

No. 758,813.

PATENTED MAY 3, 1904.

C. S. BINNER, DEC'D.
S. E. BINNER, ADMINISTRATRIX.
MANIFOLD BOOK HOLDER.
APPLICATION FILED AUG. 24, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

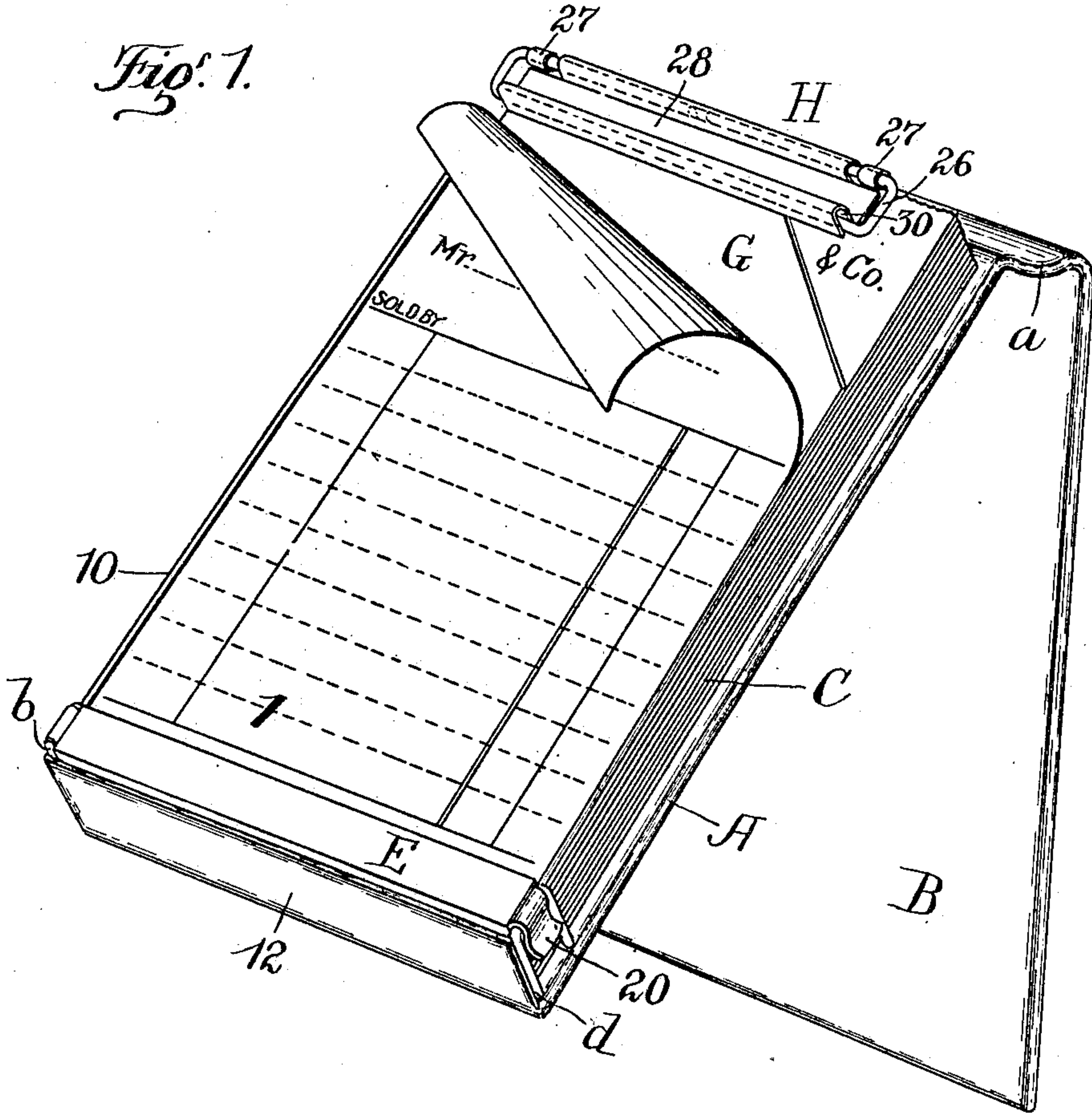


Fig. 2.

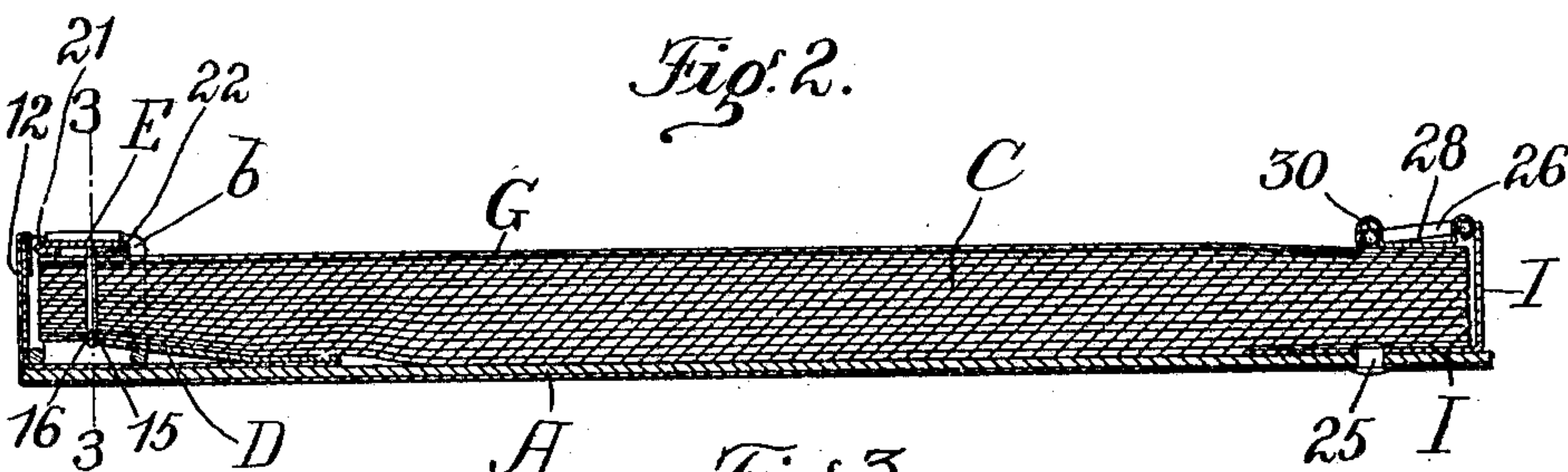
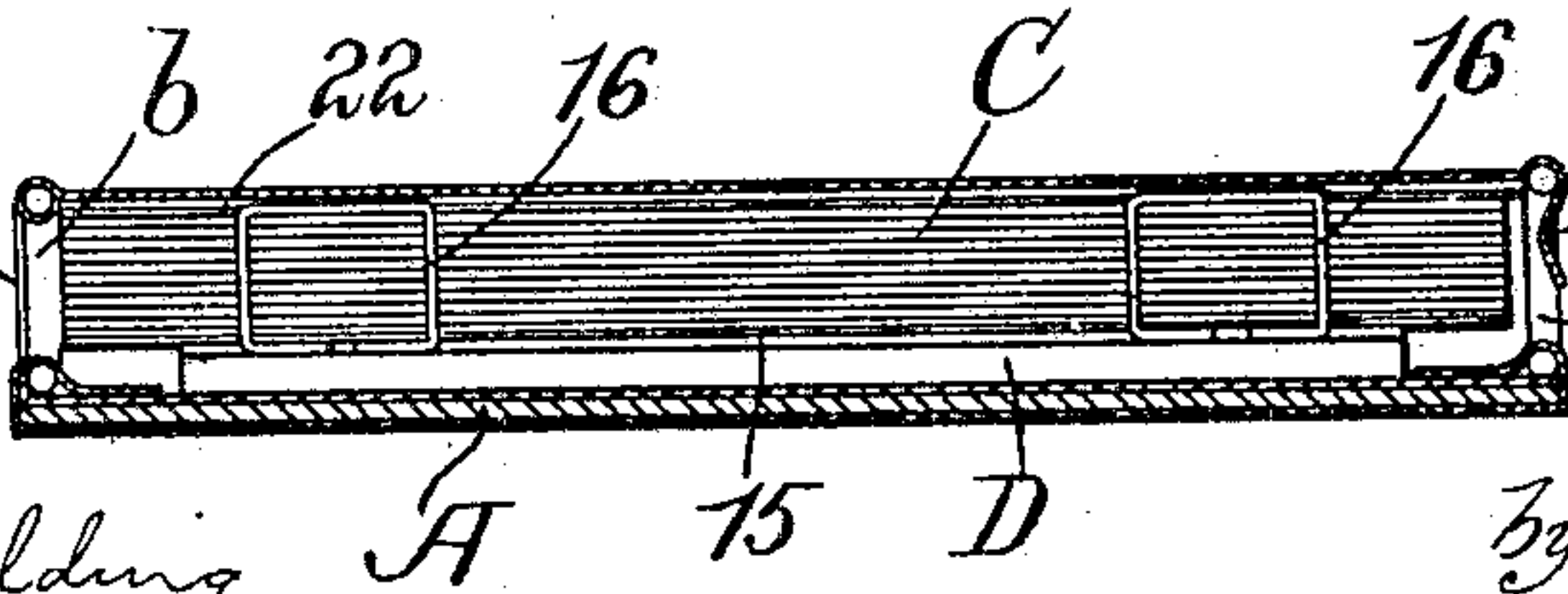


Fig. 3.



Witnesses:
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Att'y

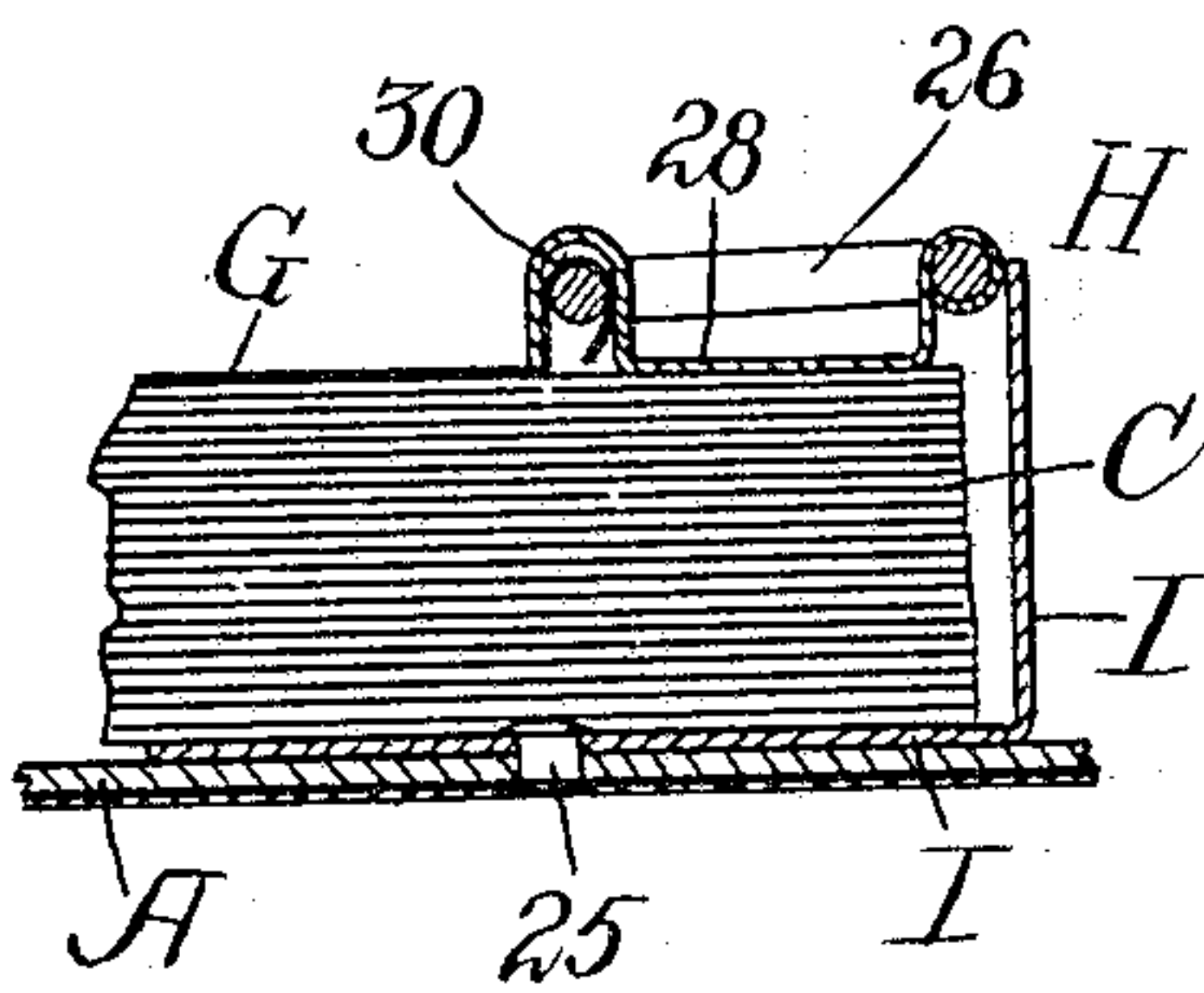
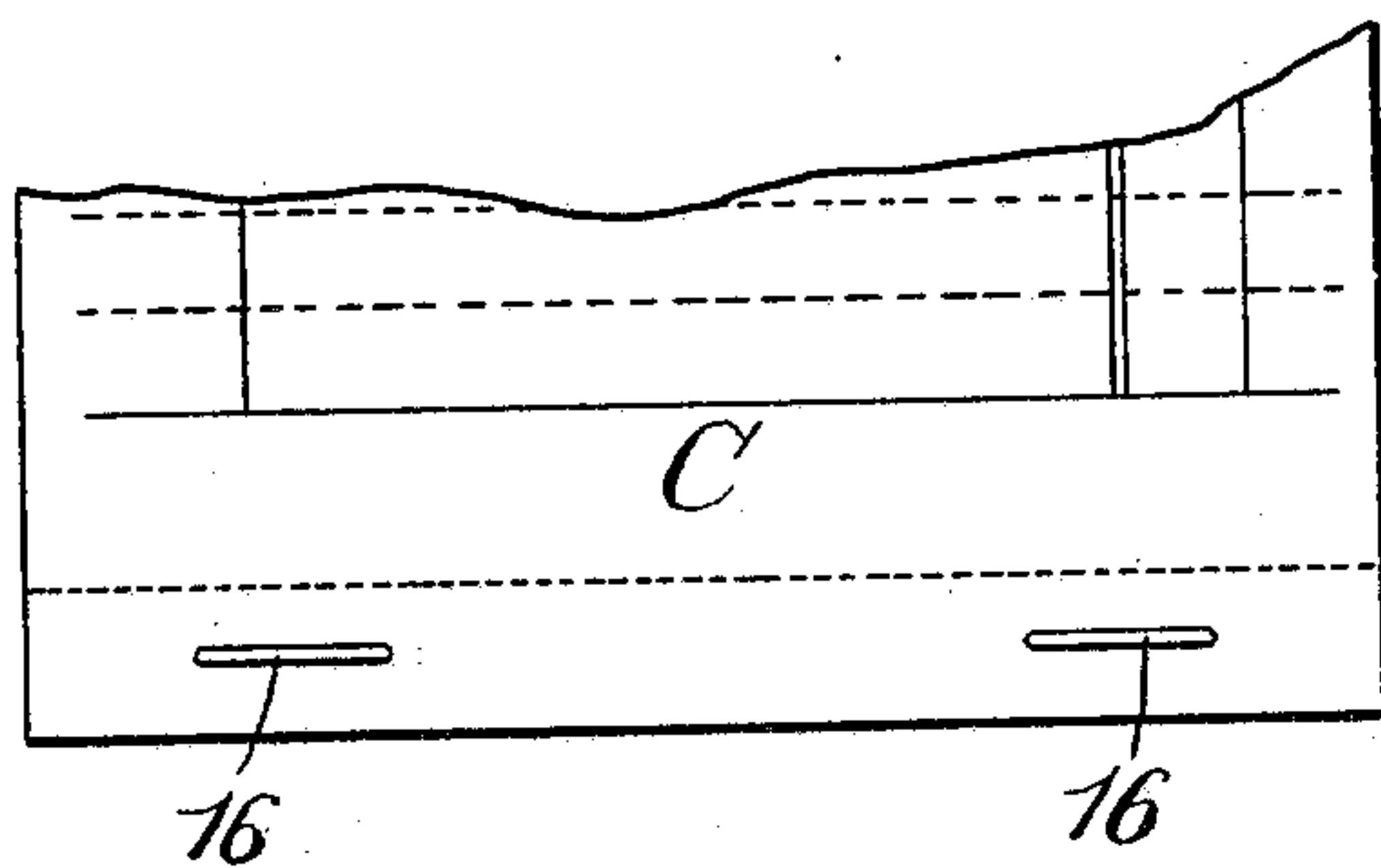
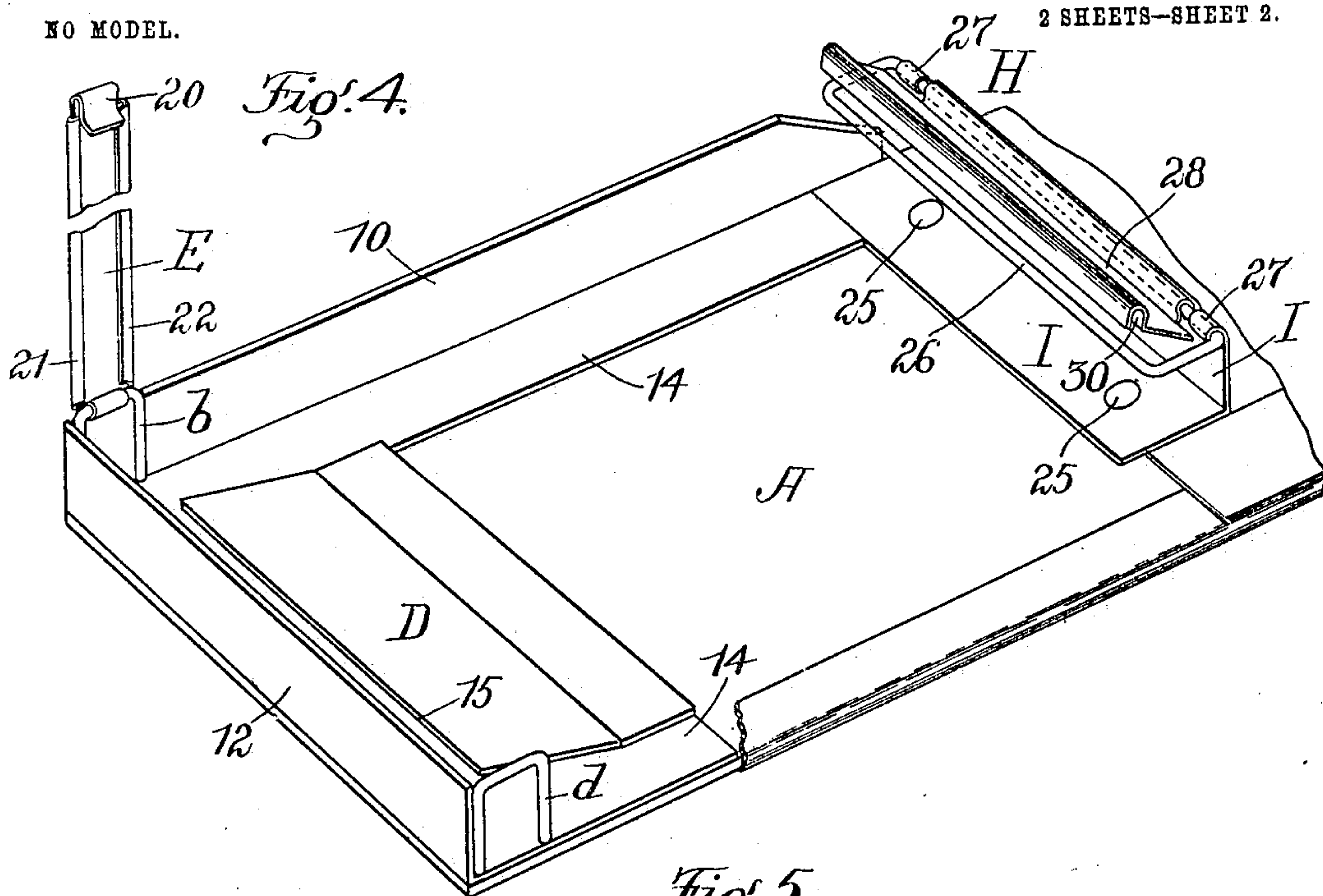
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NO MODEL.

2 SHEETS--SHEET 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES S. BINNER, OF MALDEN, MASSACHUSETTS; STELLA E. BINNER, ADMINISTRATRIX OF SAID CHARLES S. BINNER, DECEASED, ASSIGNOR TO THE C. S. BINNER CORPORATION, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MAINE.

MANIFOLD-BOOK HOLDER.

SPECIFICATION forming part of Letters Patent No. 758,813, dated May 3, 1904.

Application filed August 24, 1903. Serial No. 170,625. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. BINNER, a citizen of the United States, residing at Malden, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Manifold-Book Holders, of which the following is a specification.

My invention relates to manifold-book holders, and has for its object, first, to provide a simple and convenient device for removably securing the book or pad to its cover, and, secondly, to provide means whereby the carbon-sheet may be always held at the level of the top of the book or pad, the thickness of which is constantly changing as the leaves are torn off.

With these ends in view my invention consists in a yielding clamping device of novel construction adapted to secure the bound end of the book or pad within the cover or holder by engagement with the projecting stitch or stitches or other binding device by which its leaves are held together; and my invention also consists in the peculiar construction of the carbon-sheet holder and in certain other details and combinations of parts, as will be hereinafter fully set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my manifold-book holder open and ready for use. Fig. 2 is a longitudinal section of the lower half of the same. Fig. 3 is a transverse section on the line 3 3 of Fig. 2. Fig. 4 is a perspective view of the lower half of the holder with the book or pad removed and the hinged clamping-bar thrown back to show the yielding spring-plate beneath the same. Fig. 5 is a plan of the bound end of the book or pad. Fig. 6 is an enlarged transverse section of the carbon-sheet holder.

In the said drawings, A B represent the under and upper covers of a manifold-book holder connected, as usual, by a flexible back *a*, the cover A being provided at the left-hand side and lower end with upturned flanges 10 12, forming protecting-walls for the edges of the manifold book or pad C, said flanges being a portion of a sheet-metal plate 14, secured to the inner side of the cover A.

D is a narrow plate inclined upwardly in the direction of its width, and composed of thin spring sheet metal soldered or otherwise secured on one side to the plate 14, and extending transversely across the lower portion of the cover A parallel with the flange 12, so as to leave a space between its upturned edge 15 and the said flange 12 greater than that between the wire binding cleats or stitches 16 and the lower edge of the book C, said upturned spring edge 15 being adapted to engage the lower projecting portions of said wire stitches when the bound end of the book is placed against the flange 12 of the cover, as shown in Fig. 2, and pressed down firmly upon said yielding spring D by a swinging clamping-bar E, which is hinged at one end to a wire *b*, bridging the space between the flanges 10 12, and is provided at its opposite end with a hooked catch 20, which is adapted to be sprung over a wire staple *d*, projecting from the right-hand edge of the cover A, whereby it is securely locked in place. The bar E is provided on the under side at its longitudinal edges with ribs or lips 21 22, formed in the present case by turning over the edges of the sheet metal of which the bar is composed, the lip 22 being adapted to engage the projecting wire stitches on the upper side of the book, as shown in Figs. 2 and 3, the book being thus held securely in position by the engagement with its wire stitches or binding device of the spring-plate D on the under side and the lip 22 of the bar E on the opposite or upper side in such manner that all of the leaves can be torn out of the book either singly or in pairs without any liability of its becoming disengaged from the holder, for the reason that the height of the wire stitches confined between the upper and lower members of the clamping device remains the same without regard to the number of leaves that may have been withdrawn.

It will be obvious that the above described clamping device will serve equally well for holding a book or pad in which a single centrally-placed stitch is employed instead of two, as herein shown, or where the leaves of

the book are held together by any other suitable binding device, thus adapting the holder for general use with any book or pad having its leaves bound together by a suitable binding device. In removing the book it is simply necessary to unhook the catch 20 and raise the swinging bar E, when the book will be free to be withdrawn from the holder.

When clamped in place, the book is held against lateral displacement by the flange 10 on one side and the staple *d* on the other and can only be removed when the bar E is raised. By the employment of the swinging clamping-bar E in connection with the spring-plate D, which yields under the downward pressure of the book, it will be seen that my improved holder is well adapted for use with books of slightly-varying thicknesses, thus avoiding any liability of the book dropping out of the holder.

G is the carbon-sheet, which is secured to a swinging carrier or holder H, mounted on the upper edge of an angle-plate I, secured by rivets 25 to the bottom of the cover A. This carrier consists of a wire link or loop 26, having two parallel side bars, one of which is hinged to the upper edge of the plate I by passing through eyes 27 27, formed at its opposite corners by turning over projecting portions of the metal, and a narrow plate 28, which lies between the side bars of the link 26 and is hinged upon the side bar which lies between the said eyes 27 27, the said link and plate forming the two clamping members of the carrier. The edge portion of the plate 28 opposite to its hinged edge is doubled or bent into U shape, forming a longitudinal groove 30 for the reception of the end portion of the carbon-sheet G, into which groove it is forced by pressing therein the underlying side bar of the link 26, the carbon-sheet being thus held between the spring-walls of the groove 30 and the link 26, as shown in Figs. 2 and 6.

When thus held, the plate 28 and the link 26 swing together, and it will be seen that the carrier can then be swung into any position required to bring the carbon-sheet to the level of the top of the book without regard to its thickness, which is constantly diminishing as the leaves are torn out, thus enabling the carbon-sheet to always lie flat upon the surface of the recording-sheet, as desired.

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

1. In a manifold-book holder, the combination with the cover provided with a spring-plate inclined upwardly in the direction of its width and extending transversely across the said cover and adapted to engage the bound end of the manifold book or pad on the under side of the same, of a clamping-bar adapted to hold the bound end of the book down upon said spring-plate, and means for locking the clamping-bar when down upon the book.

2. In a manifold-book holder, the combination with the cover provided with an upwardly-inclined spring-plate extending transversely across the same and adapted to engage the binding device of the manifold book or pad on the under side of the same, of a swinging clamping-bar adapted to hold the bound end of the book down upon said spring-plate, and means for locking the clamping-bar when down upon the book.

3. In a manifold-book holder, the combination with the cover provided with an upwardly-inclined spring-plate extending transversely across the same, and adapted to engage the binding device of the manifold-book on the under side of the same, of a swinging clamping-bar arranged above said spring-plate and adapted to hold the bound end of the book thereupon so that the free edge of the spring-plate will engage the said binding device, said clamping-bar being provided on its under side with a longitudinal lip or rib adapted to engage the binding device on the upper surface of the bound end of the book, and means for locking the clamping-bar when swung down upon the book.

4. In a manifold-book holder, a book-retaining device comprising an upwardly-inclined spring-metal plate extending transversely across the cover and adapted to engage the binding device on the under side of the bound end of the book, a swinging clamping-bar arranged above said spring-plate and adapted to press the end of the book upon the same to produce an engagement of the free edge of the plate with the binding device of the book, said clamping-bar being provided on its under side with a longitudinal lip or rib adapted to engage the said binding device on the upper surface of the book, and means for locking the clamping-bar when swung down upon the book.

5. In a manifold-book holder, the combination with the cover having a transverse plate extending up therefrom at a right angle, of a swinging carbon-sheet carrier mounted on the upper edge of said transverse plate and comprising a wire link having parallel side bars one of which is hinged to said transverse plate at the opposite ends of the same, and a narrow independently-swinging plate adapted to lie between the side bars of the link and hinged at one edge upon one of the said bars and having its opposite edge turned over to form a U-shaped groove for the reception of the carbon-sheet and the outer side bar of the link by which said carbon-sheet is clamped within said groove.

Witness my hand this 21st day of August, A. D. 1903.

CHARLES S. BINNER.

In presence of—

P. E. TESCHEMACHER,
F. B. SPAULDING.