

and Rachael street.—Mr. Edward Maxwell has arrived from Boston to superintend the erection of the new Board of Trade buildings, the building of which will shortly be commenced.—The following building permits have been granted: P. Deslauriers, 3-storey stone and bk. dwelling, St. Famille St., P. St. Jean, architect, cost \$5,000; two 4-storey stone and bk. houses, St. Antoine St., cost \$8,000; Jos. Denis, 2½-storey bk. and wood dwelling, Ryde St., cost \$1,800; S. R. W. Marchand, 2-storey frame dwelling, St. Elizabeth St., J. Smard, architect, cost \$1,200; St. Jean Baptiste Ward Board of Commissioners, 4-storey stone and bk. college, 100 x 72 feet, Drolet St., J. E. Resther & Son, architects, cost \$15,000.

CONTRACTS AWARDED.

SOUTH SYDNEY, N. S.—The Canada Electric Company, of Amherst, have secured the contract for supplying the electric light plant for the town.

TORONTO, ONT.—The contract for the erection of stations and freight sheds for the Belt Line railway has been awarded to Mr. W. McDermid.

GUELPH, ONT.—The contracts for an addition to ex-aid, Pepper's factory have been awarded. Mr. Wm. Slater has been given the stone work and Mr. Simmons the carpentry.

ST. CATHARINES, ONT.—The Globe Furniture Co., of Walkerville, Ont., has received the contract for seating and pulpit furniture for the new Queen Street Baptist Church, at the price of \$975.

LONDON, ONT.—The contract for drains on Richmond, Hyman and Wellington Sts. has been awarded to Mr. W. P. Turner, at \$2,600. Mr. J. Walter's tender was accepted for a sewer on William St.

WATFORD, ONT.—Mr. Adam Gerhard, of Delhi, has been awarded the contract for the erection of the new High School building, for \$4,977. He also has the contract to erect the Delhi High School building.

MONTREAL, QUE.—The Roads Committee has finally awarded the contracts for asphalt pavements to Mr. James Cochrane, at \$3.50 per cubic yard.—The Montreal Terra Cotta Lumber Co. has been awarded the contract to supply porous terra cotta for the new Carslake Hotel; also private dwelling for Mr. Fairman.—W. McNally & Co. have been awarded contracts for the supply of over 15,000 casks Portland cement to the different street paving works about to be commenced in Montreal.

USEFUL HINTS.

The Austrian Hydrographic Bureau adopts the following method of making paper transparent for copying drawings: The sheet of paper being placed over the drawing to be copied, it is lightly rubbed with a ball of cotton saturated with pure benzine. The tracing can then be readily made, owing to the resulting transparency, and the benzine on evaporating, leaves the paper opaque as before, and without any trace of odor. Absolute purity of the benzine, however, must be insisted upon to secure good results.

RAPID BLUE PRINTING PAPER.—Mr. F. H. Latimer, of Vancouver, B.C., writes to *Engineering News* that a year or two ago, while experimenting with blue printing processes, more particularly with the object of getting bright blues and clear white lines, he found that after the usual washing a bath of quite dilute acid, such as hydrochloric, or, better, oxalic, would often greatly improve the clearness of the prints, a marked cause of dirty blues being a gradual altering of the solutions even when kept separate till just before using, though poor quality of the ammonia-citrate of iron seemed to have much to do with the results.

Replying to an enquiry as to what is the load upon a fireproof floor with four-inch brick arches, levelled up with concrete between the beams, the *Chicago Journal of Commerce* says: "Where the floor is for offices, or storage of light goods, the load will run about 70 pounds per square foot for the weight of the arches, concrete, ceiling and flooring; and when loaded with a crowd of people, 80 pounds per square foot more—this being in addition to the weight of the beams themselves."

A writer in the *Clay Worker* says: "It is a well-established principle in all engineering, that, however strong a building or superstructure may be, a single piece or pin of inferior strength in proportion to its size, makes the entire structure correspondingly weak. How forcibly, then, are we reminded of this in the erection of brick structures, for no matter how good the material, or how well the brick—no matter how careful that everything be square and plumb, in the use of mortar, if not made and laid in accordance with an established rule to preclude the possibility of cracking, if a single course be laid in poor cement, a crack ensues. That entire wall must be weak in proportion, and as is often the case, a corresponding crack follows the companion wall; these walls will be nearly as easy to collapse, and much more easy to blow down, than if laid one brick upon another, joints well broken without a trowel full of mortar."

Prices of Building Materials.

LUMBER.

CAN OR CARGO LOGS.

1½ and thicker clear picks, Am. ins.	\$30	00	32	00
1½ and thicker, three uppers, Am ins.			37	00
1½ and thicker, pickings, Am ins.			27	00
1 x 10 and 12 dressing and better.	18	00	20	00
1 x 10 and 12 mill run.	13	00	14	00
1 x 10 and 12 dressing.	14	00	16	00
1 x 10 and 12 common.	12	00	13	00
1 x 10 and 12 spruce culls.	10	00	11	00
1 x 10 and 12 maple culls.			9	00
1 inch clear and picks.	28	00	30	00
1 inch dressing and better.	18	00	20	00
1 inch siding, mill run.	14	00	16	00
1 inch siding, common.	11	00	12	05
1 inch siding, ship culls.	\$10	00	\$12	00
1 inch siding, mill culls.	8	00	9	00
Cull sawing.			9	00
1½ and thicker cutting up plank.	22	00	25	00
1 inch strips, 4 in. to 8 in. mill run.	14	00	15	00
1 inch strips, common.	11	00	12	00
1½ inch flooring.	14	00	15	00
1½ inch flooring.	14	00	16	00
XXX shingles, sawn.	2	30	2	35
XX shingles, sawn.	1	30	1	35

Metallic Roofing Co. of Canada:

Eastlake steel shingles (galvanized),	Per Square.	\$2	25	to	\$3	75
Eastlake steel shingles (painted).		1	75	4	00	
Improved Broad Rib Roofing, (galvanized).		5	00	5	75	
Improved Broad Rib Roofing (painted)		3	50	4	00	
North Western steel siding (painted).		3	25	3	50	
Manitoba steel siding (painted).		3	25	3	50	
Metallic Finished Brck.		3	25	3	50	
Tower or Mansard shingles, (galvanized)		6	25			
Tower or Mansard shingles (painted).		4	50			
Metallic Terra Cotta Tiles.		7	00			
Price of Copper shingles according to weight, and "Hayes" Patent Metallic Lathing according to quantity.						

Canada Galvanizing & Steel Roofing Co.

Corrugated Iron, galvanized, 26 W.G., per lb.	5	cts.
Corrugated Iron, galvanized, 28 W.G.,	5	¼
Corrugated Iron, painted, 26 W.G., per square.	4	00
Corrugated Iron, painted, 28 W.G.,	3	50
Broad Rib Roofing, galvanized, per square.	5	50
Broad Rib Roofing, painted.	4	00
Westlake shingles, steel, galvanized, per square.	5	00
Westlake shingles, steel, painted	3	50
Standard shingles, "Walter's patent," galvanized, per square.	5	50
Standard shingles, "Walter's patent," painted.	4	00
Northwestern steel siding, painted, per square.	3	50
Metallic Finish Brck, per square.	3	25
Metallic Finish Clapboard, per square	3	50

YARD QUOTATIONS.

Mill cull boards and scantling.	10	00
Shipping cull boards, promiscuous widths.	13	00
Shipping cull boards, stocks.	1	00
Hemlock cantling and joist up to 16 ft.	11	00
" " " 18 "	12	00
" " " 20 "	13	00
Scantling and joist, up to 16 ft.	14	00
" " " 18 ft.	15	00
" " " 20 ft.	17	00
" " " 22 ft.	19	00
" " " 24 ft.	21	00
" " " 26 ft.	23	00
" " " 28 ft.	25	00
" " " 30 ft.	27	00
" " " 32 ft.	29	00
" " " 34 ft.	31	00
" " " 36 ft.	33	00
" " " 38 ft.	35	00
" " " 40 to 44 ft.	36	00
Cutting up planks, 1½ and thicker, dry board.	25	00
" " " " "	18	00
Cedar for block paving, per cord.	5	00
Cedar for Kerbing, 4 x 14, per M.	14	00

B. M.

1½ inch flooring, dressed, F. M.	28	00	31	00
1½ inch flooring rough, B. M.	18	00	22	00
1½ " " dressed, F. M.	25	00	28	00
1½ " " undressed, B. M.	18	00	19	00
" " " dressed.	18	00	22	00
" " " undressed.	12	00	15	00
Headed sheeting, dressed.	22	00	25	00
Clapboarding, dressed.			12	00
XXX sawn shingles, per M, 16 in	6	65	9	75
Sawn lath.	2	00	2	20
Red oak.	30	00	40	00
White.	25	00	45	00
Bastwood, No. 1 and 2.	18	00	25	00
Cherry, No. 1 and 2.	70	00	75	00
White ash, No. 1 and 2.	25	00	25	00
Black ash, No. 1 and 2.	20	00	20	00
Dressing stocks.	6	00		
Picks, American inspection.			40	00
Three uppers, American inspection.			50	00

BRICK—B. M.

Common Walling.	\$7	50
Good Facing.	9	00
Sewer.	8	50

Pressed Brick:

Plain brick, f. o. b. at Milton, per M.	\$18	00
" " " and quality, per M.	14	00
" " " 2nd	10	00
Hard Building.	9	00
Moulded and Ornamental, per 100.	\$3	10
Roof Tiles.	24	00
Diamond locking tile.	16	00
First quality, f. o. b. at Campbellville, per M and	18	00
2nd	14	00
3rd	11	00
Ornamental, per 100.	\$3	10
Tiles.	24	00

Stone.

Common Rubble, Per Toise, delivered	14	00
Large flat	18	00
Foundation Blocks, " Cubic Foot.	50	

Slate: Roofing (per square).

" red.	18	00
" purple.	9	00
" untading green.	9	00
" black slate.	7	75
Terra Cotta Tile, per sq.	24	00
Ornamental Black Slate Roofing.	8	25

Sand:

Per Load of 1½ Cubic Yards.	1	25
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PAINTS. (In oil, per lb.)

White lead, Can.	6	35	6	50
" zinc, Can.	6	35	7	50
Red lead, Eng.	5	65	6	65
" venetian.	1	60	1	75
" vermilion.	90	1	20	
" Indian, Eng.	10	12		
Yellow ochre.	5	10		
Yellow chrome.	15	20		
Green, chrome.	7	12		
" Paris.	25	40		
Black, lamp.	15	25		
Blue, ultramarine.	15	20		
Oil, linseed, raw (& Imp. gallon).	68	70		
" " boiled.	72	75		
" " refined.	78	85		
Putty.	2	25	2	25
Whiting, dry.	75	1	00	
Pa. white Eng., dry.	90	1	25	
Litharge, Am.	6	65	8	
Sienna, burnt.	15	20		
Umber.	8	25	12	

CEMENT, LIME, etc.

Lime, Per Barrel of 2 bushels, Grey.	40	
" " " White	55	
Plaster, Calcined, New Brunswick.	2	00
" " " Nova Scotia.	2	00
Hair, Plasterers', per bag.	1	00
Cement, Portland, per bbl.	3	00
" " Thorold.	1	50
" " Queenston.	1	50
" " Nananee.	1	50
" " Hill.	1	50

HARDWARE.

Cut Nails:

American Pattern, 1½ inch, per keg.	3	00
" " 1½ to 1¾ inch, per keg.	3	15
Canadian Pattern, 1½ inch, per keg.	3	40
" " 1½ to 1¾ inch, per keg.	2	00
" " 2 to 2½ inch, "	2	00
" " 2½ to 3 inch, "	2	65
" " 3 inch and larger.	2	40
Steel nails roc. per keg extra.		
Finishing nails, 1 inch, per keg.	5	40
" " 1½ inch, "	4	65
" " 1¾ inch, "	4	15
" " 1½ " and larger.	3	90