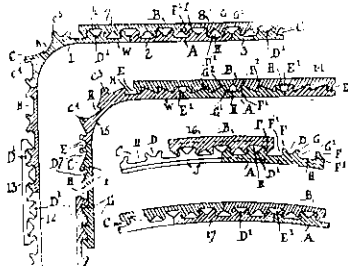


Patents of Interest to Builders

Structural Component.—A patent, No. 38,914, has been taken out by Walter Burley Griffin (Canberra's architect), and D. C. Jenkins, of Melbourne. The construction according to the invention is ordinarily hollow or has cavities, and is formed of two opposed (namely, outer and inner) courses of segments, which are vertebrated and continuously articulated, and have lapped edge joints. One face of each seg-



ment is provided with certain parallel recesses, which are alongside of and are partly enclosed by parallel ribs. There is an outer and an inner course of these segments, with their ribbed and recessed faces interlocking, and with edges of outer segments located opposite solid portions of inner segments, so that the integrated construction displays imbrication. The segments will be further bound together or be insulated in some cases by metal reinforcements, or grouting, or by putting between the segments any impregnated paper or fabric in use for insulating.

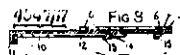
Inserts in Concrete (for nails, etc.).—A patent, No. 40,211, has been taken out by H. Hudson, of Malvern. The inserts have a shell of metal usually folded, having oppositely located cheeks, and in some cases a core, or building-element, such as a plug or flashing, enters or is within the shell. When the core within the shell is of wood access into it of moisture



is guarded against. The insert ends in some cases are closed to protect the core from access of wet mortar or concrete. The core or any exposed part of it may be coated with waterproof material. Shells have protective necks in some cases to key basic material and (or) hold cores in place.

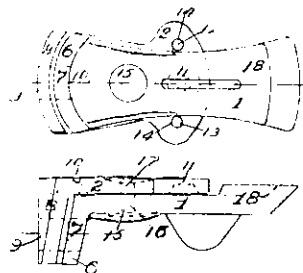
Papers and Wall-Papers Preservation.—A patent, No. 40,107, has been taken out by H. G. Lazarus and E. D. C. Badham, of Auckland, which consists in the addition to the paper-pulp during the course of manufacture of the paper of a small percentage of quassia essence or extract.

Roofing Tile.—A patent, No. 4547, has been taken out by G. N. Douglas, of N.S. Wales, which consists of a square or diamond-shaped slab of cement, or clay, in which parallel



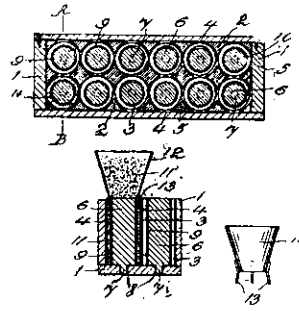
ridges 6 and 7 form a channel 8 on the upper face, while a ridge 10 on its under face has a projecting foot 11 at the apex. One or more projecting lugs 12, 15 are provided for attachment of wire fasteners.

Door and Gate Button Fastener.—A patent, No. 39,130, has been taken out by J. H. Jones and W. G. Killworth, of Launceston, Tasmania. The fastener is formed with the flange as 6 and the hole as 7, and has a projecting end as 18 which acts as an engagement surface for door or gate when



closed. The button is pivoted as at 16 and 17 to its screw-plate 2, formed with the flange as 8 and the hole as 9, and has two holes as 12 and 13. This construction enables pad-lock to be locked, and by covering the screws tends to prevent fastener being removed from gate.

Concrete-Pipe Manufacture.—A patent, No. 39,235, has been taken out by A. H. Wheeler, of Rotomah. The invention comprises a box 1 open at its upper end, and formed in its interior with partitions 2 so as to provide a plurality of cylindrical compartments 3 vertically disposed and each of the desired height and diameter of the pipes to be made. Each of the said compartments is provided with a loosely fitting liner 4 of sheet zinc or other thin metal, which is formed with an open or unseamed joint 5 so as to permit of its being sprung diametrically. Arranged axially within each



of the said compartments is a core consisting of a cylindrical body 6 of wood or other suitable material of the desired length of the pipe and of a diameter equal to the bore of such pipe, such core being provided at its lower end with a shank or shouldered portion 7, adapted to be received within a corresponding hole 8 formed in the bottom of the box 1 concentric with the compartment 3 in each case. The said core 6 is provided also with a sheet-metal liner 9, having an open joint 10 similar to the liner 4 so as to permit of its being sprung upon the core 6 and to allow of its being easily withdrawn from the pipe when moulded.

Engineering Tenders

Tenders are called for the construction of a wharf at Kutarere for the Opatiki County Council.

The Public Works Department, Wellington, called for tenders early this month for erection of the Tarawera Bridge at Matata.

Tenders are invited by Messrs. L. D. Nathan for two motor slips for Fiji.

The Waiapu County Council are calling for tenders for erection of a traffic bridge over the Waitaia stream 11 miles from Tuparoa.