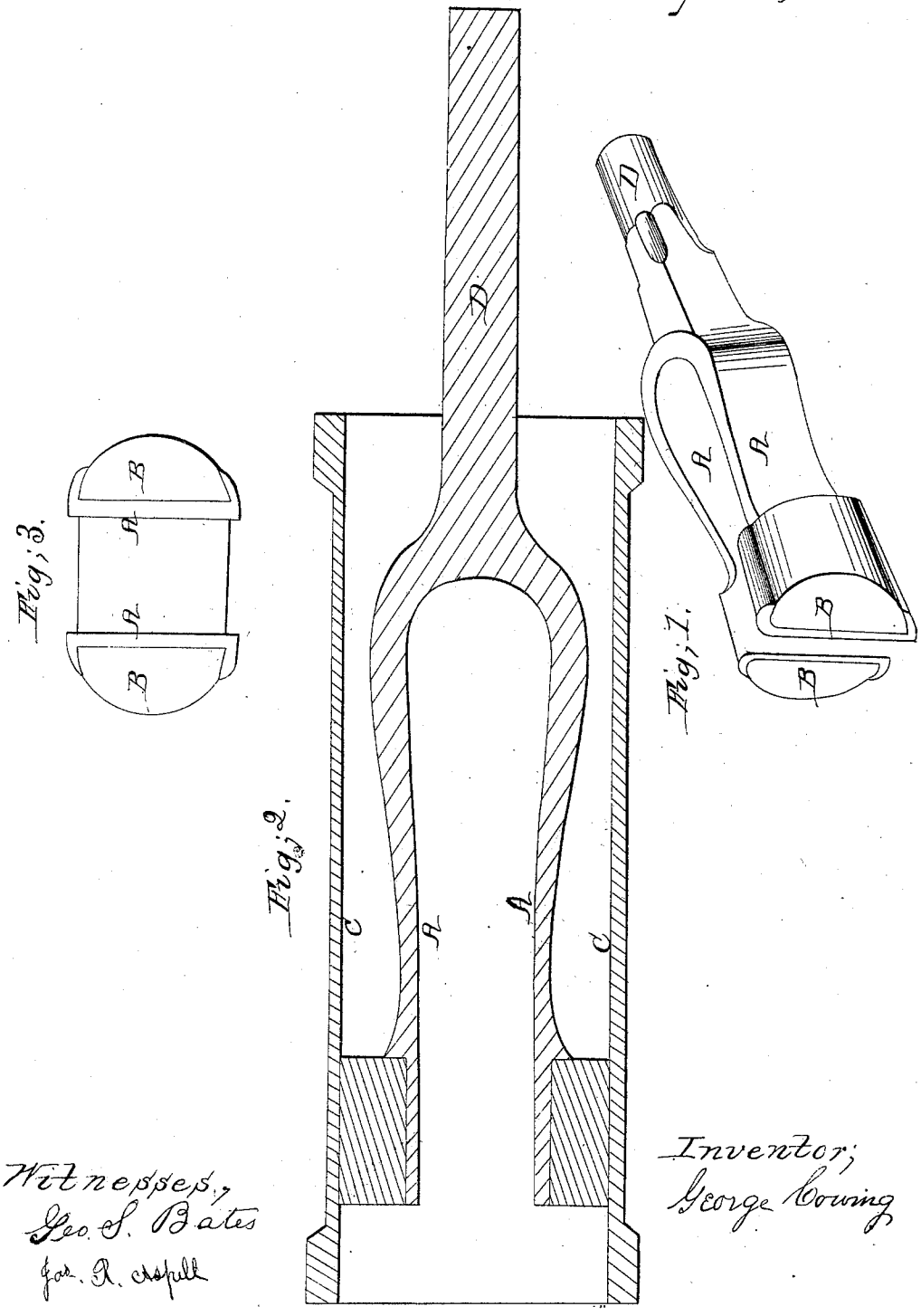
G. Coring,

Polishing Metal Cylinders.

No. 38,153, Patented Apr. 14, 1863.



Witnesses,
Geo. S. Bates
Jos. R. Ashall

Inventor;
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UNITED STATES PATENT OFFICE.

GEORGE COWING, OF SENECA FALLS, NEW YORK.

IMPROVEMENT IN CYLINDER-POLISHERS.

Specification forming part of Letters Patent No. **38,153**, dated April 14, 1863.

To all whom it may concern:

Be it known that I, GEORGE COWING, of Seneca Falls, in the county of Seneca and State of New York, have invented a new and useful machine for polishing a hollow or concave surface surrounding a cylindrical space, which I call a "Cylinder-Polisher;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view; Fig. 2, a longitudinal section, and Fig. 3 a transverse section through rubbers.

In Fig. 1 A A are springs, B B rubbers, D shank.

In Fig. 2 A A are springs, B B rubbers, D shank, C C cylinder.

In Fig. 3 A A are springs, B B rubbers.

The nature of my invention consists in the use of spring-pressure maintained against the surface to be polished by the reaction of two or more springs issuing from one stem and holding each other in position. The springs may be constructed in any convenient form. The stem from which the springs issue terminates in a shank adapted to the spindle of a lathe or other machine by which motion may be given to the polisher. The motion of the polisher is designed to be rotary or rotary and longitudinal combined, while the cylinder is held in a parallel position. The rubbers are fastened to the outer surface of the springs by a clasp, bolt, screw, or any other contrivance found convenient. The outer surfaces of the rubbers are convex, and placed at such a distance apart that the springs must be compressed to put the polisher in the cylinder to be polished.

Any material may be used for the rubbers that will be adapted to the material of the surface to be polished.

I claim—

A cylinder-polisher composed of the stem D, springs A A, and rubbers B, constructed substantially as set forth.

GEORGE COWING.

Witnesses:

HENRY C. HUTCHINSON,

S. R. TEN EYCK.