

A. J. CALLAHAN.

CRATES FOR SEWING-MACHINES.

No. 179,893.

Patented July 18, 1876.

Fig. 1

Fig. 2

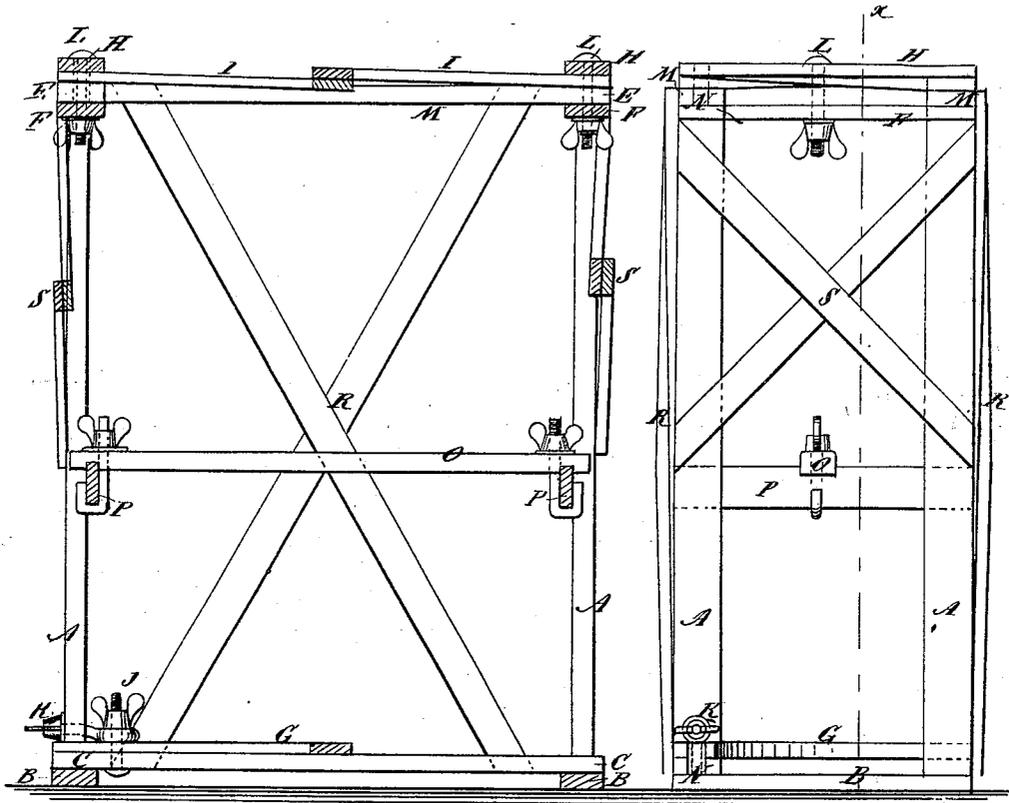
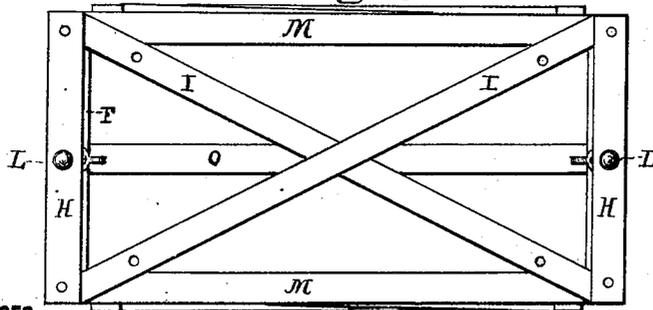


Fig. 3



WITNESSES:

C. Newell
John Goethals

INVENTOR:

A. J. Callahan

BY

Munnell

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ANDREW J. CALLAHAN, OF PALMYRA, ILLINOIS.

IMPROVEMENT IN CRATES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **179,893**, dated July 18, 1876; application filed April 4, 1876.

To all whom it may concern:

Be it known that I, ANDREW J. CALLAHAN, of Palmyra, Macoupin county, Illinois, have invented a new and Improved Crate for Sewing-Machines, of which the following is a specification:

My invention consists of a cage or crate for sewing-machines and the like, constructed to be taken apart and packed in compact form for return, and having braces and binding-screws to maintain it in the shape for containing the machine, the novel features of the crate being hereinafter more fully described, and then pointed out in the claims.

Figure 1 is a sectional elevation of my improved crate, taken on line *x x*, Fig. 2; and Fig. 2 is a side elevation. Fig. 3 is a plan or top view of a crate constructed according to my invention.

Similar letters of reference indicate corresponding parts.

The posts A are permanently fitted in the cross-sills B and the cross top beams F, and pivoted in the longitudinal sills C and beams M by round tenons, which hold the side and cross beams of the top and bottom together, and at the same time turn in the longitudinal sills and beams, and allow them to turn for placing together or packing the sides and ends of the frame flatwise. The diagonal brace G is attached at the bottom, and the cross-bars H and diagonal braces I are attached to the top to hold the frame in shape, the brace G being pivoted to one of the posts and connected to the other by the screws J and K,

the screw J also connecting it to one of the sills C. The tenons of the posts go through the braces and cross-bars of the top stay, and they are secured thereto by the bolts L. The tenon of one of the posts slips out of the slotted end of one of the sills C and one of the top bars M, as shown at N. The bolts J and K hold the post in the slotted end of the sill, and the braces and cross-bars of the top hold the post in the slotted end of the beam M. A middle cross-bar, O, is bolted on the ends of the cross-bars P for staying the crate when in use and containing a machine. The sides and ends are stayed by braces R S.

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

1. The cross sills and beams permanently connected to the posts, and the longitudinal beams and sills pivoted to them, in combination with the longitudinal sill and beam of one side, having a slotted end to receive and let go the tenons of the posts for opening and closing the crate, substantially as specified.

2. The brace G and screws J K, combined with the posts and beams and sills connected to open and close at one corner, substantially as specified.

3. The cross-bars H, diagonal braces I, and bolts L, combined with the frame constructed to open at one corner, in the manner described.

ANDREW JACKSON CALLAHAN.

Witnesses:

CHARLES T. HANSHAW,
JOHN F. CHILDS.