J. MAXWELL.

Oiling Knitting-Machine Burrs.

No. 147,672. Patented Feb. 17, 1874.

Fig 1

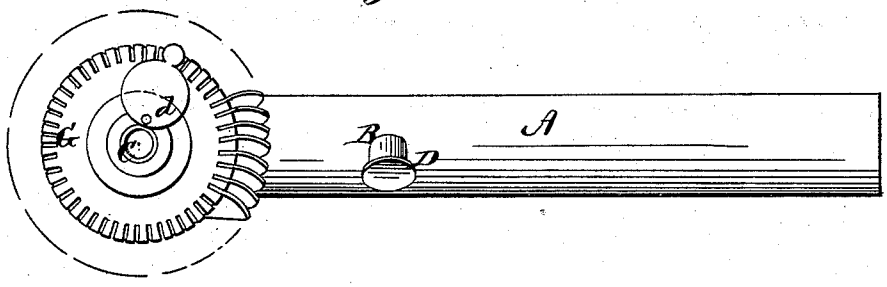
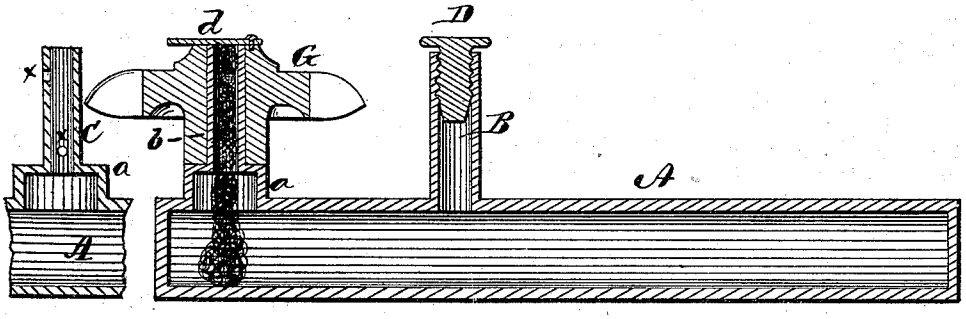


Fig 2



WITNESSES.

F. L. Dunand

C. L. Emerson.

INVENTOR

John Maxwell.

Alexander Mason

By

Attorneys.

UNITED STATES PATENT OFFICE.

JOHN MAXWELL, OF AMSTERDAM, NEW YORK.

IMPROVEMENT IN OILING KNITTING-MACHINE BURRS.

Specification forming part of Letters Patent No. **147,672**, dated February 17, 1874; application filed January 20, 1874.

To all whom it may concern:

Be it known that I, JOHN MAXWELL, of Amsterdam, in the county of Montgomery and in the State of New York, have invented certain new and useful Improvements in Means of Oiling Knitting-Machine Burrs; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a lubricating device for knitting-machine burrs, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view, and Fig. 2 a longitudinal section, of my invention.

A represents a hollow shaft or bar of any suitable dimensions, closed at both ends, and cast with a tube, B, on one side. It is also cast with an enlargement or hollow projection, *a*, into which is screwed the spindle C. The tube B may be screwed into the shaft A, instead of cast with it, and in the outer end of the tube is screwed a plug, D. The spindle C is hollow and open at both ends, and filled with cotton or other suitable material, *b*, for conveying the oil, through apertures *x x*, to the outside of the spindle. G represents a knitting-machine burr, fitting over the spindle C, and provided on the outer end of its hub with a pivoted slide, *d*, which closes the outer end of the spindle. The hollow shaft or bar A forms the oil-reservoir, which is filled through the tube B, after which the screw-plug D is inserted in the same. The burr G revolving upon the spindle, the oil is drawn by capillary attraction through the wicking *b*, and through the apertures *x x*, to the outside of the spindle to lubricate the same, as well as the inside of the hub of the burr. By means of the screw-plug D, the flow of oil is easily regulated, as the farther it is screwed in the more the oil is forced through the wicking.

When it is desired to clean out the interior of the spindle it is not necessary to remove the burr, but that may remain on the spindle. The slide *d* is turned to one side, thereby giving free access to the interior of the spindle.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The hollow shaft having the projection *a* and hollow perforated spindle C, in combination with the burr G, having cap *d*, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of January, 1874.

JOHN MAXWELL.

Witnesses:
C. L. EVERT,
A. N. MARR.