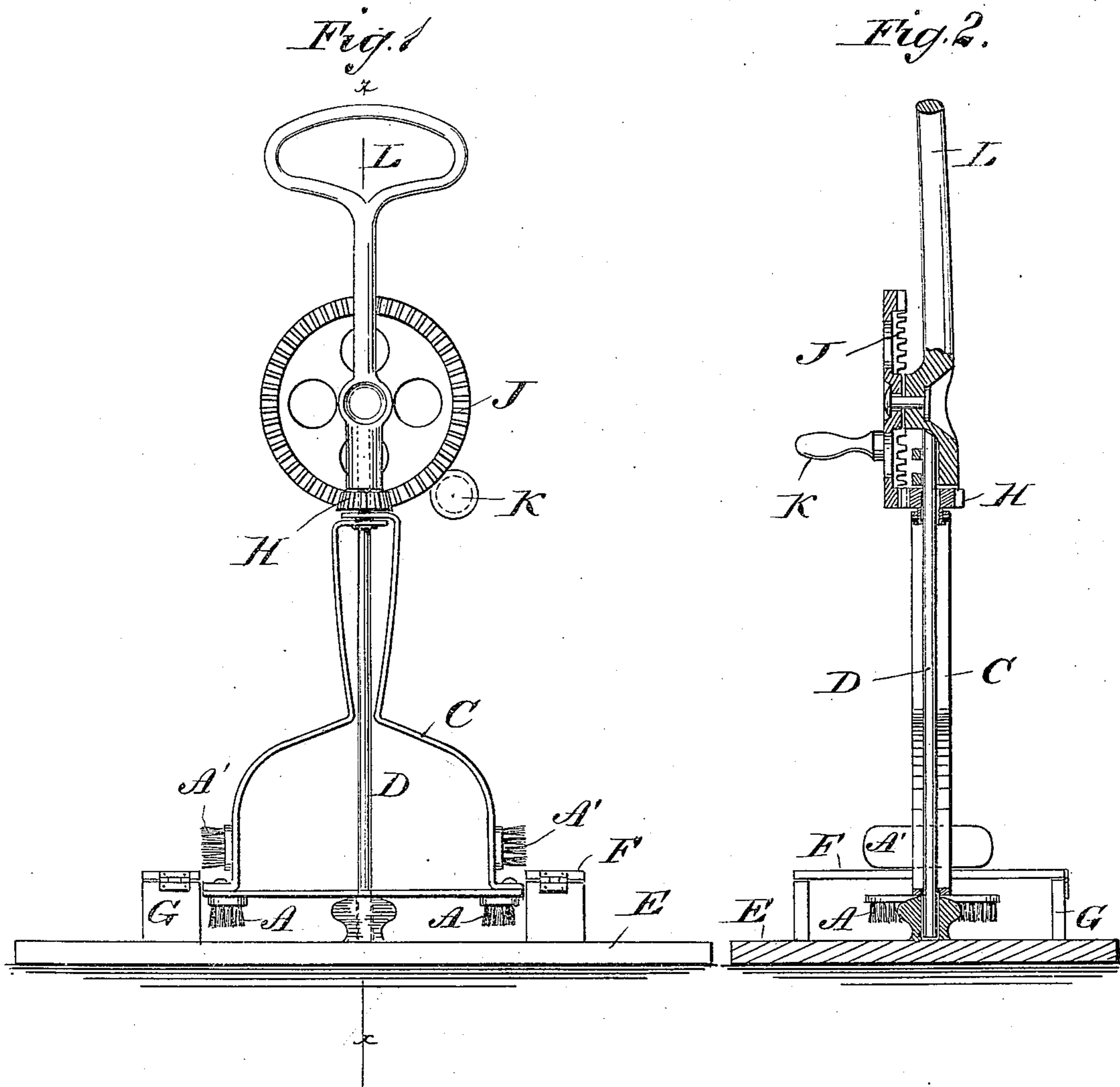


(No Model.)

A. S. CLARK.  
BOOT BRUSHING MACHINE.

No. 249,006.

Patented Nov. 1, 1881.



WITNESSES:  
*Francis McArate,*  
*J. H. Scarborough*

INVENTOR:  
*A. S. Clark,*  
BY *Munn & Co*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ALFRED S. CLARK, OF CHATAWA, MISSISSIPPI.

## BOOT-BRUSHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 249,006, dated November 1, 1881.

Application filed September 9, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED S. CLARK, of Chatawa, in the county of Pike and State of Mississippi, have invented a new and Improved Boot and Shoe Brushing Machine, of which the following is a specification.

The invention consists of a series of brushes attached horizontally and vertically to a frame loosely mounted on a vertical rod and combined with suitable devices for revolving it. The vertical rod is fastened in a base provided with foot-rests, upon which the feet may be placed if the boots or shoes are to be brushed.

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

Figure 1 is a longitudinal elevation of my improved boot and shoe brushing machine. Fig. 2 is a longitudinal sectional elevation of the same on the line *x x*, Fig. 1.

A series of brushes, *A A'*, are attached to the bottom of a frame, *C*, mounted loosely on a vertical rod, *D*, resting in and fastened to a base, *E*. The brushes *A* are fastened to the under side of the frame *C* in such a manner that the bristles will project downward, and the brushes *A'* are attached to the side of the bottom of the frame *C* in such a manner that the bristles project outward. The brushes *A* are to be used to brush the upper surface of the boot or shoe, and consequently must be only a very short distance above the base *E*. The brushes *A'* are to be used to brush the sides of the shoe, and are so located that they will brush the sides of the boots or shoes when the foot rests on a foot-rest, *F*, pivoted to and resting on blocks or uprights *G* on the base *E*. Any suitable number of brushes *A* or *A'* can be attached to the frame *C*. A pinion, *H*, is rigidly attached to the upper end of the frame *C* and engages with a cog-wheel, *J*, provided with a crank-handle, *K*, and mounted on a pintle of the vertical rod *D*. The vertical rod *D* is preferably provided with a handle, *L*, at the upper end.

If the boots or shoes are to be brushed or polished, the foot is placed on the base *E*, or on the foot-rest *F*, accordingly as the top or sides of the boot or shoe are to be polished. As the pinion *H* is very much smaller than the wheel *J*, the brush-carrying frame will revolve very rapidly, and will brush and polish the boots or shoes in a very short time. At those points where brushes are attached the frame *C* must be made extra heavy, so that the centrifugal motion can overcome the resistance offered by the boots or shoes.

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

1. A boot and shoe brushing machine made substantially as herein shown and described, and consisting of a series of brushes attached to and projecting horizontally and vertically from a frame revolving on an upright rod, as set forth.

2. In a boot and shoe brushing machine, the combination, with the revolving frame *C*, of the brushes *A A'*, the pinion *H*, the cog-wheel *J*, and the vertical rod *D*, substantially as herein shown and described, and for the purpose set forth.

3. In a boot and shoe brushing machine, the combination, with the revolving frame *C*, of the brushes *A A'*, the base *E*, the rod *D*, the pinion *H*, the cog-wheel *J*, and the foot-rests *F*, substantially as herein shown and described, and for the purpose set forth.

4. In a boot and shoe brushing machine, the combination, with the revolving frame *C*, of the brushes *A A'*, the base *E*, the rod *D*, the handle *L*, the pinion *H*, the cog-wheel *J*, and the foot-rests *F*, substantially as herein shown and described, and for the purpose set forth.

ALFRED SÉVÉRIANO CLARK.

Witnesses:

ELIZABETH M. CLARK,  
GEORGE E. CLARK,  
ANDREW HEROD.