

N. EISENMANN.

Improvement in Machines for Blacking Boots and Shoes.

No. 121,343.

Patented Nov. 28, 1871.

Fig. 1

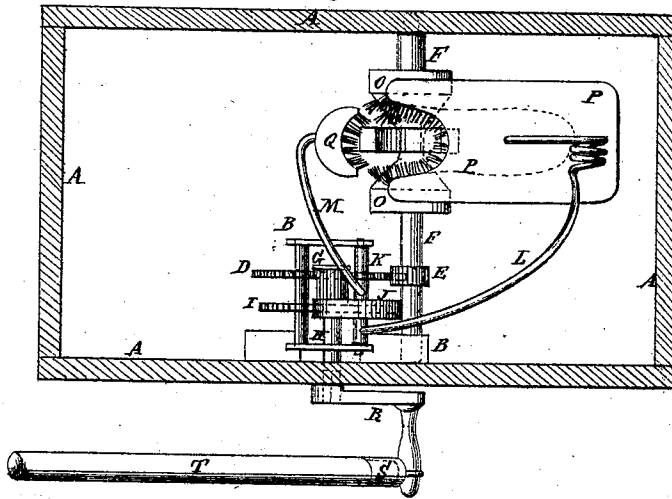


Fig. 2

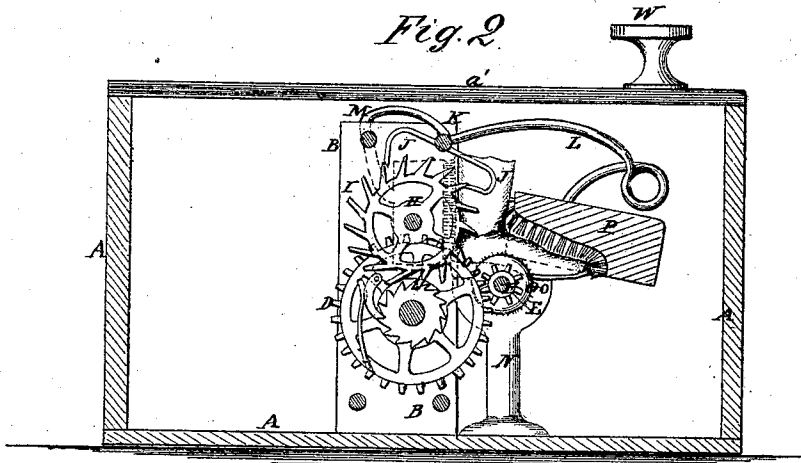
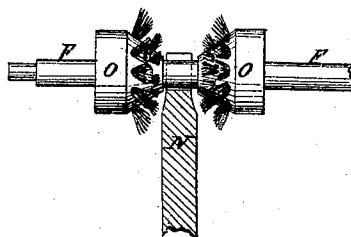


Fig. 3.



Witnesses:

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NATHAN EISENMANN, OF NEW YORK, N. Y.

IMPROVEMENT IN MACHINES FOR BLACKING BOOTS AND SHOES.

Specification forming part of Letters Patent No. 121,343, dated November 28, 1871.

To all whom it may concern:

Be it known that I, NATHAN EISENMANN, of New York, in the county and State of New York, have invented a new and Improved Machine for Blacking Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a top view of my improved machine, the top of the box being removed. Fig. 2 is a side view of the apparatus, partly in section, to show the construction. Fig. 3 is a detail view of the lower brushes.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved apparatus for polishing or blacking boots and shoes which shall be simple in construction and effective in operation, whereby the boots and shoes can be quickly and thoroughly polished; and it consists in the construction and combination of the various parts of the apparatus, as hereinafter more fully described.

A represents a box in which the apparatus is placed. B is a small frame, which is attached to the box A near one side. C is a shaft which revolves in bearings in the frame B, and the outer end of which projects through a hole in the side of the box A. Upon the shaft C is placed a gear-wheel, D, the teeth of which mesh into the teeth of the small gear-wheel E attached to the shaft F. The gear-wheel D is connected with the shaft C by a pawl and ratchet-wheel, so that the said shaft C, when turned in one direction, may carry the gear-wheel D with it, and, when turned in the other direction, will not carry said gear-wheel with it. This construction allows a spring to be connected with the shaft C when it is desired to have the apparatus driven by spring-power. The teeth of the gear-wheel D also mesh into the teeth of the small gear-wheel G attached to the shaft H. The shaft H revolves in bearings in the frame B, and to it is attached the escapement-wheel I that operates the pallet J attached to the shaft K, which revolves in bearings in the

frame B, and to which are attached the wires L M. The shaft F revolves in bearings in the standard N, and to it, upon the opposite sides of said standard, are attached two brushes, O, in such positions as to brush the sides of the boot or shoe beneath the instep when the foot rests upon the upper end of the standard N. To the end of the wire L is attached a brush, P, which is formed so as to fit upon the top and sides of the upper and forward part of the boot or shoe. To the end of the wire M is attached a brush, Q, which is so formed as to fit upon the rear part of the shoe or boot, the brushes O P Q being so formed as to fit upon and cover the entire surface of the boot or shoe. By this construction, as the machine is operated the movements of the brushes O P Q will quickly and thoroughly polish the entire surface of the boot or shoe. To the projecting end of the shaft C is attached a crank, R, by means of which the apparatus may be operated. To the outer end of the crank R is swiveled a socket, S, to receive the handle T to enable the apparatus to be conveniently operated by any one desiring to blacken his own boots and shoes. To the upper side of the lid or cover *a'* of the box A is attached a short pedestal or standard, W, to rest the foot upon when applying the blacking to the boots or shoes.

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

1. The combination of the brushes O P Q, shaft F, pedestal N, and wires L M with each other, with the box A, and with a clock-work, B C D E G H I J K, or equivalent train of gearing, substantially as herein shown and described, and for the purpose set forth, whether the said clock-work be driven by hand or spring-power.

2. The combination of the swiveled socket S with the crank R to adapt it to receive a long handle, T, substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me this 11th day of October, 1871.

NATHAN EISENMANN.

Witnesses:

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