(No Model.)

2 Sheets—Sheet 1.

D. H. COLES.

SEWING MACHINE CABINET.

No. 249,590. Patented Nov. 15, 1881.

Fig. 3.

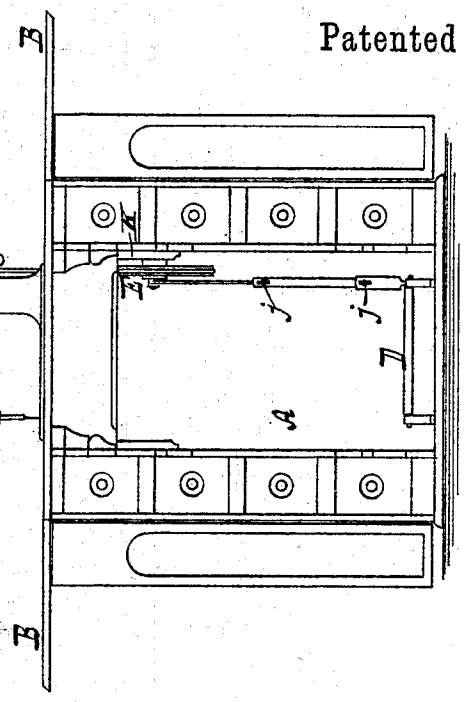


Fig. 2.

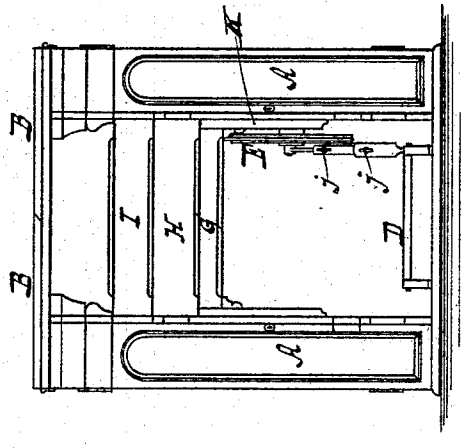
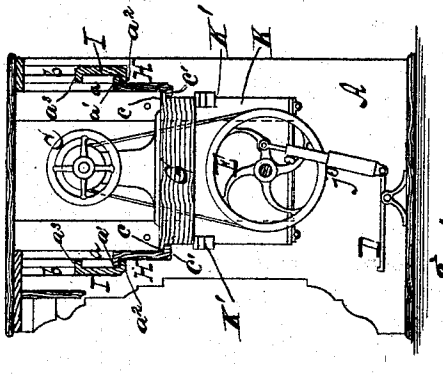


Fig. 1.



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(No Model.)

2 Sheets—Sheet 2.

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Fig. 4.

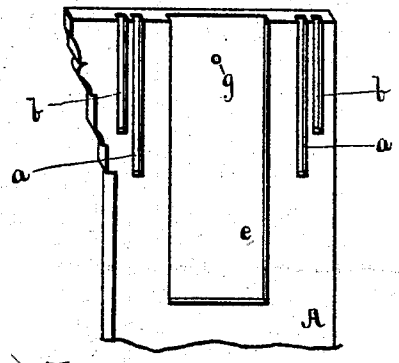


Fig. 5

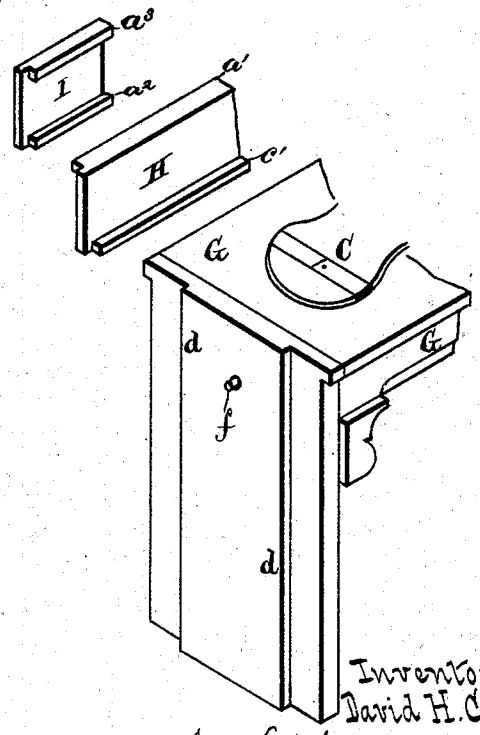
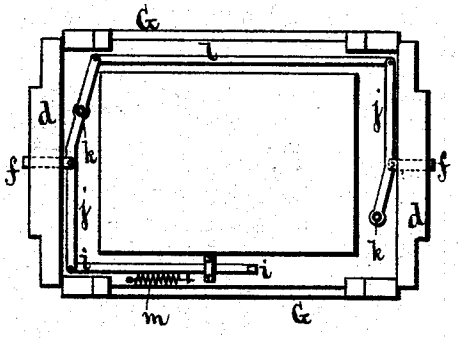


Fig. 6.



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UNITED STATES PATENT OFFICE.

DAVID H. COLES, OF NEW YORK, N. Y.

SEWING-MACHINE CABINET.

SPECIFICATION forming part of Letters Patent No. 249,590, dated November 15, 1881.

Application filed March 31, 1881. (No model.)

To all whom it may concern:

Be it known that I, DAVID H. COLES, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Sewing-Machine Cabinets, of which the following is a specification.

This invention relates to improvements in that kind of cases or stands for sewing and other machines which are adapted to lower or raise the machine.

My invention consists in the combination, with the machine-frame having vertical grooves or recesses, of vertically-sliding front and rear slats having their ends arranged in said grooves or recesses, and provided at their respective edges with lips for engaging each other, and a vertically-movable platform supported by lips on the lower edge of one pair of said slats, all as will be more fully hereinafter described in detail.

My invention is illustrated in the accompanying drawings, in which Figure 1 is a side view, partly in section. Fig. 2 is a front view thereof when closed. Fig. 3 is a similar view thereof when the same is opened and ready for use. Fig. 4 is an inner view of the side of the case, showing the recesses or guideways in the same. Fig. 5 shows the slats and supporting-platform detached from each other and on an enlarged scale. Fig. 6 is an inverted plan view of the supporting-platform.

In the drawings, the letter A designates a sewing-machine table or frame which is provided with lids or covers B B, hinged to the same. The central part of the case A is provided with a recess for the reception of a sewing-machine, C, and its driving mechanism consisting of a treadle, D, imparting motion to the driving-wheel E.

The sewing-machine C is mounted on a platform, G, which is provided at its opposite edges with lips *c c*, resting on and supported by lips *c' c'*, provided at the lower edges of the front and rear slats, H, the ends of which freely slide in the grooves or recesses *a*. The slats H are provided at their upper edges with lips, a' a', which rest upon lips a^2 a^2, provided on secondary front and rear slats, I, which have their ends arranged to freely slide vertically in grooves or recesses *b b*, provided in the frame of the machine. The upper edges of the slats I have inward-projecting lips a^3 a^3 for coming in contact with the upper lips on the slats H when the latter are moved upward, thereby causing the slats I to move upward with the same.

In order that the wheel E may be readily drawn up and away from the treadle D, and also readily lowered, the connecting-rod by which the motion of the treadle D is imparted to the wheel E is made in sections, which telescope one within the other and are fastened in their proper positions by adjusting set-screws *j j*.

When the sewing-machine is to be used it is drawn up so as to raise the platform G and to cause the sewing-machine to rise above the upper surface of the case.

In order to allow the wheel E to move up and down its axle is formed on a pendent arm or support, K, which is attached to and moves with the platform G and is arranged to move in suitable guides, K', on the frame of the machine.

When the sewing-machine is not in use it is lowered down into the case A, as shown in Figs. 1 and 2, and the lids B B are folded over, so as to cover the recess in the case A, thus forming a table.

When the sewing-machine is to be used the lids or covers B B are folded out (see Fig. 3) and the sewing-machine is raised up above the top of the case A, where it may be fastened by spring-catches, dowels, or other suitable device.

As shown in the drawings, the platform G, when raised, is held up by projecting pins or dowels *f*, adapted to enter eyes or holes *g* in the case A. These pins *f*, Fig. 6, are attached to arms or levers *j*, swinging about pivots *k*, and connected by an arm or rod, *l*. The pins or dowels *f* are forced out to the position shown in the drawings by the action of a spring, *m*. When the platform G is to be lowered into the case A the dowels are drawn out of the eyes or holes *g* by pulling the bar *i* inward against the resistance of the spring *m*, when the platform G is free to sink down into the case A.

By the arrangement herein described I am enabled to make the case A in the form of an open stand, while at the same time the machine C, when lowered into the case A, will be

inclosed by the slats H I, which extend across the opening or recess in the case A, Fig. 2, and the machine will thus be concealed from view and protected from injury, while the top of the case can be used as an ordinary table.

Heretofore various arrangements of parts have been invented for lowering or depressing the sewing mechanism below the plane of the table-top and protecting the same from dust when in a lowered position; and among such is that where the movable platform which supports the sewing mechanism is hinged to the lower edges of two side slats, which latter are in turn hinged to two slats that are pivoted to the under side of the table-top on opposite sides of the opening therein provided for bringing the movable platform carrying the sewing mechanism into the plane of the table-top, all in such manner that the said platform can be dropped below the table top, and the sewing mechanism will be contained within a closed box-like receptacle, which conceals and protects the same from dust, &c., said box-like receptacle being composed of the hinged side slats before stated and a stationary and a movable end wall or piece. Such construction of sewing-machine stand or cabinet, not being my invention, is hereby disclaimed.

What I claim as my invention is—

The combination of the machine-frame having vertical grooves or recesses *a* and *b* with vertically-sliding front and rear slats, H and I, having their ends arranged in said grooves or recesses, and provided at their respective edges with lips for engaging each other, and a vertically-movable platform, G, supported by lips on the lower edge of the slats H, all substantially as described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

DAVID H. COLES. [L. S.]

W. HAUFF,

E. F. KASTENHUBER.