

USEFUL HINTS.

Diamond ink, for etching on glass, is made by mixing with hydrofluoric acid enough barium sulphate to give it consistency, so that it will not spread, and show well on the glass. After the writing has stood some time it is washed or dusted off, and the etching appears.

A good varnish for wooden patterns :- Thirty pounds of shellac, ten of manilla copal and ten of Zanzibar copal, are put in a steam-jacketed kettle and heated together for four to six hours: then there are added 150 parts finest potato spirit, and the whole is heated 4 hours to 87 degrees, C equals 189° F. It may be dyed orange color.

To make an impermeable glue, soak ordinary glue in water until it softens, and remove it before it has lost its primitive form. After this dissolve it in linseed oil over a slow fire until it is brought to the consistence of a jelly. This glue may be used for joining any kind of materials. In addition to strength and hardness, it has the advantage of resisting the action of water.—Revue Industrielle.

A remarkable imitation of black walnut may be manufactured from poor pine, the quality and appearance of the article being such as to defy detection, except upon very close examination. To accomplish this, one part of walnut peel extract is mixed with six parts of water, and with this solution the wood is coated. When the material is half dry, a solution of bichromate of potash, with water, is rubbed on it and the made walnut is ready for use.—Painters' Magazine.

The Monier system of arch construction was recently tested in Budapest, with very satisfactory results. Two arches of similar dimensions, 8.69 feet long, 0.87 feet rise and 2 inches thickness at crown, one of the best quality of concrete and the other on the Monier system, were loaded until rupture took place. The concrete arch broke completely under a load of 371 pounds per square foot, while the other began to sink, without breaking, however, only when loaded up to 1,917 pounds per square foot.—Architecture and Building.

A few general principles lie at the foundation of all house decoration. Take, for example, the reasons for different colors; dark colors suggest strength, and doors should be darker than the walls; dark rooms should have light tints, and small rooms small patterns on the walls. Color may have an enlivening or depressing effect; blue, for example, is a cold, quieting color; red is warm and stimulating. Blue, again, produces the effect of distance, and will make a ceiling higher, or a recess deeper, while yellow, appearing to advance

towards the eye, will seem to lower the ceiling, or exaggerate a moulding, and red is the only color that remains stationary. Although these principles may be true, authorities differ. No less a person than William Morris refuses to hear of aught but patterns of the largest size for small rooms. The late William Burges recommended pure vermilion for walls, as the coolest color, if only used in sufficiently large masses.

Prices of Building Materials.

LUMBER.

Table listing lumber prices for various types like '1 1/2 inch clear picks', '1 1/2 inch thicker, three uppers', etc., with prices in dollars and cents.

YARD QUOTATIONS.

Table listing yard quotations for materials like 'Mill cull boards and scantling', 'Shipping cull boards, promiscuous widths', etc., with prices.

B. M.

Table listing prices for building materials under 'B. M.' category, including '1 1/2 inch flooring, dressed', 'Clapboarding, dressed', etc.

BRICK—M

Table listing prices for bricks: 'Common Walling', 'Good Facing', 'Sewer'.

Pressed Brick:

Table listing prices for pressed bricks: 'Plain brick, f. o. b. at Milton', 'Hard Building', 'Moulded and Ornamental', etc.

Stone.

Table listing prices for stone: 'Common Rubble, Per Toise', 'Large flat Foundation Blocks', 'Slate: Roofing', etc.

Sand:

Table listing price for sand: 'Per Load of 1 1/2 Cubic Yards'.

PAINTS. (In oil, @ lb.)

Table listing prices for various paints: 'White lead, Can.', 'Red lead, Eng.', 'Yellow ochre', etc.

CEMENT, LIME, etc.

Table listing prices for cement and lime: 'Lime, Per Barrel of 2 bushels', 'Plaster, Calcined', etc.

HARDWARE.

Table listing prices for hardware: 'Cut Nails: American Pattern', 'Canadian Pattern', 'Steel nails', etc.

N.Y. & Co. Notre Dame Street, Montreal. October 14th 1890

C. H. Mortimer Esq.

Pub. Canadian Architect & Builder and Contract Record.

Dear Sir,

I have to inform you, that, the following resolution was unanimously adopted, at the First Annual Meeting of the Province of Quebec Association of Architects held in Montreal on 10th & 11th inst.:-

Moved by: M. Ferauld. Seconded by: A. P. Dumlop.

We the Architects of the Province of Quebec now assembled in convention being satisfied that the Canadian Contract Record affords us a direct communication with the contractors. Resolved that we pledge our support to it by using its columns when calling for tenders. Yours truly, C. Bliff, Secretary.

Small table listing prices for 1 1/2 inch flooring, XXX shingles, XX shingles.

Metallic Roofing Co. of Canada:

Table listing prices for metallic roofing: 'Eastlake steel shingles (galvanized)', 'Improved Broad Rib Roofing', etc.

Canada Galvanizing & Steel Roofing Co.:

Table listing prices for galvanizing and steel roofing: 'Corrugated Iron, galvanized, 26 W.G.', 'Corrugated Iron, painted, 26 W.G.', etc.