

(No Model.)

A. R. KNADLER.
STITCHING JACK.

No. 551,389.

Patented Dec. 17, 1895.

Fig. 1.

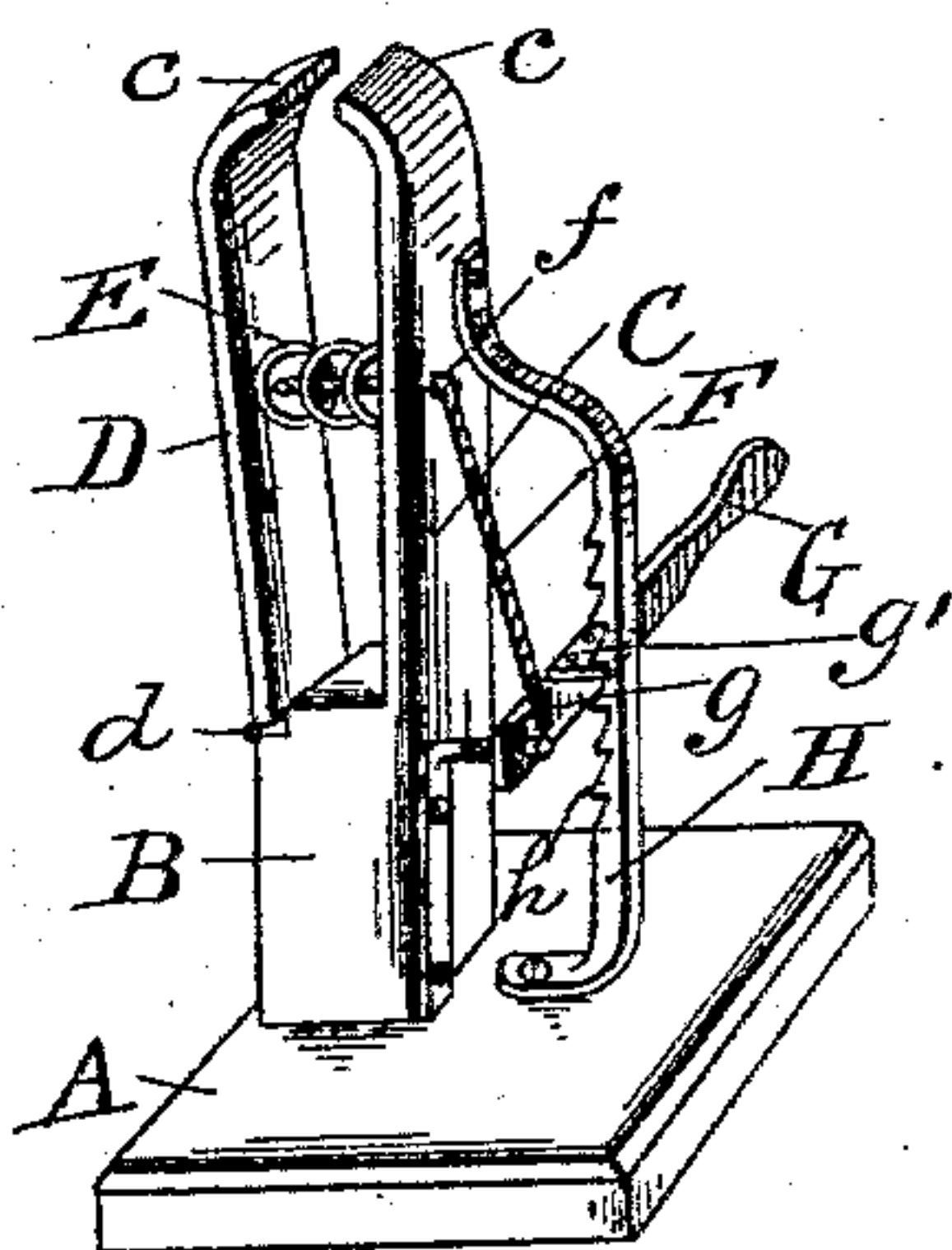
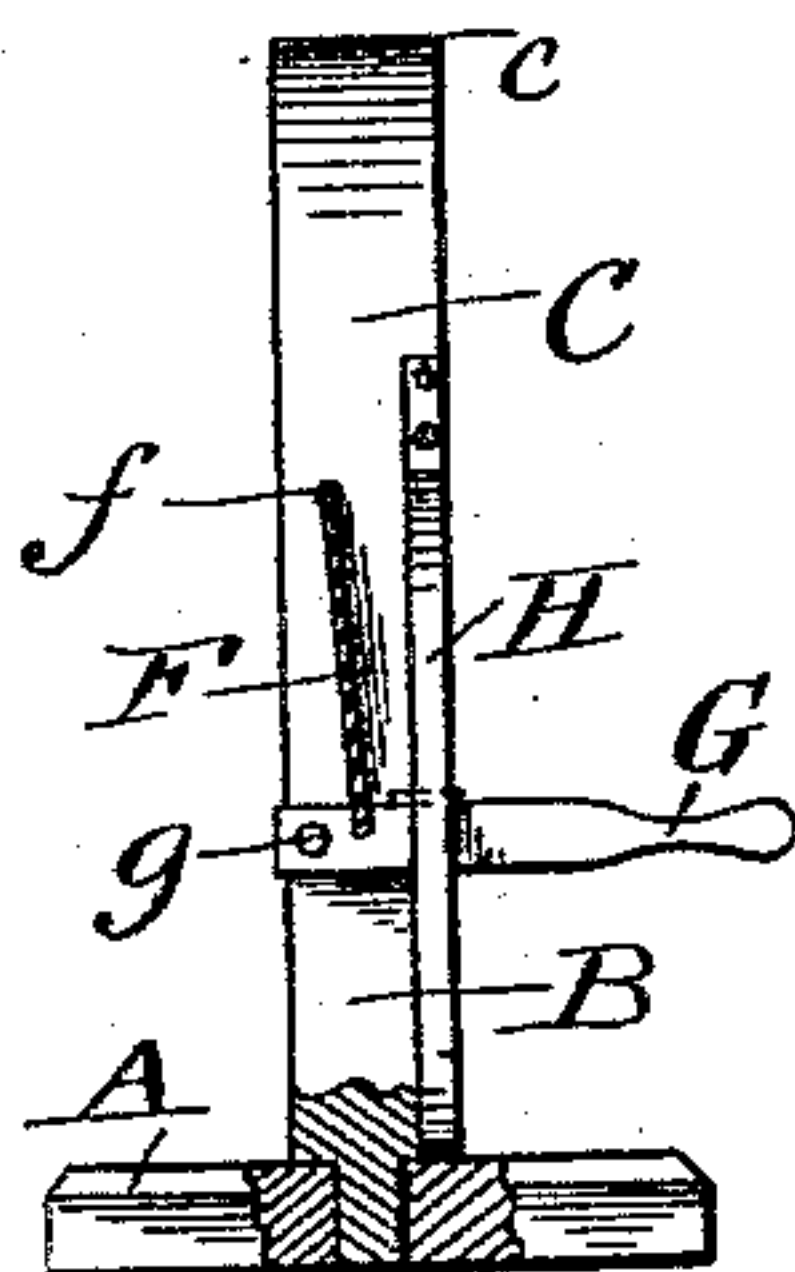


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALVIN R. KNADLER, OF PERU, INDIANA.

STITCHING-JACK.

SPECIFICATION forming part of Letters Patent No. 551,389, dated December 17, 1895.

Application filed May 21, 1895. Serial No. 550,030. (No model.)

To all whom it may concern:

Be it known that I, ALVIN R. KNADLER, a citizen of the United States, residing at Peru, in the county of Miami and State of Indiana, have invented a new and useful Stitching-Jack, of which the following is a specification.

My invention relates to an improved leather-worker's stitching-jack; and it has for its object the production of a stitching-jack well adapted for farmers' use, and for use in livery stables and in other like places, it being capable of being placed upon a chair, box, bench, or other like article, and operated by means of a hand-lever, in contradistinction to stitching-jacks of the class inseparably connected with a heavy horse and operated by means of a foot-lever.

The invention will first be described in connection with the accompanying drawings, and then pointed out in the claim.

Figure 1 of the drawings is a perspective view of a stitching-jack constructed in accordance with my invention. Fig. 2 is a side elevation of the same.

Referring to the drawings, A represents the base of the jack, which consists of a piece of plank capable of being screwed or otherwise secured to a chair, box, or other like support. To the base, near one edge thereof, is secured in any suitable manner, preferably by mortising, the clamp-block B, from the upper edge of which rises the stationary clamping-jaw C of the clamp, this jaw C and block B being preferably formed integral. To the edge of the block B, opposite the jaw C, is hinged, as at *d*, the movable clamping-jaw D, the upper ends of the jaws C and D being turned inward, as at *c*, to form the clamping-face, as is usual in clamps of this kind. E is a coiled spring secured between the jaws C and D, serving to normally hold the clamping-jaws apart.

F is an operating-strap, secured at one end to the inner side of the movable jaw D, passing through the coiled spring E, and through an opening *f* in the jaw C, its other end being secured to a hand-lever G pivoted on a bar *g* secured to the clamp-block B.

H represents a bracing-bracket, secured at one end to the base A, projected vertically a short distance and then turned inward at a right angle and secured at the end to the stationary jaw C of the clamp. On the inner side of the vertical portion this bracket is provided with ratchet-teeth *h*, with which a plate

g', secured on lever G, is adapted to engage in operation.

The operation of my stitching-jack is as follows: The material to be worked is placed between the clamping-surfaces *c* of the jaws C and D, and the operator, pressing with his hand upon the lever G, brings the jaws tightly together, and causes the plate *g'* to engage one of the teeth *h*, thus causing the jaws to tightly clamp the material, no further action on his part being necessary to hold the clamping-jaws together. When it is desired to release the material, by simply disengaging the plate on the lever from the ratchet-teeth permits the spring E to act, causing the jaws to open, which releases the material.

It is evident from the above description that I am enabled to construct my stitching-jack very light and portable, permitting me to dispense with the usual heavy horse or bench, and that the bracket H is so constructed and positioned as to serve not only as a ratchet-bar for the lever, but as a very effective brace for the stationary jaw C, by which I am enabled to construct the parts much lighter than has been heretofore possible and yet maintain the requisite amount of strength necessary in jacks of this class.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a stitching-jack, a base capable of being screwed or otherwise secured to a chair, table, or other like support, a clamp-block secured in said base and having a stationary clamping-jaw formed integral therewith, a movable clamping-jaw hinged to the clamp-block, a bracing-bracket secured at one end to the base and at the other end to the stationary clamping-jaw, said bracket being provided on its inner side with toothed projections, a hand-lever pivotally secured at one end to the clamp-block and having a projecting plate adapted to engage the teeth on the bracket in operation, and an operating-strap connecting the movable clamping-jaw and said hand-lever, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ALVIN R. KNADLER.

Witnesses:

A. GEHRING,
ELI J. JAMISON.