Ald. McCutcheon spoke in favor of making the repairs. Ald. Rudderham, while sympathetic to the request, felt that if it were met, something else would probably have to go by the board.

City Engineer Good estimated that, if city property were followed it would cost $2000 to provide a walk. By following the present right over private property, the cost would probably be around $250. Ald. Pillsbury felt the engineer's estimate was on the high side.

The matter of getting permission for right-of-way was discussed before finally referring the matter to the board of works with power to act.

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