USEFUL HINTS.

Diamond ink, for etching on glass, is made by mixing with hydroflouric 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 Indus-

trielle.

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 vermillion for walls, as the coolest color, if only used in sufficiently large masses.

Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.

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N/24 Notre Gorne Street, Montreal. October 14 ² 1890

6. H. Mortimer Esq. Albanadian architect & Builder.

adopted, at the held in montreal on 10 " " " The the architecto of the Fr moved by M. Ferrault. vention being satisfied that Seconded by: a.7. Dumlop. Canadian Contract Record afford

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inch flooring	14 00 16 00
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Metallic Roofing Co. of Canada:

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Eastlake steel shingles (galvanized),	\$5	25 1	io \$5	75
Eastlake steel shingles (painted)	3	75	4	00
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North Western steel siding (painted)		32		50
Manitoba steel siding (painted).		25		50
Metallic Finished Brick	3	32	3	50
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Tower or Mansard shingles (painted)				50
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Price of Copper shingles according to	٠,	weig		
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Canada Caluanising & Steel Peo	6.	~ (٠.	

Canada Galvanizing & Steel Roofing Co.:

Corrugated Iron, galvanized, 26 W.G.,	
per lb	5 cts.
Corrugated Iron, galvanized, 28 W.G.,	5%
Corrugated Iron, painted, 26 W. G.,	
per square Corrugated Iron, painted, 28 W. G.,	4 00
Corrugated Iron, painted, 28 W. G.,	3 50
Broad Rib Reofing, galvanized, per	
square	5 50
Broad Rib Roofing, painted	4 00
Westlake shingles, steel, galvanized,	
per square	3 00
Westlake shingles, steel, painted	3 50
Standard shingles, "Walter's patent,"	3 3-
galvanized, per square	5 50
Staddard shingles, "Walter's patent,"	• •
painted	4 00
Northwestern steel siding, patented,	•
per square	3 50
Metallic Finish Brick, per square	
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Metallic Finish Clapboard, per square	3 50

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