

WHAT LACK OF SYSTEM AND THOROUGH KNOWLEDGE OF BUSINESS COSTS.

Recently while passing a building being erected, says H. B. Wetzell, in the *Woodworker*, I noticed that the lumber used for the outside sheathing was of several different kinds and grades, from cull to clear, hard and soft wood. I asked the contractor why he used such a mixture when it was customary to use a uniform grade of lumber for sheathing—generally a low grade—for a building of moderate cost, such as this. He replied that he had bought a considerable quantity of such lumber, at a low price from a country mill man, and hauled some of it directly from the cars to the new building without overhauling or regarding it.

Most of the building was already covered, but probably 1,000 feet of the sheathing lumber lay by the building ready to be put on. I overhauled some of this lumber to see how it would grade as to quality, thinking that I might get hold of some "soft snap," as this contractor had done, if I could pick it up at the same price. Of boards that I examined, they would have come within the grades of inspection worth the following prices:

One board containing 16 ft. at \$75.00 per M	\$.40
" " " 18 " 9. "	.16
" " " 17 " 12. "	.12
" " " 14 " 20. "	.28
" " " 12 " 9. "	.11
" " " 16 " 18. "	.29
" " " 8 " 9. "	.07
" " " 13 " 6. "	.11
" " " 12 " 16. "	.19
" " " 11 " 9. "	.11
130	1.84

This was about an average of the whole lot, and the 130 feet at the prices named, would have been worth \$14.20 per thousand and if it had been properly graded and marked. The lowest grade in this lot answered the purpose for which it was required, worth \$9 per thousand, and the contractor or mill man had lost \$5.20 per thousand. As 7,000 feet of lumber was used on this building, the contractor failed to save \$36 which he might have done by proper manipulation. As the mill man had sold the contractor 60,000 feet of this lumber, he must have been stupidly ignorant or careless, to allow \$300 profit to slip out of his hands which he might have saved, and the contractor was equally as stupid or ignorant when he failed to take advantage of such an unusual opportunity to make some money.

In the contractor's lumber yard and about the mill there was no order or system. Boards, plank and scantling were scattered around promiscuously, thrown across piles, or not piled properly, until they were warped all out of shape, so they could not be used for the purposes intended. In one of the passage ways a wagon had run over two clear white pine plank, the one measuring 48 feet of lumber and the other 56 feet, worth \$45 per thousand. They were so split, bruised and splintered, that they were almost worthless. There was a loss of nearly \$4 on these two planks through carelessness.

Between two narrow piles of lumber, someone had shoved out of the way, three

clear poplar boards 28 inches wide, 12 feet long. The rain and exposure to the sun had warped them until they were so dished that they could scarcely be used. Here was another loss of about \$2. A loss of \$6 in the two items alone! Others might be mentioned, but these will be sufficient to show that such leakage will in time use up that man.

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Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.

1 1/2 and thicker clear picks, Am. ins.	\$30 00	@32 00
1 1/2 and thicker, three uppers, Am. ins.	18 00	37 00
1 1/2 and thicker, pickings, Am. ins.	13 00	27 00
1 x 10 and 12 dressing and better.	18 00	30 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.	8 00	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.	8 00	9 00
1 1/2 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.	12 00	12 00
1 1/2 inch flooring.	14 00	15 00
1 1/2 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), \$2 25 to \$5 75	Per Square.
Eastlake steel shingles (painted).	3 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 Brick.	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, 22, 24, and 26 W. G., per lb.	4 1/2 ct.
Corrugated Iron, galvanized, 28 W. G., Corrugated Iron, painted, 26 W. G., per square.	3 1/2 4 00
Corrugated Iron, painted, 28 W. G., Broad Rib Roofing, galvanized, per square.	3 50 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, 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.	10 00
Shipping cull boards, promiscuous widths.	13 00
Shipping cull boards, stocks.	13 00
Hemlock cantling and joist up to 16 ft.	11 00 12 00
" " " 18 "	12 00 13 00
" " " 20 "	13 00 14 00
Scantling and joist, up to 16 ft.	14 00
" " " 18 ft.	15 00
" " " 20 ft.	16 00
" " " 22 ft.	17 00
" " " 24 ft.	19 00
" " " 26 ft.	21 00
" " " 28 ft.	23 00
" " " 30 ft.	25 00
" " " 32 ft.	27 00
" " " 34 ft.	29 00
" " " 36 ft.	31 00
" " " 38 ft.	33 00
" " " 40 to 44 ft.	36 00
Cutting up planks, 2 1/2 and thicker, dry board.	25 00 26 00
Cedar for block paving, per cord.	18 00 22 00
Cedar for Kerbing, 4 x 14, per M.	5 00 14 00

B. M.

1 1/2 inch flooring, dressed, F. M.	28 00	31 00
1 1/2 inch flooring rough, B. M.	18 00	22 00
1 1/2 " " dressed, F. M.	27 00	30 00
" " " undressed, B. M.	18 00	19 00
" " " dressed.	18 00	22 00
" " " undressed.	12 00	15 00
Beaded sheeting, dressed.	22 00	35 00
Clapboarding, dressed.	18 00	22 00
XXX sawn shingles, per M, 16 in.	2 65	2 75
Sawn lath.	2 00	2 20
Red oak.	30 00	40 00
White.	35 00	45 00
Basswood, 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.	18 00	30 00
Dressing stocks.	16 00	22 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 9 00

Pressed Brick:

Plain brick, f. o. b. at Milton, per M.	\$18 00
" " and quality, per M.	14 00
" " 3rd.	10 00
Hard Building.	8 00
Moulded and Ornamental, per 100.	\$3 to 10 00
Roof Tiles.	24 00
Diamond locking tile.	16 00
First quality, f.o.b. at Campbellville, per M	18 00
2nd " " "	14 00
3rd " " "	11 00
Ornamental, per 100.	\$3 to 10 00
Tiles.	24 00

DON VALLEY, F. O. B. TORONTO.

Plain brick, "A"	\$18 00
" " "B"	16 00
" " "C"	15 00
Trojan or Buff.	24 00
Ornamental, per 100.	\$3 00 60 00

Stones.

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
" unslating green.	9 50
" black slate.	7 75
Terra Cotta Tile, per sq.	25 00
Ornamental Black Slate Roofing.	8 25

Sand:

Per Load of 1 1/2 Cubic Yards.	1 25
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PAINTS. (In oil, per lb.)

White lead, Can.	6 1/2	6 1/2
" zinc, Can.	6 1/2	7 1/2
Red lead, Eng.	5 1/2	6 1/2
" venetian.	1 60	1 05
" vermilion.	90	1 70
" 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.	68	71
" " refined.	78	85
Putty.	2 1/2	2 1/2
Whiting, dry.	75	1 00
Paris white Eng., dry.	90	1 25
Litharge, Am.	6 1/2	8
Sienna, burnt.	15	20
Umber, "	8 1/2	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.	0 80
Cement, Portland, per bbl.	2 60 3 00
" Thorold,	1 50
" Queenston, "	1 50
" Napanee, "	1 50
" Hull,	1 50

HARDWARE.

Cut Nails:

American Pattern, 1 1/2 inch, per keg.	3 90
" " 1 1/2 to 1 3/4 inch, per keg	3 70
Canadian Pattern, 1 1/2 inch, per keg.	3 40
" " 1 1/2 to 1 3/4 inch, per keg	2 95
" " 2 to 2 1/2 inch, "	90
" " 2 1/2 to 3 1/2 inch, "	65
" " 3 inch and larger.	2 40
Steel nails 10c. per keg extra.	
Finishing nails, 1 inch, per keg.	5 40
" " 1 1/2 inch, "	4 65
" " 1 3/4 " "	4 15
" " 1 1/2 " "	3 90
" " and larger.	3 90