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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,*
*24th July, 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. 4084.—ROBERT MCMICHEN, of Freeman Street, Adelaide, in the State of South Australia, Commonwealth of Australia, Tarpaulin and Tent Maker, "*An improved Tap.*"—Dated 14th October, 1902.

*Claim:*—

An improved tap for canvas and other water bags, consisting essentially of a metal or other cylinder (such as A) having a discharge spout (such as A1) provided with a perforated valve seat on its inner end (such as A3) and a valve disc (such as C3) engaging the same and operated by a push (such as C1) and having a spring (such as D) the tension of which maintains the said valve disc C3 in close contact with the valve seat A3, substantially as described.

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

Application No. 4086.—CHARLES WILLIAM HAINES, of Remuera, Province of Auckland, New Zealand, Engineer, "*Improved means for Extinguishing the Sparks given off from Locomotive and other Boilers.*"—Dated 14th October, 1902.

*Claims:*—

1. In means for extinguishing the sparks given off from locomotive and other boilers, a number of plates or louvres secured within a frame or frames at an angle to the vertical so as to form inclined passages between them, such frame or frames being adapted to fit and be supported within the smoke stack or funnel, as herein specified.
2. In means for extinguishing the sparks given off from locomotive and other boilers, radial arms secured centrally within the smoke stack or funnel in combination with plates or louvres secured between the arms and arranged so as to form inclined passages between them as herein specified.
3. In means for extinguishing the sparks given off from locomotive and other boilers, a number of sets of radial arms being provided with plates or louvres secured at an angle between the arms, and those on each set being placed at the opposite angle to those on the set next in order to it as herein set forth.
4. The general arrangement, construction and combination of parts in my improved means for extinguishing the sparks given off from locomotive and other boilers, as herein described and explained, as illustrated in the accompanying drawings, and for the several purposes set forth.

Specification, 5s. Drawings on application.

Application No. 4511.—HENRY SMITH HAYLING, of 12 Acland Street, St. Kilda, in the State of Victoria, Gentleman (assignee of Alexander Mansfield), "*Improvements in Tip Waggon Mechanism.*"—Dated 14th July, 1903.

*Claims:*—

1. In tip-waggon mechanism, the combination with each end of a waggon body having trunnions, of a slide block having an elongated or enlarged aperture or trunnion bearing and an adjustable frame having a slot for each said slide block and a rotatable screw in each slot as and for the purposes set forth.
2. In tip-waggon mechanism, the combination with a slide block having a bearing for a trunnion secured to a waggon body, of a revoluble screw engaging said slide block, a frame supporting said screw in position, means for adjusting said frame to either side of the body in an inclined position, and means for rotating said screw, for the purposes set forth.
3. In tip-wagon mechanism, a fixed frame having a recess with converging sides, and means to support an adjustable inclinable slide block frame as set forth.
4. In tip-waggon mechanism, the combination with an adjustable inclinable slide block frame, of a fixed supporting frame, having a recess with converging sides and means attached to said adjustable frame for raising and lowering the slide block as set forth.
5. In tip-waggon mechanism, a fixed frame comprising a support for an inclinable slide block frame, and having converging sides with a cut-away portion between the bases of the same, as and for the purposes described.
6. In tip-waggon mechanism, the combination with a fixed supporting frame, of an inclinable adjustable frame pivoted to a trunnion, and means to temporarily lock said frames together whilst allowing sliding movement of the adjustable frame as set forth.
7. In tip-waggon mechanism, the combination with a waggon body of means for raising said body on an incline and adjustable or other abutments to gradually tip the said body automatically during said raising as set forth.
8. In tip-waggons, the combination with a body raisable on an incline, of abutments to gradually tip the body during the raising, bearers to support the tipping rising body, and netting or flexible fabric wholly or partly attached to the upper edge of the body as set forth.

Specification, 7s. 6d. Drawings on application.

Application No. 4514.—AUGUST HEINRICH WILHELM WEDLER, of 141 Rundle Street, Adelaide, in the State of South Australia, Commonwealth of Australia, Umbrella Manufacturer, "*Improvements in device for fastening, adjusting, and locking Window Sashes.*"—Dated 16th July, 1903.

*Claims:*—

1. A sash fastening device comprising in combination the following parts secured to the lower sash, namely:—a barrel, a piston of the construction shown, a quarter-eccentric-cam-piece pivotally attached to the said piston, a coil spring acting to project the said piston, a key lock upon the said barrel, a key fitting into such lock, and the following parts secured upon the upper sash, a receiver bed, an extension arm adapted to lie horizontally or to be raised erect, a spring for retaining the said arm in its erect position, and a hinge pin which carries the said extension arm and the said spring and is bored with a fixed receiver hole, the said arm having a series of receiver holes in a vertical line with the fixed receiver hole and with the piston when said arm is erect, and having also a bevelled receiver lip adapted when the arm is in horizontal position to allow the piston to automatically slide into the fixed receiver hole substantially as described.
2. A sash fastening device comprising in combination the following parts secured to the lower sash, namely, a barrel, a piston, a quarter-eccentric-cam-piece pivotally attached to the said piston, a coil spring acting to project the said piston, and the following parts secured upon the upper sash, a receiver bed, an extension arm adapted to lie horizontally or to be raised erect, a spring for retaining the said arm in its erect position, and a hinge pin which carries the said extension arm and the said spring and is bored with a fixed receiver hole, the said arm having a series of receiver holes in a vertical line with the fixed receiver hole and with the piston when said arm is erect and having also a bevelled receiver lip adapted when the arm is in horizontal position to allow the piston to automatically slide into the fixed receiver hole substantially as described.

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