

(No Model.)

C. J. ADDY.
BOOT OR SHOE HOLDING JACK.

No. 362,347.

Patented May 3, 1887.

Fig. 1.

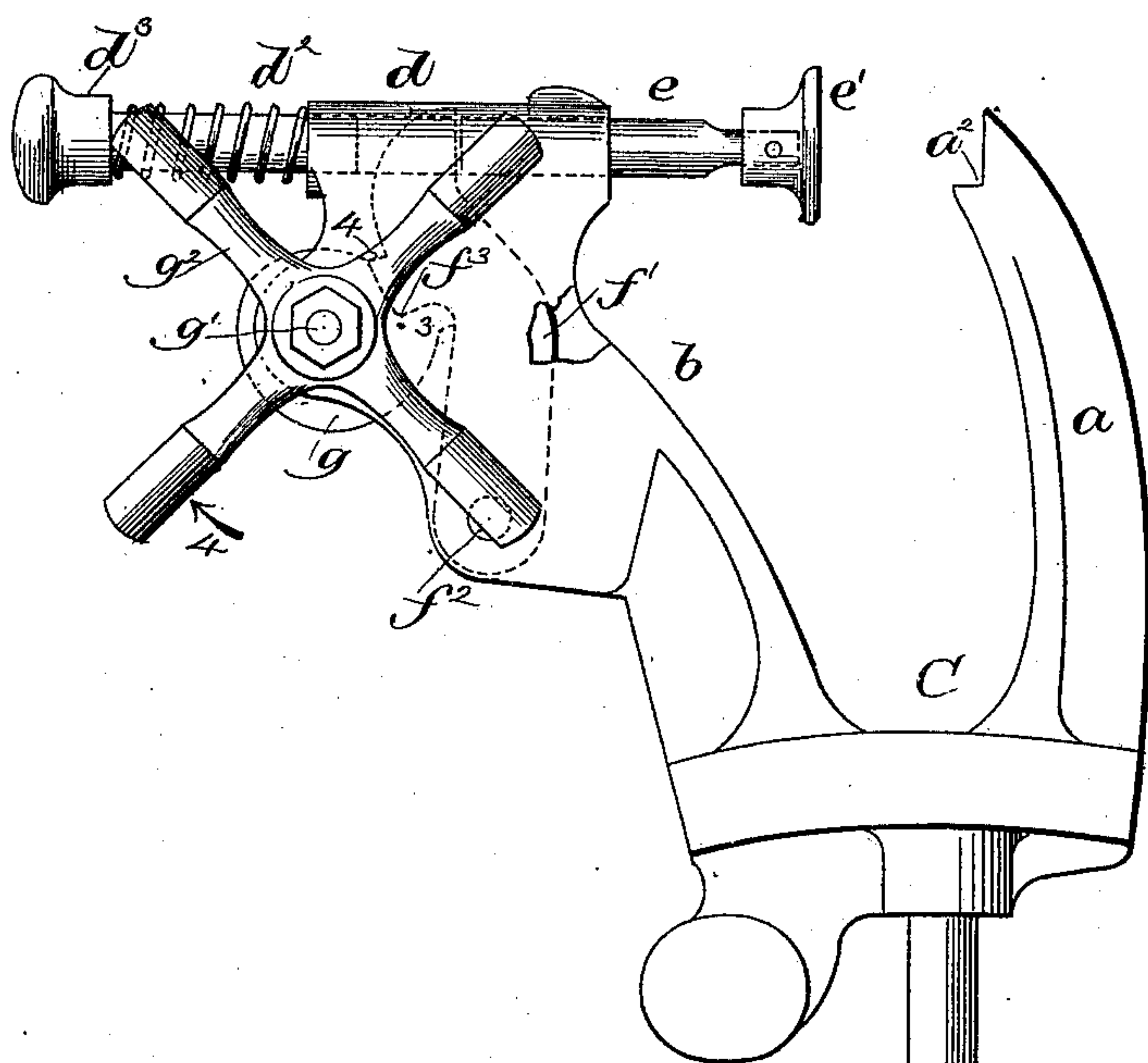
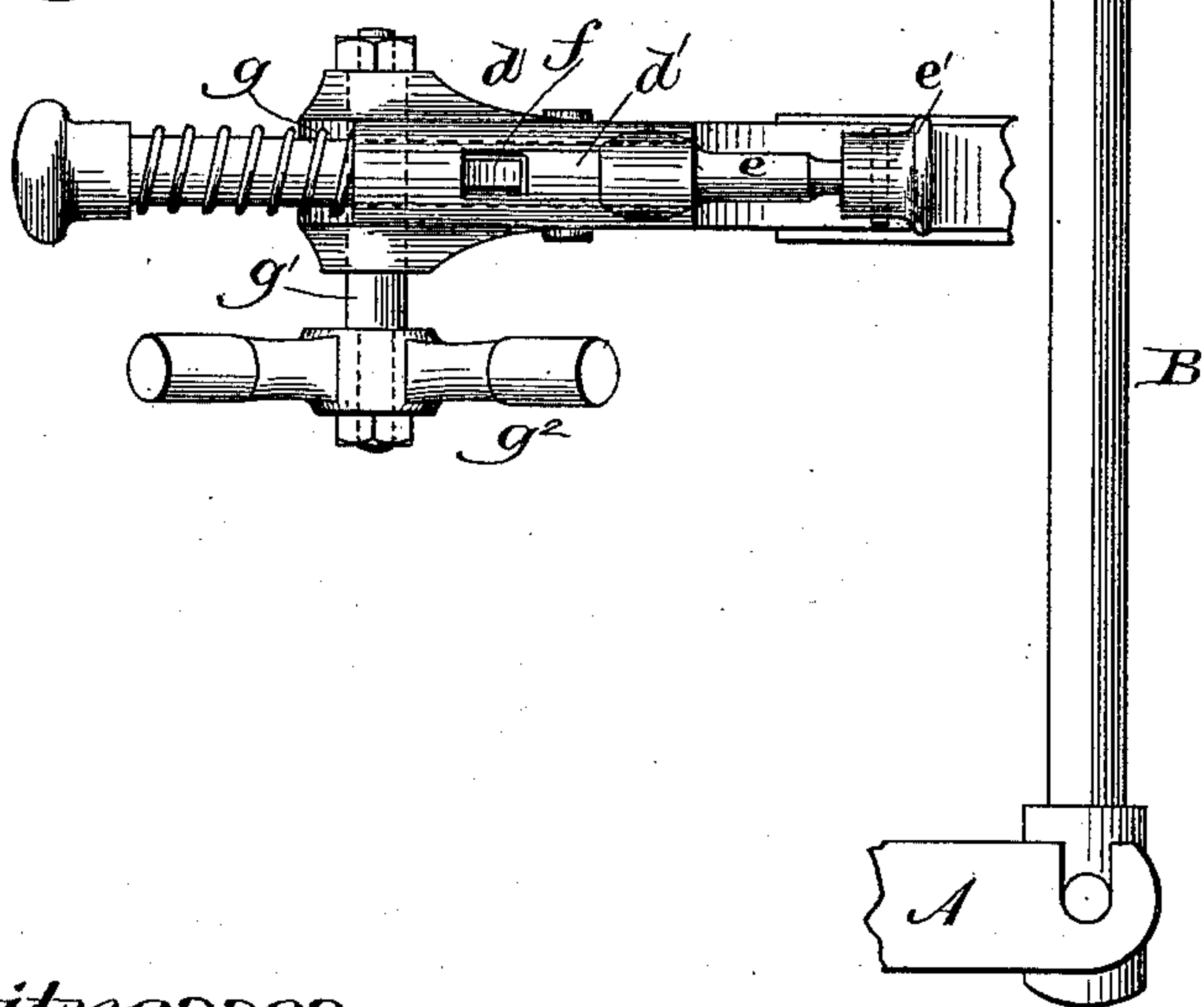


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

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BOOT OR SHOE HOLDING JACK.

SPECIFICATION forming part of Letters Patent No. 362,347, dated May 3, 1887.

Application filed March 1, 1887. Serial No. 229,296. (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
5 in Boot or Shoe Holding Jacks, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to improve,
10 simplify, and strengthen jacks, especially those employed in machines for burnishing the heels of boots or shoes.

In accordance with this invention, the spindle of the clamp entering the shoe is operated
15 by a lever and cam, both the lever and cam having a projection which co-operates to arrest the movement of the cam on the arrival of the lever in each of its extreme positions.

Figure 1 in side elevation represents a sufficient portion of a jack of the kind used in
20 what is known the "Tapley Burnishing-Machine" to enable my invention to be understood, and Fig. 2 is a plan view of Fig. 1.

The foot-step A, the rod B, and the arm *a* of
25 the U shaped or forked head C are common to the Tapley burnishing-machine. The arm *b* of the head C is provided with a suitable box or sleeve, *d*, slotted at its upper side, as at *d'*. (See Fig. 2.) This box or sleeve receives and
30 forms a guide for the spindle *e*, which enters the shoe, the said spindle having the pivoted foot or end piece, *e'*, to bear against the inner side of the shoe over the heel thereof, the top-lift end of which rests in the notch or seat *a*².
35 The spindle is surrounded by a spiral spring, *d*², which, acting against the box *d* and the head *d*³ of the spindle, normally holds the latter retracted from the rest *a*². The spindle is slotted or notched, as at *f*, to receive the upper end of
40 the spindle-actuating lever *f'*, pivoted at *f*². The lever *f'* has a heel or projection, *f*³, shaped substantially as shown by dotted lines, Fig. 1, to form two shoulders, which act as stops to

arrest the rotation of the scroll-cam *g*, employed to move the said lever in the direction
45 to clamp a boot or shoe. The cam *g* is secured to a short shaft, *g'*, to which is secured a hand-wheel, *g*².

In Fig. 1 the toe 3 of the scroll-cam *g* is shown as engaging the lowermost shoulder of
50 the heel *f*³ of the lever *f'*, and the spindle is retracted.

When it is desired to actuate the spindle to clamp a boot or shoe to be burnished, the hand-wheel *g*² will be turned in the direction of the
55 arrow 4, Fig. 1, which moves the cam *g*, causing it to act upon the heel *f*³ and move the lever *f'* forward positively and with great power, and finally the projection 3 of the cam meets the shoulder 4 of the lever *f*, when the
60 further movement of the cam in that direction is arrested.

I claim—

1. In a jack for holding boots or shoes, the spindle, its box or guide, and the spindle-actuating lever, combined with a cam to move the
65 said lever, substantially as described.

2. The jack-head and spindle and lever to move it, provided with a heel having a projection, combined with a cam having a projection,
70 3, to be arrested by the shoulders of the said heel, substantially as described.

3. In a jack for holding boots or shoes, the spindle, its box or guide, and the spindle-actuating lever, combined with a cam to move the
75 said lever and with the hand-wheel to move the shaft carrying the said cam, substantially as described.

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

CHARLES J. ADDY.

Witnesses:

BERNICE J. NOYES,
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