(No Model.)

W. H. HITESHEW.

SEWING MACHINE CABINET.

No. 325,081. Patented Aug. 25, 1885.

Fig. 2.

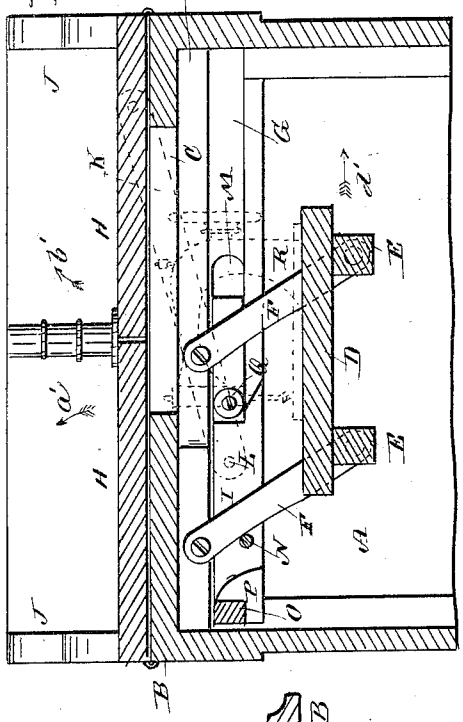


Fig. 3.

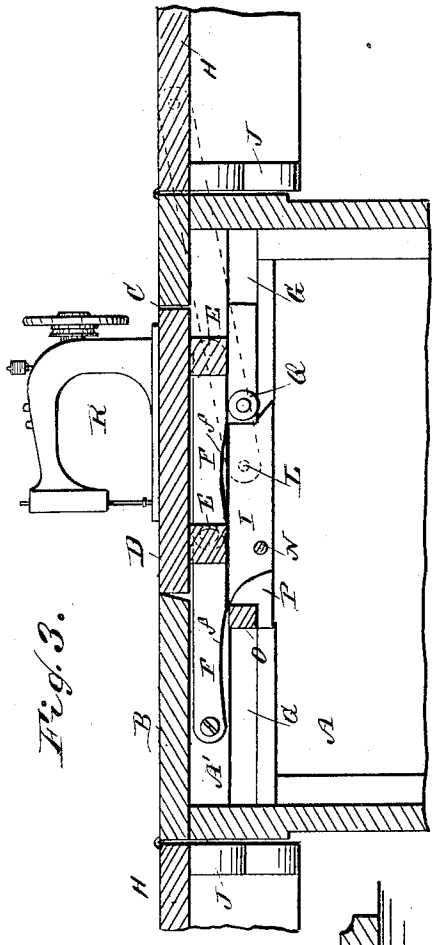
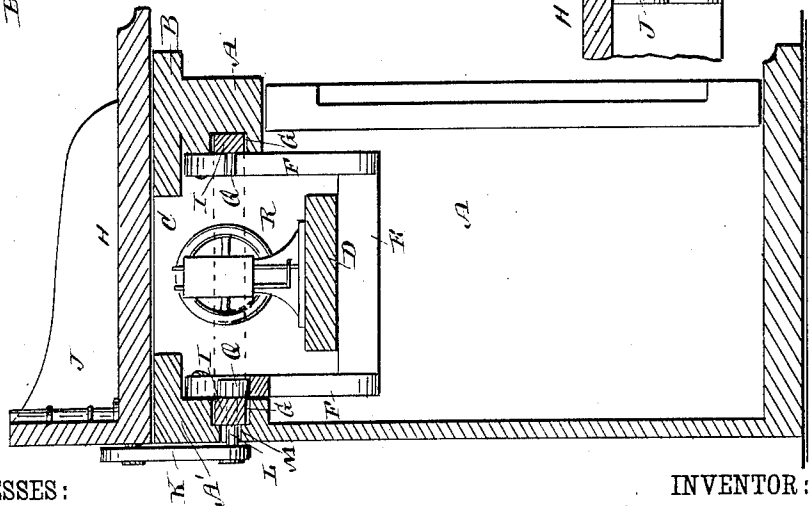


Fig. 1.



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SEWING-MACHINE CABINET.

SPECIFICATION forming part of Letters Patent No. 325,081, dated August 25, 1885.

Application filed February 12, 1885. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HITESHEW, of Peru, in the county of Miami and State of Indiana, have invented a new and Improved Sewing-Machine Cabinet, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved sewing-machine cabinet which is so arranged and constructed that when the top of the cabinet is closed the machine is automatically lowered through an opening in the top of the cabinet, and is raised automatically out of the cabinet when the top is raised.

The invention consists in parts and details and combination of the same, as will be fully set forth and claimed hereinafter.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a cross-sectional elevation of my improved sewing-machine cabinet closed. Fig. 2 is a longitudinal sectional elevation of the upper part of the cabinet closed. Fig. 3 is a like view, the cabinet being open.

The cabinet A is provided with a fixed top, B, provided with an opening, C, into which the base-plate D fits, on which the sewing-machine R is secured. The said plate D is provided with two cross-pieces, E, to each end of each of which a link, F, is pivoted, the upper ends of the links being pivoted to the inner sides of the top rails, A', of the cabinet.

In the inner surface of each top rail, A', a longitudinal groove, G, is formed, each containing a sliding bar, I.

On the ends of the top B two leaves, H, are pivoted in such a manner that they can be folded upon the top B, as shown in Fig. 1, or swung over to project from the ends of the same, as shown in Fig. 3. The leaves are provided at their pivoted ends with the end pieces J on the upper surface.

A connecting-bar, K, is pivoted to the back of one leaf H, near the bottom edge and hinged edge, and the other end of the said bar K being pivoted by a pivot, L, to the rear edge of the back slide, I, the pivot L passing through a longitudinal slot, M, in the back of the cabinet.

The slides I are connected near the left-hand ends by a cross-rod, N, and also at the left-hand ends by a cross-bar, O.

On the inner surface of each slide I a cam-projection, P, is formed at the left-hand end, and on the inner side of each slide a roller, Q, is pivoted at a short distance to the left of the right-hand link F. The sewing-machine may be of any well-known construction, and its legs, treadle, &c., may be secured to the bottom of the plate D; or the machine may be constructed to be operated by hand, electricity, water or steam power.

The operation is as follows: When the machine is not in use and the cabinet closed, the leaves H rest upon the top B, as shown in Fig. 2, and are locked by means of a suitable lock. When the machine is to be used, the left-hand leaf H is swung in the direction of the arrow *a'* until it projects horizontally from the end of the top plate, B. The right-hand leaf H is then swung in the direction of the arrow *b'* until it is horizontal and projects from the right-hand end of the top plate, B. Thereby the slides I are moved by the bar K in the direction of the arrow *d'*, and the rod N acts on the left-hand links F and swings their lower ends up, and by this time the rollers Q begin to act on the right-hand links F, and also swings them upward, whereby the plate D is brought into the opening C, the top of the plate D being flush with the top of the top plate, B, and the machine R projecting from the top plate, B. The cam-pieces P act on the lower edges of the left-hand links F and press the plate D upward and securely in place. The inner edges of the links F are recessed slightly at *f*, so that when the cam-pieces P and the rollers Q act on the lower ends of the links F they press them upward. The machine is now held in place securely, and can be operated easily.

When the machine is not to be used any longer, the leaves H are swung in the inverse direction of the arrows *a'* and *b'*, and upon the top B, whereby the plate D, carrying the machine, is moved down into the cabinet.

I am aware that a sewing-machine cabinet has been provided with an opening in its top, a vertically-movable plate, a sewing-machine thereon, a hinged leaf on top of the cabinet, and a bar connected with the said leaf and the vertically-movable plate for raising and lowering the same, and I do not claim such as of my invention.

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

1. The combination, with a sewing-machine cabinet having an opening in its top, of a sewing-machine secured on a vertically-movable plate, links pivoted to the plate and to the inner surfaces of the sides of the cabinet, a sliding frame in the cabinet engaging the links, a hinged leaf on the top of the cabinet, and a connecting-bar connecting the leaf with the sliding frame, whereby when the leaf is raised or lowered the sliding frame will be operated to act on the links, and thereby raise or lower the vertically-movable plate, substantially as herein shown and described.

2. The combination, with the cabinet A, having an opening in its top, of the hinged leaf H, the slides I, connected by the rod N, the plate D, carrying a sewing-machine, the links F, and the bar K, connecting one slide I with the hinged leaf H, substantially as herein shown and described.

3. The combination, with the cabinet A, having an opening in its top, of the slides I, the rod N, the rollers Q, the links F, the plate D, carrying a sewing-machine, the bar K, and the pivot L, passed through a horizontal slot, M, in the back of the casing, substantially as herein shown and described.

4. The combination, with the cabinet A, having an opening in its top, of the slides I, having cam-pieces P, the links F, the plate D, carrying a sewing-machine, the hinged leaf H, and the bar K, substantially as herein shown and described.

WILLIAM H. HITESHEW.

Witnesses:
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