

(No Model.)

J. T. RAY, 2d.
SHOE POLISHING MACHINE.

No. 573,917.

Patented Dec. 29, 1896.

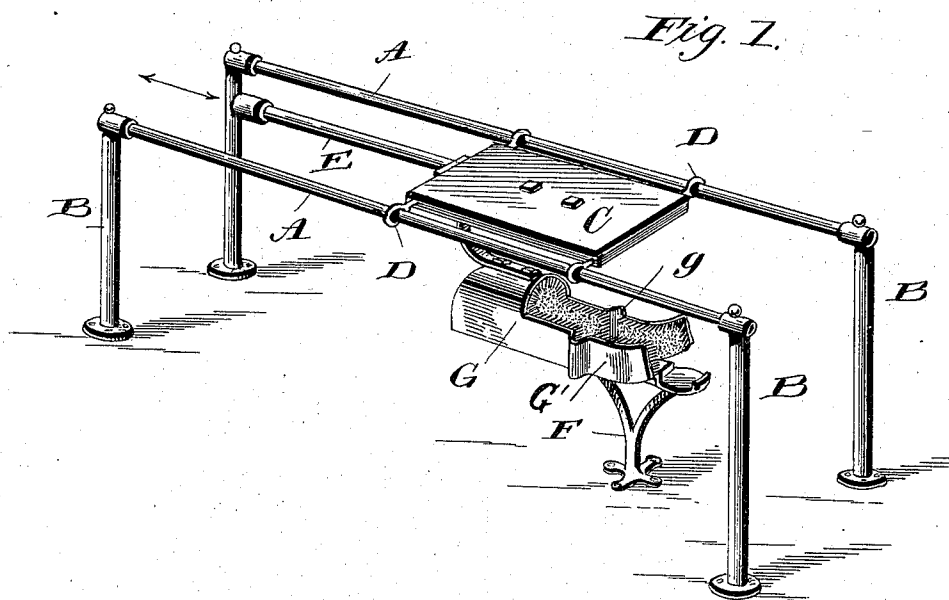
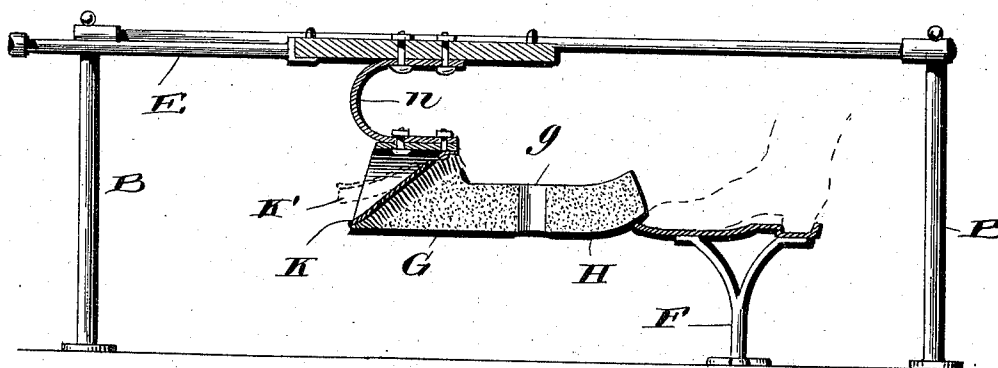


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH T. RAY, 2D, OF NEWPORT, RHODE ISLAND.

SHOE-POLISHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 573,917, dated December 29, 1896.

Application filed April 2, 1896. Serial No. 585,949. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH T. RAY, 2d, a citizen of the United States, residing at Newport, in the county of Newport and State of Rhode Island, have invented certain new and useful Improvements in Shoe-Polishing Machines; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in a shoe-polishing machine, and especially to a machine for shining boots and shoes; and the object of the invention is to provide a device of this character which will effectively polish the shoe by means of a brush connected to a cross-head designed to be reciprocated on two horizontal rods mounted on suitable legs, which cross-head has connection with a motor-power of any suitable kind.

A further object of my invention resides in the construction of a shoe-polishing machine which carries a brush mounted on a spring-casing, which brush is designed to fit over the shoe, which is held on a suitable rest, and by means of the reciprocation of the brush all parts of the shoe-upper are polished.

To these ends and to such others as the invention may pertain, the same consists, further, in the novel construction, combination, and adaptation of the parts, as will be hereinafter more fully described and then specifically defined in the appended claim.

I clearly illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings—

Figure 1 is a perspective view of my invention. Fig. 2 is a central vertical longitudinal section view of the brush and the cross-head carrying the same.

Reference now being had to the details of the drawings by letter, A designates two parallel horizontal rods which are suitably supported on the legs B, and C is a cross-head which carries at its ends eyes D, and the cross-head plays back and forth on the said rods. Secured to one end of the cross-head is the rod E, which may be applied to a motor in any suitable manner.

F is a foot-rest on which the shoe is held, and G is the brush which I employ. The casing of this brush is made, preferably, of spring metal and has resilient arms G', which have offsets midway of their length. On the sides of the arms are provided the brush-splints, which extend the entire length thereof. One end of the said brush has an inclined plate K, secured at its upper end to the said casing, with its free end adapted to swing to the position as shown in dotted lines K'. The inner side of this plate is also provided with a brush, and as the shoe-brush comes in contact with the shoe this spring-plate is adapted to rest on the shoe.

N is a U-shaped member which is connected at one end to the brush, its other end connected to the cross-head.

What I claim is—

In a shoe-polishing machine, the two horizontal parallel rods A, mounted on suitable legs, the cross-head C carrying eyes at its ends adapted to work on same, connecting-rod E on one end of cross-head, the metallic casing G having resilient arms G' with offsets midway their lengths, the inclined member or plate K, having a brush secured on its inner face, suitable connections with the cross-head, all combined substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH T. RAY, 2d.

Witnesses:

SAMUEL LEUF,
W. P. SHEFFIELD, Jr.