

(No Model.)

N. A. HULL.
SEWING MACHINE TABLE.

No. 571,193.

Patented Nov. 10, 1896.

Fig. 1.

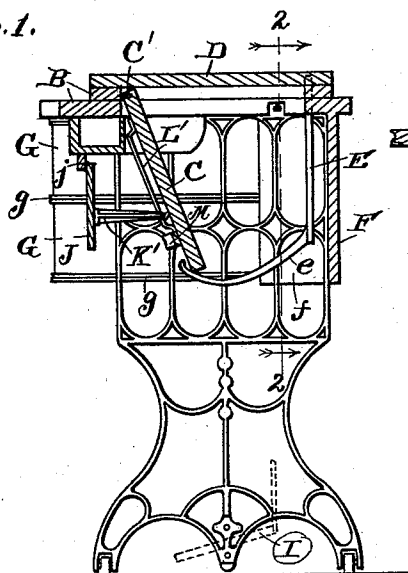


Fig. 2.

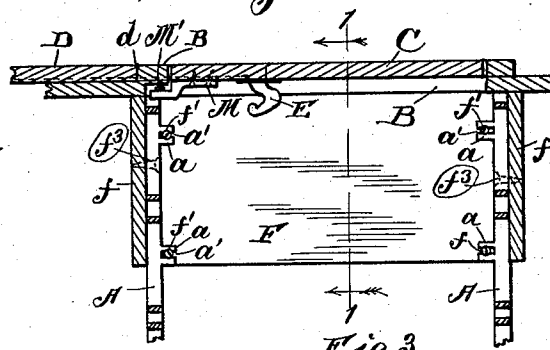


Fig. 3.

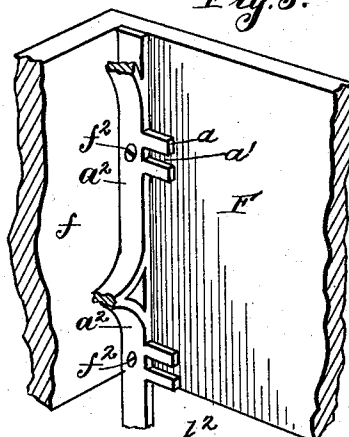


Fig. 4.

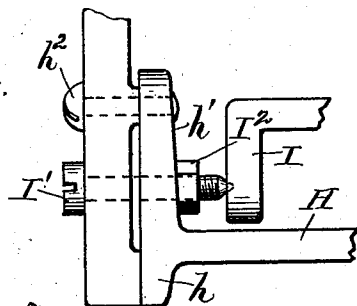


Fig. 5.

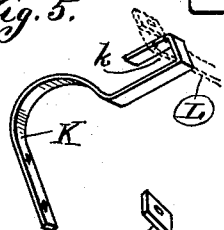


Fig. 6.



Fig. 11.

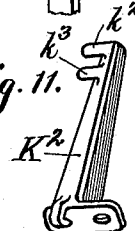


Fig. 10.

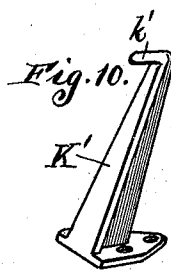


Fig. 7.

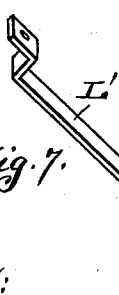


Fig. 8.

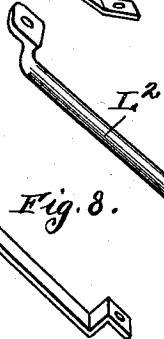
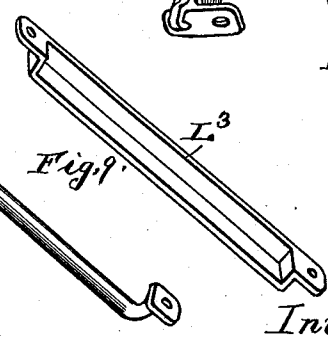


Fig. 9.



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UNITED STATES PATENT OFFICE.

NICHOLAS A. HULL, OF CHICAGO, ILLINOIS, ASSIGNOR TO FRANK PATZACK, OF SAME PLACE.

SEWING-MACHINE TABLE.

SPECIFICATION forming part of Letters Patent No. 571,193, dated November 10, 1896.

Application filed January 31, 1896. Serial No. 577,551. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS A. HULL, a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sewing-Machine Tables, of which the following, when taken in connection with the drawings accompanying and forming a part hereof, is a full and complete description, sufficient to enable those skilled in the art to which it pertains to understand and make the same.

My invention relates to the class of sewing-machine tables frequently termed "sewing-machine cabinets," wherein the sewing-machine is secured to a movable base-board, which, when the machine is not in use, is in such position that the sewing-machine is below the top of the table or cabinet, and when the machine is in position for use it, together with the base-board, is brought up so that the machine is above the top of the table or cabinet and the base-board lies horizontally (or nearly so) in the plane of the table or cabinet.

In sewing-machine tables or cabinets of the kind named where iron castings are used for the legs some difficulty is experienced in properly bracing such castings, (to obtain the desired rigidity thereof,) owing to the fact that any brace extending from the casting at one end of the table to the casting at the other end thereof, if placed above the combined pedal-support and brace, is either in the way of the sewing-machine when such machine is below the top of the table (not in use) or in the way of an operator using the machine, (with the feet on and working the pedals;) and, further, in sewing-machine tables of the kind named a movable panel is usually placed underneath the top to conceal the back of the machine-base when the same is down, and such movable panel must necessarily be raised when the sewing-machine and base-board are raised into position for use to permit the person using the machine to place the feet on the pedals.

The object of my invention is to construct a stand of the character described which shall be well braced and so sufficiently rigid to be durable and serviceable, and to so connect the movable machine-base and the movable panel in front thereof that the raising of

the machine-base will automatically raise the movable panel and the lowering of the machine-base will automatically lower the movable panel and force it into place.

A further object of my invention is to obtain means whereby when the movable machine base-board is hinged to the top of the table and automatically brought up into a substantially horizontal plane forming a part of such table-top by the opening of a hinged cover through a right-angled connection pivotally secured to such cover and extending under the movable machine-base, such movable base will be held rigidly in place in its horizontal plane.

In the drawings referred to as forming a part of this specification, Figure 1 is a vertical sectional view on line 1 1 of Fig. 2 of a sewing-machine table embodying my invention, viewed in the direction indicated by the arrows; Fig. 2, a vertical sectional view on line 2 2 of Fig. 1, viewed in the direction indicated by the arrows; Fig. 3, a perspective view of one of the back corners of the table; Fig. 4, a front elevation of one end of the combined pedal-support and brace, on an enlarged scale; Fig. 5, a perspective view of one of the elements connecting the movable machine base-board of the table with the movable panel in front of the machine base-board, and Fig. 6 a perspective view of the other element of such connection. Figs. 7, 8, and 9 are, respectively, modifications of the element illustrated in Fig. 6, and Figs. 10 and 11, modifications of the elements illustrated in Fig. 5. The elements illustrated in Figs. 5, 10, and 11, respectively, are secured to the back of the machine base-board, and the elements illustrated in Figs. 6, 7, 8, and 9 are secured to the back of the movable panel.

A letter of reference is used to indicate a given part in the several views of the drawings.

A A are the castings forming the legs of the table.

a a are lugs on castings A A, respectively, and a' is a slot in lug a.

B is the top of the table.

C is the machine base-board, and C' are the hinges by which such base-board C is attached to the table-top B.

D is a cover secured to table-top B by hinges $d\ d$.

E is a right-angle lever pivotally secured to cover D and having arm e , extending under base-board C.

F is a combined back and brace secured to castings A A, respectively, by screws $f' f'$ in slots $a' a'$ of lugs $a a$, respectively, or, if preferred, by screws $f^2 f^2$, extending through holes in part $a^2 a^2$ of such castings A A, respectively. (See Fig. 3.) The combined back and brace F is secured at the ends thereof to the respective end pieces $f f$, and such end pieces extend along the castings A A to drawers G G or drawer-frame g . The end pieces $f f$, respectively, are also secured to castings A A, as by screws $f^3 f^3$. The combined back and brace F and end pieces $f f$ extend down to about the bottom of the drawer-frame g (see Fig. 1) and furnish a very effective brace for the upper part of castings A A, as well as presenting a uniform appearance to the table, when viewed in combination with such drawers G G and frame g . To maintain such castings A A in a rigid position at the lower end thereof, the ordinary combined pedal-support H is provided with extensions or legs $h h'$, arranged to come in contact with the castings A A, as in Fig. 4, and through extension or lug h' the screw h^2 is extended into the casting A.

I is the pedal, I' the bolt on which the pedal is centered, and I² a nut on bolt I', by which bar H is firmly secured to the casting A to form a brace.

J is a movable panel secured by hinges to frame B', (such frame B' being secured to top B.) To connect base-board C to movable panel J, spring connection K, Fig. 5, or rigid connection K', Fig. 10, or K², Fig. 11, as preferred, is secured to the bottom of base-board C, and either connection L, Fig. 6, L', Fig. 7, or L², Fig. 8, is secured to the back of movable panel J. When the connection L³, Fig. 9, is secured to the back of movable panel J, (as it may be,) the connection K, Fig. 5, cannot be used, and in such case either connection K', Fig. 10, or K², Fig. 11, is used. Connection K has loop k extending underneath connection L, L', or L², respectively, as shown in Fig. 5. Connection K' has finger k' extending under connection L L' L² L³, respectively, and connection K² has two fingers k^2 extending under connections L L' L² L³, respectively, and k^3 extending over such connections.

To force the machine base-board C well up into a horizontal plane and rigidly maintain it there, where the connection E between base-board C and cover D is used, I secure

plate M to the bottom of base-board C, as by screw m , and set-screw M' (to form an adjustable abutment) on the under side of the table-top B. The plate M may come in contact with the under side of the table-top B if the adjustable feature secured by the screw M' is not desired.

When the machine base-board C is automatically brought into a horizontal plane by opening the cover D through connecting-lever E, the plate M coming in contact with the head of set-screw M' (or the bottom of the table B, if preferred,) such base-board C is held at two points—viz., plate M and lever E, because the greater part of the weight of the machine on the base-board C comes on the end thereof opposite to the end on which the plate M is secured.

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

1. The combination of castings forming legs of a table, a combined pedal-support and brace extending between and secured to the castings, lugs on the ends of the combined pedal-support and brace, such lugs coming in contact with the castings, bolts connecting the lugs and the castings, respectively, and a board forming a combined back and brace also extending between and secured to the castings, with fastenings extending from the castings directly into the combined back and brace; substantially as described.

2. In a sewing-machine table, a table-top, a cover and a machine base-board, the cover and the base-board being pivotally secured to the table-top, a connection between the cover and the base-board, and an abutment extending out from the base-board and into contact with the table-top when the base-board is brought nearly into a horizontal plane by opening the cover; substantially as described.

3. In a sewing-machine table, a table-top, a cover and a machine base-board, the cover and the base-board being pivotally secured to the table-top, a connection between the cover and the base-board, and an abutment extending out from the base-board, with an adjustable abutment on the table-top, such abutment on the base-board coming into contact with the adjustable abutment on the table-top when the base-board is brought nearly into a horizontal plane by opening the cover; substantially as described.

NICHOLAS A. HULL.

Witnesses.

ELMER DE WITT BROTHERS,
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