

J. Jackson,

Clamp.

No. 103620.

Patented May 31, 1870.

Fig. 1.

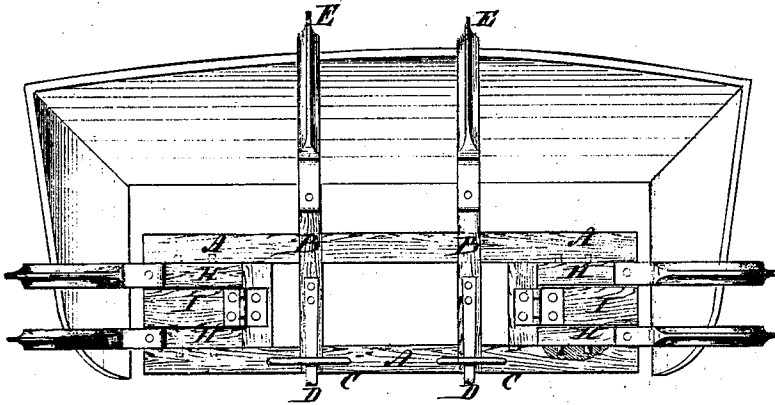
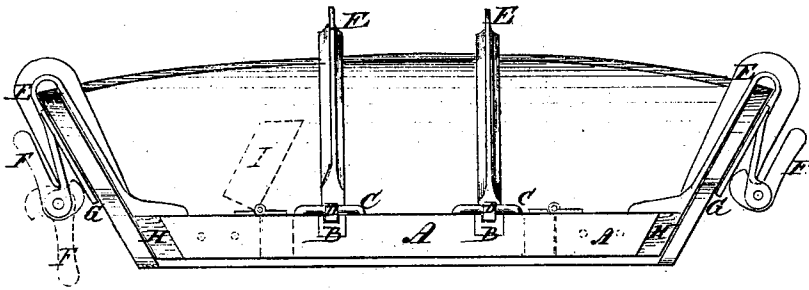


Fig. 2.



Witnesses:

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JOHIEL JACKSON, OF COLUMBUS, WISCONSIN.

Letters Patent No. 103,620, dated May 31, 1870.

IMPROVEMENT IN SEAT-HOLDER.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, JOHIEL JACKSON, of Columbus, in the county of Columbia and State of Wisconsin, have invented a new and useful Improvement in Seat-Holders; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a top view of my improved seat-holder, represented as holding the back and end rails of a seat.

Figure 2 is a front view of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved holder for holding the rails of a seat while being made, and which may be adjusted for holding larger or smaller seats, as may be required; and

It consists in the construction and combination of the various parts of the holder, as hereinafter more fully described.

A is the foundation frame of the holder, consisting of two longitudinal bars, connected to each other near their ends by short cross-bars, as shown in fig. 1.

B are arms fitted into notches in the upper sides of the longitudinal bars of the frame A; the forward ends of which are passed beneath staples C driven into the said longitudinal bars of the frame A, and are secured to said staples C by the spring catches D, as shown in figs. 1 and 2.

To the rear ends of the bars B are attached U-shaped arms E, having cam-levers F pivoted to their outer ends, and having spring plates G attached to them to rest against the outer side of the seat-back, for the cams F to operate against, to prevent the said cams from injuring the surface of said seat-back.

H are the end arms or bars which extend along the inner sides of the end parts of the longitudinal bars of the frame A, with which they are connected by a pin or pins attached to the said bars A or H, and which enter holes in the other of said bars, several holes being formed in the said bars for the said pins, so that the holder may be extended or contracted to adjust it for holding larger or smaller seats.

The bars H are secured in place by the blocks I, which fit into the space between the bars H, and the inner ends of which are hinged to the cross-bars of the frame A, so that they may be turned back, when desired, to release the bars H to allow them to be adjusted or detached.

To the outer ends of the bars H are attached U-shaped arms E, provided with lever-cams F and elastic plates G, said arms and their attachment being similar in every respect to those attached to the bars B.

In using the machine, it is secured in the bench-vise bottom upward, and with the back arms toward the operator. The end rails are then placed and clamped in the end arms, and the back rail is placed and clamped in the back arms. The miter corners are now sawed down and nailed fast, and the lower edge of the rails dressed off. The seat-bottom is then placed upon the lower edges of the seat rails, marked around, turned over, and secured to the holder by thumb-screws, and its edges are dressed off. The thumb-screws are now loosened, the bottom turned over and secured in place. The holder and seat are now turned top upward and secured in the vise, the back arms are detached, and the top edge dressed as far as the end arms will permit. The back arms are then replaced, the end arms removed, and the dressing completed. The back arms are then loosened, and the completed seat removed.

The holder may be used with equal advantage when making round-cornered seats.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

An improved seat-holder, formed by the combination of the frame A, detachable rear arms B E F G, secured in place by spring catches D, or equivalent, detachable and adjustable end arms H E F G, and hinged blocks I, with each other, said parts being constructed and operating substantially as herein shown and described, and for the purpose set forth.

JOHIEL JACKSON.

Witnesses:

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