F. HUOT.

STITCHING-HORSES FOR HARNESS-MAKERS.

No. 194,241. Patented Aug. 14, 1877.

fig. 1.

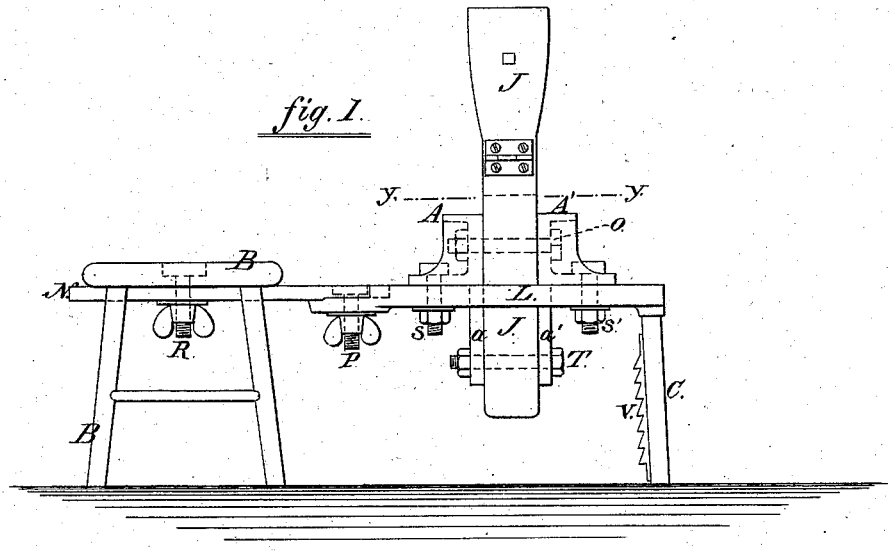


fig. 2.

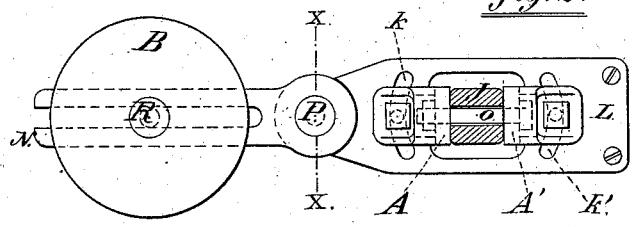
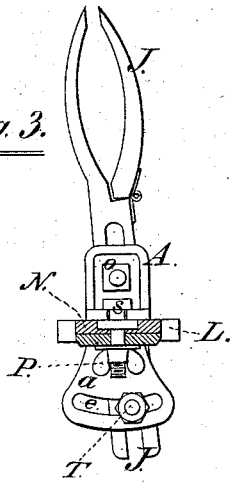


fig. 3.



Witnesses.

W. Otto Groven.

W. H. Crombie

Inventor.

Frank Huot

UNITED STATES PATENT OFFICE.

FRANK HUOT, OF DAVENPORT, IOWA.

IMPROVEMENT IN STITCHING-HORSES FOR HARNESS-MAKERS.

Specification forming part of Letters Patent No. **194,241**, dated August 14, 1877; application filed April 17, 1877.

To all whom it may concern:

Be it known that I, FRANK HUOT, of Davenport, in the State of Iowa, have invented an Adjustable Stitching-Horse, of which the following is a specification:

The first part of my invention consists in the connection of the seat or stool of a stitching-horse to the part that carries the clamp by means of a slotted arm, N, the thumb-screw R, and the pivot-screw P, in such a manner as to bring it into any desired position to, and any desired distance from, the clamp.

The object of the second part of my invention consists in making the clamp itself adjustable, so as to be able to raise or lower it, to give it any desired inclined position, or to turn it around its vertical axis.

The invention is fully illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the stitching-horse. Fig. 2 is a plan view of the same, with the upper part of the clamp J cut off, at the line *y y*, Fig. 1. Fig. 3 is a vertical section at the line *x x*, Fig. 2, showing the adjustment of the clamp in an end view.

N is an arm, made of cast-iron or any other suitable material, which has a slot running through the greater part of its center line. B is the seat or stool, which is fastened to the arm N by means of the thumb-screw R, which latter runs in the slot of arm N. The solid end of this arm N is fastened to one end of the bed-plate L by means of the pivot-screw P, around which it can swing to the right or left, as it may be desired. The other end of the bed-plate L is supported by the legs C, to one of which is fastened a rack, V, for the fastening of the treadle. This treadle has, for the sake of clearness, been omitted in the drawing, and does not differ materially from the treadle of any ordinary stitching-horse.

In the center of the bed-plate L is an opening more than large enough to let the lower part or shank of the clamp J pass, which latter is slotted vertically almost to its entire length. The clamp J is held firmly and in position by means of the two standards A and A′, to which it is fastened with the bolt *o*, this latter passing through the slot in the shank of the clamp J.

From the standards A and A′ project downward through the central opening of the bed-plate L the two jaws *a* and *a′*, which are provided with circular slots *e*, Fig. 3, having their centers in the center of the bolt *o*. To these jaws *a* and *a′* the clamp is attached at its lower end by means of the bolt T, allowing thus the clamp to be swung into an inclined position, with its center of motion at *o*, Fig. 3.

The standards A and A′ are fastened to the bed-plate L by means of the adjusting-bolts *s* and *s′*, which latter work in the circular slots *k* and *k′* of the bed-plate L, making it possible for the clamp J to be turned either to the right or to the left around its own vertical axis.

The manipulation for adjusting the stitching-horse is obviously very simple, and explains itself from the above.

If the stool B has to be brought nearer to or farther from the clamp J, the thumb-screw R is loosened and the stool B moved to the required distance from the clamp, and there secured by tightening the thumb-screw R.

If the position of the stool is not to be in a straight line with the bed-plate L and the clamp J, as represented in Fig. 2, the pivot-screw P is loosened and the slotted arm N swung aroung the latter until in the desired position, after which the thumb-nut of the pivot-screw P is tightened again.

If the clamp J is to be raised or lowered, the nuts of the screw-bolts *o* and T are loosened, the clamp J brought into the required elevation from the ground, and there secured by tightening again the nuts of the two bolts *o* and T.

If the clamp J is to stand on an incline, the screw-bolt T, Figs. 1 and 3, is loosened and the clamp turned around the bolt *o* until in such an inclined position as is most desirable for the special work to be held, and there secured by tightening the nut of the bolt T.

And when, finally, the clamp is to be turned around its own vertical axis, the two screw-bolts *s* and *s′* are loosened and moved in the slots K and K′ until the clamp has the position required, when the nuts of the bolts *s* and *s′* may be tightened again.

Having thus fully described my invention, I claim—

1. The combination, with the stool B and slotted arm N, having thumb-screw R and pivot-screw P, of the clamp J, all arranged substantially as shown, for the purpose set forth.

2. The clamp J, with its slotted shank, the standards A and A′, with their slotted projecting jaws *a* and *a′*, and the bolts *o* and T, in combination with the pivoted bed-plate L, provided with circular slots *k* and *k′*, substantially as and for the purpose described.

FRANK HUOT.

Witnesses:
W. OTTO GRONEN,
RICHARD MAGUIRE.