

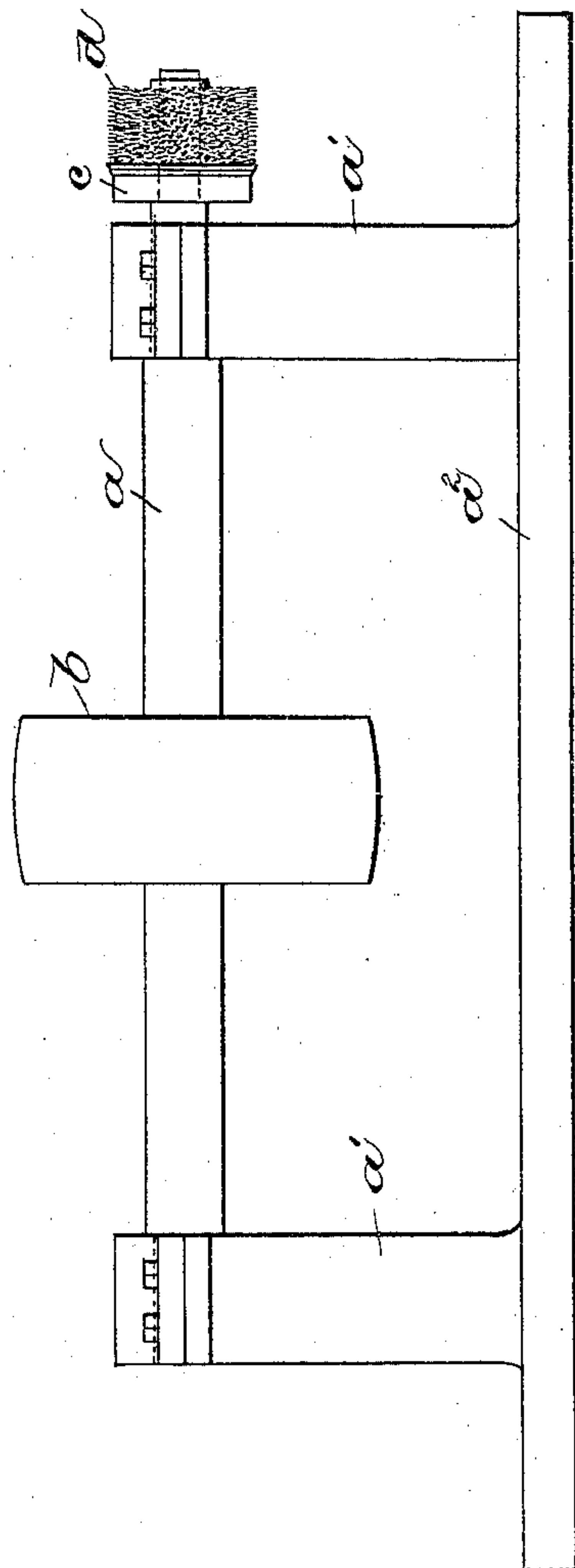
(No Model.)

C. F. LEIGHTON.

MACHINE FOR FINISHING THE SOLE EDGES AND CLEANING THE
UPPERS OF BOOTS OR SHOES.

No. 368,537.

Patented Aug. 16, 1887.



Witnesses.

Fred L. Emery
Walter H. Noyes

Inventor.

Carleton F. Leighton
by Lemmy & Gregory Attys.

UNITED STATES PATENT OFFICE.

CARLETON F. LEIGHTON, OF BEVERLY, MASSACHUSETTS, ASSIGNOR TO
CHARLES S. HILL, OF SAME PLACE, AND FORREST D. GREENE, OF
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MACHINE FOR FINISHING THE SOLE-EDGES AND CLEANING THE UPPERS OF BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 368,537, dated August 16, 1887.

Application filed June 6, 1887. Serial No. 240,417. (No model.)

To all whom it may concern:

Be it known that I, CARLETON F. LEIGHTON, of Beverly, county of Essex, and State of Massachusetts, have invented an Improvement in Machines for Finishing the Edges and Cleaning the Uppers of Boots and Shoes, of which the following description, in connection with the accompanying drawing, is a specification, like letters on the drawing representing like parts.

In the manufacture of boots and shoes it is customary to stain or blacken and burnish the edges of the soles and heels; but in practice, when applying the stain or blacking, the operator by carelessness smears more or less of the blacking or stain upon the upper, which has afterward to be cleaned off, which is done by a brush or wiper in the hands of the operator.

This invention has for its object to construct a machine for finishing the edges and cleaning the uppers of boots and shoes next the edge of the sole and heel; and my invention consists in the combination, with a rotating edge-finishing tool, of a rotary brush located adjacent to the tool, whereby the sole-edge and upper may be simultaneously operated upon.

In the present embodiment of my invention a heel-beading tool is shown as fixed to a rotating shaft, and the brush or cleaner is also fixed to the said shaft adjacent to the heel-beading tool, so as to act upon the upper adjacent to the sole and remove the stain or blacking with which said upper has been smeared, as above stated, or other dirt that may be on the upper.

The drawing shows in side elevation a machine for beading or finishing sole-edges or heel-seats and for cleaning the upper adjacent thereto.

The main shaft *a*, having its bearings in any

suitable frame-work—as, for instance, in the uprights *a'*, secured to a base, *a*²—has secured upon it a drive-pulley, *b*, in any usual manner. The shaft *a*, near its outer end, has secured to it a finishing or beading tool, *c*, and adjacent to said tool *c* the said shaft has fixed to it a brush, *d*, preferably of substantially the same diameter as the tool. The sole or heel edge of the boot or shoe stained or blackened in usual manner is presented to the action of the tool *c*, which operates, as usual, to finish or bead the said edges, while the rotating brush *d* at the same time wipes over the surface of the upper adjacent to the edge being acted upon by the said tool, removing all stain, blacking, dust, or other foreign material therefrom.

While I have herein shown the brush in combination with a heel-beading tool, I desire it to be understood that it may be used with any edge-finishing tool, to thereby simultaneously brush or clean the upper and finish the edge of the sole or heel; and, furthermore, the brush may be applied to any edge-finishing machine now employed in the manufacture of boots or shoes for the purposes stated.

I claim—

In a machine for finishing the edges and cleaning the uppers of boots and shoes, a rotating shaft and an edge-finishing tool carried by it, combined with a rotary brush for cleaning the upper adjacent to the sole, adapted to simultaneously act on the sole-edge and upper, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CARLETON F. LEIGHTON.

Witnesses:

JOHN P. CRESSY,
WILLIAM HASKELL.