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Notes.—Throughout this Gazette the names in Italics within parentheses are those of Communicators of Inventions.

Complete Specifications.

Patent Office, Perth,
13th May, 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. 4553.—JAMES CLAUDE HENDERSON, of No. 46 A'Beckett Street, Melbourne, in the State of Victoria, and Commonwealth of Australia, Engineer; WALTER JAMES ANDERSON, of No. 59 William Street, Melbourne, aforesaid, Accountant; and ERNEST SYDNEY BURMAN, also of No. 59 William Street, Melbourne, aforesaid, Engineer, "*An improved method of and apparatus for operating the Presser Plates of Cheese and other Presses.*"—Dated 13th August, 1903.

Claims:—

1. Operating the pressure plates of cheese and other presses by means of water stored in an elevated stationary cistern and allowed to pass at a predetermined speed into a movable cistern suspended at a lower elevation from an overhead pulley by a rope connected to the centre of a bridle to each end of which a rope is attached which latter ropes after passing round pulleys on the ends of the pressure plates are attached to the tubes of the press whereby said cistern in its descent draws both pressure plates together substantially as herein described and explained.

2. The combination with the pressure plate C C' of a cheese or other press of pulleys D D' on the ends of said plates and ropes E E' fastened to tubes A and passed round said pulleys for the purpose of drawing said presser plates together substantially as herein described and explained and as illustrated in the drawings.

3. The combination with the presser plates C C' of a cheese or other press of pulleys D D' on the ends of said plates cisterns K and L in communication the one with the other, rope H, bridle F, and ropes E E' connected to bridle F, said ropes passing round said pulleys D D' and being fastened to the tubes A of the press substantially as herein described and explained and as illustrated in the drawings.

4. The combination with the tank K connected to the presser plates C C' of the press of the tank L having the pipe M flexible tube N and wheel valve O to regulate the outflow of water from said tank L substantially as herein described and explained and as illustrated in the drawings.

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

Application No. 4696.—GEORGE MCINTOSH SCOTT, of Moray Place, Dunedin, New Zealand, Manufacturer, "*Combined Sash Hanger and Lock.*"—Dated 10th November, 1903.

Claims:—

1. Combined sash hanger and lock consisting of a spindle mounted in a bracket and carrying a clock spring and a pinion with a circular groove in its inside containing holes adapted to be mounted behind a pulley style of a window and opposite a rack on adjacent side rail so that pulling the upper sash down or raising the lower sash as the case may be will wind up the spring, and a spring pin adapted to pass through the inside window facing and engage in one of said holes so as to lock the sash, substantially as described.

2. A combined sash hanger and lock comprising a pulley style of a window frame, a spindle mounted therein, a pinion keyed to said spindle, a spring secured by one of its ends to said frame and by its other end to said spindle, a rack on an adjacent side rail of a window sash hung in said frame, locking means for said pinion and a roller secured in said window frame and adapted to bear against the side of said sash opposite said pinion substantially as described.

3. In a combined sash hanger and a lock such as described a clock spring and pinion adapted to be wound up by a rack on an adjacent side rail of a window sash and to be locked in any desired position with a spring pin engaging said pinion substantially as and for the purposes set forth.

Specification 5s. Drawings on application.

Application No. 4840.—JAMES DICKSON, of Apollo Bay, in the County of Polworth, State of Victoria, Commonwealth of Australia, Blacksmith, "*An improved Driving Gear for Cycles or other mechanism.*"—Dated 7th April, 1904.

Claims:—

1. In an improved driving gear for cycles or other mechanism a ring having on the periphery thereof external sprockets or teeth and on the interior of the same internal teeth, said teeth being double shrouded, all as and for the purposes hereinbefore described and as illustrated in the drawings.

2. In an improved driving gear for cycles or other mechanism a three legged frame within an internal toothed ring, said frame by studs supporting two pinions and an intermediate wheel, a third pinion being attached to the axle or hub to be driven, all as and for the purposes hereinbefore described and as illustrated in the drawings.

3. In an improved driving gear for cycles or other mechanism a three legged frame having a central stud to accommodate an intermediate wheel, two studs at the outer ends of arms on the said frame, said studs being capable of a radial adjustment and a hole in the third arm to accommodate a hub or axle, clips or straps for attaching said frame to the back stay of a cycle or other machine, all as and for the purposes hereinbefore described and as illustrated in the drawings.

4. An improved driving gear for cycles or other mechanism consisting of a ring having on its periphery external sprockets or teeth, on its interior, internal teeth said teeth being double shrouded in combination with three pinions, the teeth of which pass between the shrouds before referred to and engage with the teeth of the ring, an intermediate wheel between the said pinions, one of the pinions being secured to the hub or axle to be driven, a three legged frame having a central stud to accommodate the intermediate wheel and two studs at the outer ends of arms to accommodate pinions, a hole through the outer ends of one of the arms for the passage of the hub or axle all as and for the purposes hereinbefore described and as illustrated in the drawings.

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

Application No. 4841.—THOMAS HENRY MAPP, of 381 Riley Street, Surry Hills, Sydney, in the State of New South Wales, in the Commonwealth of Australia, Engineer, "*Improved means for treating Forage preparatory to compressing same.*"—Dated 7th April, 1904.

Claims:—

1. In means for treating forage preparatory to compressing same, a vertical chute flared toward its upper end, a shaft mounted axially within said chute, said shaft being provided with a series of distributors or arms set at an angle on its upper portion, and a worm or screw on its lower portion, said arms and screw being concave on their undersides and convex on their upper sides, and said chute being jacketted to maintain the material at the required temperature, substantially as described and illustrated.

2. In means for treating forage preparatory to compressing same a combined distributor and conveyor consisting of arms and a worm or screw mounted upon a common shaft, said arms and screw being concave on their under sides, and convex on their upper sides, substantially as described and illustrated.

3. In means for treating forage preparatory to compressing same, a combined distributor and conveyor of the character set forth, the distributor arms or blades of said device being arranged at an angle, and



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Trade Marks