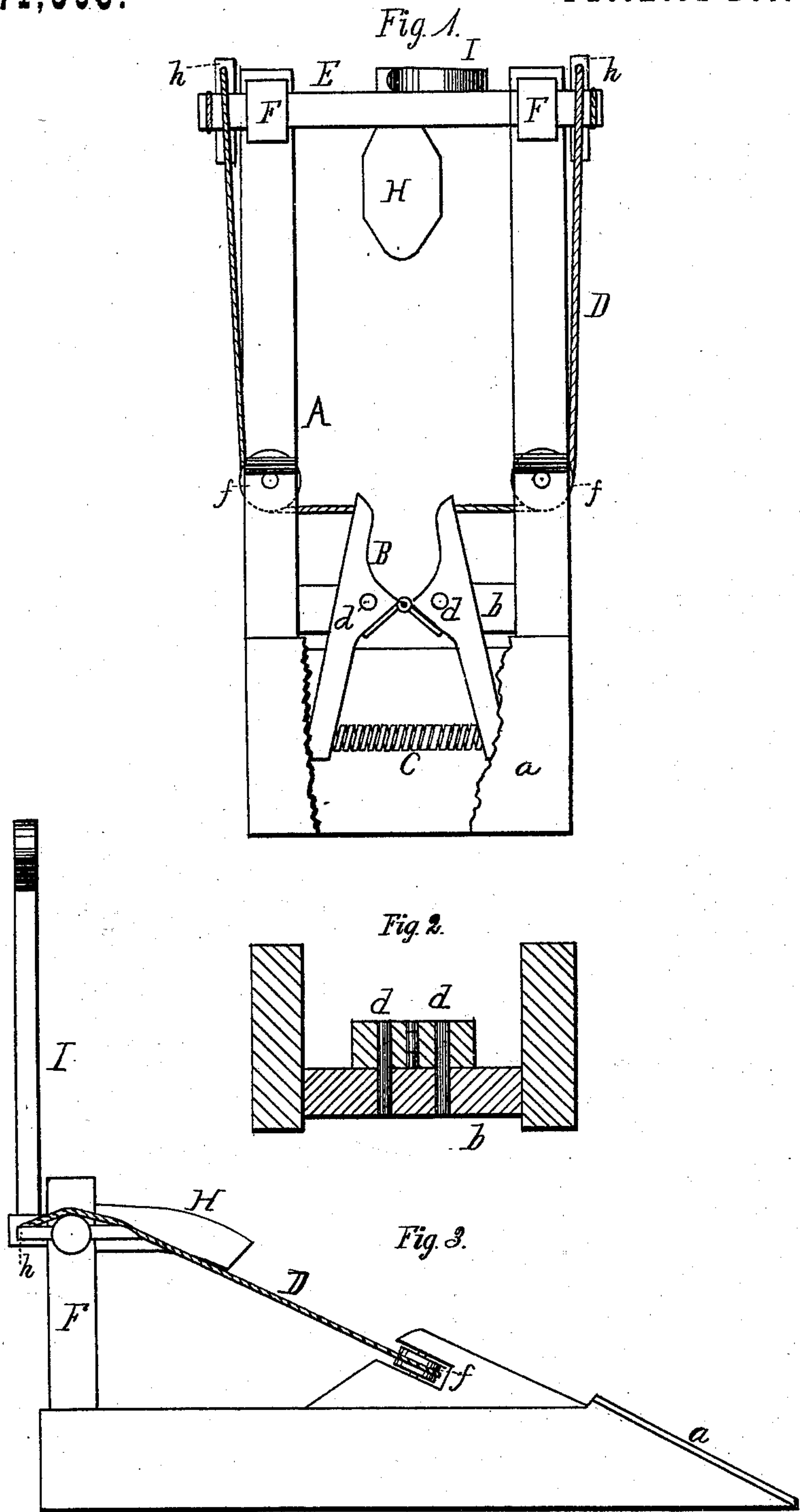


I. MASSIE.
BOOT-JACKS.

No. 171,398.

Patented Dec. 21, 1875.



WITNESSES -
Chas. C. Gill
M. J. Martin

INVENTOR -
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by his Atty.
Geo. W. Coe.

UNITED STATES PATENT OFFICE

ISAAC MASSIE, OF IRONTON, OHIO.

IMPROVEMENT IN BOOT-JACKS.

Specification forming part of Letters Patent No. **171,398**, dated December 21, 1875; application filed October 30, 1875.

To all whom it may concern:

Be it known that I, ISAAC MASSIE, of Iron-ton, Ohio, have made new and useful Im-provements in Boot-Drawers, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to a device for remov-ing boots and shoes; and consists in the im-plement hereinafter more fully described.

The object of the invention is to supply a convenient device by means of which a boot or shoe may be drawn from the foot.

Figure 1 is a top elevation of a device em-bodying the elements of the invention. Fig. 2 is a detached section, showing the pivots *d*. Fig. 3 is a side elevation.

A in the accompanying drawings is the frame of the device, which is properly braced, and at its rear suitably inclined to support the bridge *a*, upon which the operator stands. The brace *b* is properly recessed at its center and placed on the frame below and in front of the bridge *a*, and has mounted upon it the pivots *d* of the jaws B, which are hinged to-gether and have their rear ends connected by the spiral spring C, which, pressing the rear ends of the jaws outward, give the front ends a pressure toward each other. The cords D are connected to the front ends of the jaws B, whence they pass about the pulley-wheels *f*, secured in an oblique position on the edge of the frame. Extending upward and forward, the cords pass over the ends of the grooved arms *h*, secured at their other ends to the axle E, to which, also, the ends of the cords are at-tached. The axle E is mounted on bearings in the tops of the standards F, the bases of which are secured near the front of the frame, the axle being enlarged between the standards and its center, having the tongue H, which projects rearward and slightly downward

toward the jaws B, its front extremity pass through the axle and provided with the ver-tical lever I, the upper end of which is in-tended to be within convenient reach of the operator's hands. The operator, stand-ing upon the bridge *a*, forces the lever I for-ward. This rotates the axle E, elevating the tongue H and the grooved arms *h*, tightening the cords D, and thus expanding the jaws B. That portion of the boot immediately above the heel is now placed between the jaws B, the toe of the boot being inclined somewhat downward, when the lever I is allowed to assume its vertical position, which allows the jaws to close upon the counter of the boot, the tongue H descending upon the toe there. It is obvious that by drawing upon the handle the boot may be readily removed, as the pressure upon the toe greatly facilitates the operation.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The jaws B and spring C, in combination with the cords D, axle E, and lever I, substantially as specified.

2. The combination of the tongue H, axle E, lever I, cords D, and jaws B, substantially as stated.

In testimony that I claim the foregoing im-provements in boot-drawers, as above de-scribed, I have hereunto set my hand and seal this 8th day of October, 1875.

ISAAC MASSIE. [L. S.]

Witnesses:

WILLIAM S. SIPON,

his
JACOB X LOPER,
mark.

his
HENRY X SHERMAN,
mark.
THOMAS V. SIPON.