

G. DANFORTH.

Apparatus for Dressing Boot and Shoe Soles.

No. 210,103.

Patented Nov. 19, 1878.

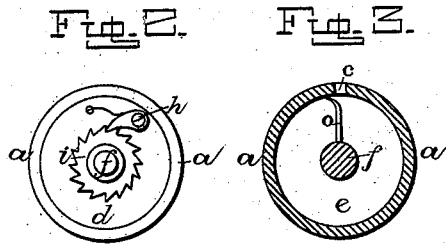
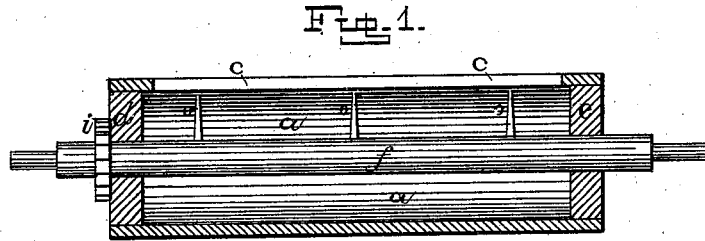
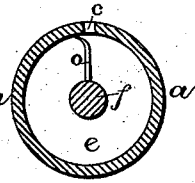


Fig. 3.



Witnesses:

J. W. Garner
H. D. Haines

Inventor:

Geo. Danforth,
per
J. A. Lehmann, Atty.

UNITED STATES PATENT OFFICE.

GEORGE DANFORTH, OF COCHITUATE, MASSACHUSETTS.

IMPROVEMENT IN APPARATUS FOR DRESSING BOOT AND SHOE SOLES.

Specification forming part of Letters Patent No. **210,103**, dated November 19, 1878; application filed August 7, 1878.

To all whom it may concern:

Be it known that I, GEORGE DANFORTH, of Cochituate, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Machines for Dressing Boots and Shoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in machines for dressing the soles of boots and shoes, and is intended as an improvement upon the patent granted to W. Smith and myself; and it consists in a shell having a slot made through one side, and a single shaft armed with hooks passing through it, the shell being made movable around the shaft in an opposite direction from the points of the hooks, for the purpose of fastening the paper or cloth, as will be more fully described hereinafter.

Figure 1 is a longitudinal section of my invention. Fig. 2 is an end view, and Fig. 3 a vertical cross-section, of the same.

a represents a shell or cylinder, around which the sand-paper or emery-cloth is wrapped, for the purpose of dressing the bottoms of soles of boots and shoes, and which cylinder has a longitudinal slot, *c*, cut through one side, and extending nearly its whole length. In each end of this cylinder is placed a head, *d e*, through which passes the shaft *f*, with which the cylinder revolves. One of these heads may be cast with or rigidly secured to the shaft, while the other is fastened in or cast with the cylinder.

Upon the shaft, just outside of the head that is secured to the cylinder, is secured a ratchet, *i*, with which a spring-dog, *h*, engages, so as to prevent the shaft from moving from the position into which it has been adjusted.

Projecting out from one side of the shaft are a number of curved hooks, *o*, which are long enough to reach out to the inner surface of the cylinder and catch in the ends of the sand-paper, which are passed through the slot *c*. By adjusting the cylinder these hooks can be made to pull upon the ends of the paper with such force as to hold it very tightly against the outside of the cylinder.

By attaching the hooks directly to the shaft upon which the cylinder revolves and allowing the cylinder to be moved around the shaft, the operating parts are reduced in number, and the construction of the machine cheapened and simplified accordingly.

Having thus described my invention, I claim—

1. In a machine for dressing the soles of boots and shoes, the cylinder *a*, having slot *c*, in combination with a shaft provided with hooks *o*, the cylinder being adapted to revolve in a direction opposite to the points of said hooks, substantially as shown.

2. The combination of the cylinder *a*, provided with the slot *c*, heads *d e*, shaft *f*, ratchet *i*, and dog *h*, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 29th day of July, 1878.

GEORGE DANFORTH. [L. S.]

Witnesses:

C. A. CORMAN,
STILLMAN CROUCH.