

E. F. French,

Sewing Machine Cover.

No. 103863.

Patented June 7, 1870.

Fig. 1.

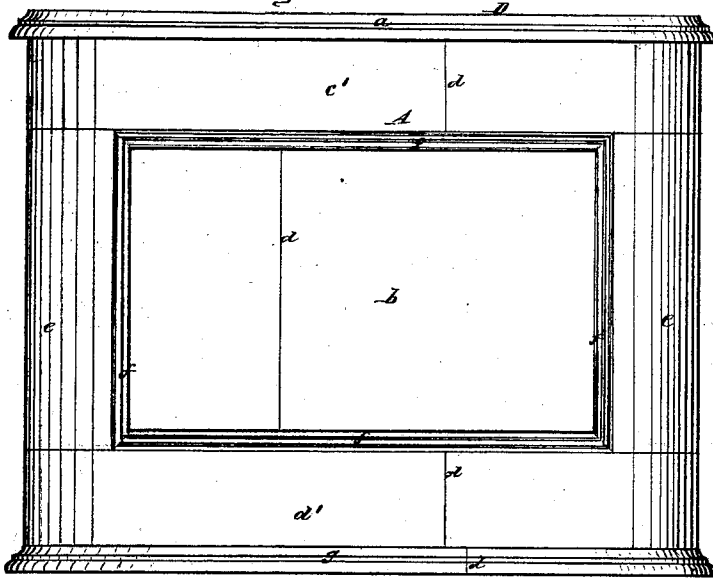
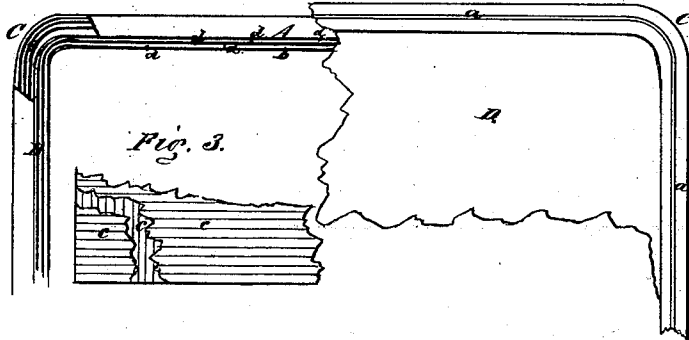


Fig. 2.



Witnesses.
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IMPROVEMENT IN COVERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **103,863**, dated June 7, 1870.

To all whom it may concern:

Be it known that I, EVELYN F. FRENCH, of the city, county, and State of New York, have invented a new and improved Cover for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon making a part of this specification.

This invention has for its object the constructing of a cover for sewing-machines, in such a manner as to avoid checking, warping, and splitting, a contingency of frequent occurrence with covers made in the ordinary way.

The invention has further for its object economy in the construction of the cover, with greater strength and durability than usual.

In the accompanying drawing—

Figure 1 is a front view of my invention.

Figure 2, a plan or top view of the same partly in section.

Figure 3, a detached view of a portion of the same, showing the way in which the veneers are placed or laid in adjusting the parts together.

Similar letters of reference indicate corresponding parts in the several figures.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

The cover is of oblong form, having its front and rear sides A parallel with each other, and its ends B also parallel with each other, and at right angles with the sides A, the corners C being rounded or of semicircular form, as shown in fig. 2.

The top D may be constructed of a solid piece of wood, having a bead or molding, *a*, formed around its edge, or, it may, like the sides and ends of the cover, be composed of veneers glued together, the grain of one veneer being at right angles to that of the one adjoining.

The sides and ends of the cover are composed of veneers, quite thin, about twenty-two to the inch.

The veneers are glued together, the grain of one being at right angles to the one adjoining, as will be fully understood by referring to fig. 3.

The cover is made in panel form, the main portion or body *b* being bent around a former, and composed of a suitable number of veneers, *c*, placed in contact with the grain of the wood

at right angles, one with the other, as shown in fig. 3, and the ends of the veneers "breaking joints," as it is technically termed, that is to say, no two joints coinciding with each other, (see fig. 2,) in which *d* represents the joints.

The veneers are firmly clamped around the former and upon the body *b*. At its upper and lower ends all around, there are glued additional veneers, to form raised portions *e' d'*; and there are also glued to the body *b*, at the rounded corners, additional upright veneers, to form corner-pieces *e*.

These thicker portions *c d e* give a panel appearance to the cover, and the inner edges of said portions are beveled, as shown at *f*.

It will be understood that the veneers, of which the several parts of the cover is composed, are heated prior to the application of the glue, and the veneers are afterward adjusted together around the former, and clamped firmly to it, and held in a clamped state around the former until the glue has become thoroughly set and cold.

At the lower edge of the lower raised portion *d'* of the cover there are glued a number of narrow strips of veneers, on the outer edges of which a bead or molding, *g*, is cut, to correspond with the bead or molding *a* on the edge of the top D.

The cover, when the veneers have become perfectly cold, is removed from the former, and the inner edges of the portions *e' d' e* beveled by any suitable means.

I would remark that the top D may be glued upon the body or main portion of the cover.

The advantages obtained by my invention are as follows:

First, the ordinary solid wooden covers require to be well seasoned, and, owing to the thickness of the wood, it takes about three years to effect this. It would not be safe to work up wood into covers that had not been kept that length of time. In my improvement, the veneers being quite thin, about twenty-two to an inch, they rapidly dry and become thoroughly seasoned, and, in consequence of being glued together, with the grain of the wood at right angles one with another, a very strong and durable cover is obtained, one not liable to warp, check, or crack.

Second, my invention possesses the advantage of admitting cheap wood being used for the inner part of the cover, as the inner ve-

neers may be of white-wood, chestnut, ash, &c., while the exterior ones may be of expensive wood, such as walnut, mahogany, rose-wood, &c.

The labor of making or building up my improved covers is quite trifling, less than in making the ordinary solid wooden covers, while the cost of material is very much less.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent as an improved article of manufacture—

A cover for sewing-machines, constructed substantially as herein shown and described.

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Witnesses:

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