

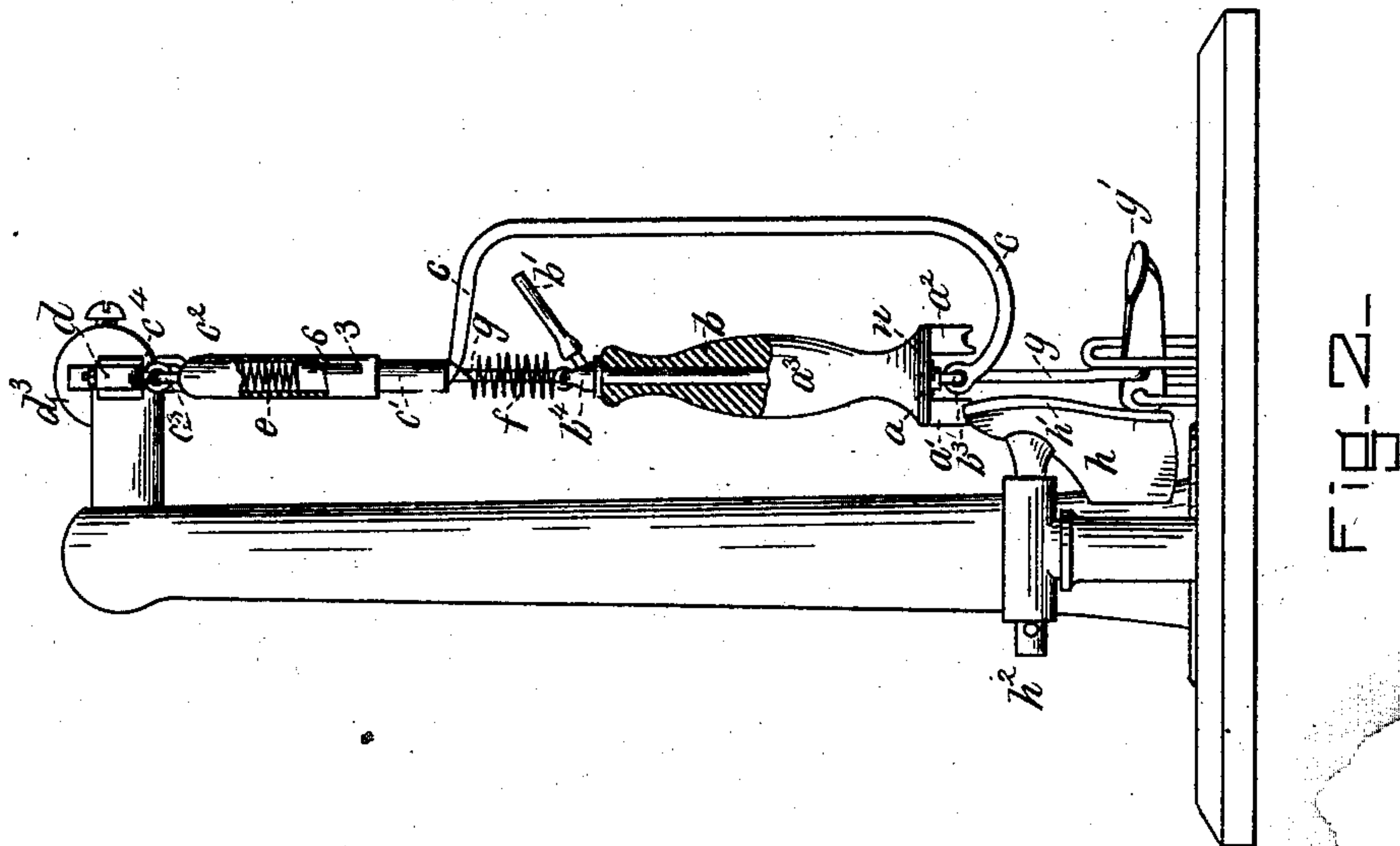
(No Model.)

C. J. ADDY.

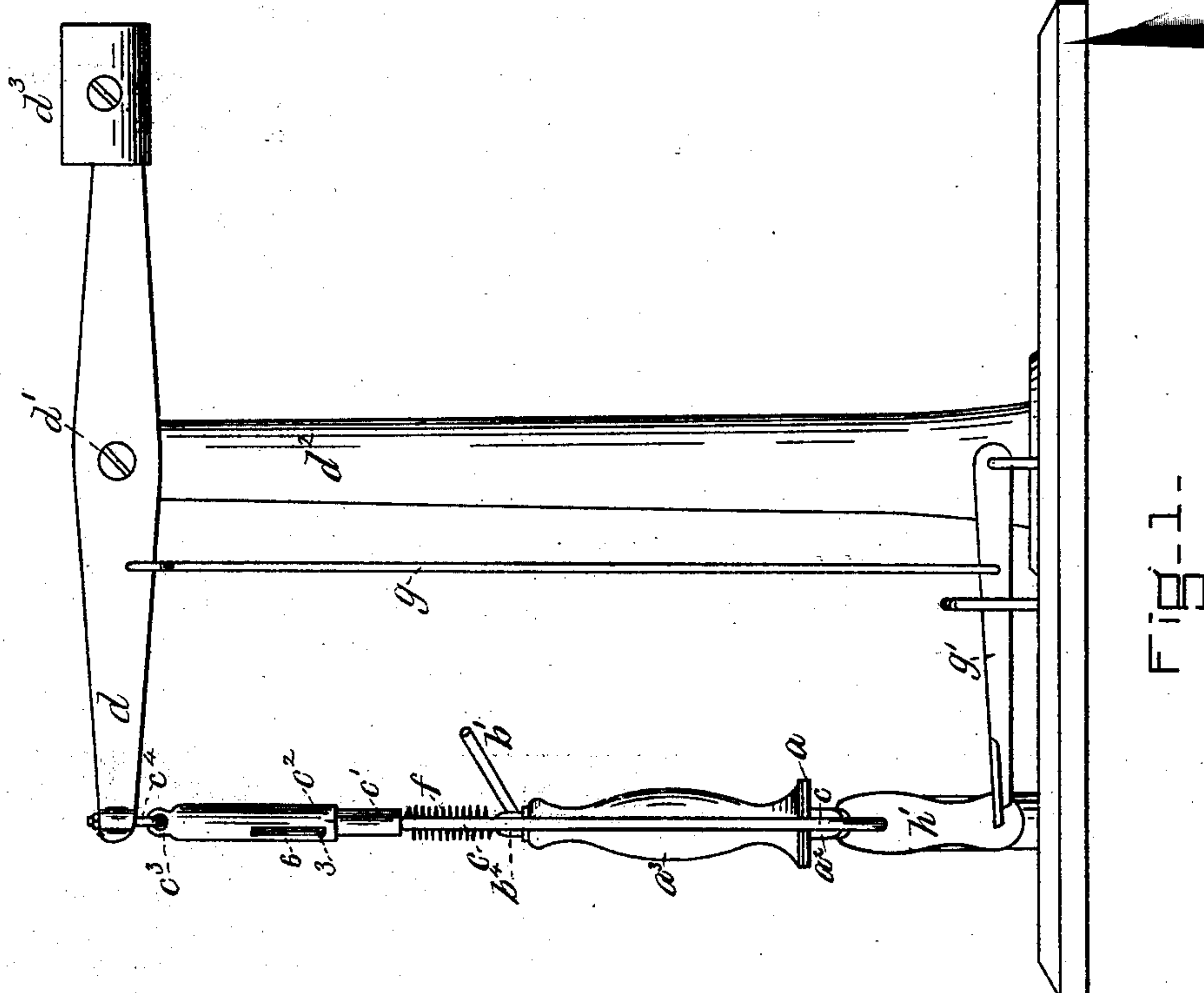
BURNISHING APPARATUS FOR BOOTS OR SHOES.

No. 275,452.

Patented Apr. 10, 1883.



North



100

WITNESSES.

Fred A. Powell.

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UNITED STATES PATENT OFFICE.

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BURNISHING APPARATUS FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 275,452, dated April 10, 1883.

Application filed December 8, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. ADDY, of Malden, county of Middlesex, State of Massachusetts, have invented an Improvement in
5 Burnishing Apparatus for Boots or Shoes, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention relates to a novel apparatus for burnishing the edges of soles and heels of boots and shoes.

In my invention I employ a hand-operated burnishing-tool mounted in a pivoted yielding frame or yoke under the control of the
15 hand and foot of the workman, he moving the tool backward and forward over the part of the shoe to be burnished, while he at the same time by his foot bears the face of the burnishing-tool with more or less force upon the edge
20 to be burnished.

Figure 1 represents in side elevation a burnishing apparatus embodying my invention; and Fig. 2, a front view thereof, partially in
25 section.

The burnishing-tool herein shown has its head *a* provided with the two edge-burnishing irons *a'* *a''*, connected with the handle *a'''*, placed loosely about a metal pipe, *b*, which enables the passage of gas therethrough from the flexible pipe *b'*, connected with a suitable reservoir holding gas. The ignited gas, issuing from an orifice, *n*, at the lower end of the pipe, heats the irons. The loose handle forms
30 the shank of the tool, to be grasped by the operator to move the tool. The lower end of the pipe *b* sustains a loop or eye, *b''*, which is engaged by a suitable loop or eye at the lower end of a suspended freely-moving frame or
35 yoke, *c*, having a shank, *c'*, fitted to a stem, *c''*, shown as having an eye, *c'''*, and pivoted upon an eye, *c''''*, of a lever, *d*, having its fulcrum at *d'* on a suitable support, *d''*, the lever being provided with a weight, *d'''*, to more or
40 less counterbalance the weight of the frame or yoke and burnishing-tool. A spiral spring, *e*, is placed between the shank *c'* and the stem *c''*, and to prevent the separation of the stem and shank a pin, *3*, in the shank enters a slot, *6*,
45 in the stem. The upper end of the pipe *b* has

an eye, *b''*, with which is engaged a spiral spring, *f*, attached to the yoke *c* to keep the handle of the tool in upright position. The lever *d* is connected by rod *g* with a foot-piece, *g'*, by which to depress or force down the frame
55 or yoke *c*.

The shoe *h* (the sole *h'* of which is to be burnished) will be placed upon any usual jack, so that it may be rotated about a horizontal axle, *h''*, to enable all parts of its edge to be
60 presented uppermost to be acted upon by the burnishing-iron of proper shape. The burnishing-iron having been placed upon the edge of the sole, as in the drawings, and the operator, having grasped the handle *a'''* in his
65 hand, will place his foot on the foot-piece, turn the lever *d* until its end depresses the stem *c''*, causing the spring *e* therein to act upon the end of the shank *c'* and force it and the yoke
70 *c* and tool downward by a yielding pressure, which is made more or less strong by the action of the foot of the operator on the foot-piece. As the tool is vibrated by hand the jack or shoe will be rotated by hand, and the
75 hand-operated tool will be pressed against the sole-edge by a force measured by the pressure of the foot on the foot-piece, thus enabling the operator to burnish a sole-edge with less fatigue and in a better manner than with a burnishing-iron held in the hand and pressed
80 against the sole by hand. The loosely-pivoted stem *c''* forms part of the yoke or frame.

My apparatus, with an iron of suitable shape, may be used to burnish heels.

I may, if desired, connect the upper instead
85 of the lower end of the pipe *b* with the frame *c*, the frame then pushing the pipe and tool down rather than pulling them down, the spring *f* in such plan being omitted.

The handle and its connected head and at-
90 tached tools, being loose on the pipe *b*, may be rotated thereon to place either tool in position to act upon the sole-edge, the said pipe also serving as a conductor for gas or other heating medium as well as a support for the handle. 95

I do not broadly claim a burnishing-tool and a lever to regulate the amount of pressure of the tool against the edge of the boot or shoe.

I claim—

1. The lever, and the suspended freely-mov- 100

ing yoke or frame having an interposed spring,
and the burnishing-tool connected with or sus-
tained by the said frame, and adapted to be
grasped and moved by the hand of the operator
5 over the sole or edge to be burnished, combined
with a connected foot-piece to receive the foot of
the operator and regulate the amount of press-
ure of the iron of the burnishing-tool upon the
part of the boot or shoe being burnished, sub-
10 stantially as shown and described.

2. The handle, and its connected head pro-

vided with one or more tools, and the pipe *b*,
on which the handle is mounted to turn, com-
bined with the suspended freely-moving yoke
or frame, substantially as described. 15

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

CHARLES J. ADDY.

Witnesses:

G. W. GREGORY,

BERNICE J. NOYES.