E. Everson,

Pegging Jack.

No. 29,257. Patented July 24, 1860.

Fig. 3

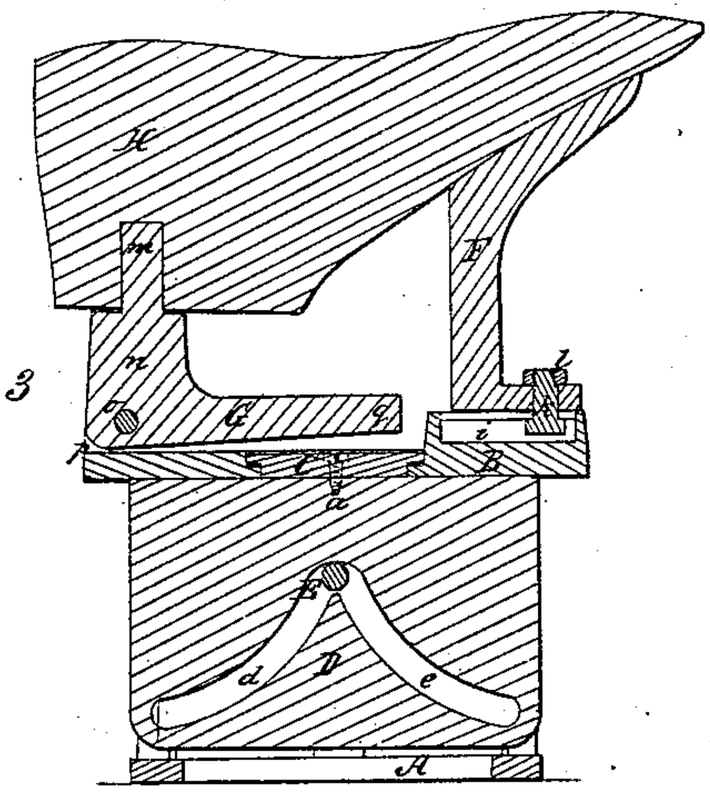


Fig. 4

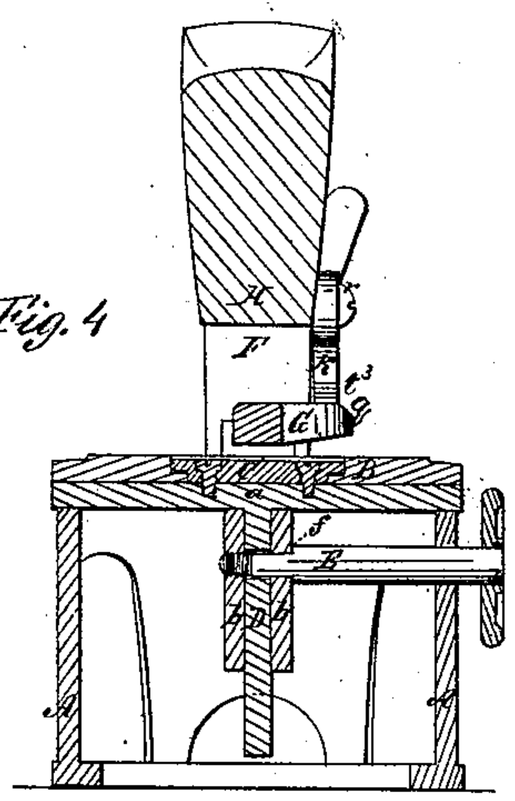


Fig. 1

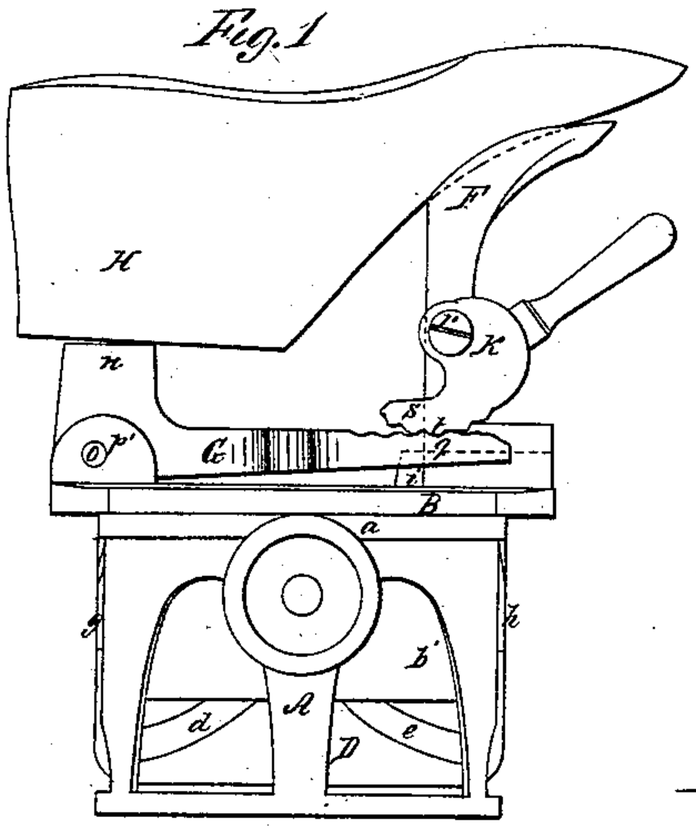


Fig. 5

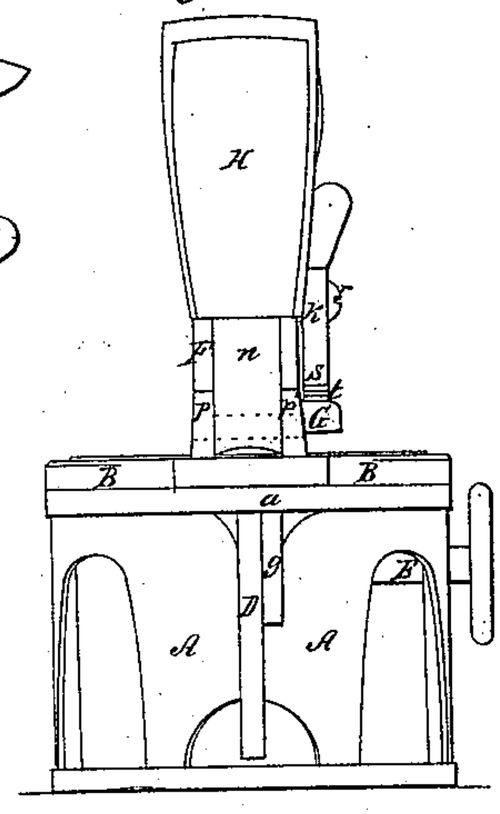
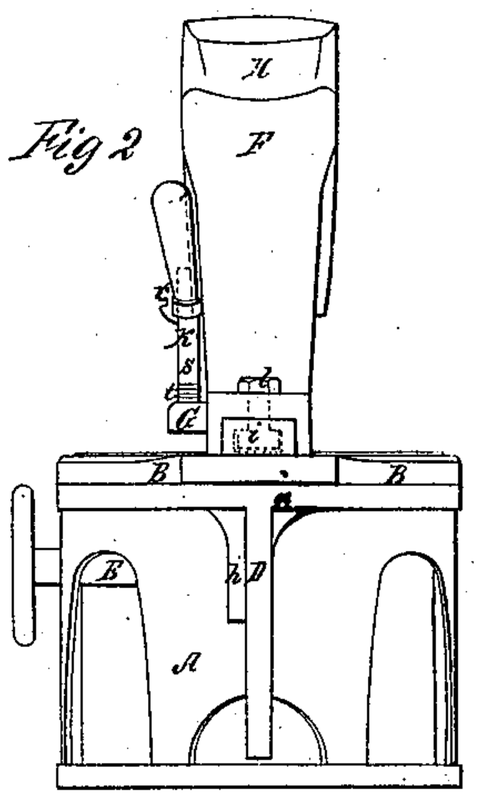


Fig 2



Witnesses;
R. Moody
T. P. Hale Jr

Inventor;
Ephraim Everson

UNITED STATES PATENT OFFICE.

EPHRAIM EVERSON, OF HAVERHILL, MASSACHUSETTS.

PEGGING-JACK.

Specification of Letters Patent No. 29,257, dated July 24, 1860.

To all whom it may concern:

Be it known that I, EPHRAIM EVERSON, of Haverhill, in the county of Essex and State of Massachusetts, have invented an Improved Pegging-Jack or Last-Holder; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

Figure 1 is a side elevation; Fig. 2, a front end elevation; Fig. 3, a vertical and longitudinal section; Fig. 4, a vertical and transverse section, and Fig. 5, a rear end view of it.

The nature of my invention or improvement consists in an arrangement of two quadrantal slots with the clamp screw and plates of the last carrier the same being for the purpose of enabling the last carrier to be turned over in a plane either to the right or the left as circumstances may require; also, in the arrangement or application of slipping and holding teeth on both the cammed lever and heel stud lever in combination with the application of the toe rest to the base plate so as to be adjustable or movable thereon either toward or away from the heel rest; also, in an arrangement of two studs or bearers with the said curved slots and clamp screw.

In the drawings, A represents the supporting frame, and B the base plate of the machine. The said base plate is a circular annulus which rests on a movable cap plate *a*, supported on the frame A. The plate B is maintained in place on the plate *a* by and so as to be capable of turning on a concentric dovetailed or overriding plate, C, which is secured to the plate *a*.

The frame A has two vertical clamp plates *b*, *b′*, which are arranged so as to receive between them another plate D, which projects downward from the plate *a*, and is furnished with two quadrantal curved slots *d*, *e*, arranged in it as shown in Fig. 3. A clamp screw E extends through the plate *b* and either of the slots and is screwed into the plate *b*, such clamp screw being provided with a shoulder *f*, to bear against the plate *b*. By screwing up the clamp screw, the two plates *b* and *b′* will be drawn together and upon the intermediate plate D the elasticity of the frame being sufficient to allow of the requisite movements of the plates. Both slots at their upper ends open into each other so as to permit the clamp screw to pass from one into the other. Furthermore, there is on opposite sides of the frame A two studs or bearers *g*, *h*, arranged as shown in the drawings. Their office will be hereinafter explained.

The bed plate B carries a toe rest F and a heel stud lever G. The former slides on a rail or projection *i*, and is provided with a clamp screw and nut as shown at *k*, *l*, for securing it in position, the whole being so as to enable the toe rest to be adjusted with reference to the heel stud *m* or its distance therefrom. The said heel stud *m* extends upward from the shorter or upright arm *n* of the bent lever G, and enters the rear part of a last H, when the latter is applied to such heel stud and the toe rest as shown in the drawings. The fulcrum *o* of the lever is sustained by ears *p*, *p′*, extending upward from the base plate B, the longer arm *q* of the lever being carried toward and alongside of the toe rest and furnished on its upper surface with a rack or series of slipping and holding teeth, each of which is formed with two inclined faces as shown in Fig. 1.

A cammed lever K, having its fulcrum *r*, projecting from the toe rest is arranged over the longer arm of the lever G, as shown in the drawings, the lower edge or periphery of the cam *s* being also provided with slipping and holding teeth arranged upon it as shown at *t*. By laying hold of and raising the handle of the cammed lever so as to cause the cam to bear on and depress the longer arm of the aforementioned lever G the teeth of one will slip on those of the other until the lever is estopped by the resistance of the shoe last while borne down upon the toe rest. This having taken place, the teeth will maintain the parts in position under any jar or percussive action of the blows of a hammer on a last or a shoe thereon. Were there to be no adjustment of the toe rest as specified, it is evident that a single tooth on the heel rest lever would suffice to operate with the toothed cam of the cammed lever, but as in consequence of the changes in place to which the cam lever is necessarily subjected by reason of the said adjustments of the toe rest relatively to the heel stud in order to adapt the machine to a

last of any ordinary size, a series or rack of teeth becomes necessary for the longer arm of the lever G.

While the reversed quadrantal slots *d*, *e*, admit of the tipping movement (either to the right or left) of the plates B and *a* with the parts over them one of the two stops or bearers *g*, *h*, constitutes a rest for the support of the periphery of the plate *a*, when the plates are brought up into a vertical position such stop coöperating with its next adjacent slot and with the clamp screw in supporting the bed plate, its operative parts and the shoe last.

I do not claim in combination with a clamping screw or device, a curved arm or a plate having a single curved slot; nor do I claim operating the heel lever by means of a cammed lever or its equivalent; nor do I claim a ball and socket joint as commonly constructed and used.

I claim—

1. The arrangement of the two curved slots *d*, *e*, of the plate D, with the clamp screw and its plates the same being for the purpose specified.

2. The arrangement of the slipping and holding teeth of the cammed and heel stud levers in connection with the toe rest so applied to the base plate as to be adjustable with reference to the heel rest as specified.

3. The arrangement of the two studs *g*, *h*, with the two reversed quadrantal slots, the clamp screw and its plates.

In testimony whereof, I have hereunto set my signature.

EPHRAIM EVERSON.

Witnesses:
WM. TAGGART,
GEO. E. EVERSON.