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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,
5th February, 1904.

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. 4337.—**JOHN BEDE MORONY**, of Mudgee, in the State of New South Wales, Storekeeper, "A device for preventing horses or other animals attached to Road Vehicles from Starting or Bolting."—Dated 25th March, 1903.

Claims:—

1. A device for the purpose herein stated characterised by a circular rack or toothed ring adapted to be secured to the nave of the wheel in a fixed position, and having in the face thereof an annular groove in which is fitted a band which is adapted to revolve therein on roller or ball bearings, said ring having pivotally attached thereto a pawl which engages the fixed rack and is provided with an eyelet to which the driving reins are attached when it is desired to utilise the device, substantially as described and as illustrated in the drawings.

2. The combination with a road vehicle of a device characterised by a circular rack or toothed ring adapted to be secured to the nave of the wheel in a fixed position, and having in the face thereof an annular groove in which is fitted a band which is adapted to revolve therein on roller or ball bearings, said ring having pivotally attached thereto a pawl which engages the fixed rack and is provided with an eyelet to which the driving reins are attached when it is desired to utilise the device, substantially as described and as illustrated in the drawings.

Specification, 3s. 6d. Drawings on application.

Application No. 4668.—**EDWARD WATERS, junior**, a member of the firm of Edward Waters & Son, Patent Agents, of Nos. 414-418, Collins Street, Melbourne, in the State of Victoria, Commonwealth of Australia (*Henry Erastus Rathbun and William Henry Lonergan*), "Improvements in Sash Balances."—Dated 29th October, 1903.

Claims:—

1. A sash-balance, comprising a casing formed of sheet metal and having a face plate and side plates having inwardly-turned ends furnished with over-lapping lips, and fittings for engaging said inwardly-turned ends.

2. A sash-balance, comprising a gear formed of two sheet metal sections having peripheral walls shaped as teeth, the toothed wall of one section fitting within the corresponding wall of the other section.

3. A sash-balance, comprising a shaft, a gear rotatably thereon and consisting of two sheet metal sections forming a gear case, each of said sections having a peripheral wall furnished with hollow teeth, the teeth of one section fitting within the teeth of the other section, and a spring located between said sections and connected with said shaft and with one of said sections.

4. A sash-balance, comprising a casing formed of sheet metal and having slotted sides, a gear frame formed of plates having outwardly-turned lips movable in said slots, a gear rotatably mounted in said gear frame, and a spring acting against said gear frame to move the same into an operative position.

5. A sash-balance, comprising a gear mounted for rotation in a vertical path, and a gear locking device having teeth adapted to engage said gear and mounted to swing across the path of said gear.

6. The combination with the case having the sides, 5, 6, and the face plate, 7, the sides having the slots, 13, 14, the gear frame formed of the plates, 38, the plates having the lips, 42, 43, movably engaged in said slots, and a gear rotatably mounted in said frame, of the bolt, 27, the nut, 28, engaged thereon, the gear locking device, 29, mounted on said bolt and having teeth, 32, adapted to engage with the teeth of the gear, the springs, 19, 20, secured to the sides, 5, 6, and means for swinging the gear locking device out of engagement with the gear, as and for the purpose described.

Specification, 10s. Drawings on application.

Application No. 4672.—**GEORGE SMITH DUNCAN**, of No. 1 Temple Court, Chancery Lane, Melbourne, in the State of Victoria, Australia, Civil Engineer, "Improved Slime-filtering Apparatus."—Dated 30th October, 1903.

Claims:—

1. Improved slime-filtering apparatus comprising a large number of hollow flat vertical filters parallel to each other and worked under vacuum suspended within a vat containing the material to be treated, each of said filters consisting of a skeleton framing covered with filter cloth and arranged comparatively close together with scrapers between substantially as and for the purposes specified.

2. In a slime-filtering apparatus a number of filters arranged in separate groups in the vat, each group being suspended from an overhead arm and adapted to be raised or lowered, and provided with an independent draw-off pipe having a suitable cut-off cock substantially as set forth and particularly illustrated in Figures 1 and 2 of the drawings.

3. In slime-filtering apparatus, a series of hollow flat vertical filters consisting of skeleton framings divided into a number of practically independent vertical passages communicating with common top and bottom channels, the former fitted with pipes for drawing off the gold and silver bearing solution, and the latter with pipes for discharging the remaining solution therein, substantially as set forth and illustrated.

4. In slime-filtering apparatus, a number of filters each of which is composed of a skeleton framing having a top and bottom curved sheet iron cover into which vertical strips of hoop iron at suitable distances apart are sprung and held in position by the edges of said covers engaging holes in the edges of said strips of iron, horizontal wires being passed through holes, suitably spaced, in the edges of the vertical strips, whilst the end strips are secured to the covers and filter cloths are wrapped completely around the framing and secured on the top cover and ends by spring clips substantially as set forth and illustrated in Figures 3, 4, and 5 of the drawings.

5. In slime-filtering apparatus and in combination a series of scrapers, arranged between the filters, and consisting of two horizontal metallic strips, and having a rubber or like packing secured between, the width of said packing being less than the space between the filters, rods connecting said scrapers with their frames and means for reciprocating the scrapers vertically substantially as set forth and as illustrated in Figures 2, 5, and 7 of the drawings.

6. In slime-filtering apparatus the mechanism for vertically reciprocating and laterally moving a series of scrapers between the filters substantially as set forth and illustrated in Figure 7.

Specification, 8s. Drawings on application.

Application No. 4751.—**MASSEY-HARRIS COMPANY, LTD.**, of 915 King Street West, Toronto, County of York, Province of Ontario, and of 570-576 Bourke Street, Melbourne, in the State of Victoria and Commonwealth of Australia, Manufacturers (assignee of John Charles Davies), "Improvements in Grain-stripping and combined Harvesting Machines."—Dated 29th December, 1903.

Claims:—

1. In grain stripping and combined harvesting machines an improved comb plate having projecting prongs or pieces extending forwards from the bottom of the comb plate and to which the comb teeth may be independently fastened substantially as herein described.



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Trade Marks