

USEFUL HINTS.

Do not finish windows to the floor—the circulation across the floor is one of the causes of cold houses.

Bituminous rock is used for many street pavements in California. It is found in some parts of the State, and closely resembles asphalt.

Lanlords in England, the courts have held, are liable for damages in case of disease of tenants from defective drains, &c., on condition that the landlord had warranted the premises to be in good sanitary condition.

The "staff," for decorating the World's Fair buildings at Chicago, is a mixture of plaster paris, alumina, dextarine and glycerine. It is of French origin, and was first used at the Paris Exposition of 1878. The various constituents are mixed like ordinary plaster, with cold water and allowed to harden in molds. The composition is quite water-proof, and to correct any tendency to brittleness the castings are backed by some textile material such as coarse canvas. The color of the material is dirty white, but it can of course be tinted to any hue that may be required.—*Ex.*

Geometricians have proved that the circumference of every circle is nearly 3.1416 times its diameter; hence, when a diameter is given it is quite easy to find the circumference to the ten-thousandth part of an inch, or even a much finer fraction than that. Suppose it is required to find the circumference of a wheel cylinder, tank, round table, cotton bobbin,—in short, anything that is circular. Diameter \times 3.1416 = circumference. This rule gives the result near enough for all practical purposes. Simple as this calculation is, there is no other one that is required oftener by all mechanics; it is, therefore, as useful as it is simple.

At a recent meeting of the French Societe Technique du Gaz an ingenious contrivance for the distribution of hot water by an apparatus was shown by M. Garnier. Cold water arrives by a ball and constant level arrangement at the top of the house; it is heated by certain gas burners, and descends to the main pipe, which supplies baths, washhand basins, &c. But when the flow downward ceases, the gas supply becomes choked off by a water plug, and no gas is being burned except at a bye-pass jet. When water is being drawn off the plug of water which choked off the gas supply is drawn away down with it, and now freely flows to supply the 15 bunsen burners which are used to heat the water newly come in to take the place of that which has just been drawn off.

Plumbers are often asked, when making repairs, whether they can not rejuvenate faucets and other plumbing appliances which have had the silver plate worn off. Here's a recipe which it is stated will enable them to gratify their customers, and also to make a penny extra very often: To a strong solution of silver nitrate add a solution of potassium cyanide, sufficient to redissolve the precipitate at first thrown down. To this add sufficient Spanish

whiting or precipitated chalk to form a thin paste. This composition in a warm state applied to perfectly clean brass, German silver or copper, will leave a thin but very substantial film of silver. Copper treated in this way will give a much better effect if zinc filings are sprinkled over the article, and when the silver is obtained these may be washed off.

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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.	27 00	37 00
1 1/2 and thicker, pickings, Am ins.	27 00	37 00
1 x 12 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	9 00
1 inch clear and picks.	23 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 07
1 inch siding, ship culls.	\$10 00	\$12 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.	11 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:

	Per Square.
Eastlake steel shingles (galvanized),	\$2 25 to \$5 75
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 cts.
Corrugated Iron, galvanized, 28 W. G.,	5 1/2
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, patented, per square.	3 00
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.	13 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.	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.	30 00
" " " 36 ft.	31 00
" " " 38 ft.	33 00
" " " 40 to 44 ft.	36 00
Cutting up planks, 1 1/2 and thicker, dry board.	25 00 26 00
" " " " " " " " " " " "	18 00 22 00
Cedar for block paving, per cord.	5 00
Cedar for Kerbing, 4 x 14, per M.	14 00

B. M.

1 1/2 inch flooring, dressed, F. M.	25 00	31 00
1 1/2 inch flooring rough, B. M.	18 00	22 00
1 1/2 " " " " " " " " " " " "	27 00	30 00
1 1/2 " " " " " " " " " " " "	18 00	19 00
" " " " " " " " " " " "	18 00	22 00
" " " " " " " " " " " "	12 00	15 00
Headed 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.	3 00	3 25
Red oak.	30 00	40 00
White.	25 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	35 00
Black ash, No. 1 and 2.	18 00	30 00
Dressing stocks.	16 00	22 00
Picks, American inspection.	40 00	40 00
Three uppers, American inspection.	50 00	50 00

BRICK—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
" " " " " " " " " " " "	14 00
" " " " " " " " " " " "	10 00
Hard Building.	8 00
Moulded and Ornamental, per 100.	\$3 10 10 00
Roof Tiles.	74 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 10 10 00
Tiles.	24 00

DON VALLEY, P. O. B. TORONTO.

Plain brick, "A"	\$18 00
" " " " " " " " " " " "	16 00
" " " " " " " " " " " "	13 00
Trojan or Bufl.	24 00
Ornamental, per 100.	\$3 00 60 00

Stone.

Common Rubble, Per Touse, delivered	14 00
Large flat " " " " " "	18 00
Foundation Blocks, " Cubic Foot..	30

Slate: Roofing (per square).

" red.	18 00
" purple.	9 00
" untanning 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, 1/2 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 20
" Indian, Eng.	10	12
Yellow ochre.	5	20
Yellow chrome.	15	20
Green, chrome.	7	12
" Paris.	25	40
Black, lamp.	15	25
Blue, ultramarine.	25	20
Oil, linseed, raw (per Imp. gallon).	65	68
" " " " " " " " " " " "	63	71
" " " " " " " " " " " "	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
" " " " " " " " " " " "	55
Plaster, Calcined, New Brunswick.	2 00
" " " " " " " " " " " "	3 00
Hair, Plasterers', per bag.	0 80
Cement, Portland, per bbl.	2 60 3 00
" Thorold.	1 50
" Queenston, "	1 50
" Nananee, "	1 50
" Hull, "	1 50

HARDWARE.

Cut Nails:

American Pattern, 1 1/2 inch, per keg.	3 90
" " " " " " " " " " " "	3 10
Canadian Pattern, 1 1/2 inch, per keg.	3 40
" " " " " " " " " " " "	2 95
" " " " " " " " " " " "	60
" " " " " " " " " " " "	2 40
Steel nails 10c. per keg extra.	
Finishing nails, 1 inch, per keg.	5 40
" " " " " " " " " " " "	4 65
" " " " " " " " " " " "	4 15
" " " " " " " " " " " "	3 90
" " " " " " " " " " " "	3 90