(No Model.)

G. H. CLARK.

LASTING JACK.

No. 384,891. Patented June 19, 1888.

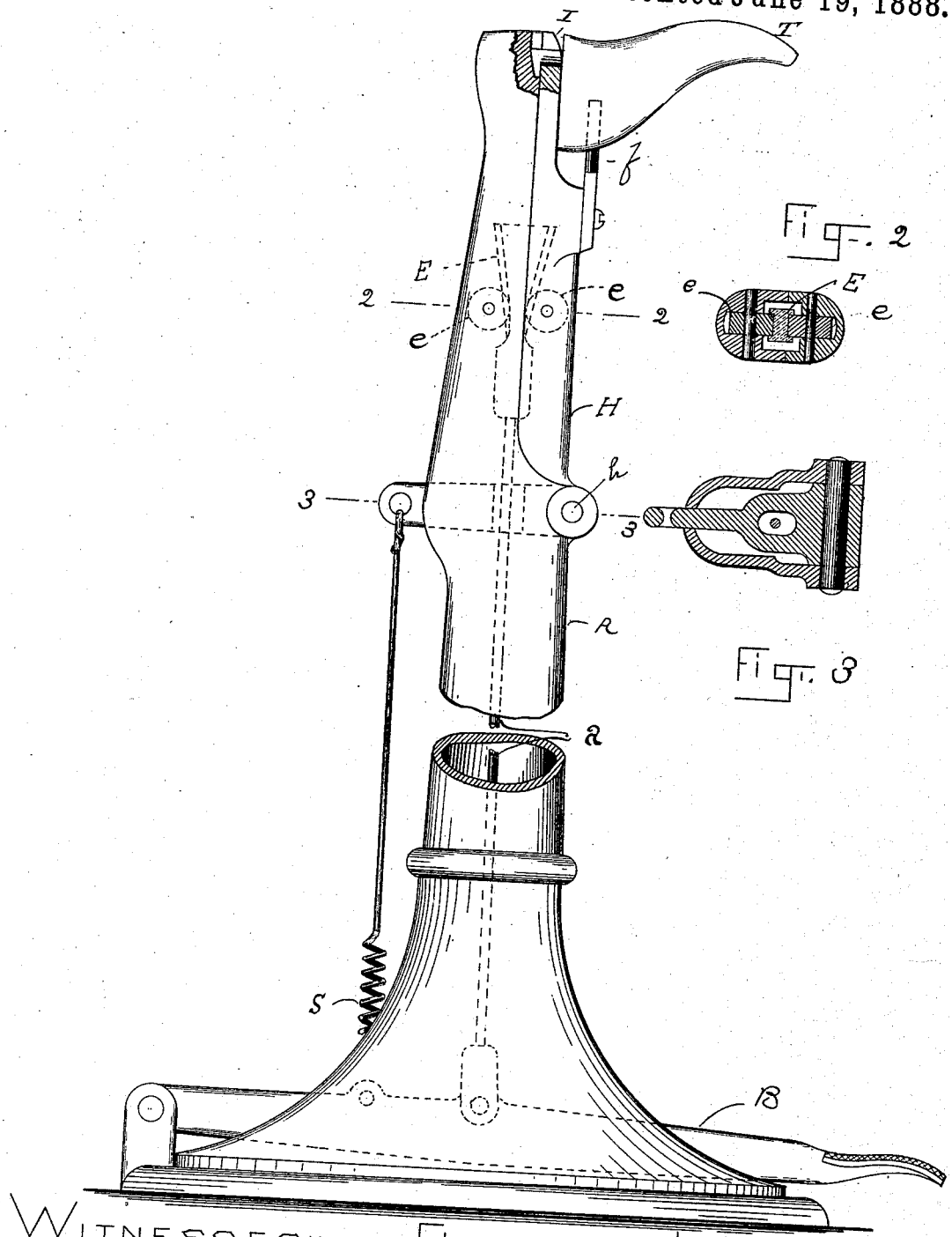

Fig. 1

Fig. 2

Fig. 3

WITNESSES:
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GEORGE H. CLARK, OF BOSTON, MASSACHUSETTS.

LASTING-JACK.

SPECIFICATION forming part of Letters Patent No. 384,891, dated June 19, 1888.

Application filed September 19, 1887. Serial No. 250,060. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. CLARK, of Boston, in the county of Suffolk and Commonwealth of Massachusetts, have invented certain Improvements in Relasting-Machines, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to mechanism for relasting boots and shoes, and the nature thereof is herein fully described, and then specifically pointed out in the claims.

Referring to the drawings, Figure 1 is a side elevation of the machine embodying this invention. Fig. 2 is a plan view of a section on line 2 2. Fig. 3 is a plan of a section on line 3 3.

A designates the frame-work or column of the machine, which is preferably made hollow to receive the rod *a*, as shown in Fig. 1. Said rod connects at its bottom end with a pivoted treadle-lever, B, and carries on its top end the wedge E. Said wedge E operates between the anti-friction wheels *e e*, one of which is arranged in the column A and the other in the lever H, as shown. Said lever H is pivotally connected to the column A at *h*, and forms substantially a part thereof, and a downward movement of the wedge E forces the lever forward away from the column, and thus separates the parts. The downward movement of the wedge is effected by depressing the lever B, and when the depressing-power is removed the lever is lifted and brought back into place by means of the spring S.

The lever H is provided with an open groove or slot, I, in its top end, as shown in Fig. 1, to receive the tang of the fore-part last T. This tang *t* is provided on its end with a downwardly-projected lip, *y*, as shown, and the last is put in position by dropping the shank of the tang into the groove in the top of the lever H and depressing it therein until the lever is inserted between the head of the tang and the face of the last, to keep the last extended in a horizontal position, as represented. The column A is projected upward and fashioned to form the heel and rear portion of the jack.

In operation the workman takes the fore-part last T, and places it in the machine in position, as represented in Fig. 1. He then takes the boot or shoe (which has previously been lasted by the usual process and the upper and soles united together) and draws it down over the jack, and then places one foot upon the lever B and depresses it, thereby forcing the fore-part last T forward into the shoe. He then lifts the shoe, and with it the fore-part last T, thereby detaching it from the lever H, and the shoe may then be carried about and the work of manufacturing the shoe completed while the fore-part last remains in the shoe, to prevent the upper from being crushed and to impart shape and style to the intended shoe.

In some cases it may be desirable to use a pin, *f*, as shown in Fig. 1, to prevent the last T from being twisted out of position while being forced into the shoe. I have therefore represented the manner of using such a pin; but in most cases I think it will not be necessary, and wherever practicable I prefer to do without it altogether.

I claim—

1. In combination, a supporting-column having a fixed and movable part, the fixed part forming or carrying the heel portion, and a fore-part last detachably connected to the movable part of the standard, the movable part having separating movement in relation to the fixed part, whereby the fore-part last is forced into the shoe by this movement and retained therein when the shoe is lifted from the column, substantially as described.

2. In combination, a supporting-column having a fixed and a movable part, the fixed part forming or carrying the heel portion and having a slot in its end, a fore-part last having a tang and head adapted to engage with the slot in the fixed portion, the said last being supported by the movable part, said movable part of the column having separating movement in relation to the fixed part, whereby the fore-part last may be forced into the shoe and retained therein when the shoe is lifted from the column, substantially as described.

3. In combination, the column having fixed and movable parts, one forming the heel and the other carrying a vertically-detachable fore-part last, a wedge arranged to separate the parts of the column, a rod connecting the wedge and treadle, and a retracting-spring, substantially as described.

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