

(No Model.)

F. W. STONE.

JACK FOR BOOTS OR SHOES.

No. 372,279.

Patented Oct. 25, 1887.

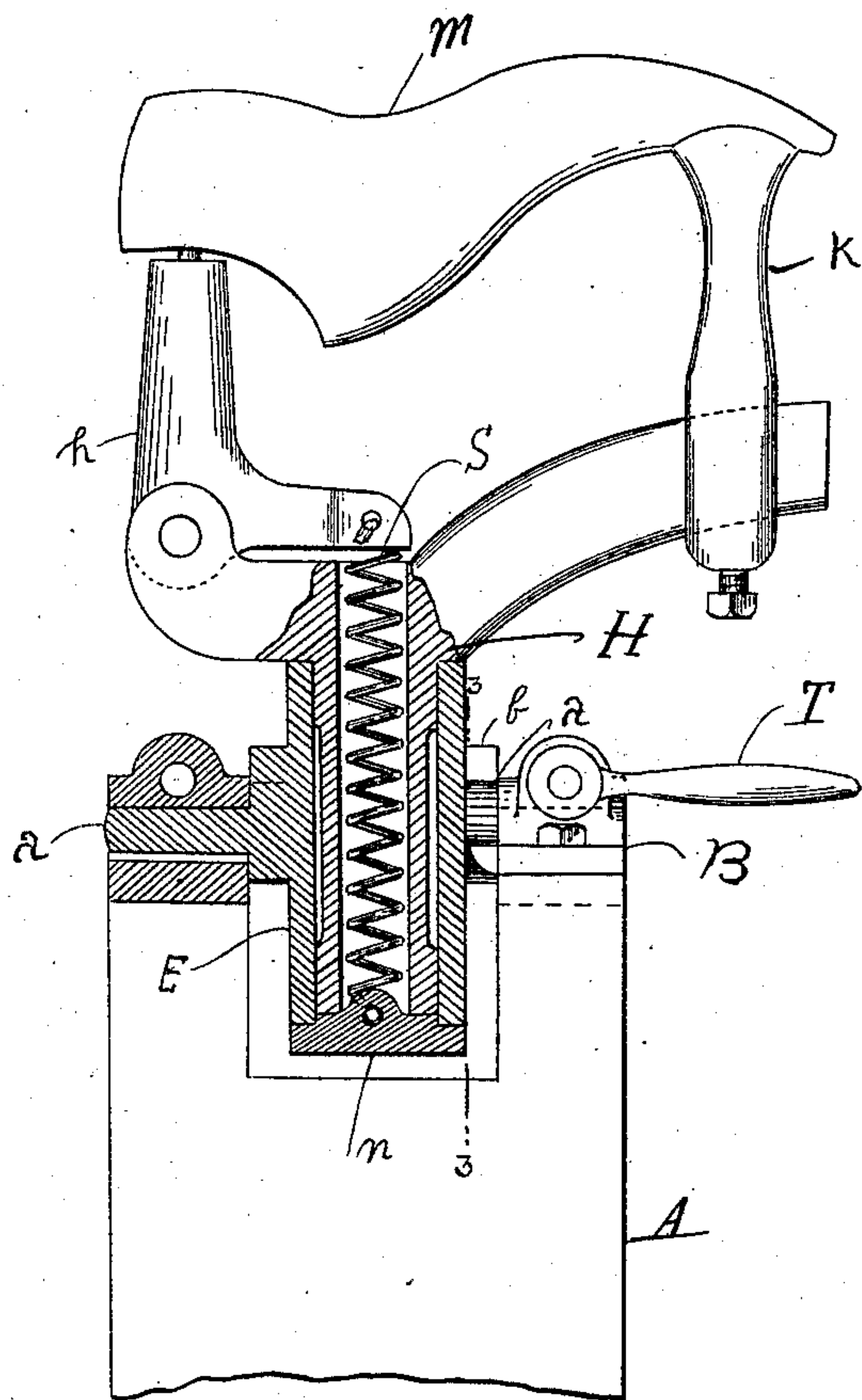


Fig. 1.

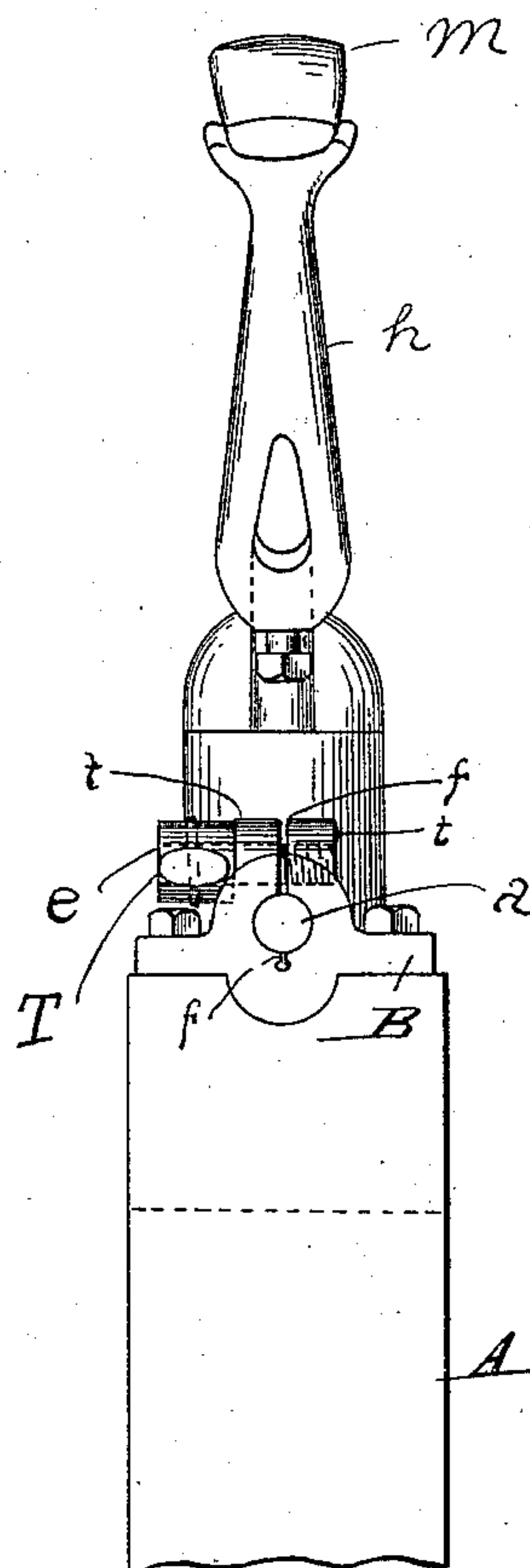


Fig. 2.

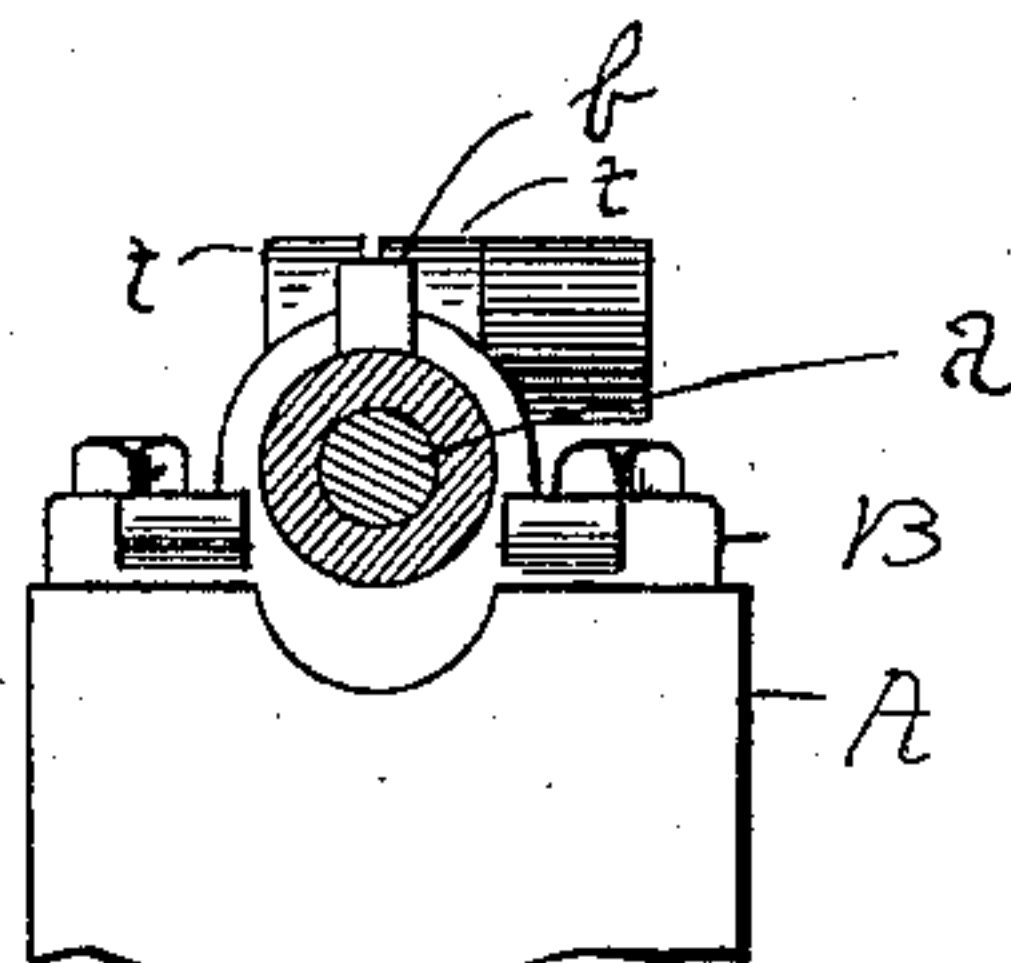


Fig. 3.

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UNITED STATES PATENT OFFICE.

FRANK W. STONE, OF LYNN, MASSACHUSETTS, ASSIGNOR TO GUSTAVUS AUSTIN, OF SAME PLACE.

JACK FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 372,279, dated October 25, 1887.

Application filed April 13, 1887. Serial No. 234,651. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. STONE, of Lynn, in the county of Essex and Commonwealth of Massachusetts, have invented certain Improvements in Jacks for Holding Boots or Shoes, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to jacks for holding boots or shoes during the operation of manufacture, and particularly during the operation called "lasting." The nature of the invention will be fully described and specifically claimed hereinafter.

Referring to the drawings, Figure 1 is a sectional elevation of one side. Fig. 2 is a rear end elevation of the same. Fig. 3 is a section on line 3 3, looking toward the right.

The supporting post or column A has upon its top end a cap, B, which is firmly secured to the post and provided with sockets or journals to receive the trunnion-arms *a a*. Said arms are lateral extensions from the vertical sleeve E, and permit turning in their sockets in the cap B, so as to allow movement of the sleeve from the vertical to an inclined position. The sleeve E is bored out to receive the end or tang of the block H, which block H has on one end the toe-rest *k* and on its opposite end the heel-block *h*. Said block *h* is pivotally connected, as shown, to the block H and carries on its top end the last *m*. It is also connected to one end of spring *s*, the opposite end of which spring is attached to the plate *n*. The tension of the spring is exerted in rocking forward the heel-block, and consequently holding the last pressed down upon the toe-rest *k*.

The supporting-block H is formed with a shoulder to bear upon the top end of sleeve E, to the end that stability and power of resisting a downward blow may be imparted to the jack. In operation the shoe is placed upon the last *m*, and in many cases, as in the process of lasting, tacks are driven into the shoe by a blow from above down upon the last, and the quality of stability and power to resist the blow is very useful in effecting

the driving of the tacks. This quality is largely augmented by supporting the sleeve E upon trunnions *a a* and allowing the supporting-block H to bear solidly upon the sleeve, as shown in Fig. 1.

It is often desirable to tip the last from the vertical to an inclined position. To this end the trunnions *a a* turn in their bearings, as before stated. It may also be desirable to lock the jack and hold it in the inclined position. To this end I provide the cap B with upwardly-projecting bosses or lugs *t t*, and give it a slot or groove, *f f*, so that by drawing together the lugs I cramp and clamp the trunnion *a* and hold it firmly, and thus both hold and lock the jack and also increase the rigidity of the whole jack mechanism. To effect the closing together of the lugs *t t*, I employ a pin, *e*, which turns loosely in one lug and engages a screw-thread in the other, as shown. It may be operated by a suitable handle, T, all of which mechanism is plainly shown in Fig. 2.

The turn or inclination of sleeve E is limited by a stud-pin, *b*, that extends from the trunnion *a* and comes upon the cap B whenever the jack is sufficiently inclined.

The matter shown herein, but not claimed, will be found in other pending applications filed in the United States Patent Office on the 17th and 28th of February, respectively, being numbered 227,905 and 229,154.

I claim as my invention—

1. The combination, in a pegging-jack, of the supporting-column A, the cap B, mounted thereupon and provided with suitable bearings, the sleeve or socket E, provided with trunnions adapted to the bearings of the plate B, and a last-supporting mechanism adapted to be held by the sleeve E, substantially as described.

2. The combination, in a pegging-jack, of the supporting-column A, the cap B, mounted thereon and provided with suitable bearings, the sleeve or socket E, provided with trunnions adapted to the bearings of the plate B, clamping devices for the trunnions for holding the sleeve in any desired position,

and the last-supporting mechanism adapted to be held by the sleeve E, substantially as described.

5 3. In a jack-mechanism of the construction substantially as described, the supporting-column A and cap B, having projections or bosses *t t* and adapted to receive the trunnions *a a*, and the screw *e*, for closing together

the projections and thus clamping and locking the trunnions, substantially as and for the purposes described. 10

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Witnesses:

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