I. L. COX & A. J. WHITNEY.
Polishing-Machine.

No. 219,693. Patented Sept. 16, 1879.

Fig. 1.

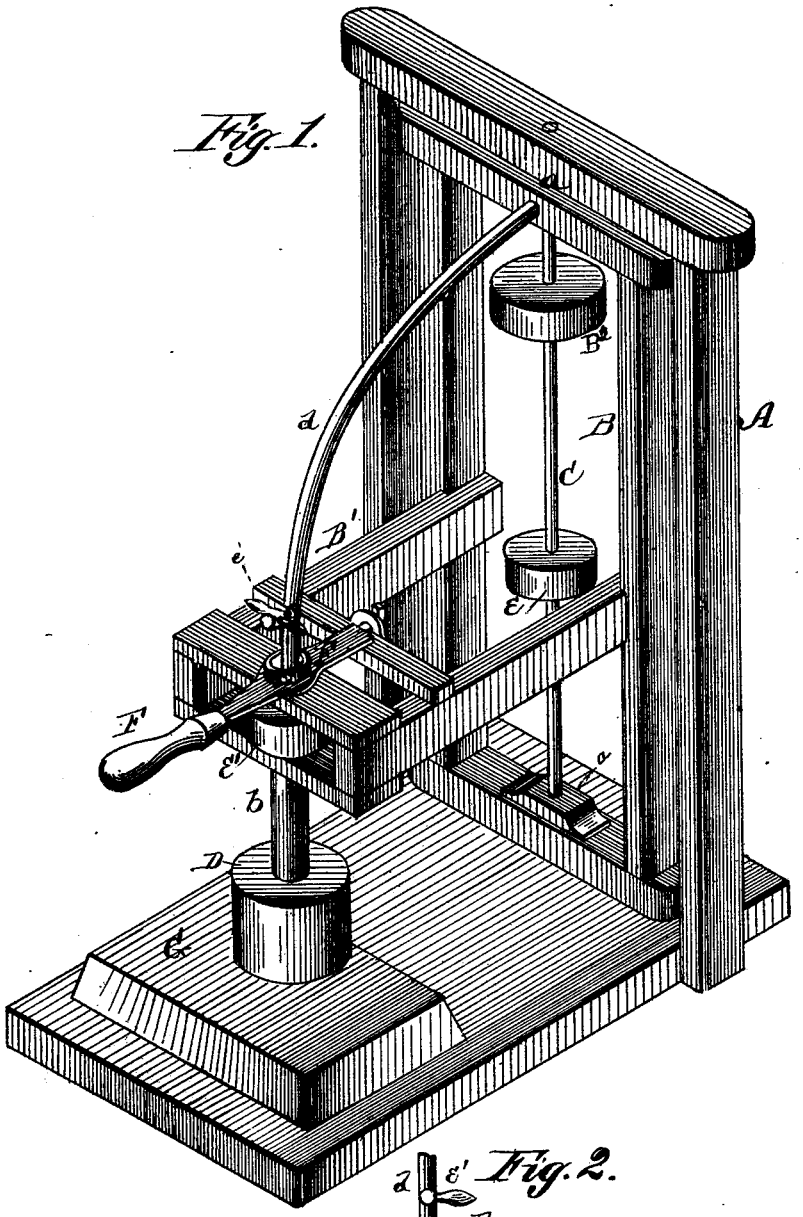
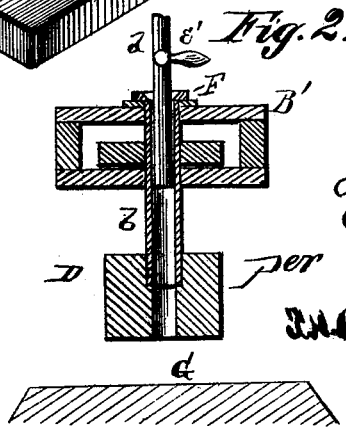


Fig. 2.



Witnesses:
W. C. McArthur
John C. Rogers.

Inventors
Isaac L. Cox and
Andrew J. Whitney,
per
T. A. Alexander & Elliott
Attorneys.

UNITED STATES PATENT OFFICE.

ISAAC L. COX AND ANDREW J. WHITNEY, OF ROCK ISLAND, ILLINOIS.

IMPROVEMENT IN POLISHING-MACHINES.

Specification forming part of Letters Patent No. **219,693**, dated September 16, 1879; application filed August 2, 1879.

To all whom it may concern:

Be it known that we, ISAAC L. COX and ANDREW J. WHITNEY, of Rock Island, in the county of Rock Island and State of Illinois, have invented certain new and useful Improvements in Polishing-Machines; and we 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, which form part of this specification.

The nature of our invention consists in the construction of a machine for polishing marble and other articles, as will be hereinafter more fully set forth.

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

Figure 1 is a perspective view, and Fig. 2 a cross-section of part, of our invention.

A represents an upright frame, in which is a swinging frame, B, turning upon top and bottom pivots *a a*. In the swinging frame B is a vertical shaft, C, placed in suitable bearings on a line with the pivots *a*. This shaft is to receive a rotary motion by a belt passing around the pulley B^2, and thence around a pulley on a shaft revolved by any suitable motive power, and from said shaft C the polisher receives its motion.

To the swinging frame B is attached a horizontal frame, B^1, carrying in its forward end a vertical hollow shaft, *b*, provided with a collar, *x*, to the lower end of which shaft the polisher D is secured.

E E′ are pulleys on the shafts C and *b*, to be connected by a belt for rotating the polisher.

The polisher D consists of a cylindrical wooden block, hollow in the center, for the passage of the hollow shaft *b*.

F is a lever for raising the polisher, provided with a circular opening for the passage of the tube *b*, the collar *x* of which rests on the upper face of the lever F, by means of which the polisher is raised. G is the bed on which the marble is laid to be polished. *d* is a pipe, with stop-cock *e*′, for conveying sand and water into the hollow shaft *b*.

The wooden polisher works on its end, the sand and water being conducted through the central orifice in the polisher, and thence down upon the face of the stone to be polished.

Our machine is simple and durable, and can be worked by any common laborer, doing its work very rapidly and with safety. Our polisher can be worked close to a molding without chipping.

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

The swinging frame B, pivoted to the base and frame A, and provided with the shaft C, carrying the pulleys E B^2, in combination with the horizontal frame B^1, rigidly attached to the frame B and carrying the pulley E′, wooden polisher D, having a central orifice-tube, *b*, having a collar, *x*, lever F, surrounding the tube *b*, beneath the collar *x*, and hinge-jointed to the frame B^1, and pipe *d*, substantially as described, and for the purpose set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

ISAAC LEWIS COX.
ANDREW JACKSON WHITNEY.

Witnesses:
T. B. DAVIS,
THOS. YATES.