

(No Model.)

2 Sheets—Sheet 1.

A. M. LESLIE.
SEWING MACHINE DRAWER.

No. 362,520.

Patented May 10, 1887.

Fig. 1.

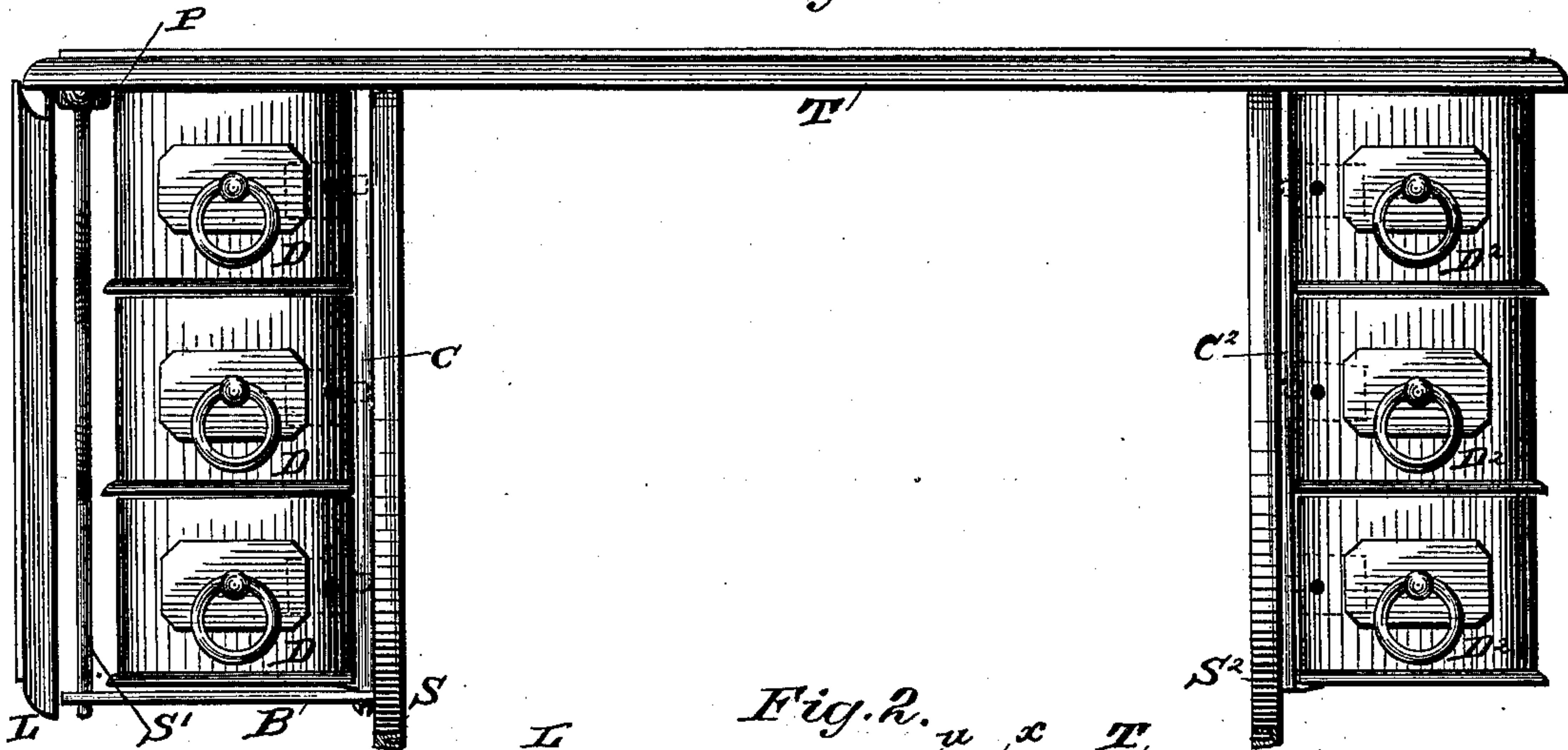


Fig. 2.

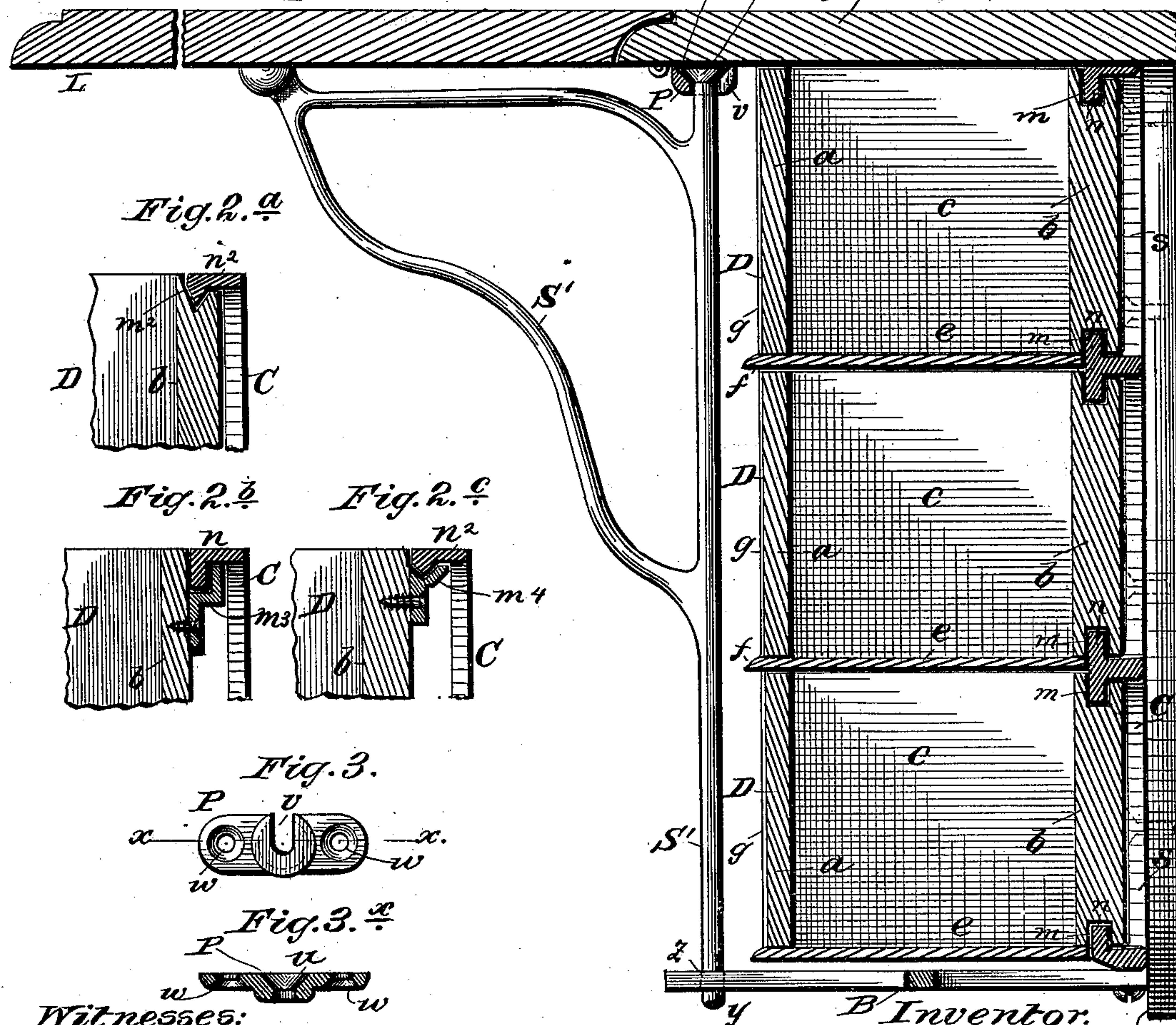


Fig. 2. a

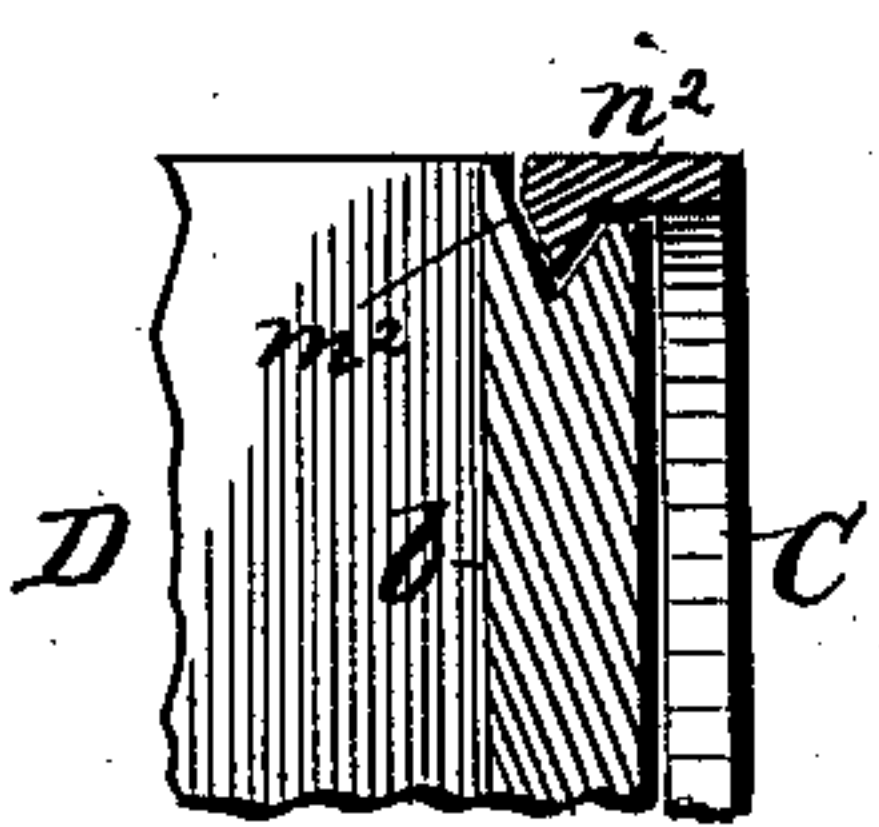


Fig. 2. b

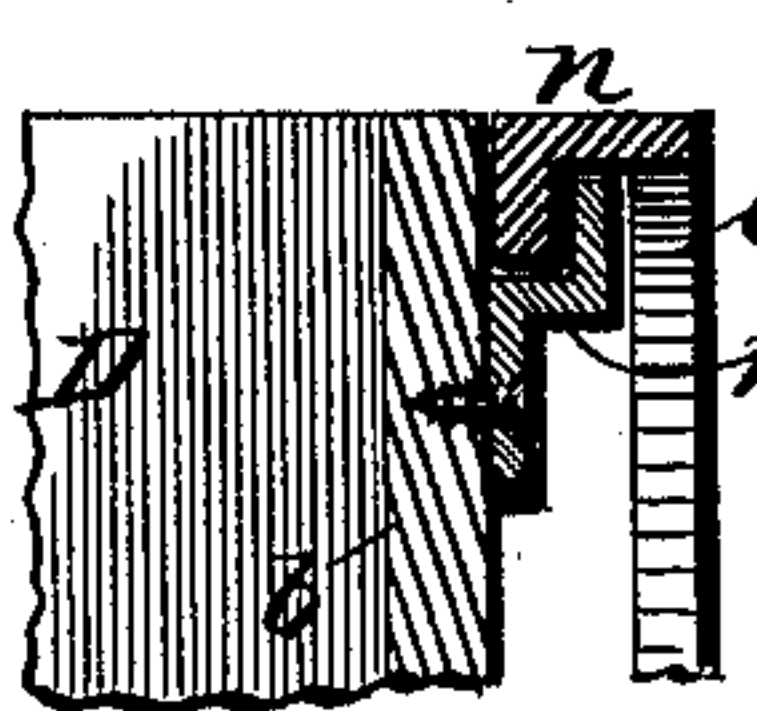


Fig. 2. c

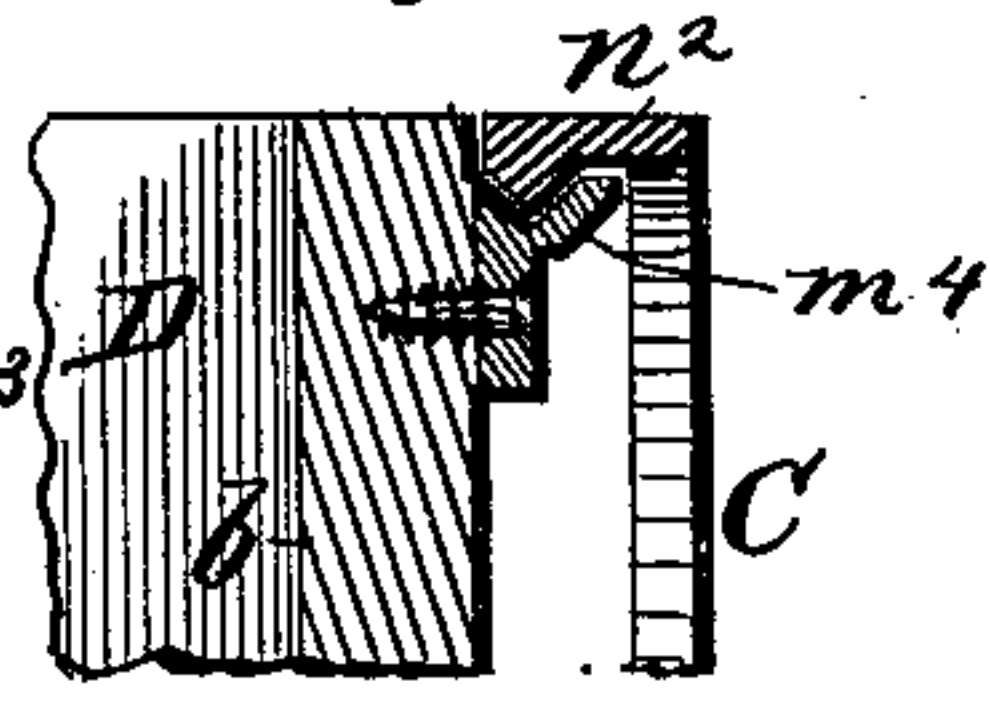


Fig. 3.

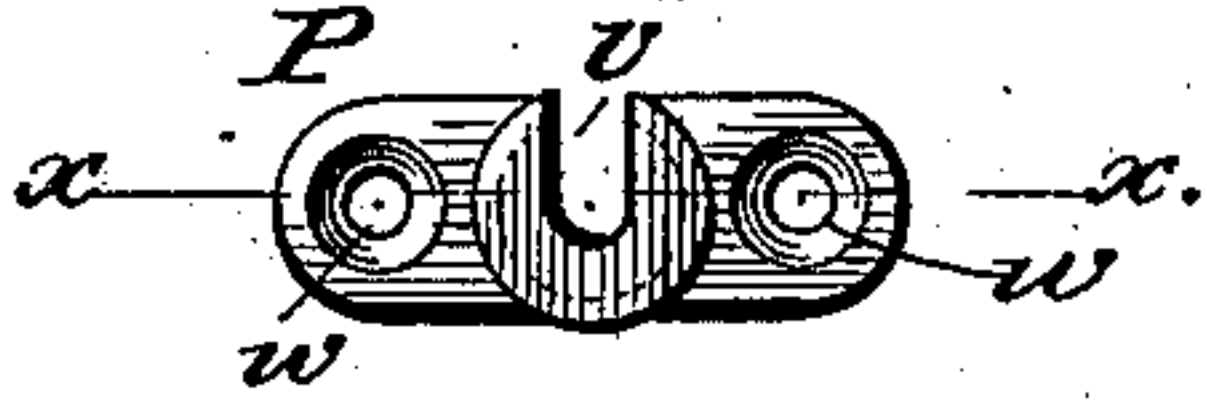


Fig. 3. a



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(No Model.)

2 Sheets—Sheet 2.

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Fig. 4.

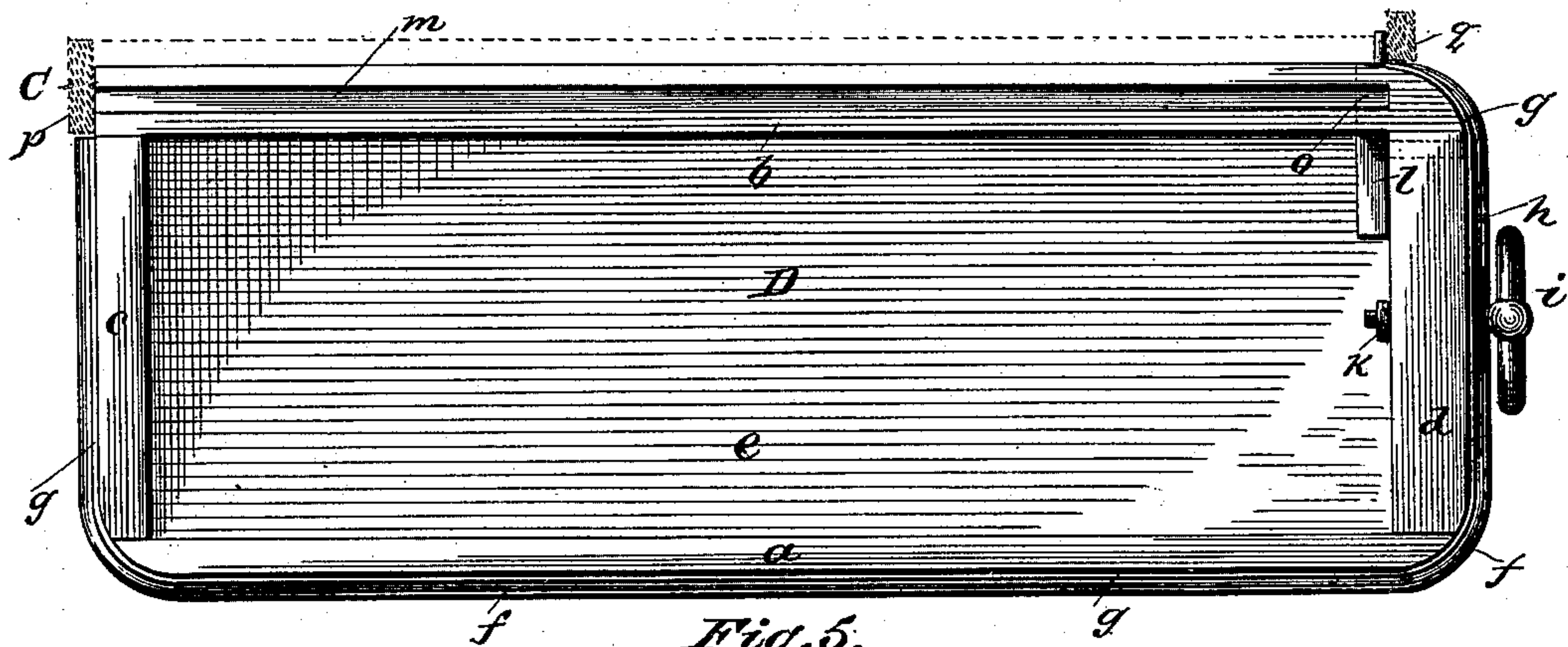


Fig. 5.

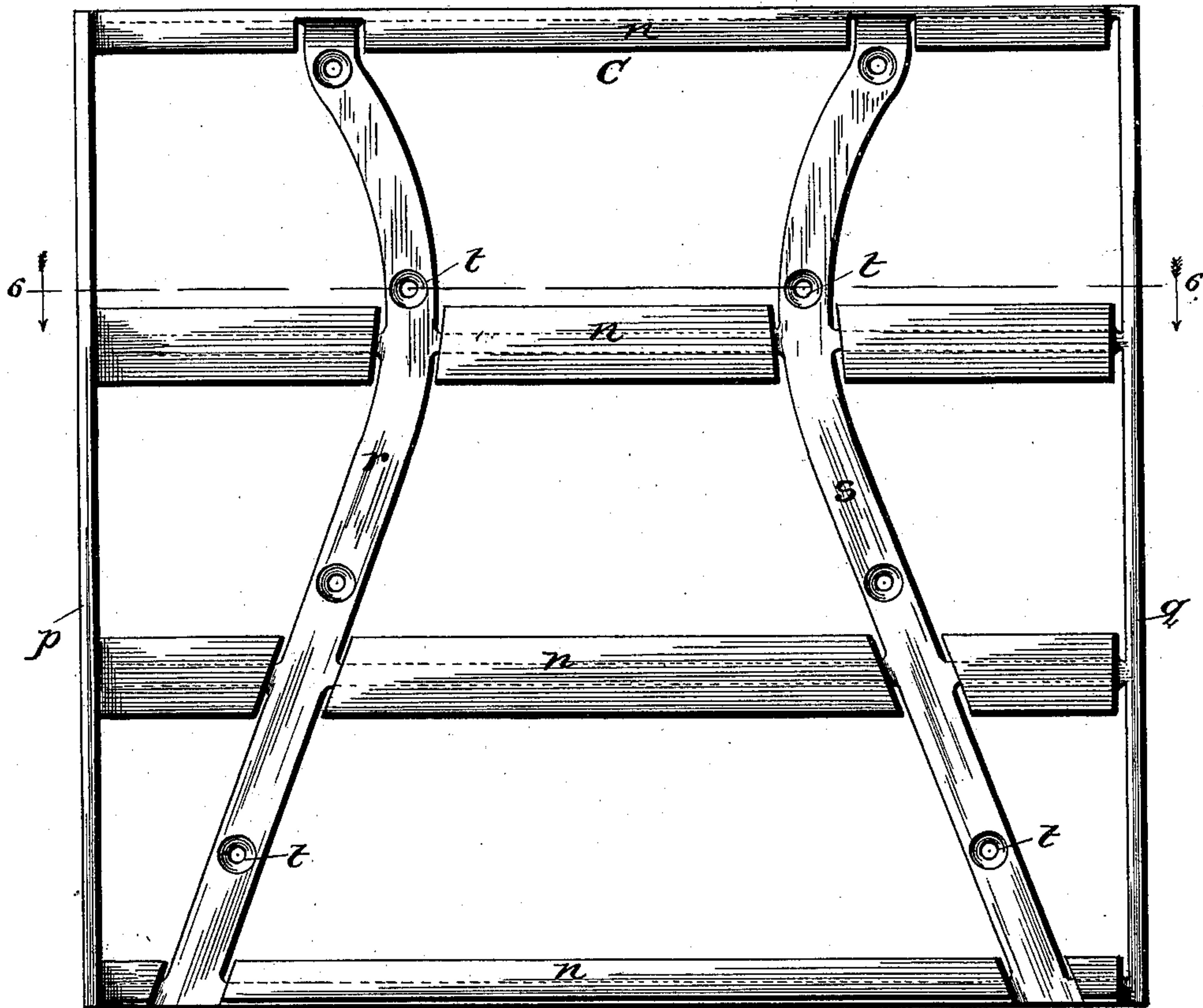
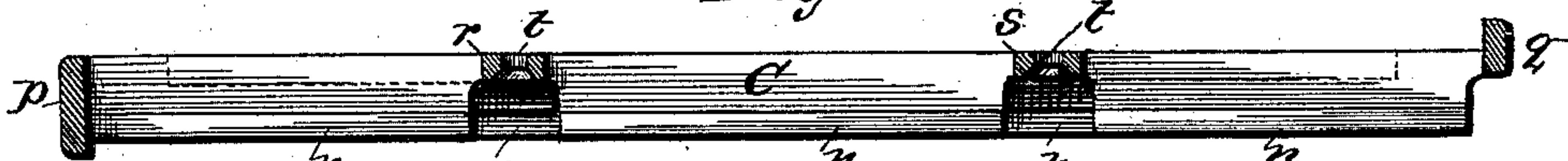


Fig. 6.



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UNITED STATES PATENT OFFICE.

ARTHUR M. LESLIE, OF CHICAGO, ILLINOIS.

SEWING-MACHINE DRAWER.

SPECIFICATION forming part of Letters Patent No. 362,520, dated May 10, 1887.

Application filed September 15, 1886. Serial No. 213,562. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR M. LESLIE, a citizen of the United States, and a resident of Chicago, in the State of Illinois, have invented
5 a new and useful Improvement in Sewing-Machine Drawers, of which the following is a specification.

The present invention relates to improvements in those sewing-machine drawers which
10 are customarily provided beneath the ends of the stand or table, and more particularly to improvements in the means by which the same are supported and guided, and in the table-leaf supports used therewith.

15 The primary objects of this invention are to so support such drawers as to wholly dispense with shelves between the drawers, so as to obviate the difficulties arising from the springing and warping of such shelves, and at the same time to afford each drawer ample
20 support, with facilities for applying locks to the respective drawers, and to pivot a conveniently-located table-leaf support with the requisite rigidity, and at the same time so as
25 not to interfere with the drawers.

This invention consists in certain novel combinations of peculiarly-constructed parts, as hereinafter described and claimed.

Two sheets of drawings accompany this
30 specification as part thereof.

Figure 1 of these drawings represents a front view of a sewing-machine table provided with a set of six drawers and a table-leaf support according to this invention. Figs. 2 to 6, inclusive, are large scale views showing in detail the left-hand drawers. Of these figures,
35 Fig. 2 represents a vertical section in a central plane. Figs. 2^a, 2^b, and 2^c are fragmentary sections illustrating proposed modifications. Figs. 3 3^x represent, respectively, a
40 bottom view and section of the suspending bearing of the leaf-support. Fig. 4 is a top view of one of the drawers. Fig. 5 is a face view of the guide-casting; and Fig. 6 is a section on the line 6 6, Fig. 5.
45

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

50 S S² represent the cast-iron legs or "standards" of the "table;" T, its wooden "top," and L its "drop-leaf," which may be of any approved make. Attached to the outer sides

of said standards are right and left guide-castings C C², to which, respectively, are fitted "bent wood" drawers D D², and a leaf-support, S', is pivoted at the left of the left-hand set of
55 drawers, as illustrated by Figs. 1, 2, 3, and 3^x. Each of said drawers is constructed, as illustrated by Figs. 2 and 4, with rectangularly-framed sides and ends *a b c d*, of suitable wood, sufficiently thick to render the drawer stiff and
60 strong, a bottom, *e*, attached to the lower edges of said sides and ends, and with its edges finished so as to form the customary "bead," *f*, and a continuous bent wood veneer, *g*, glued fast and covering the outer sur-
65 faces of the outer side, *a*, and the ends *d e*, as best seen in Fig. 4. A veneer panel, *h*, a ring-pull, *i*, fastened within the drawer by a screw-nut, *k*, and an internal lock, *l*, complete the drawer in the preferred style; but any of these
70 may be changed or omitted without materially changing the drawers as regards novelty.

Grooves *m* in the upper and lower edges of the inner side, *b*, of each drawer coact with
75 horizontal guide-rails *n*, which are integral with the remainder of said guide-castings C C². Said grooves have closed front ends, *o*, Fig. 4, so as not to mar the front ends of the drawers, and their rear ends are masked by
80 the broad rear bars, *p*, of said guide-castings, which form stops to limit the insertion of each drawer, so as to keep the front ends of the drawers even when the drawers are "closed." The bolts of the locks *l* coact with the front
85 bar, *q*, of each casting, as shown in Fig. 4. In addition to said guide-rails *n* and edge bars, *q p*, said guide-castings C C² have attaching-bars *r s*, conformed in shape to the upper portion of the standards S S² and provided with
90 screw-holes *t*, through which screws pass into holes in said standards to attach the castings. (See Fig. 2.) The rails *n* are cut away opposite these bars *r s*, as shown in Figs. 5 and 6, so that the whole may be readily molded. The
95 exposed front bar, *q*, may be nickel-plated or lacquered to make a neat finish.

As illustrated by Figs. 2^a, 2^b, and 2^c, in connection with Fig. 2, the particular shape of the guide-rails *n* and the way in which the
100 guide-grooves *m* are formed at the upper and lower edges of the drawer-sides *b* are not con-

sidered of vital importance. The effective edges of said rails may be either approximately rectangular, as shown at n in Figs. 2 and 2^b, or V-shaped, as shown at n^2 , Figs. 2^a and 2^c, and the guide-grooves, of corresponding shapes, may be either formed in the wood of the side b , as shown at m , Fig. 2, and m^2 , Fig. 2^a, or by metallic strips, either cast or of sheet metal, attached to the side b , as illustrated at m^3 and m^4 , Figs. 2^b, 2^c. Said leaf-support S', Figs. 1 to 3^x, is a malleable-iron casting. It is suspended by a pivot-bearing, P, having a countersink, u , and a slot, v , to admit the upper end of the stem of said support, and screw-holes w , through which wood-screws pass upward into the table-top T to attach it, said support being provided with a conical head, x , at the upper extremity of said stem to work in said countersink u . Said stem has a pivotal lower end, y , which works in a vertical socket, z , at the extremity of a Y-shaped brace, B, attached at its bifurcated end to the lower edge of said guide-casting C. The support S' folds behind the lowered leaf L, as shown in Fig. 1, and when the leaf is raised swings outward on said pivots and supports the leaf in horizontal position, as represented in Fig. 2.

Having thus described my said improvement in sewing-machine drawers, I claim as my invention and desire to patent under this specification—

1. In combination with sewing-machine drawers, each having a pair of guide-grooves formed, respectively, at the upper and lower edges of its inner side, a single guide-casting having horizontal guide-rails fitted to said grooves, and a laterally-extending rear bar, which connects said rails and limits the insertion of the drawers, substantially as herein specified.

2. In combination with sewing-machine drawers, each having a pair of guide-grooves formed, respectively, at the upper and lower edges of its inner side, and a fastening or lock with laterally-projecting bolt at its front end, a single guide-casting having horizontal guide-rails fitted to said grooves, and a vertical front bar which connects said rails and coacts with the lock-bolts, substantially as herein specified.

3. The combination, in a sewing-machine table, of an ordinary standard, a rectangular guide-casting having attaching-bars conformed to the upper portion of the standard and attached thereto, a series of horizontal guide-rails, and vertical front and rear bars connecting said rails, said rear bar projecting laterally as a stop, and a series of drawers, each having guide-grooves at the upper and lower edges of its inner side fitted to said rails, and a rear corner which coacts with said rear bar, substantially as herein specified.

4. In a sewing-machine table having a drop-leaf and drawers at one and the same end, the combination, with the coincident standard and the table-top, of a leaf-support depending from the latter, having a pivotal stem which is provided at its upper end with a pivotal head, a countersunk pivot-bearing fitted to said head and attached to the under surface of the table-top, and from which the leaf-support is inseparable when the parts are so assembled, and a brace provided with a pivot-bearing for the lower end of said stem and attached to the standard below the lowermost drawer, substantially as herein specified.

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Witnesses:

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