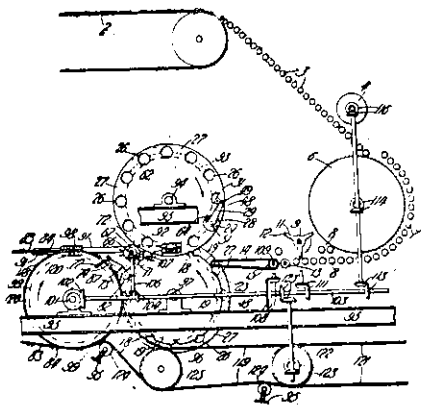


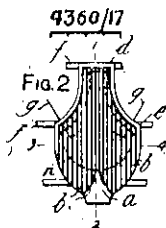
quired, and for braking the movement of such doors, thereby to prevent "slamming." It consists essentially in a curved tongue attached to the door-frame and a friction-grip device attached to the door and engaging the curved tongue. Alternatively, the tongue may be attached to the door, in which case the friction-grip device through which the tongue works is attached to the door-frame.

Roofing Tiles, etc., Moulding Machine.—A patent, No. 39665, has been taken out by O. J. Oakley, of Brunswick, and E. C. Hughes, of North Fitzroy, Victoria. This invention relates to those machines which compress clay or other plastic or pliable material to form roofing-tiles or other articles. The object of the invention is to provide a machine which will compress the material between two oscillatory moulds, and, in the case of tilemaking, form a hole through a lug which projects from the lower face of the tile for wiring



it to a roof, and also cut off the excess clay which exudes from between the meeting surfaces of the two moulds. The machine also transfers the moulded article to a conveyer, which carries it away for drying, seasoning, or other purposes. The invention comprises a series of oscillatory moulds mounted on the circumference of upper and lower supporting-wheels, and adapted to be oscillated so that the faces of corresponding upper and lower moulds are disposed parallel to each other for a predetermined period, during which the compression of the article takes place.

Cement Tile.—A patent, No. 4360, has been taken out by A. Emsiedel, Victoria, for a tile for low pitched roofs or walls, which has flutings *b* on the upper face to distribute the rain-water evenly, and further flutings on the lower face to provide ventilation to the interior of the roof. The tile



is thickened at the lower end, thus providing additional weight to prevent the base being lifted by the wind, while wire fasteners and reinforcements may be embedded in the cement. Modified designs are adapted for ridge and abutting sections, and for starters at the eaves.

Piers, Concrete Jetties, etc., erected in Water.—A patent, No. 37373, has been taken out by C. F. Pulley, of Wairoa, Hawke's Bay, which comprises hollow caissons made of concrete, and having vertical keys and keyways upon their exteriors and interlocking with each other, the caissons being filled with concrete after the same have been placed in

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