

(No Model.)

G. A. LOVELL.

CASE OR CABINET FOR SEWING MACHINES.

No. 279,875.

Patented June 19, 1883.

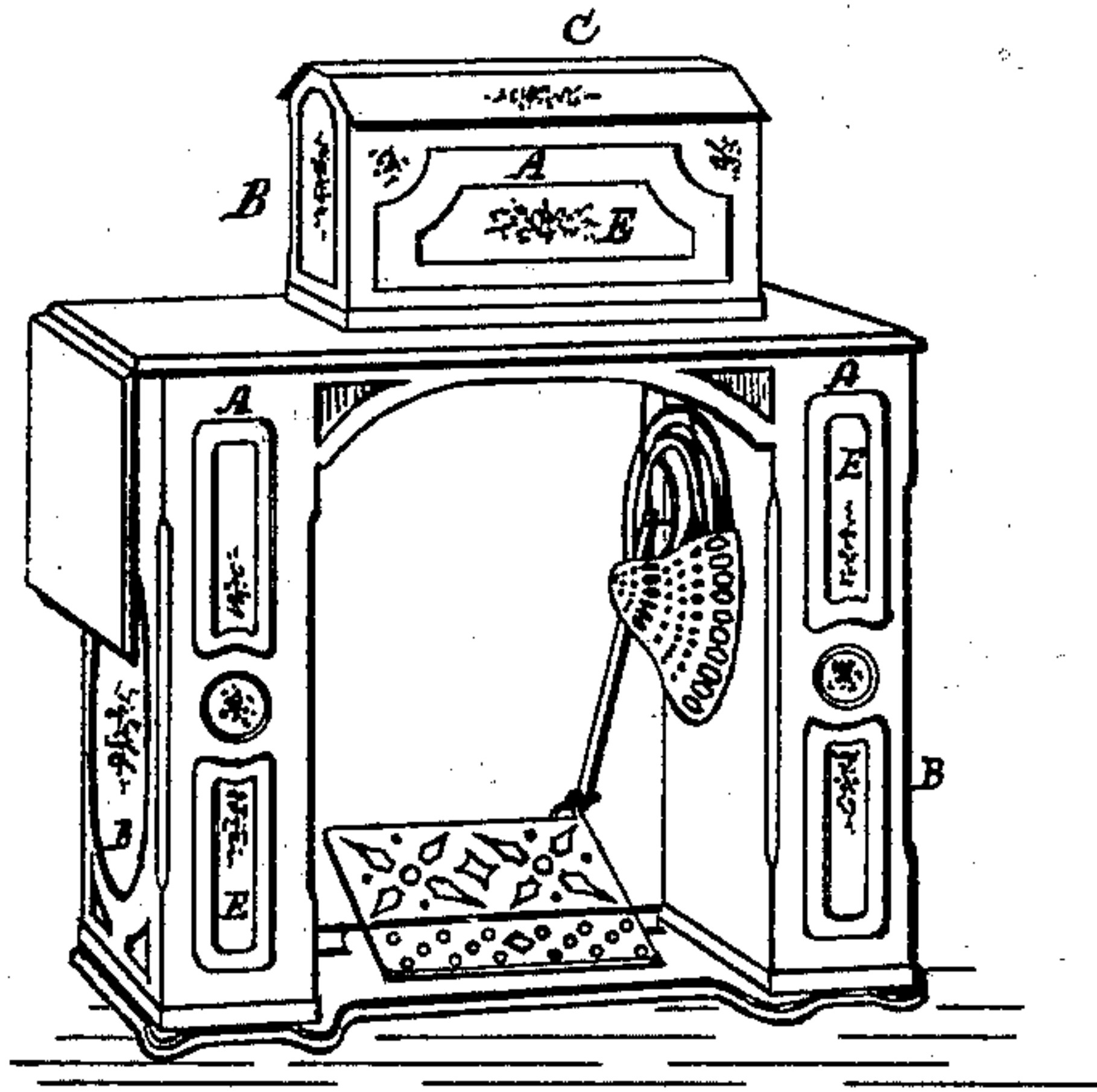


Fig. 1

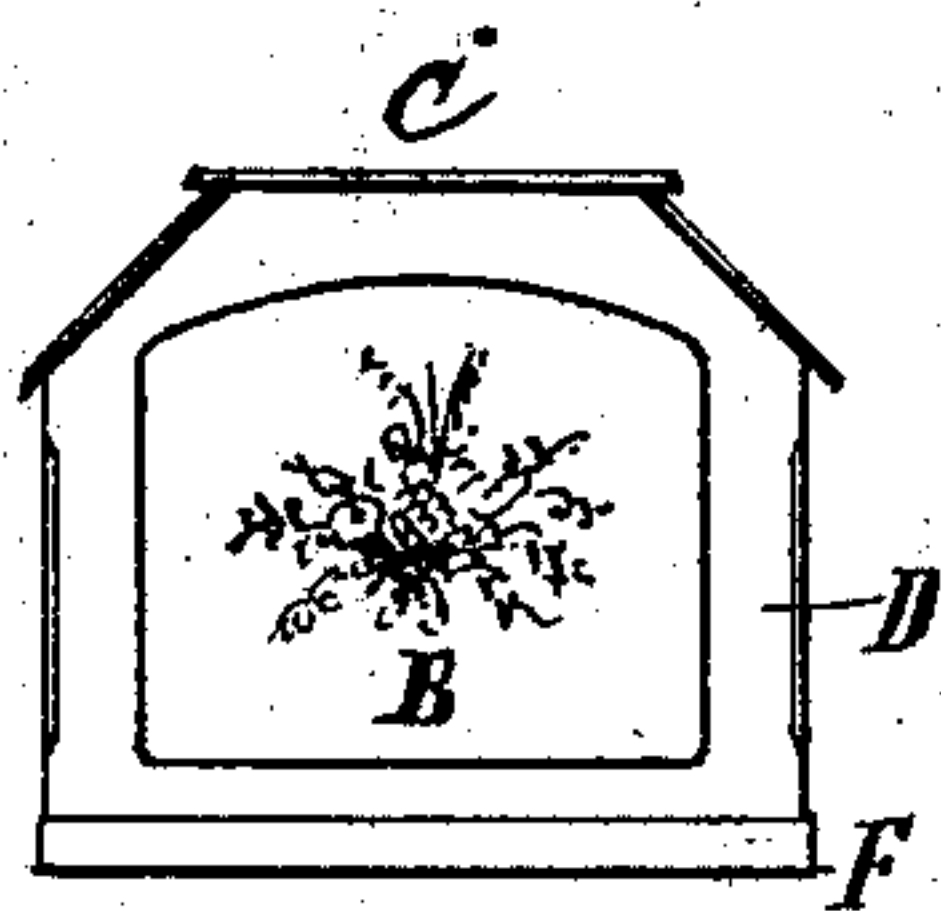


Fig. 2

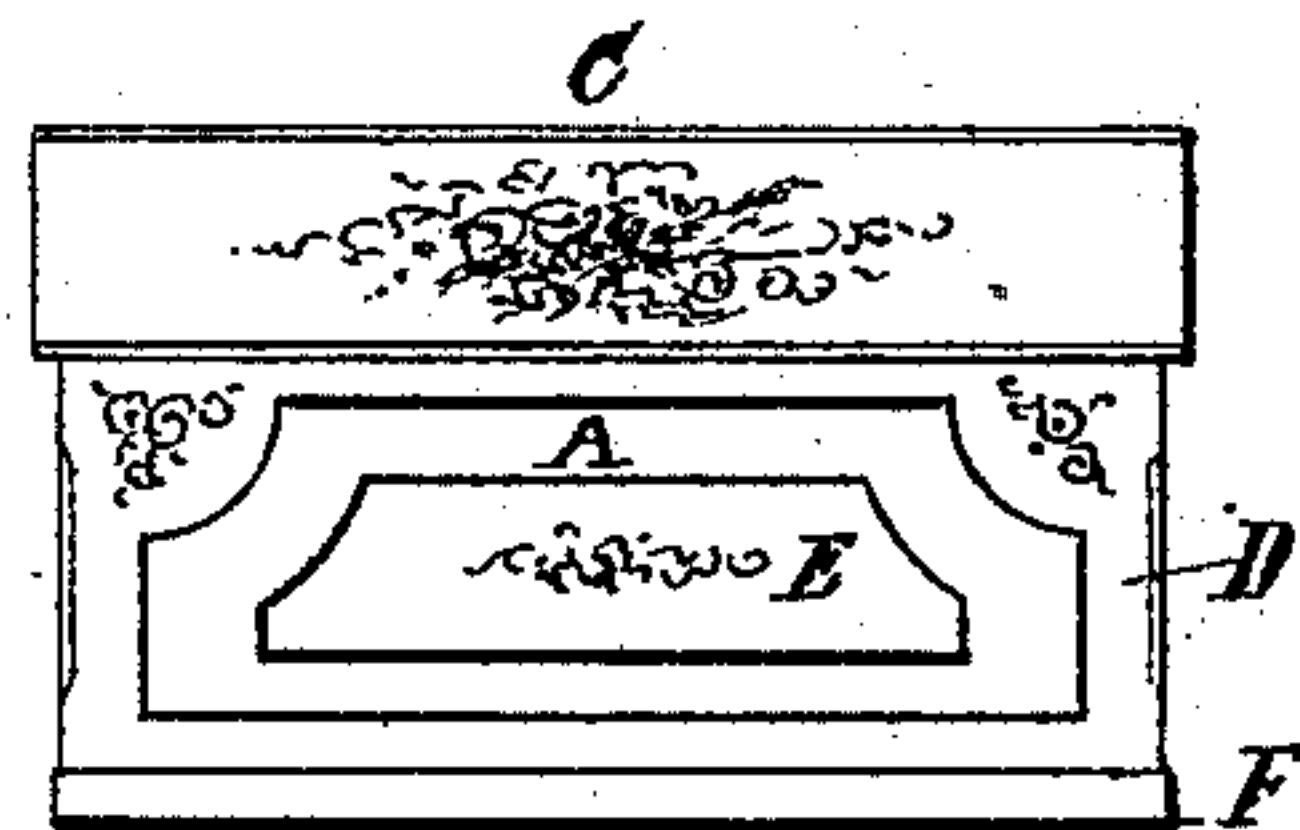


Fig. 3

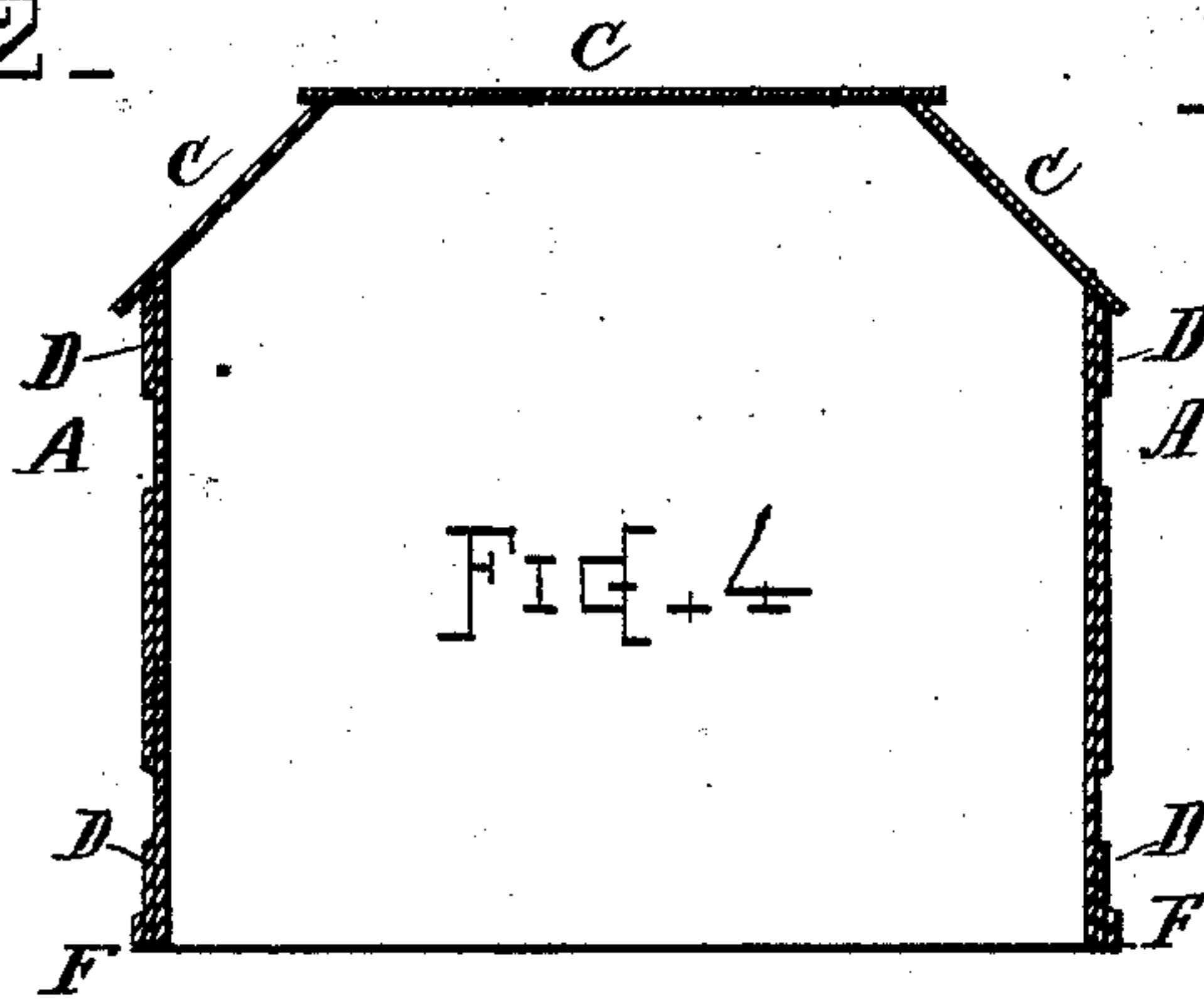


Fig. 4

WITNESSES—

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# UNITED STATES PATENT OFFICE.

GEORGE A. LOVELL, OF ORANGE, ASSIGNOR OF ONE-HALF TO ALBERT A. LOVELL, OF WORCESTER, MASSACHUSETTS.

## CASE OR CABINET FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 279,875, dated June 19, 1883.

Application filed August 9, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE A. LOVELL, of Orange, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Cases or Cabinets for Sewing-Machines; and I declare the following to be a description of my said invention sufficiently full, clear, and exact to enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

The object of my present invention is to provide a case for sewing-machines that shall be strong, light, durable, and ornamental, that will not warp and check by changes of temperature and climate, and which can be manufactured with facility and at moderate cost.

To this end my invention consists of a case or cabinet formed of paper or mill-board material, treated with an anti-warping or hardening preparation, and coated with enamel, substantially as hereinafter described.

In the drawings, Figure 1 is a perspective view of a sewing-machine, for illustrating the nature of my invention. Fig. 2 is an end view of the case. Fig. 3 is a front view of the same; and Fig. 4 is a transverse section, drawn to a larger scale.

In the construction of my improved sewing-machine case I use ordinary heavy mill-board or paper-board, or tar-board, similar to such as is used by book-binders. This is first cut to the proper forms for making the several parts of the case—such as the sides A, ends B, top C, and re-enforces D for the angles and raised panels E—as desired. These several parts can be cut by means of dies, or by other suitable means, and are readily fitted together and fixed in position by means of glue or other suitable fastenings. The corners of the case can be re-enforced by doubling the thickness of the paper-board, as at D, and raised panels may be formed, as at E, by additional thicknesses of paper material glued onto the sides or ends, as illustrated. A further re-enforce or rim can be made by a third thickness of paper-board around the edge, as at F. The case or cabinet, after it is formed, is completely saturated, filled, or coated with a hardening or anti-warping compound or prepara-

tion, such as described in my application for patent of even date herewith, and composed of drying-oil, shellac, alcohol, and chloride of zinc, or chemicals imparting effects of equivalent nature, which hardens and strengthens the material, prevents the parts from warping or twisting, fills the joints and depressions, and cements the several parts into a homogeneous construction having great stability and stiffness, while it is light and elastic. When the anti-warping compound is thoroughly dried, (by artificial means, if desired,) the exterior of the case is then coated and finished with japan or enamel by the ordinary process of japanning and baking. It may be decorated with pearl inlaid work, gilding, or other suitable ornamentation.

The individual parts may be severally treated or immersed in the anti-warping compound before they are put together, if desired, the whole being again coated therewith after the parts are put together and the case completed.

The style or design of the case or cabinet may be varied, as desired, to suit the requirements of particular machines.

The top of the case or the ends can be made round or curved, by wetting and bending the paper-board to the desired form before applying the anti-warping solution, and said solution will cause the curved portions to remain fixed in position.

For making the table-top the paper-board or pasteboard may be glued onto a wood foundation, in the manner of veneers, and the piece thus formed be hardened and surfaced with the anti-warping compound and then enameled.

Among the advantages incident to my invention may be mentioned the following: The cases or cabinets constructed as hereinbefore described are strong and light, and can be lifted and handled with ease. They will not warp, shrink, check, or swell by changes of temperature or climate, and are not affected or injured by heat or moisture, and are therefore especially serviceable for use in tropical countries. The cases are easily kept clean, are not liable to be broken or jammed by rough usage, and, while forming an elegant and desirable finish for the sewing-machine, they can be manufactured and furnished at a comparatively small cost.

What I claim as of my invention, and desire to secure by Letters Patent, is—

1. A case or cabinet for sewing-machines, formed of paper or paper-board consolidated  
5 with an anti-warping hardening compound or solution, and externally enameled, substantially as hereinbefore set forth.

2. The case or cabinet for sewing-machines, formed of the paper-board described, with re-

enforced angles, substantially as shown, and id having its exterior surface finished with enamel or japan, substantially as set forth.

Witness my hand this 3d day of August,  
A. D. 1882.

GEORGE A. LOVELL.

Witnesses:

WALDO R. FORRESTER,  
GEORGE BROWN.