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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,*
*26th June, 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. 3989.—GEORGE SEYMOUR, of Romsey, State of Victoria, Australia, Farmer, "*An improved subsoiling attachment for Double and Multi-furrow Ploughs.*"—Dated 12th August, 1902.

*Claim:*—

The herein described subsoiling attachment for double and multi-furrow ploughs comprising auxiliary tine carrying beams pivotally mounted at their ends upon the body of the plough and connected at their forward ends by links, bell cranks and coupling rods with a hand lever, substantially as and for the purposes specified and as illustrated in the accompanying drawings.

Specification, 3s. Drawings on application.

Application No. 3990.—JAMES MORROW, a member of the firm of Nicholson and Morrow, of Nos. 33 to 49 Bouverie Street, Carlton, in the State of Victoria, Commonwealth of Australia, Agricultural Implement and Machine Manufacturers, "*Improvements in Stripper Harvesters.*"—Dated 12th August, 1902.

*Claims:*—

1. In stripper harvesters a fan as A assembled and driven upon the machine to produce a current of air to act on and finally clean the grain just prior to its passing to the grain box substantially as described and shown.
2. In stripper harvesters the combination of a fan as A, whose spindle $A^1$ is driven by a belt as $B^1$, from such as the spindle B, of damp weather beater, the pipe or conduit as $A^2$, the grain shoot as C, and the riddle as $C^2$ which is fed from the grain elevator, substantially as described and shown.
3. In stripper harvesters, the combination and arrangement at back of riddle box as D, of a chaff elevator as E, preferably having a perforated well as $E^1$ and the bag platform as G, substantially as described and shown.
4. In stripper harvesters, the combination of a chaff elevator as E, arranged at back of riddle box, and having its lower spindle hinged in its bearings, the hinged or movable prop as $E^8$ to support the elevator in its erect position and the bag platform as G, which is so assembled that it always retains the same relative position with respect to the riddles, substantially as described and shown.
5. In harvesting machines the combination therewith of a chaff box as N arranged at tail of machine, provided with a pivoted bottom as $N^1$ which is capable of being operated by a lever arranged near driver's seat, substantially as described and shown.
6. In stripper harvesters, the combination of the parts marked I to $I^7$, with the platform J and stay K, which together form the mechanism for raising and lowering the body of machine substantially as described and shown.
7. In stripper harvesters the combination of the shaking riddle $C^2$ with the grain box or bin and the grain elevator or shoot C as for the purpose described and substantially as shown.
8. In stripper harvesters the combination of the stepped pulleys as M beater spindle L and damp weather spindle B with the belt for communicating motion between said pulleys substantially as and for the purpose described and shown.
9. In stripper harvesters the several improvements herein specified consisting of a fan as A located on the machine for finally cleaning the grain just prior to its passing to grain box, a chaff box or the chaff bagging elevator as E arranged above a platform as G at back of machine, the mechanism marked I to $I^7$ for raising and lowering the front end of machine body, and the stepped pulleys as M for altering the speed of the damp weather drum substantially as herein described and as shown in the drawings.

Specification, 10s. 6d. Drawings on application.

Application No. 4008.—GEORGE PORTER PIERCE, of 28 Adderley Street, West Melbourne, in the State of Victoria, Carpenter, "*Improvements in Calculating Apparatus.*"—Dated 26th August, 1902.

*Claims:*—

1. In calculating apparatus, the combination of a casing, a dial having a graduated scale provided thereon, a dial wheel provided with similar graduations upon its periphery, and adapted to register with the graduations upon said dial, and a pointer movable independently of said dial and dial wheel.
2. In calculating apparatus, the combination of a casing, a dial having a graduated scale provided thereon, a dial wheel provided with similar graduations upon its periphery and adapted to register with the graduations upon said dial, a pointer movable independently of said dial and dial wheel, and means for locking said pointer and dial wheel together.
3. In calculating apparatus, the combination of a casing, a dial having a graduated scale provided thereon, a dial wheel provided with similar graduations upon its periphery and adapted to register with the graduations upon said dial, a pointer movable independently of said dial and dial wheel, and stops removably placed upon said dial for limiting the motion of said pointer.
4. In calculating apparatus, the combination of a casing, a dial having a graduated scale provided thereon, a dial wheel provided with similar graduations upon its periphery and adapted to register with the graduations upon said dial, stops adjustably set in said dial for limiting the motion of said pointer, and means for locking said pointer and dial wheel together.
5. In calculating apparatus, the combination with a suitable casing, of a dial plate having a scale of units disposed circumferentially thereon, a revoluble member having a circumferentially disposed scale of units operating in proximity to said dial plate, a pivoted pointer, means for locking said pointer and revoluble member together, and a second dial plate and pointer co-operating with said revoluble member for the purpose set forth.
6. Calculating apparatus comprising a casing, an apertured dial enclosed within said casing and provided with a graduated scale around the circumference of said aperture, a dial mounted to rotate within said aperture and provided with graduations corresponding with the apertures of said dial, a pointer, means carried by said dial wheel for locking said pointer and dial wheel together, and a second dial and hand operated by said dial wheel.
7. Calculating apparatus comprising a casing, an apertured dial enclosed within said casing and provided with a graduated scale around the circumference of said aperture, a dial mounted to rotate within said aperture and provided with graduations corresponding with the apertures of said dial, a pointer, means carried by said dial wheel for locking said pointer and dial wheel together, stops adapted to be adjusted around said dial for limiting the motion of said pointer, and a second dial and hand operated by said dial wheel.

Specification, 13s. 6d. Drawings on application.

Application No. 4011.—MONROE LEE ROSS, of 21 Rue Galilee, in the Republic of France, Engineer, "*Improvements in and relating to Burners.*"—Dated 27th August, 1902.

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