pipe is called "Scotch," it will pass, no matter w inferior in quality—in fact, the magic nan of "Scotch" renders it unnecessary to inspect the pipe. Scotch pipes are being largely used in Toronto this year, and are to be seen at most street corners. I would ask you or any of your re der to examine the first batch of these pipes that you The outside of the pipe is salt glazed doutnedly, but how about the inside? In the case of perhaps 50 per cent., the ginze inside the pipe is put on with a sponge or a brush, and great care is not taken to cover the whole surface and the glaze is streaked on. I don't say what that glaze is, whether varnish, paint, or a slip, but I do say it is not salt glaze, because salt glaze is not put on with a bresh or a sponge, but is the chemical action of chloride of sodium (in a volatilized condition) on the silicate and alumina contained in the clay, and the pipes are subjected to this process when at a temperature of about 2.700° Fahr.

10.

The inference is, that these pipes are not first quality, but that the exigoncies of competition against the growing industry in this country, has made it necessary for dealers to buy a cheap pipe; and this iden is borne out by the fact that importers of Scotel pipes are entering them at customs at the following prices: ---, inch ippes por yard, ad.; 8 inch, 6d.; 9 inch, 9d.; 12 inch, 15. Is it reasonable to suppose that at good article could be delivered from 10 to 15 mills from the works, absorbed - bub poses counts are table formers.

from go to too per cent, higher than Scotch, I consider the Ohio pipe far superior to the Scotch, being well glazed and of a denser hody, and better calculated to resist absorption and the scittor of acids, but they are not up to the standard of thekiness-in fact, they are in some size ag per cent, below it. This is prolably occasioned by the necessity of saving freight in shipment, but the Standard - *t* inch in thickness to 12 inchs in diameter, is gaine him enough to bear the superincumbent weight of earth, and should be insisted upon by engineers.

Scutch pipes of some brands do not come up to the standard of thickness, and the change to a lighter pipe has been noticeable during the last three years, the same object being in view, viz, to lessen the freight at the expense of utility.

In reference to the pipe made at St. Johns, we would say, that it is the strongest pipe in the market, well glack, of dense body, and thoroughly vittified, and we think we cannot offer a fairer way of stufting the question of their being equal or superior to any pipe imported into Canda, then by offering to meet the apen and public competition, any other brand--the pipes to be tested by any means suggested by an engineer named by us, and one named by the representative of any imported brand, staid two engineers named as third, All the writing in the world would not remore the isborn apeljudice is some seed's minds, tout an occular demonstration might, and we invite all importers to take up this chalhenge, which we will attend to very prompily.

Yours very unity, W. C. TROTTER,

Preside

The Standard Dmin Pipe Co., of St. Johns, P. Q. (Lim,)



Notice to Contractors.

TENDERS will be received, by registered post, addressed to the Chairman of the Committee of Works up to 2 o'clock p. m. of the 21st day of December, 1888, for the construction of the

## DUNDAS-STREET BRIDGES, Both Masonry and Steel Superstruc-

ture.

Specifications, plans and forms of teader, can be obtained at the City Engineer's Office, on and alter the tob finst. A deposit in the form of a market debute, parable to the order of the City value of the work.tendred for, must accompany each and every tender, otherwise it will not be entrained. All tenders must bear the bona fide algostures of the contractor, and ther or his avects, jose specificationi or they or been too tracted out as informat. The Committee order.

(Signed), WM: CARLYLE, Chairman Committee on Works

Committee Room, Foronto, Dec. 1st, 1888.

THE CRNADIAN ARC		
BUILDING MATERIALS.   Louan.   An oranoa   1% and thicker, elser picked, and in.   1% and thicker, picking, An ina.   100 an in,	b. H. 5 op 10 oo   t ij inch flooring rough	ORMERY, LIME, etc. Line, Per Barrel of Subinits, Gry. Plaster, Calculation, Per Barrel, Souther, Calculation, Per Barrel, Souther, Souther
Balling generation 4 30   Building generating allowability 6 30   Building generating allowability 7 00   Building generating allowability 3 00   Building generating allowability 3 00   Building generating allowability 3 00   Special aliding pre square 3 50   Special aliding pre square 3 50   Special aliding pre square 3 50   Shipping coll loards, premiceous 100   Shipping coll loards, premiceous 100   Shift cull bards and scalling 100   Stanting on plasting up to 54 A 12 00   a 16 A 13 00   Catting op plashes, r/g and blackdowf re 0 00 00 00   Dressing stockt 10 00 18 00 <td>Steel Mare Pow It It is di Sau</td> <td>THE "NOVELTY" I Plate Warm Air Furnace. THE ACME OF CONSTRUCTION. good points than any heater on the market. Frful, economical and perfect in operation. good points than any other heater. he most successful of all furnaces in heating isolated country houses. Market Catalogue. Estimates furnished. TOPONTO FUINACE CO. 10 Queen St. East, - TORONTO MANUFACTURERS OF DE MOVEMENT BOT ANE RECISTERS.</td>	Steel Mare Pow It It is di Sau	THE "NOVELTY" I Plate Warm Air Furnace. THE ACME OF CONSTRUCTION. good points than any heater on the market. Frful, economical and perfect in operation. good points than any other heater. he most successful of all furnaces in heating isolated country houses. Market Catalogue. Estimates furnished. TOPONTO FUINACE CO. 10 Queen St. East, - TORONTO MANUFACTURERS OF DE MOVEMENT BOT ANE RECISTERS.

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