

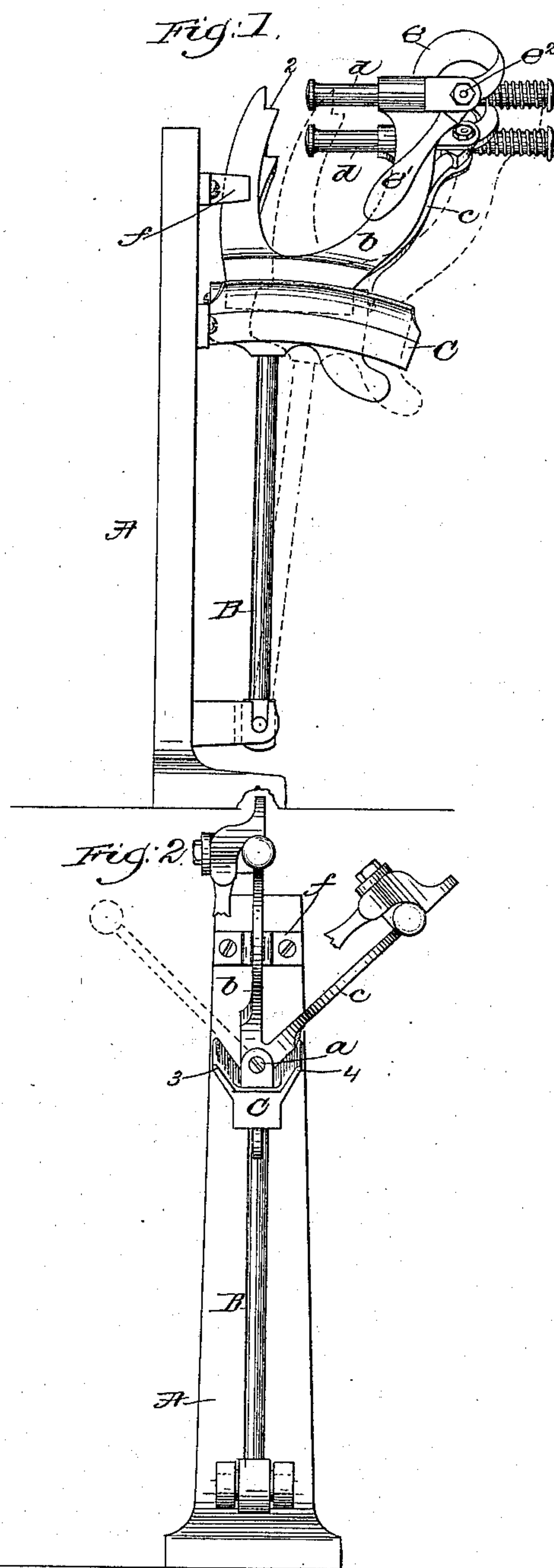
(No Model.)

C. J. ADDY.

HEEL BURNISHING MACHINE.

No. 383,934.

Patented June 5, 1888.



Witnesses  
Fred L. Emery.  
Thomas Hobday.

Inventor.  
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by Crosby Gregory  
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# UNITED STATES PATENT OFFICE.

CHARLES J. ADDY, OF MALDEN, MASSACHUSETTS, ASSIGNOR TO THE  
TAPLEY MACHINE COMPANY, OF PORTLAND, MAINE.

## HEEL-BURNISHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 383,934, dated June 5, 1888.

Application filed April 9, 1886. Serial No. 198,318. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES J. ADDY, of Malden, county of Middlesex, and State of Massachusetts, have invented an Improvement in Heel-Burnishing Machines, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention is an improvement upon that described in my application, Serial No. 190,455, filed February 1, 1886, and patented April 6, 1886, No. 339,511. In the patent referred to I have shown and described a jack having upon or forming a part of it two shoe-holders, whereby an operator, while the burnishing-tool is being actuated to burnish the heel of a shoe held in one holder, may supply to or jack a shoe in the other shoe-holder, thereby greatly economizing time. In the said patent the shoe-holders were made horizontally movable upon a jack, or the shoe-holders were arranged to slide horizontally upon a plate carried by the usual post or spindle which forms part of the jack.

In this my present invention the post has pivoted upon it a frame shaped to constitute two shoe-holders, so that by merely tipping the frame upon its pivot-point one and then the other of the shoe-holders may be placed in position to enable the heel of the shoe held by it to be acted upon by the usual tool carried at the end of the rocking arm common to the so-called "Tapley burnishing-machine."

Figure 1, in side elevation, represents a sufficient portion of a heel-burnishing machine to enable my invention to be understood, and Fig. 2 is a front elevation of Fig. 1.

The frame-work A, the post B, and the yoke C are and may be the same as in my application referred to, or substantially as in the well-known "Tapley burnishing-machine."

The tool for burnishing the heel and the mechanism for actuating it will in practice be the same as in the said patent, and therefore I have considered it unnecessary to illustrate the tool in this application.

The post B at a point above the yoke C has pivoted to it at *a* a frame having two upwardly-extending branches, *b c*, each of which constitutes a shoe-holder. In the drawings

these branches *b c* are made of somewhat U shape, as best shown in Fig. 1, one arm of each branch having mounted in it a spindle, *d*, substantially such as common to the Tapley burnishing-machine, the said spindle being actuated in one direction by a cam, *e*, forming part of a lever, *e'*, pivoted at *e''*, the said spindle entering the shoe and holding it firmly in place with the breast of the heel to be burnished in the notch 2.

The frame A at a point above the yoke C is provided with a fork, *f*, to receive one of the arms of each branch *b* or *c*, and act as a guide for the jack when the latter is being moved horizontally to and fro under the usual vibrating burnishing-tool, such movement of the jack enabling the heel to be carried in the direction of its length under the said tool.

As herein shown, the yoke C is provided at opposite sides with wings 3 4, the latter cooperating with the shoe-holding frame and constituting stops therefor.

In Fig. 2 the stop 4 is supposed to be operated while the branch *b* is being moved into the notch of the fork or guide *f*.

When the shoe held by the shoe-holder composed of the branch *c* is being acted upon by the usual burnishing-tool, then branch *b* rests against the stop 3, as represented by dotted lines in Fig. 3.

I do not desire to limit my invention to the precise form of stops shown, as the same might, it is obvious, be variously modified without departing from my invention.

In practice the jack will be moved horizontally, or to and fro, under the burnishing-tool in the direction of the length of the heel by mechanism substantially such as represented in my application referred to.

In this invention it will be noticed that the pivot upon which the frame having the branches to constitute shoe-holders is mounted is placed horizontally.

In the drawings I have shown the pivoted frame as having two branches to constitute two shoe-holders; but it is obvious that the pivoted frame might contain more than two branches or shoe-holders, and I therefore desire it to be understood that the frame may, if desired, have more than two shoe-holders.

I claim—



1. In a heel-burnishing machine, the combination, with the post or rod B, of a pivoted frame containing two or more upwardly extended branches, each of which constitutes a shoe-holder, the movement of the said frame upon its pivot enabling a shoe held by the said branches or shoe-holders to be placed in operative position with relation to the burnishing-tool, substantially as described.

2. In a heel-burnishing machine, the post or rod B, the yoke, and a frame pivoted thereon to vibrate about a horizontal pivot, and having two or more branches to constitute two or

more shoe-holders, combined with a guide to receive and guide the arms of one of the branches or shoe-holders as the jack is being moved horizontally, or to and fro, under the burnishing-tool, substantially as described.

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

CHARLES J. ADDY.

Witnesses:

G. W. GREGORY,

C. M. CONE.