

(No Model.)

2 Sheets—Sheet 1.

J. WERTHEIM.
SEWING MACHINE TABLE.

No. 378,636.

Patented Feb. 28, 1888.

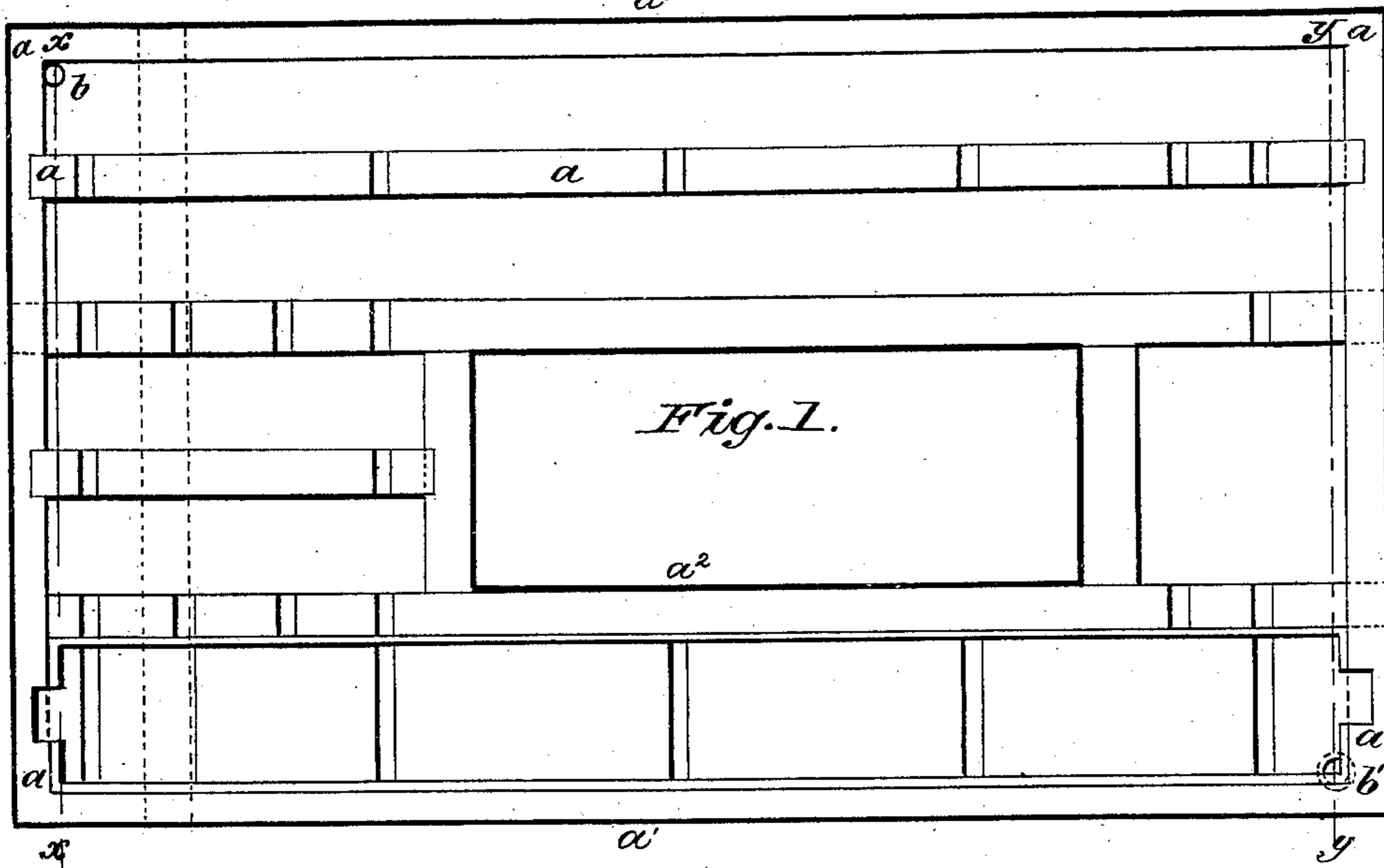


Fig. 2.

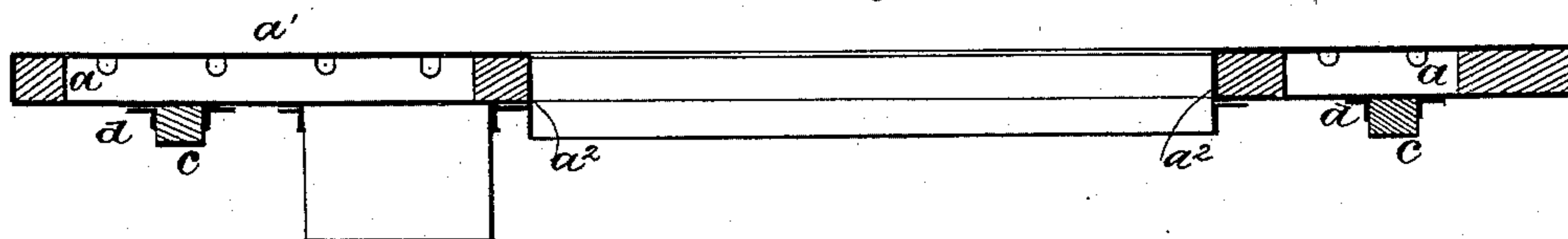


Fig. 4

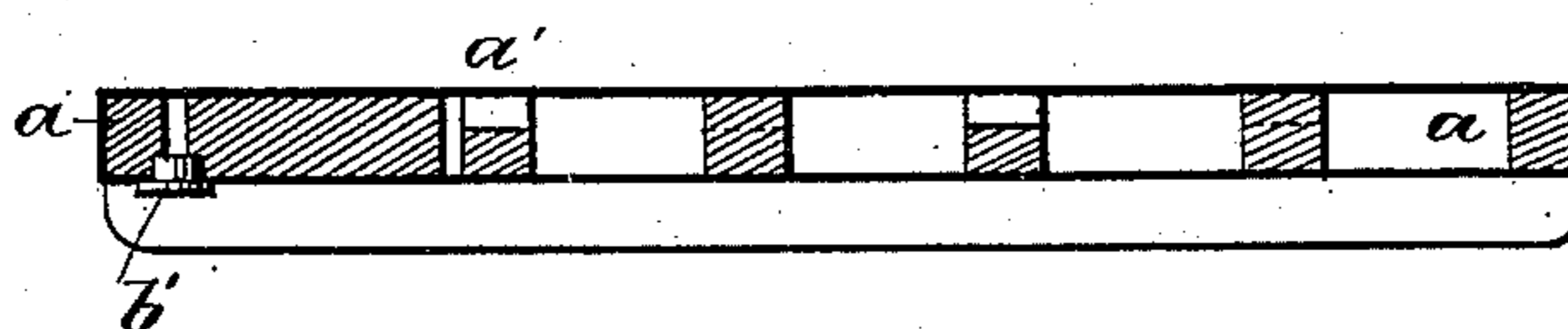
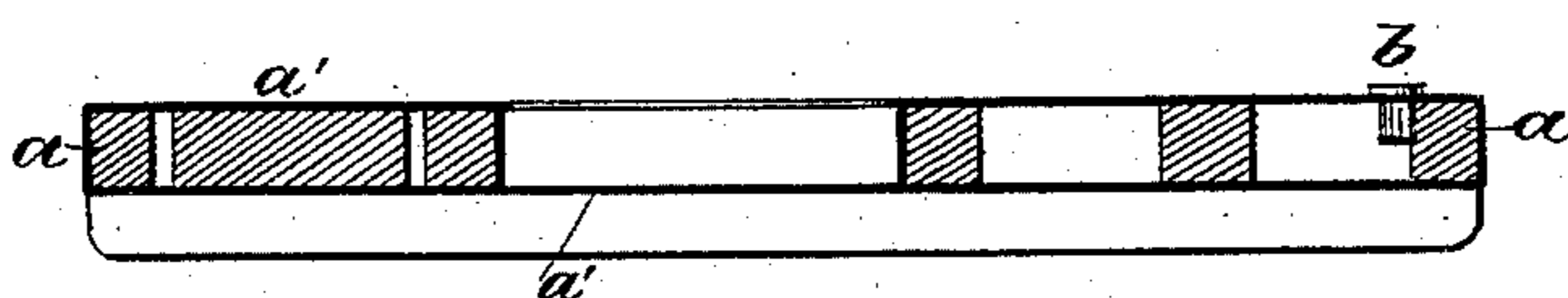


Fig. 3.



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(No Model.)

2 Sheets—Sheet 2.

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SEWING MACHINE TABLE.

No. 378,636.

Patented Feb. 28, 1888.

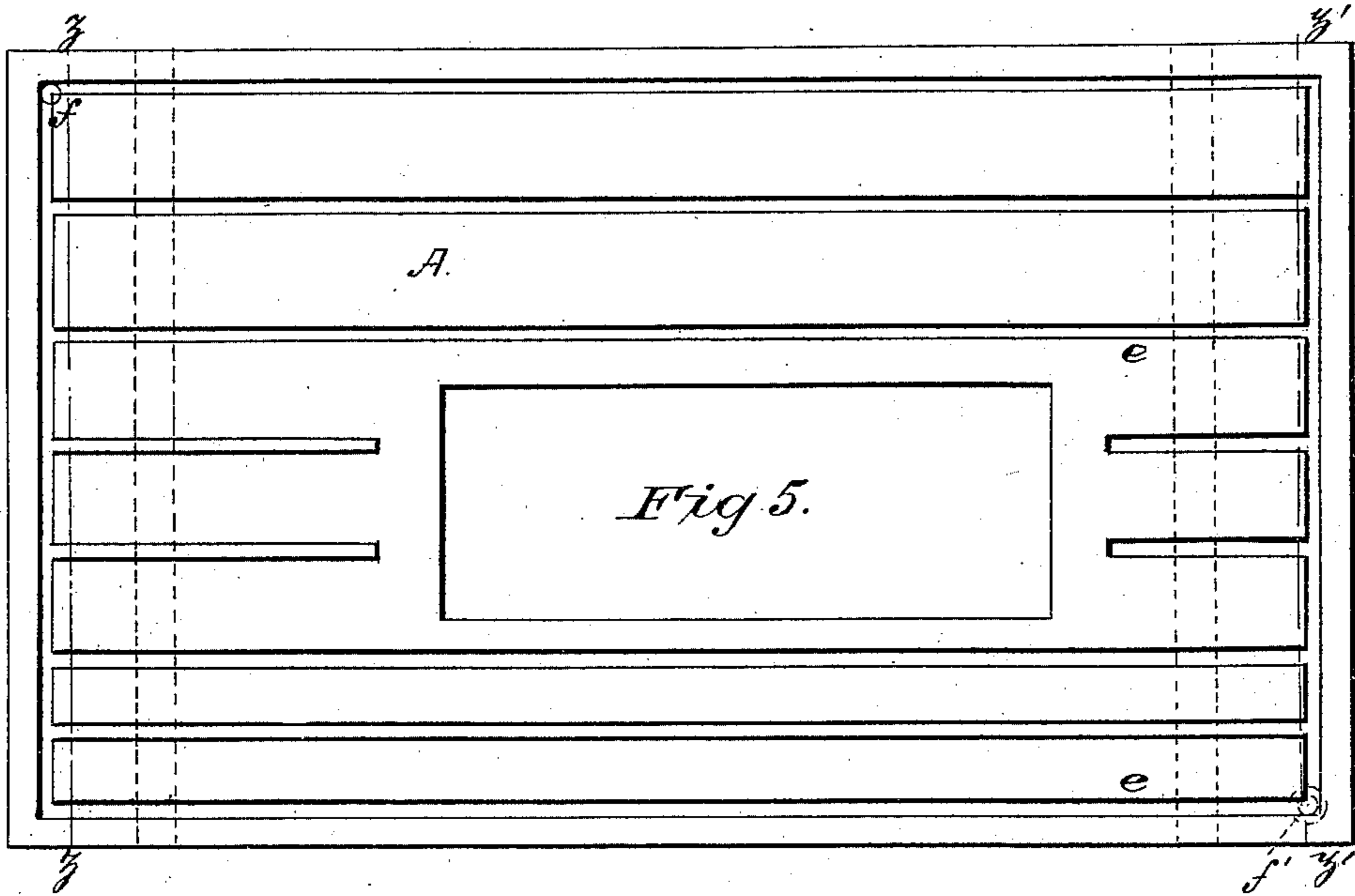


Fig. 6

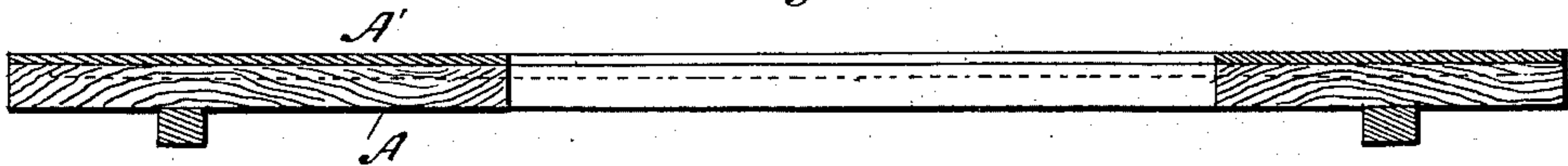


Fig. 7.

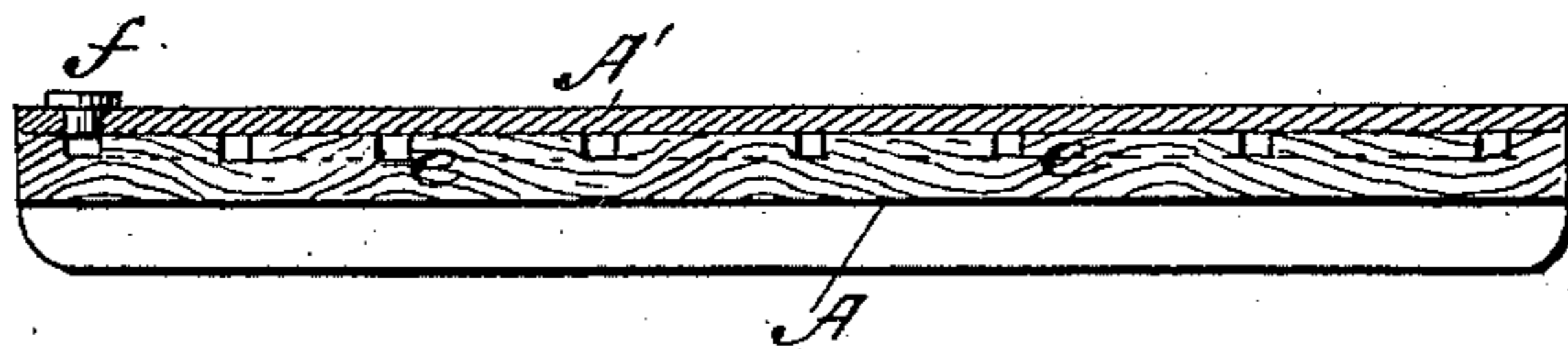
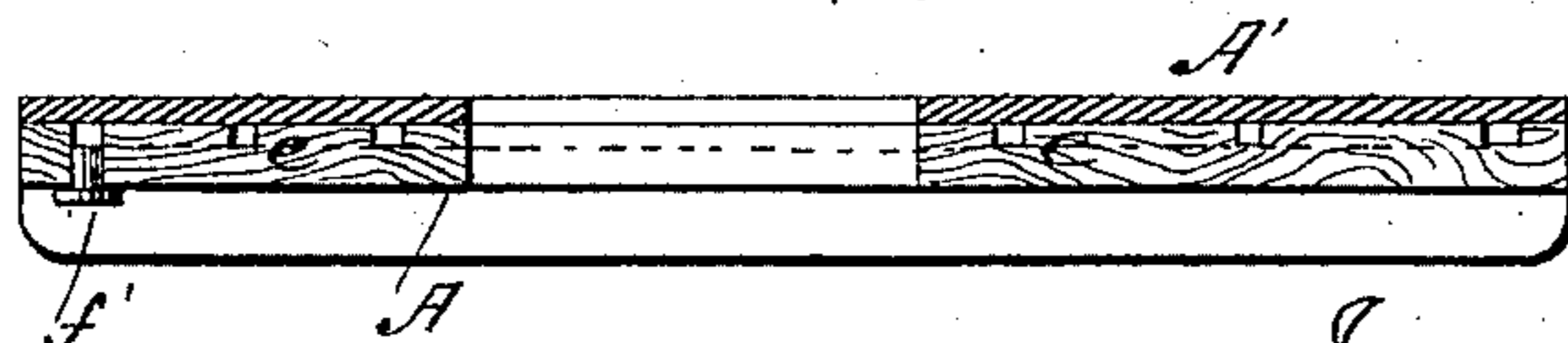


Fig. 8.



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UNITED STATES PATENT OFFICE.

JOSEPH WERTHEIM, OF FRANKFORT-ON-THE-MAIN, GERMANY.

SEWING-MACHINE TABLE.

SPECIFICATION forming part of Letters Patent No. 378,636, dated February 28, 1888.

Application filed May 9, 1887. Serial No. 237,644. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH WERTHEIM, of Frankfort-on-the-Main, Germany, have invented new and useful Improvements in Sewing-Machines, of which the following is a specification.

This invention relates to a non-resonant table-top of a sewing-machine stand, having for its object to render the working of the machine noiseless.

In the course of experiments for the production of a completely-silent sewing-machine it has been found that the wooden table-top of a sewing-machine stand loses its resonant quality completely when it is in a moist condition, the moistening being effected by the application of water or any other suitable liquid.

In the accompanying drawings, Figure 1 is a top or plan view of a sewing-machine top or table embodying my invention. Fig. 2 is a longitudinal section thereof. Fig. 3 is a transverse section taken on the line *x x* of Fig. 1. Fig. 4 is a similar section taken on the line *y y* of Fig. 1. Fig. 5 is a modification of my invention with the upper layer removed. Fig. 6 is a longitudinal section thereof; and Figs. 7 and 8 are transverse sections taken on the lines *z z* and *z' z'*, respectively, of Fig. 5.

A sewing-machine can therefore be rendered silent by the table-top of the stand on which it is supported being moistened and being maintained in this moist condition. For the purpose of maintaining the table-top in a moist condition it may, when moistened or saturated with moisture, be hermetically inclosed on all sides in lead or any suitable substance that is impervious to water. A hermetic closure is, however, unnecessary if the wooden table or plate be saturated with a solution of a hygroscopic body, which, by absorbing moisture from the air, prevents the table from drying. The substance most suitable for this purpose is chloride of calcium. The same object may also be attained by constructing the table-top of an open or grid-like wooden frame, *a*, (see Figs. 1 to 4,) which is completely inclosed with sheet metal *a'*, the openings made for the passage of the belts, &c., being also lined with sheet-metal casings *a''*, which are soldered to the metal sheets *a'*, covering the table, so that the table forms a tight vessel. Water or any other suitable liquid can be poured into this vessel through

an opening, *b*, closed by a screw-plug, so that the wood frame is moistened and the resonant quality of the wood and of the sheet metal deadened. The liquid may be drawn off when required at another screw-plug, *b'*, and the machine thus rendered lighter.

The top and bottom surfaces of the table are covered with thin plates of lead, so that the table is rendered completely non-resonant.

The cross pieces *c c*, by which the table-top is attached to the standards or legs of the stand, are affixed by means of sheet-metal angles *d d*, which are soldered to the under side of the table. The same object may be effected by constructing the sewing-machine table-top in another way, as shown in Figs. 5 to 8. In this case the table consists of two thicknesses or plates of wood, *A A'*, the lower and thicker plate, *A*, having a connected series of grooves, *e e*, ramifying over its surface, which is covered by the upper thinner wooden covering-plate, *A'*, which is fastened by screws or other suitable means to the lower plate, *A*. Water or any other suitable liquid is poured through an opening closed by a screw-plug, *f*, into the grooves, whereby the wooden plates are maintained in a moist condition, the water being permitted to pass off, when desired, by the removal of a plug, *f'*.

Having thus described my invention and the manner of employing the same, what I claim as my invention, and wish to have secured to me by Letters Patent of the United States of America, is—

1. A sewing-machine table-top which is saturated with a liquid and inclosed at top, bottom, and sides by plates or sheets secured thereto, substantially as shown and described.

2. In a sewing-machine, the table-top having in its upper surface a connected series of ramifying grooves to contain a liquid, which are covered by a thin wooden plate, substantially as set forth.

3. A sewing-machine table-top saturated with a hygroscopic solution, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH WERTHEIM.

Witnesses:

FRANZ HASSLACHER,
JOSEPH PATRICK.