

ness, by the use of rubble cement. The timber casing, or curbing, must of course be built up as the laying of the arch proceeds. Within the casing, and firmly tamped against it, there should be placed fine concrete to a thickness of about six inches. This will form a shell for the abutment, inside of which large stones may be placed in rock-and-pinion order, ends up. There should be a space of at least two inches between the stones, filled with fine concrete, and all firmly rammed. The outer shell of fine concrete should always be kept built up six inches or so in advance of the rubble work. This should be laid in layers, and each layer well flushed with a layer of fine concrete. The lumber used in making the curbing and casing should be dressed, tightly fitted, and firmly braced, so that the concrete may be well rammed into place. The exterior of the culvert, when finished, should have a smooth face, free from holes; and a surface coating, which is of little use, should not be necessary. The arch centre should be firmly put in place, and should not be removed for at least two weeks after the completion of the arch.

(Continued in next issue.)

DEBENTURES BOUGHT

Municipalities saved all possible trouble by applying to

G. A. STIMSON & CO.

Investment Dealers

24 and 26 King St. W. - TORONTO

Notice to Contractors

WE can save you money on..... Granolithic or Crushed Stone

of any size, as we have the most complete plant in Canada. You will consult your own interests by getting our prices. We also make a specialty of Slate, Tile, Granite and all kinds of Stone. Crusher at Jarvis street wharf.

THE POWELL GRANITE & MARBLE CO'Y, Phone 3440. Office, 482-484 Yonge St., Toronto

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

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

The Silica Barystic Stone Company of Ontario, Limited.

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

Prices of Building Materials.

PRESSED BRICK, Per M.

TORONTO PRESSED BRICK AND TERRA COTTA WORKS.

Table with columns for Red No., Buff No., Brown, Roman Red, Hard Facing, Sewers, Roofing Tiles, and prices for Toronto and Montreal.

COMMON BRICK, Per M.

Table with columns for Common Walling, Good Facing, Sewer, and prices for Toronto and Montreal.

STONE.

Table listing various stone products like Common Rubble, Large Flat Rubble, Foundation Blocks, Ashlar, Portland Cement, and their prices.

INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Index listing various categories such as Architects, Cements, Drawing Inks, Roofing Materials, etc., with corresponding page numbers.

Table listing paving blocks and materials like "Scoria" Paving Blocks, Masillon, and Quebec and Vermont rough granite.

CREDIT VALLEY STONE. F.O.B. QUARRIES.

Table listing rubble, brown coating, brown dimension, grey coating, and grey dimension with prices.

LONGFORD STONE.

Table listing rubble, ashlar, and dimension with prices.

SLATE.

Table listing roofing materials like red, purple, adding green, olack, and Terra Cotta Tile.

CEMENT, LIMB, etc.

Table listing various types of cement and lime with prices.

Table listing fire bricks, lime, plaster, and hair plasterers with prices for Toronto and Montreal.

HARDWARE.

The following are the quotations to builders for nail at Toronto and Montreal:

Table listing cut nails and steel with prices.

CUT NAILS, FENCE AND CUT SPIKES.

Table listing cut nails and cut spikes with prices.

Cut spikes, 10 cents per keg advance. Steel Nails, 1cc. per keg extra. Wire nails, 3-35 base price.

Iron Pipe:

Table listing iron pipe with prices.

Lead Pipe:

Table listing lead pipe with prices.

Galvanized Iron:

Table listing galvanized iron products like Adam's-Mat's Nest and Queen's Head and Opello.

Structural Iron:

Table listing structural iron products like Steel Beams, channels, angles, tees, plates, and Sheared steel bridge plate.