

A PORTABLE STONE-BREAKING PLANT.

A travelling stone-breaker is one of the latest novelties introduced into railway work in America. It has been built by the Austin Manufacturing Company for a well-known contractor at Denver, and is used temporarily by the Colorado Fuel and Iron Company at Bessemer, Colo., but is ultimately to be sent into regular railroad work. An illustration is given in the "Railroad Gazette" which describes the plant as consisting of a No. 5 Austin gyratory crusher with horizontal engine, all mounted on a standard flat car and so arranged that the elevator which takes the discharge from the crusher may be hinged from the side of the car carrying the broken stone to the screen and storage bins established alongside the plant. These latter are best arranged so that the graded stone may be discharged directly into the ballast cars for distribution. Obviously, a tramway may first be advantageously built on the side of the cut, level with the top of the car, and so arranged as to run the stone from the quarry to the breaker by gravity. The hopper of the breaker is flush with the car roof. A pair of horizontal boilers large enough to provide steam for the breaker and rock drills is conveniently carried on a separate flat car. It is evident that an arrangement of this sort might be useful on many railroads where stone suitable for ballast is found distributed over a considerable length of line and where quarries are situated at points when there is no local market for broken stone. In cases of this kind a portable stone-breaking plant would be found convenient and economical.

SOME COMMON JOINERY TERMS.

A "dado" is the panelling above the skirting, and is generally finished with a chair rail or top moulding.

The "square" skirting is a plain board.

A "torus" skirting is the same, but with a head worked on the top edge.

A "moulded" skirting has a moulding nailed on the top.

A "double-faced and moulded" skirting consists of two boards, one smaller than the other, with mouldings nailed to same.

A "plain" chimney-piece consists of three flat pieces of stone, being the two sides and top, or mantel.

A "boxed" chimney-piece: The top and sides are formed of three pieces each, and thus make a box, fixed against the chimney breast and projecting into the room.

A "plate" is a long piece of wood, generally 4 in. by 3 in., on which the ends of joists, rafters, etc., rest.

A "lintel" is a piece of wood, stone, or iron, over a window or door, to take the weight of the brickwork off the frame.

A "pier" may be a kind of a buttress projecting from a wall, or may mean a part of the wall itself, between two openings.

A "reveal" is the return from the face of the wall to window or door frame.

A "soffit" is the underside of any work.

A "string" is a part of the framing of the stair-case.

A "barge board" is the board overhanging the front, on a level with and fol-

lowing the shape of the roof. This board is cut in various forms and otherwise ornamented.

A "finial" is the pointed apex of the above mentioned board, or the like worked in stone in a gable.

"Folding" shutters are hung together with butt hinges, and fold back to side of window in a boxing.

"Lifting" shutters go down into a casing below the window, and lift up by means of cords and weights, the same as the window sash.

A "dwarf" cupboard is about 3 feet high, with a deal top on same, forming a sideboard.

A "high" cupboard goes from floor to ceiling, but sometimes stopping short of the latter.

A "square" panel door is a plain door.

A "moulded" panel door is a door with

mouldings nailed round the inside of the panels.

There are several kinds of stair cases. The single flight goes straight from top to bottom.

The "straight" handrail goes from one newel to another.—Illustrated Carpenter and Builder.

The estate of Joseph Heroux, contractor, Yamachic, Que., is reported to be in financial difficulties.

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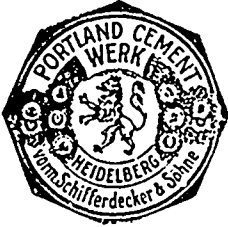
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