

IMPROVED METHOD OF DRIVING PILES.

The Owen Sound *Times* describes a new system of pile driving, invented by Capt. James Canan:—"The object of this machine is to bore a hole the depth required for a pile. The hole is bored by a small wheel propelled by water power with water pumped from the river, the hole a little smaller than the size of the pile. The weight of the hammer is all that is necessary to send the pile to its proper depth. The driver is now working on the back row of anchor piles 20 feet from the front of the dock to which long strengthening rods are fastened, giving additional strength to the main and sheet piling. It runs out and back automatically on a track constructed of steel rails. The *Times* reporter timed the putting down of a pile. From the time the driver started to run out the 20 feet, it bored the hole put the 30 foot pile down and ran back again, it was just two minutes. The piles are thus put down without pounding or destroying the timber in anyway. The hole can be bored to any depth for the pile with a great saving of time and timber. On this same work by the old process, it required 150 blows to put down a pile, and sometimes the piles would be broken by the hammering required to put them down. Major Henry A. Gray, the Government engineer in charge, was in town this week, and was very much pleased with the work, fully approving of the methods. Capt. Canan has applied for a patent on this machine in the United States and Canada.

TO PREVENT KITCHEN SMELLS.

Robert Grimshaw, in his Hints on House Building, offers these remarks on the always present annoyance of kitchen smells:

"The kitchen annoyance" is one from which even the most expensive and complete houses rarely escape. The smell of cooking, and even of washing, penetrates into the innermost recesses of the houses on which money has been lavished and no stint has been made. Yet if taken at the first, there need be little or no reason for any odor of cooking being noticed even in the kitchen, much less in other parts of the house. All these gases which we call smells are warmer than the air of the kitchen itself; and in consequence will, if they have a chance, rise in preference to spreading laterally. As a general thing they take a lateral course simply to get a chance to rise at the end of their journey of exploration. If then over the kitchen range there be an opening into a flue which will take off the current of warm and perhaps unpleasantly smelling air, there need be no trouble from the smell of cooking. There are few brick-set ranges over which there may not be an opening into a ventilation flue, if such flue be provided beside the regular smoke flue. If the range be not brick-set it will be necessary to have over it a hood of plain or tinned sheet iron, from the top of which there is run a pipe if run into the ventilation flue. This flue is necessary. It is nearly impracticable to tap the regular

smoke flue for this purpose, for the double reason that the comparatively cold air from the room will lessen the draft, and that the draft may happen to be the wrong way—namely, into the kitchen itself; in which case 'the last state of that man would be worse than the first.'

TO BUILDERS.

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Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.

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 00
1 inch siding, ship culls.	\$10 00	\$11 00
1 inch siding, mill culls.	8 00	9 00
Cull scantling.	5 00	6 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.	4 30	4 35
XX shingles, sawn.	1 30	1 35

Metallic Roofing Co. of Canada:

	Per Square.
Eastlake steel shingles (galvanized), 25 to 28 W. G.	\$5 75
Eastlake steel shingles (painted), 28 W. G.	3 75
Improved Broad Rib Roofing (galvanized), 28 W. G.	5 00
Improved Broad Rib Roofing (painted), 28 W. G.	3 50
North Western steel siding (painted), 28 W. G.	3 25
Manitoba steel siding (painted), 28 W. G.	3 25
Metallic Finished Brick, 28 W. G.	3 25
Tower or Mansard shingles, (galvanized), 28 W. G.	6 25
Tower or Mansard shingles (painted), 28 W. G.	4 50
Metallic Terra Cotta Tiles, 28 W. G.	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, 22, 24, and 26 W. G., per lb.	4½ cts.
Corrugated Iron, galvanized, 28 W. G., per square.	5 50
Corrugated Iron, painted, 26 W. G., per square.	4 00
Broad Rib Roofing, galvanized, per square.	5 50
Broad Rib Roofing, painted, per square.	4 00
Westlake shingles, steel, galvanized, per square.	5 00
Westlake shingles, steel, painted, per square.	3 50
Standard shingles, "Walter's patent," galvanized, per square.	5 50
Standard shingles, "Walter's patent," painted, per square.	4 00
Northwestern steel siding, patented, per square.	3 50
Metallic Finish Brick, per square.	3 25
Metallic Finish Clapboard, per square.	3 50

YARD QUOTATIONS

Mill cull boards and scantling.	13 00
Shipping cull boards, promiscuous widths.	13 00
Shipping cull boards, stocks.	12 00
Hemlock cantling and joint up to 16 ft.	11 00
" " " 18 "	12 00
" " " 20 "	11 00
Scantling and joint, 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.	37 00
Cutting up planks, 1½ and thicker, dry board.	25 00
Cedar for block paving, per cord.	18 00
Cedar for Kerbing, 4 x 14, per M.	3 00
	14 00

B. M.

1½ inch flooring, dressed, F. M.	28 00	11 00
1½ inch flooring rough, B. M.	18 00	22 00
1½ " " dressed, F. M.	25 00	23 00
1½ " " undressed, B. M.	18 00	19 00
" " " dressed	18 00	22 00
" " " undressed	12 00	15 00
Headed sheeting, dressed	22 00	35 00
Clapboarding, dressed		12 00
XXX sawn shingles, per M, 16 in.	2 65	2 75
Sawn lath.	2 00	2 30
Red oak.	30 00	40 00
White.	15 00	45 00
Basewood, No. 1 and 2.	18 00	20 00
Cherry, No. 1 and 2.	70 00	70 00
White ash, No. 1 and 2.	25 00	25 00
Black ash, No. 1 and 2.	20 00	20 00
Dressing stocks.	16 00	22 00
Picks, American inspection.	40 00	40 00
Three uppers, American inspection.		40 00

BRICK—B. M.

Common Walling	5 00
Good Facing	9 00
Sewer	8 50

Pressed Brick

Plain brick, f. o. b. at Milton, per M.	\$15 00
" " " 2nd quality, per M.	14 00
" " " 3rd " " " "	13 00
Hard Building	15 00
Moulded and Ornamental, per 100	\$1 to 1 10
Roof Tiles.	14 00
Diamond looking tile.	16 00
First quality, f. o. b. at Campbellville, per M	13 00
2nd " " " "	14 00
3rd " " " "	11 00
Ornamental, per 100	\$3 to 10 00
Tiles.	24 00

Stone.

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

Slate: Roofing (Per square)

" red.	18 00
" purple.	9 00
" untanned green.	9 50
" black slate.	7 75
Terra Cotta Tile, per sq.	25 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 25	6 50
" " zinc, Can.	6 25	7 50
Red lead, Eng.	5 25	6 25
" venetian.	1 60	1 75
" vermilion.	90	1 00
" 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 (per Imp. gallon).	65	68
" " boiled.	65	71
" " refined.	78	85
Putty.	2 25	2 50
Whiting, dry.	75	1 00
Paris white Eng. dry.	90	1 25
Litharge, Am.	6 25	8
Sienna, burnt.	15	20
Umber.	8 25	12

CEMENT, LIME, etc.

Lime, Per Barrel of 2 bushels, Grey.	40
" " " White	55
Plaster, Calced, 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
" " Nanawake.	1 50
" " Hull.	1 50

HARDWARE

Cut Nails:

American Pattern, 1½ inch, per keg.	3 90
" " " 1½ to 1¾ inch, per keg	3 10
Canadian Pattern, 1½ inch, per keg.	3 40
" " " 1½ to 1¾ inch, per keg	3 05
" " " 2 to 2½ inch, " "	90
" " " 2½ to 3 inch, " "	65
" " " 3 inch and larger.	2 40
Steel nails 10c. per keg extra.	
Finishing nails, 1 inch, per keg.	5 40
" " " 1½ inch, " "	4 65
" " " 2 inch, " "	4 15
" " " 2½ inch, " "	3 90
" " " and larger.	3 90