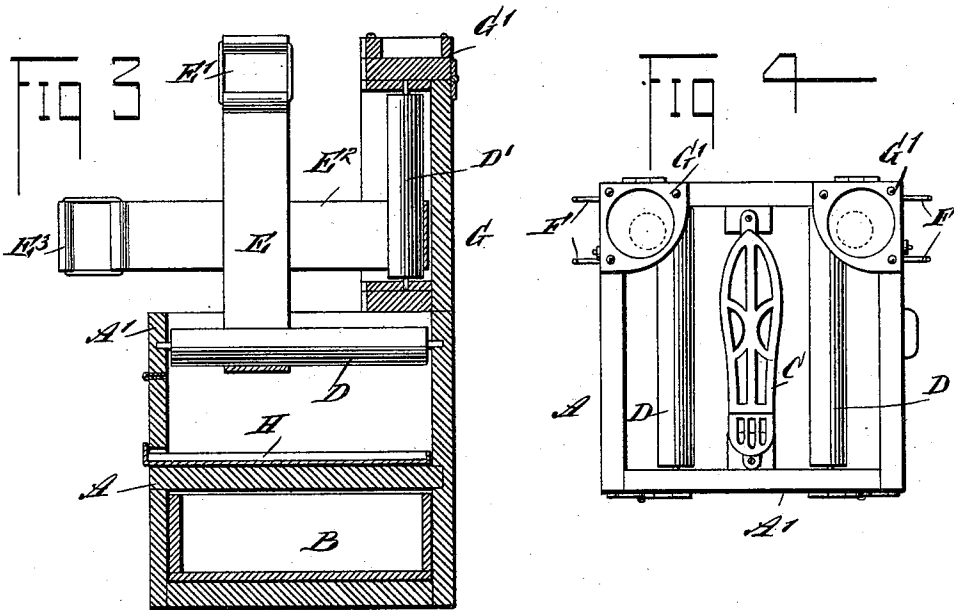
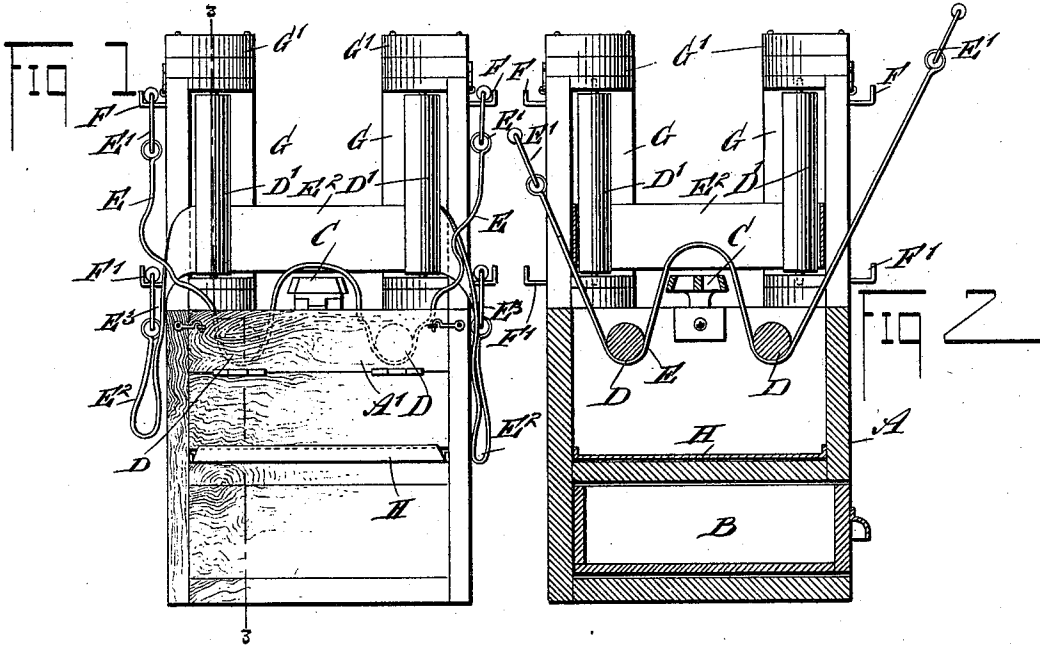


(No Model.)

R. F. BURWELL.  
POLISHING APPARATUS.

No. 598,902.

Patented Feb. 15, 1898.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ROBERT FITCH BURWELL, OF NEW HAVEN, CONNECTICUT.

## POLISHING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 598,902, dated February 15, 1898.

Application filed April 8, 1897. Serial No. 631,213. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT FITCH BURWELL, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and Improved Polishing Apparatus, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved polishing apparatus for conveniently and rapidly polishing shoes and boots and without much exertion on the part of the operator and without the latter soiling the hands.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of the improvement. Fig. 2 is a sectional front elevation of the same. Fig. 3 is a transverse section of the same on the line 3 3 of Fig. 1, and Fig. 4 is a plan view of the improvement.

The improved polishing apparatus is provided with a blacking box or stand A, containing in its lower portion a drawer B, adapted to contain various brushes, daubers, and the like. In the open top of the box or stand is secured a transversely-extending foot-rest C, on which the operator places the boot or shoe to be polished, and on opposite sides of the said rest and a suitable distance below the same are arranged the transversely-extending rollers D, journaled in suitable bearings in the back and front of the box or stand A, the front A' being preferably hinged to permit of conveniently removing the rollers and replacing the same by new ones whenever desired.

Under the rollers D and over the rest C extends a polishing-band E, of cloth or other suitable material, and provided at its ends with suitable handles E', adapted to be engaged by the hands of the operator when the band E is to be used, and when the latter is not used the said handles are hung on suitable hooks F, secured to posts G, erected on the rear end of the box or stand A. A second set of rollers D' is journaled in the posts G

and are disposed vertically, and over the said rollers passes a second polishing-band E<sup>2</sup>, likewise provided at its ends with handles E<sup>3</sup>, adapted to be hung on hooks F' when the band E<sup>2</sup> is not in use.

The upper ends G' of the post G are preferably hinged, as illustrated in the drawings, and formed with recesses for containing blacking-boxes. The said ends when swung open or rearward permit of removing the rollers D' whenever it is desired to replace the same by new ones or to place another polishing-band E<sup>2</sup> in position on the said rollers. In the box or stand A, below the rollers D and foot-rest C, is arranged a pan H, adapted to be withdrawn through the front of the box, the said pan serving to collect any dirt removed from the boot or shoe when on the rest C.

The operation is as follows: The operator when having the foot on the rest C applies the blacking by the use of a dauber in the usual manner and then places the middle portion of the band E over the front portion of the foot and alternately draws or pulls on the handles E', so that the band is moved transversely over the front part of the boot or shoe to clean and polish the same in a very short time. When this has been done, the handles E' are placed on the hooks F, and the middle portion of the band E is removed from the boot or shoe, and the latter is then engaged with the middle portion of the second band E<sup>2</sup> at the heel or back part of the boot or shoe, so that on the operator pulling the handles E<sup>3</sup> alternately a polishing of the back and rear part of the sides of the boot or shoe takes place. Thus it will be seen that by the use of the two bands the operator is enabled to quickly and conveniently polish the boot or shoe without danger of soiling the hands and without much exertion or disagreeable stooping down on the part of the operator.

It is understood that when the band E<sup>2</sup> is used the other band E is under the foot of the operator at its middle portion, so as not to interfere in any way with the working of the band E<sup>2</sup>, as above explained. In a like manner the middle portion of the band E<sup>2</sup> is drawn comparatively tight between the two rollers when this band is not in use, so as not to interfere with the working of the band E.

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

- 5 1. A polishing apparatus comprising a stand, a foot-rest on the stand, horizontally-disposed rollers having journal-bearings in said stand below its top, a polishing-band for engaging with said rollers, posts mounted on said stand and having hinged upper ends,  
10 vertical rollers supported by and having journal-bearings in said post, the upper journals being in the hinged sections, and a polishing-band for engagement with the vertical rollers, substantially as specified.
- 15 2. A polishing apparatus, comprising a box or stand open at the top and having a hinged

front portion, rollers having journal-bearings at one end in the back portion of the box or stand and journal-bearings at the other end in the hinged front portion, a polishing-band 20 for engagement with the rollers, a foot-rest on the box or stand above the plane of the rollers, vertical rollers at the front portion of the box or stand, posts in the upper portions in which the vertical rollers have bearings and a pol- 25 ishing-band for engagement with the vertical rollers, substantially as specified.

ROBERT FITCH BURWELL.

Witnesses:

BENJAMIN C. LUM,  
WALTER R. DOWNS.