

POPULARITY OF METAL LATHS.

In discussing the popularity of metal lath a writer in one of our exchanges points out that there is always a risk in putting ornate decorations upon ceilings or walls that may yield or crack with any change of temperature or humidity. Owing to the rigidity imparted by the metal laths the decorations suffer no deterioration. The householder desirous of having ceilings, walls and partitions that will be rigid and inflexible can attain his object by means of the metal lath.

Walls, partitions and ceilings thus constructed are proof against fire, water, vermin and sound. Metal protected by plaster is free from corrosion. All wooden beams or supports are so insulated as to be practically fireproof. Gas pipes, electric wires and other necessary connections can be made through the walls without difficulty. A metal lath with plaster is also adapted to air shafts, dumbwaiter

shafts, chimney stacks, alcoves, architraves, cisterns and vaults.

MAKING SEWER CONNECTIONS.

A new plan is to be put in force at Duluth by the board of public works in the manner of making sewer connections. The present system is to issue permits to all licensed plumbers for making connections anywhere in the city, for which a deposit of \$5 is made with the board, to be retained for six months to assure the proper restoration of streets. A considerable portion of the trench digging is let by the plumber to other men at so much per foot, so that it is impossible to get satisfaction as to the manner of doing the work. Therefore complaints are constantly being made, by the public, of holes in the streets caused by careless filling in the lower part of trenches. The surface may appear to be firm, being nicely rounded and sun-baked, concealing a good sized burrow, which is usually revealed in rainy weather when some team comes along unaware of any danger, to get stuck in a sewer trench that had been filled more than a year before. Tunneling under streets is also very damaging and is often done in making sewer connections, especially under permanently improved streets or gutters. It is very damaging and ordinarily requires about five years' time in which to settle to its former condition. A considerable amount of money is spent annually in following up these gophers trying to keep their burrows filled. Therefore the conclusion is that the best thing to do would be to have the city put in all sewer connections to the property line, charging fifty cents per lineal foot for earth excavation and extra for rock and frozen earth not exceeding the cost. This work would be under the supervision of the sewer foreman, now in the employ of the board of public works, who has to employ a crew of men for the ordinary repair work.

BUSINESS NOTES.

The partnership existing between James Hogg, John Keating, and Charles Cooper as builders and contractors, Toronto, under the name of Hogg & Company, has been dissolved by effluxion of time.

Charles Thompson, plasterer, Lower Fort Garry, N. W. T., is announced to have assigned to W. P. Aslip.

James G. McDonald, a prominent contractor and native of Pictou County, N. S., died at Moncton, N. B., last week. He had recently been engaged in railway construction in Nova Scotia for Mackenzie & Mann.

Alex. Desmarreau has been appointed curator of the estate of Galarneau & Ethnier, plumbers, Montreal.

Granite asphalt has been given a trial in Paris lately as a substitute for the usual rock asphalt in situations where it is necessary to keep down the slippery properties of a pavement. It consists of various grades of crushed stone, particularly granite chippings, mixed with hot natural asphalt in an ordinary tar boiler. The pavement is stated to be much harder than the rock asphalt pavements laid in that city and to give very satisfactory results.

The City Engineer's authority in selecting pavements for different streets is generally so close to nil that this expensive class of work is done without any really intelligent system. The city engineer is presumably the official judge of the most suitable material for paving a given street. Naturally enough, the owners of abutting property, who generally pay a considerable part of the cost of such work, do not often care to meet the expense of the most costly construction and consequently they are entitled to a reasonable amount of influence in selecting the material. The right method would seem to be for the city engineer to designate certain pavements which are suitable, stating in a report the cost and relative merits of each, so that the property owners will be in possession of an unprejudiced statement of the facts necessary for making an intelligent decision.—Engineering Record.

JOHN GALT

C. E. and M. E.

CONSULTING ENGINEER
and EXPERT

SPECIALTIES:
WATERWORKS, SEWERAGE
AND ELECTRIC LIGHT

Chief Assistant Engineers:

O. W. SMITH, C. E. W. J. BOWERS, C. E.

23 Jordan Street TORONTO

JOHN S. FIELDING

Mem. Soc. C. E. West Penn. '87.

CONSULTING ENGINEER

Water Powers Dams, Bridges

Room 2, 15 Toronto Street, TORONTO ONT

DEBENTURES

.. Bought and Sold ..

G. A. STIMSON & CO.

15 and 16 King Street West - TORONTO

BANCO ZAROSSI

Italian Licensed Labor Contractor

460 St. James St., MONTREAL

All kinds of Italian Laborers furnished on short notice.

The Old Machinery

or plant, or tools for which you have no present use, might be sold or rented to some other reader of the CONTRACT RECORD by the investment of a few dollars in advertising.

CONSIDER :

for a moment, that roadways are built to be used by the horse.

THE BITULITHIC PAVEMENT

provides a sure foot-hold for the horse, gives him confidence, he draws a heavier load with less exertion, and consequently is of more value.

The Warren Bituminous Paving Co., Limited

164 Bay Street, TORONTO.

- CONCRETE PIPE -

Reinforced Concrete, Culvert and Sewer Pipe

Frost-Proof and Practically Indestructible

We have on hand over 5 miles of Reinforced Pipe, 6 inch to 36 inch. Engineers and others interested, please write us for prices.

THE DOMINION CONCRETE CO., LIMITED, KEMPTVILLE, O NT

CRUSHERS

equipped with Dies and Bearings of the best English Manganese Steel. Latest approved Chain or Belt Elevators, any length. Revolving and Chute Screens, any Specification.

SAWYER & MASSEY CO., LTD.
Hamilton, Can.

