## HOW TO LAY SHINGLES.

It is not altogether within the province of The Timberman to enter into matters of building construction, only as the use of timber, lumber or shingles by builders and contractors is manipulated to the advantage or disadvantage of the forest products; but for years past a good deal of contention has been observed among builders in regard to the proper way to place shingles on the roof of a building. Some have held tenaciously to the view, that inasmuch as custom has made the laying of shingles tight together almost a rule of law, that any other practice in regard to the laying of shingles was entirely erroneous, but the only way to decide such an important question is as to the durability of the shingles whether placed tight together on the roof or with proper openings between the under shingles. In this connection the following argument, going to prove the desirability of placing the shingles at least an inch apart, is pre-

sented from the pen of one who has studied the question in all its various practicable phases:

"Why dam up the water in 700 or 800 to every i,000 shingles where it will necessarily soak under them. Every crack must be full when it rains. Sawed shingles lie so tight that the water does not dry out, and they last but a short time. They should be laid at least threefourths of an inch apart, so that the water can run freely down the roof. The joints need not be broken over more than one

inch, for the water will not soak under them at all. Some fifteen years ago 1 shingled a barn, laying my shingles in the usual way. The roof is now rotten and must be replaced. Thirteen years ago I shingled another building with precisely the same kind of shingles, but in this case I laid them half an inch apart. The roof of this building is to-day as sound as when first put on. Three years ago I roofed a building, laying the shingles three-fourths of an inch apart, but now regret that I did not lay them one inch apart. There are two caves-spouts pouring water from other roofs on the shingles of this building, which is an ell, but not the slightest leak has ever appeared, or the slightest dampness on the under sides of the shingles. The experiment has panned out a perfect success, proving that there is no need of placing directly shingles side by side; also that they will last double the ordinary length of time if not so placed, for direct contact holds moisture and leads to decay." The Timberman.

Boiled linseed oil makes an admirable varnish for new copper work. It does not make quite so smooth a surface as the best coach varnish, but it stands the wear just as well. Two coats should be used, applying the second after the first is thoroughly dry.

## Prices of Building Materials.

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M24 Notre Same Street

Montreal. October 14 - 1890

S. H. Mortiner seq.

Blas Sir.

I have to inform you, that, the following resolution was immonimented adopted, at the force around treating of the dominace of Quebec Correlations of Dechitects held in Mortreal on 10 to 1 to 1 institute of the Province of Suebec now ascembled in conversable of Euclidean A. P. Dimber.

Ver the Orchitects of the Province of Suebec now ascembled in conveniently of Suebec now ascembled in conveniently.

Lanadian Contract Record afford we advect communication with the contractors. Resolved: That we please our way of the total of the time.

<b>7.2</b> 2	. حپوست
XX shingles, sawn	1 30 1 35
gles, per square Light Eastlake galvanized steel shin-	5 75
gles, per square	I 25
per sq	4 00
Light Eastlake Painted steel shingles, per square.	3 75
Tower or Mansard galvanized steel	6 25
Tower or Mansard painted steel shin- gles, per sq.	4 50
Terra Cotta painted steel Tile, per sq. Lastlake painted steel siding, per sq.	7 00
'Manitoba galvanized, steel siding, per	3 50
square	4 75
Light Manitoba painted steel siding	3 50 3 25
Heavy sheet steel pressed brick	3 50
Light sheet steel pressed brick	3 25
Painted crimped steel, siding or ceiling Price of Copper shingles according to w	eight. 3 50
Corrugated Iron, galvanired, 25 W.G.,	
Corrugated Iron, galvanized, 28 W.G.,	5 c15. 514
Corrugated Iron, painted, 26 W. G., per square	
Corrugated Iron, painted, 28 W. G.,	- 4 00 3 50
Broad Rib Roofing, galvanized, per	3 30
Square	\$ 50
Broad Rib Roofing, painted	4.00
per square	\$ 00
Westlake shingles, steel, painted Standard shingles, "Walter's patent,"	3 50
Staddard shingles. "Walter's parent."	5 50
painted	4 00
Northwestern steel siding, patented, per square	3 50
Metallic Finish Hrick, per square	3 25
Metallic Finish Clapboard, per square	3 50

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Mill cull boards and scantling		10 00
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Scantling and joist, up to 16 ft	13 00	13 00 14 00 14 00
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Cutting up planks, 134 and thicker, dry board,	25 00 18 00	30 00 20 00 22 00
Cedar for block paving, per cord Cedar for Kerbing, 4 x 14, per M		5 00 14 00
17. M	<b>18 ∞</b>	
11% inch flooring rough, B. M	18 00 25 00 18 00	31 00 22 CO
dressed, D. M	18 ∞	19 00
	33 00 13 00	15 00 15 00
XXX sawn shingles, per M, 16 m Sawn lath	2 65 2 65	2 75
Red oakWhite	30 00 35 00 18 00	40 00 45 00
Cherry, No. 1 and 2	70 00	20 00 70 00
Black ash, No. 1 and 2	25 00 20 00 16 00	75 OC 30 OO 22 OO
Dressing stocks Picks, American inspection Three uppers, American inspection		40 00 50 CO
Common Walling		\$7 50
Good Facing	8 50	9 00
Pressed Brick; Plain brick, f. o. b. at Milton, per M.		518 co
Plain brick, f. o. b. at Milton, per M		14 00
Hard Building		
First quality, f.o.5, at Campbellville, per	M	18 00 13 00
Hard Building.		10 00
Tiles		10 00
Stone. Common Rubble, Per Toise, delivered		14 00
Foundation Blocks, " Cubic Foot.,		
Flater Desemble (2)		18 00
State: Roofing (3) square).		18 00
Slate: Roofing (V square).  " red purple unlading green		18 00 16 00 9 00 9 00
Slate: Roofing (V square).  " red purple unlading green		16 00 9 00
State: Roofing (V square).  " red		16 00 9 00 9 00 7 30 26 00 8 00
State: Roofing (V square).  red.  purple.  untading green.  black slate.  Terra Cotta Tile, per sij  Ornamental Black Slate Roofing.  Sand:  Per Load of 11/4 Cubic Yards		16 00 9 00 9 00 7 50 25 00 8 00
State: Roofing (V square).  red.  purple.  untading green.  black slate.  Terra Cotta Tile, per sqi Ornamental Black slate Roofing.  Sand:  Per Load of 1½ Cubic Yards.  PAINTS. (In oil, V lb.)  White lead, Can.		18 00 16 00 9 00 9 00 7 30 25 00 8 00
State: Roofing (V square).  red.  purple.  unlading green.  black slate.  Terra Cotta Tile, per sq.  Ornamental Black slate Roofing.  Sand:  Per Load of 1½ Cubic Yards.  PAINTS. (In oil, V lb.)  White lead, Can.  " zinc, Can.  Red lead, Eng.  " venetian.  venetian.	6 25 614 514 1 60	18 00 16 00 9 00 7 30 24 00 8 00 7 50 6 50 7 50 6 50 7 50 6 50 7 50 6 50 7 50 6 50 7 50 6 50
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State: Roofing (V square).  red.  purple.  unlading green.  black slate.  Terra Cotta Tile, per sqi Ornamental Black Slate Roofing.  Sand:  Per Load of 1½ Cubic Yards.  PAINTS. (In oil, V lb.)  White lead, Can.  inc. Can.  evenuilion.  vermillion.  loadian, Eng.  vellow ochre.  Yellow chrone.  Green, chrome.  Green, chrome.  Black, lamp.  Black, lamp.  Blue, ultramarine.  Oil lingerd, taw (A lamp college)	6 25 6 5% 1 60 90 10 15 7 25 15 25 26 87	18 00 9 00 9 00 7 30 25 00 8 00 1 5 6 50 7 6 50 1 75 1 75 1 75 1 75 1 75 1 75 1 75 1 75
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State: Roofing (V square).  red.  purple.  untading green.  black state.  Terra Cotta Tile, per si Ornamental Black State Roofing.  Sand:  Per Load of 1½ Cubic Yards.  PAINTS. (In oil, V lb.)  White lead, Can.  inic, Can.  Red lead, Eng.  vermillion.  Indian, Eng.  Vellow ochre.  Yellow chrome.  Green, chrome.  Black, lamp. Blue, ultramarine.  Oil, inseed, taw (A Imp. gallon).  boiled  refined, Putty.  Whiting, dry. Litharge, Am. Sienna, burnt. Umber,	6 6 5 6 9 0 5 5 7 2 5 5 6 8 7 8 2 2 4	18 00 16 00 9 00 9 00 17 50 28 00 17 50 17 5
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