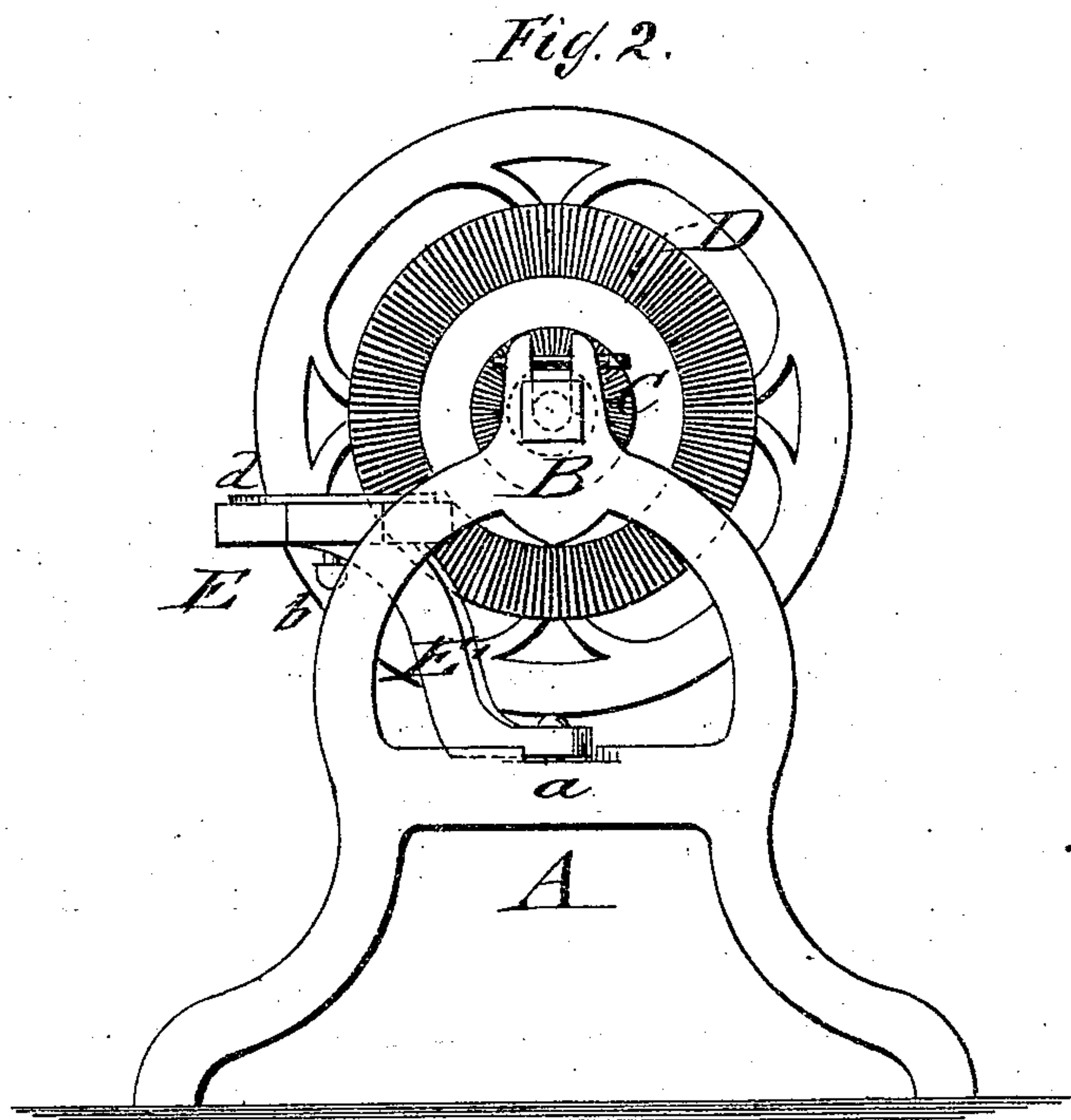
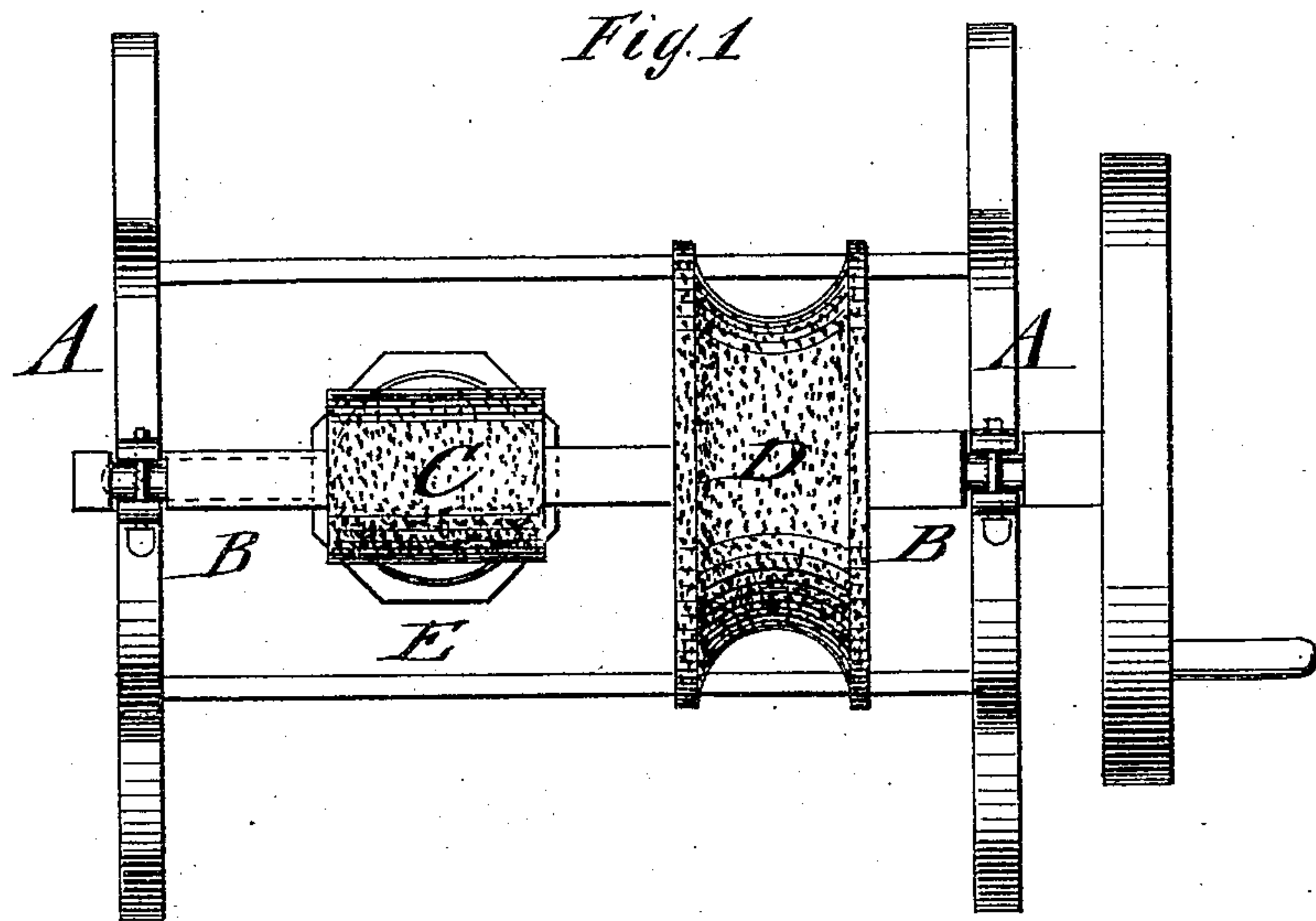


**B. PALMER.**  
**Boot Blacking-Machines.**

No. 153,274.

Patented July 21, 1874.



**WITNESSES:**

*E. Wolff.*  
*C. Sedgwick*

**INVENTOR:**

*B. Palmer*  
**BY** *Munn & Co.*

**ATTORNEYS.**

# UNITED STATES PATENT OFFICE.

BARTLY PALMER, OF ARMONK, NEW YORK.

## IMPROVEMENT IN BOOT-BLACKING MACHINES.

Specification forming part of Letters Patent No. **153,274**, dated July 21, 1874; application filed March 21, 1874.

*To all whom it may concern:*

Be it known that I, BARTLY PALMER, of Armonk, in the county of Westchester and State of New York, have invented a new and Improved Boot Blacking and Polishing Machine, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view, and Fig. 2 an end view, of my improved machine for blacking and polishing boots.

Similar letters of reference indicate corresponding parts.

The object of my invention is to supply for hotels, boarding-houses, family and general use an improved boot blacking and polishing machine, by which the process of blacking and polishing may be rapidly attended to by hand or other power, and accomplished in a perfect and easy manner. My invention consists of a horizontal shaft, which is rotated by hand-wheel, treadle, or otherwise, and provided with two wheel-shaped brushes, of which one takes up the blacking from a box placed adjustably on a pivoted bracket, transferring it to the boot, while the other wheel of rounded V shape or concaved cross-section polishes the boot when brought in contact therewith.

In the drawing, A represents the supporting-frame of my boot blacking and polishing machine, which may be either applied by clamping-screws to a table to be driven by hand, or be made of sufficient height to be placed on the floor to be driven by a treadle or other motive power. Frame A supports in suitable top bearings the rotating shaft B, on which two or more wheel-shaped brushes, C and D, are rigidly placed. The bristles of brush C

are arranged in cylindrical shape, and serve to take up the blacking from a common blacking-box placed into basket E of bracket E', which is pivoted to frame A, to be swung outwardly as soon as the necessary supply is furnished. The bracket E' is firmly held in position under the brush by means of groove *a* of the frame, which defines its extent of motion. The blacking-box is raised in the basket E by a set-screw, *b*, acting on a bottom disk, *d*, of the same. The larger brush-wheel D has the bristles arranged under curved V or concave cross-section, so that the boot or shoe may be placed against the same, and be acted upon at several sides, the whole surface being gradually exposed till the boot is completely polished.

If the machine is driven by a treadle, both hands may be used at the same time, and thereby the blacking and polishing process attended to rapidly and conveniently, being especially useful when larger quantities are required to be polished.

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

The machine for blacking and polishing boots and shoes, consisting of supporting-frame A, rotating shaft B, with bristle-wheels C and D, and pivoted socket E, for holding the blacking-box, the whole being arranged and operated substantially as and for the purpose set forth.

BARTLY PALMER.

Witnesses:

N. SEARLES,  
M. W. PALMER.