

PAINT FOR GALVANIZED IRON.

In an article in the Painters' Magazine which points out that oil paint peels off galvanized iron readily if not soon renewed, the following treatment is advised: Dissolve two ounces of chloride of copper, two ounces nitrate of copper and two ounces sal ammoniac in one gallon of water; then add two fluid ounces of crude hydrochloric acid. This solution must be made in stone or earthenware to prevent precipitation of the copper salts. Cover the surface of the galvanized iron with this solution and it will assume a black color, which on drying over night will turn light gray and upon which a red lead priming, thinned with equal parts of raw linseed oil and turpentine, will hold like grim death. Subsequent coats can be given in colors rich in oils, etc. Galvanized iron should at no time be first coated with an all oil paint.

CEMENT WASH FOR THE PROTECTION OF IRONWORK.

Coatings or coverings of cement have been employed by certain railway companies in France for some years past to protect the metallic portions of bridges crossing their lines from the rapid destruction to which such parts are liable by reason of oxidation, through being continually exposed to the action of clouds of steam and gas, products of combustion escaping from the locomotives. Formerly the practice was to protect such structures as were most exposed to such deterioration by providing sheet metal guards, in the form of reversed channels, secured to beams in a direction parallel to the lines, which guards were replaced as soon as they had become worn out. At present, however, ironwork in situations where it is exposed to the above deteriorating effects is usually protected by a coating of cement. A method of applying the cement which is used in Austria, and which is highly spoken of, consists in brushing down the ironwork with a heather broom, dampening it with a rag or whitewash brush, and afterwards applying two coats of Portland cement wash made rather thick, and having added to it a proportion of fine sharp sand. In Berlin a coating of mortar containing a third part of cement has likewise been successfully employed for preserving the parts of ironwork which are buried in the ground. At Zeebrugge, in Belgium, where a deep-water harbor is now in course of construction, a portion of the pier of 300 metres in length is being formed of open work, and the steel piles of this part are endued with a coating of semi-fluid cement mortar, applied by means of an apparatus worked by compressed air, the piles having been first subjected to a preliminary cleansing by means of a sand blast projected by the same apparatus.

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

CORPORATIONS Will do well to consider our work and prices before letting contracts

The Silica Barustic Stone Company of Ontario, Limited.

WALTER MILLS, General Manager. Head office: INGBERSOLL, ONT.

Please mention the CONTRACT RECORD when corresponding with advertisers.

ORE AND STONE CRUSHERS

HOISTING MACHINERY RAILWAY SUPPLIES

BOILERS AND ENGINES
Prices furnished on application

MARSH & HENTHORN, BELLEVILLE, ONT.

THE PHOENIX BRIDGE & IRON WORKS

MANUFACTURERS OF STAY BOLTS AND ALL KINDS OF RIVETS

STEEL AND IRON STRUCTURAL AND ARCHITECTURAL WORK

Beams, Channels, Angles and Tees always in stock.

29 to 49 McGill Street,

P.O. Box 893.

MONTREAL

Prices on Application.

THE CADWELL SILEX STONE CO'Y

SILEX STONE WALKS CURBINGS } A SPECIALTY

TO CORPORATIONS.—We can give you the benefit of our ten (10) years' experience in building our Silox Stone Walks.

G. W. Cadwell, Manager, Windsor, Ont.

Portland Cements...

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC AND ARTIFICIAL STONE SIDEWALKS.

Sewer Pipes,

Best English Cements. Best Belgian Cements.

Culvert Pipes, &c.

W. McNALLY & CO., Montreal.

JOSSON CEMENT .. Manufactured at.. NIEL ON RUPELL

Is the Highest Grade Artificial Portland Cement and the Best for High Class Work. Has been used largely for Government and Municipal Works.

TO BE HAD FROM ALL CANADIAN DEALERS

C. I. de Sola, Manager in Canada .. 180 St. James Street, MONTREAL

STUDEBAKER SPRINKLER

(PATENT IMPROVED)



Does not Clog or get out of Order.

Greatest Width of Spray.

Can be Graded from Driver's Seat to any Volume.

We also make an. . . .

Improved Vertical Spray

. . . . for Pavements.

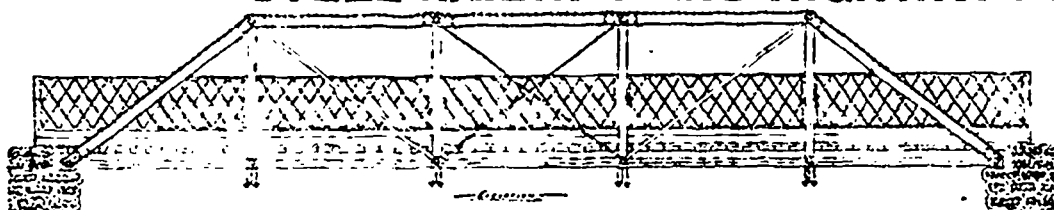
Write for Prices and Catalogue to

Geo. Heaman, Mfg. LONDON, ONT.

THE HAMILTON BRIDGE WORKS CO., LIMITED, HAMILTON, CANADA

Manufacturers of . . .

STEEL RAILWAY AND HIGHWAY BRIDGES



Beams, Channels, Angles and Tees always in Stock.

Steel Roofs and Every Description of Steel Lattice and Girder Work

Estimates Furnished on Application.

MUNICIPAL DEBENTURES BOUGHT

ÆMILIUS JARVIS & CO. (Toronto Stock Exchange) 82 King St. West, TORONTO