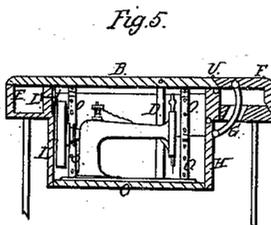
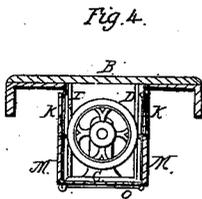
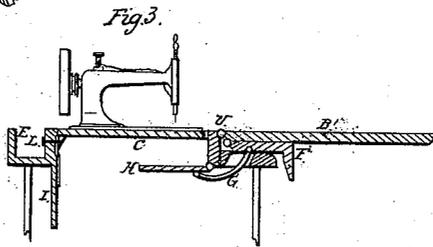
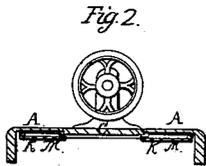
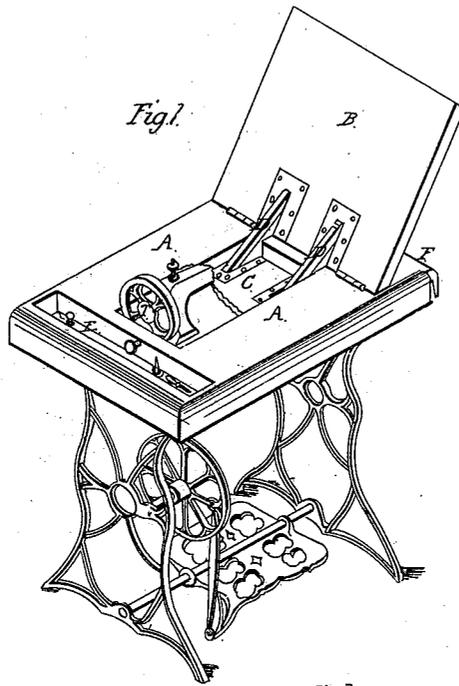


J. F. ELLIOTT.

FOLDING EXTENSION TABLE FOR SEWING MACHINES.

No. 85,918.

Patented Jan. 19, 1869.



Witnesses:

M. B. Philipp
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Inventor:

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United States Patent Office.

JOHN F. ELLIOTT, OF CINCINNATI, OHIO.

Letters Patent No. 85,918, dated January 19, 1869.

IMPROVED FOLDING EXTENSION-TABLE FOR SEWING-MACHINES.

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, JOHN F. ELLIOTT, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a certain new and useful Folding Extension-Table for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view of my folding extension-table, showing a sewing-machine upon the movable platform C, pressed partly down.

Figure 2 is a transverse vertical section through the wheel T, of my folding extension-table, bearing a sewing-machine in position to be operated.

Figure 3 is a longitudinal vertical section of my folding extension-table, showing a sewing-machine in position to be operated.

Figure 4 is a section similar to fig. 2, except that in fig. 4 the platform bearing the machine is folded up.

Figure 5 bears the same relation to fig. 3, that fig. 4 bears to fig. 2.

The object of my invention is to make a folding extension-table, which, when opened out, as at figs. 2 and 3, will answer the purpose of the ordinary sewing-machine stand, and when folded up, as at figs. 4 and 5, will answer the purpose of a neat work or ornamental table.

A is an ordinary sewing-machine stand or table.

B is a folding leaf and extension for and to the table A. In the character of an extension it is seen at fig. 3, and in the character of a folding leaf it is seen at figs. 4 and 5, while, in fig. 1, it is shown in a poised condition, from whence it may be folded forward, as at figs. 4 and 5, or back into an extension, as at fig. 3.

O is the movable platform, on which the sewing-machine rests. It is in the centre of the table A, and its form and size will depend on the size and form of the sewing-machine for which it is intended.

D D are rods, hinged to the movable stand O and to the folding leaf B.

There are continuous slots in said movable stand and folding leaf, in which said rods neatly fit when the table is extended, as seen at fig. 1.

When the folding leaf B is closed, and the sewing-machine is below the table A, as at fig. 5, it is enclosed in a box composed of side and end pieces.

There are two end pieces, of which one, I, is fixed; the other, H, adjustable by means of the arc G, as hereinafter more fully described.

The sides of the box are each composed of two pieces, K and M, fig. 4.

The bottom of said box is formed by the movable platform C.

The pieces K K are respectively hinged to the table A at their upper edges, and to the pieces M M at their lower edges, which pieces M M are also hinged to the movable platform C.

In the drawings herewith shown, the hinges are continuous; that is, the pieces K K, fig. 4, are respectively hinged, by their upper edges, to the under sides of the table A. The hinge-plates, commencing on the under sides of the table A, pass transversely over the upper edges of the pieces K K, thence down their interior sides to where said pieces connect with the pieces M M; thence, in the same direction, across the pieces M M, to the movable platform C; and after hinging said platform to the pieces M M, the hinge-plates pass underneath the said table, as shown at O, fig. 4.

For the purpose of fastening together those various pieces, so that they may perform their respective functions, it is not necessary that said hinges should be continuous, as described, but it is believed that the mode herein described gives greater strength to the said box, without any increase of labor in the manufacture, and very little, if any, increase of expense from the quantity of material used.

The edges of the pieces K and M fit flush against each other, the edges of the movable platform O fit between the sides of the pieces M M, and the upper edges of the pieces K K fit against the under side of the table A, all as clearly shown in fig. 4.

The end pieces I and H are tongued on the edges, and the pieces K K and M M are grooved to correspond, so that the side pieces are guided in their ascent and descent by the end pieces.

It will be observed that, by the aid of the rods D D, the weight of the sewing-machine is prevented from resting on the hinges, during the time of the ascent and descent of the platform O.

F is a right-angled supplemental leaf, hinged to the folding leaf B, so that when the machine is folded, as at fig. 5, it is on a plane with and forms part of it; but when the leaf B is unfolded, then it is underneath said leaf, and forms a support for it, fig. 3.

This effect is the result of the form and arrangement of the hinges shown at U, figs. 3 and 5.

The end piece H is connected, by means of the arc G, to the supplemental leaf F.

When the folding leaf B is unfolded, and the machine is in the position to be operated, the piece H will be pressed up, fig. 3, and thus removed to a position where it will not interfere with the knee of the operator, but, when the machine is being folded up, said piece descends gradually with the side pieces, until it is in a position perpendicular to the plane A.

L is a button, attached to a spring, which is made fast to the inside of the frame-work, and so situated that the bringing up of the movable platform O will push said spring into a recess prepared for it, until the table O passes above it, when it will spring back under said table, and afford a firm support for it while the sewing-machine is in operation, and when it is desired to lower the platform, the spring may be drawn out by means of the button L, when the platform O may be pressed down by closing the folding leaf B.

When the folding leaf B is used as an extension, as at fig. 3, the pieces K K and M M will be folded closely in upon each other, as shown at fig. 2.

E is an aperture or apartment, where the tools belonging to the machine may be kept, and which will dispense with the necessity of a separate drawer for that purpose.

It will be evident that the platform C may be dispensed with, and the bed of the sewing-machine will, when connected immediately with the folding leaf B by the rods D D, fulfil its functions.

Having thus described my invention, I do not mean to be understood as claiming broadly a closet, into which a sewing-machine may be lowered and thus hidden from sight, as that is shown in the Letters Patent granted to William P. Ullinger for improved closet for sewing-machines, dated the 28th day of December, 1858; but

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

1. The table A and platform C, in combination with

the folding leaf B, substantially as and for the purpose described.

2. The folding leaf B and table A, in combination with the supplementary leaf F, as and for the purpose described.

3. The box for holding the sewing-machine when below the table A, composed of the platform C, side pieces K K and M M, end pieces I and H, and folding leaf B, substantially as and for the purpose described.

4. The pieces K K, M M, and platform C, in combination with the series of continuous hinges O, substantially as and for the purpose described.

5. The end piece H and arc G, in combination with the supplemental leaf F.

6. The folding leaf B and rods D D, in combination with platform C, substantially as and for the purpose described.

JOHN F. ELLIOTT.

Witnesses:

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