

N. F. MATHEWSON.
Burnishing-Machines.

No. 157,967.

Patented Dec. 22, 1874.

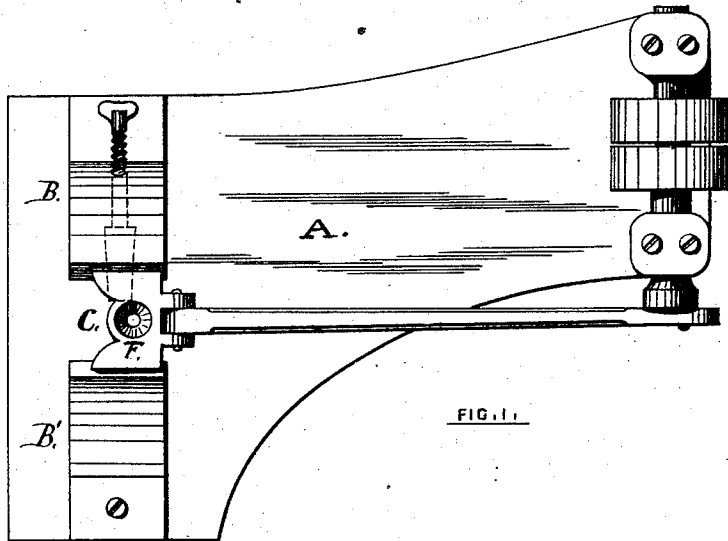


FIG. 1.

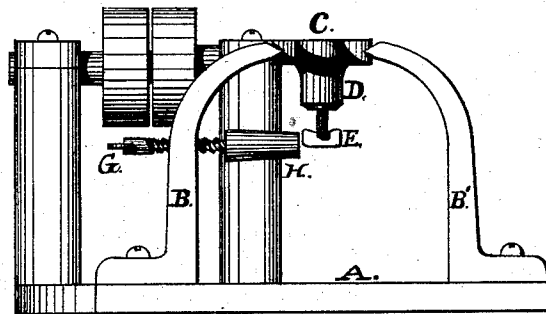


FIG. 2.

WITNESSES.

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NATHAN F. MATHEWSON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN BURNISHING-MACHINES.

Specification forming part of Letters Patent No. **157,967**, dated December 22, 1874; application filed September 24, 1874.

To all whom it may concern:

Be it known that I, NATHAN F. MATHEWSON, of Providence, in the State of Rhode Island, have invented a new and useful Machine for Burnishing; and I do hereby declare that the following specification, taken in connection with the drawing making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a top view of my invention. Fig. 2 is an end view.

My invention, although useful in other manufactures, is more especially designed for use in connection with the manufacture of jewelry, and consists in the device hereinafter described.

The burnishing of the work, which has heretofore been done by hand, materially adds to the expense of manufacturing jewelry, while it also proportionally delays the completion of the goods. With my improved machine a boy with but little previous training can easily perform an amount of work heretofore requiring several men.

Upon one end of a suitable bed-plate, A, I attach two curved guides, B and B', which receive and support a slide, C. Upon the under side of the slide C is a wrist, D, extending downward toward the bed-plate A,

constructed so as to receive and hold a suitable burnishing-tool, E, which may be taken out and replaced by others of different form, as occasion may require. Through the slide C and wrist D is a hole, F, into which water or soap-suds may be caused to drop from a vessel above the machine, and will be thus conducted to the burnishing-tool. Extending through the guide B is a thumb-screw, G, having at its extremity a rest, H, against the end of which the work may be steadied during the operation.

The operation of my invention is as follows: The workman holds the piece to be burnished against the rest H, and in contact with the tool E, which moves with great rapidity, motion being imparted to the slide C by the well-known arrangement of cam and pitman, as shown in Fig. 1.

What I claim as my invention, and desire to secure by Letters Patent, is—

The slide C, constructed with a hole, F, for the introduction of liquid, in combination with the wrist D and tool E.

NATHAN F. MATHEWSON.

Witnesses:

WALTER B. VINCENT,
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