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*Note.* Throughout this *Gazette* the names in *Italics* within parentheses are those of Communicators of Inventions.

### Complete Specifications.

Patent Office, Perth,  
28th August, 1903.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been accepted, and are now open to public inspection at this Office.

Any person or persons intending to oppose such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the date of this *Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 4124.—JAMES ROBERTSON, of Marraweka Station, Maheno, Otago, New Zealand, Ploughman, "Improved Ditch Plough."—Dated 18th November, 1902.

Claims:—

1. The general construction arrangement and combination of parts composing my improved ditch plough all substantially as and for the purposes set forth.
2. A ditch plough comprising knives and plough sole secured to a main lower beam to which drawing means are attachable substantially as and for the purposes set forth.
3. In a ditch plough an elevator extending from the knives and plough sole rearwardly and upwardly and adapted to remove the material dug out by the knives and plough sole substantially as described.
4. A ditch plough comprising knives and a plough sole secured to a main lower beam to which drawing means are attachable and an upper frame, resting on four wheels and carrying raising and lowering mechanism for the main beam and supporting same substantially as and for the purposes set forth.
5. A ditch plough comprising knives and a plough sole secured to a main lower beam to which drawing means are attachable, an upper frame resting on four wheels and carrying raising and lowering mechanism for the main beam and supporting same, and an elevator extending from the knives and plough sole rearwardly and upwardly and adapted to remove the material dug out by the knives and plough sole substantially as and for the purposes set forth.

Specification, 4s. Drawings on application.

Application No. 4163.—FREDERICK SAUL ORNSTEIN, of Malcaulay Road, Kensington, in the State of Victoria, Australia, Manufacturer of Rubber Goods, "Improvements in apparatus to be used in the manufacture of Wheel Tyre Covers."—Dated 3rd December, 1902.

Claims:—

1. Apparatus to be used in the manufacture of wheel tyre covers—comprising in combination, annular box, a series of presser plates around the inside of said box with adjacent bevel edges, wedges for insertion between the said presser plates cone or tapered block for actuating the presser plates and the wedges into and out of the gaps between the presser plates and means for withdrawing the presser plates and wedges from the annular box to allow of insertion and withdrawal of tyre cover substantially as and for the purposes described.
2. Apparatus to be used in the manufacture of wheel tyre covers—comprising in combination annular box, a series of presser plates around the inside of said box with adjacent bevel edges, wedges for insertion between the said presser plates such wedges and presser plates being mounted upon shanks arranged to move in a frame and having bevel ends, a cone or tapered block mounted on screw shaft for insertion between said shank ends and means for actuating the cone or block back and forward on the shaft substantially as and for the purposes described.

3. Apparatus to be used in the manufacture of wheel tyre covers—comprising in combination annular box, a series of presser plates around the inside of said box, with adjacent bevel edges, wedges for insertion between the said presser plates, such wedges and presser plates being mounted upon shanks, a central screw shaft supported on bearings a back plate *m* carrying box *h* for the reception of the shanks the shanks having bevelled ends, a cone or tapered block mounted on screw rod for insertion between such shank ends a spring connection between the shanks and frame for returning the shanks against the action of the cone or tapered block, a recess in the plate *m* to receive the cone or block, means for moving the back plate back and forward on the screw rod and means for moving the cone or block back and forward in and out of engagement with the shanks, substantially as and for the purposes described.

4. Apparatus to be used in the manufacture of wheel tyre covers comprising in combination annular box *b* on base and having its interior face dished and with annular groove at each side of the dished portion, a series of presser plates *f* around the inside of said box and with adjacent bevel edges, wedges *g* for insertion between the said presser plates, such wedges being mounted upon shanks *g*<sup>1</sup>, a central screw shaft *a* supported on bearing *a*<sup>1</sup>, a back plate *m* mounted on the shaft *a*, screw *n* connected with the annular casing and with the plate *m* and bearing on *a*<sup>2</sup>, the shanks having bevelled ends, those of the presser plates being longer than those of the wedges, a cone or tapered block mounted on screw rod *a* for insertion between such shank ends, rods *g*<sup>2</sup> connected with shanks and springs *g*<sup>3</sup> on the rods engaging with the boxes *h*, a recess in the plate *m* to receive the cone or tapered block, a frame *l* on the cone or tapered block and a block *k* on the screw rod *a* engaging with the frame whereby the cone or tapered block is moved back and forward on the screw rod, a hand wheel *l* on the screw rod *a* to move back or forward the body *m* substantially as and for the purposes described.

Specification, 9s. Drawings on application.

Application No. 4251.—RICHARD COSSLETT, of Karangahape Road, Auckland, New Zealand, Cabinet-maker, "Improvements in Cocks or Taps, high or low pressure."—Dated 27th January, 1903.

Claims:—

1. In high and low pressure stop cock and the like, a recess formed in the base of a screw-ended spindle as shown in Figure 1 or otherwise as shown in Figure 2 for the reception of a lignum vitæ replaceable valve substantially as herein set forth and described and as illustrated in the attached drawings.
2. In high and low pressure stop cocks and the like, a recess formed in the body of the cock for the reception of a lignum vitæ replaceable seating for the valve substantially as herein set forth and described and as illustrated in the attached drawings.
3. In high and low pressure stop cocks and the like, the construction of lignum vitæ replaceable valve in combination with a lignum vitæ replaceable seating arranged and operated, substantially as herein set forth and described and as illustrated in the attached drawings.

Specification, 2s. Drawings on application.

Application No. 4464.—ADOLPH FREDERICK WILLIAM LORIE, of Princes Street, Dunedin, New Zealand, Gentleman, "Improvements in Sash Fasteners."—Dated 11th June, 1903.

Claims:—

1. The improvements in sash fasteners consisting of the combination and arrangement of parts illustrated in Figures 1, 1A, 3 and 3A of the drawings substantially as described.
2. In a sash fastener such as described and illustrated in Figures 1, 1A, 3 and 3A a handle to the screw perforated with a slanting hole and recessed on opposite sides a locking pin working in said hole provided with a head having projecting side pieces and adapted to lie in one of said recesses and a foot adapted to engage a reversible angle piece on the window and then withdrawn to lie in the other of said recesses substantially as described.
3. The improvements in sash fasteners consisting of the combination and arrangement of parts illustrated in Figures 5, 6, 7, and 8 of the drawings substantially as described.



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Applications for the Grant of Letters Patent