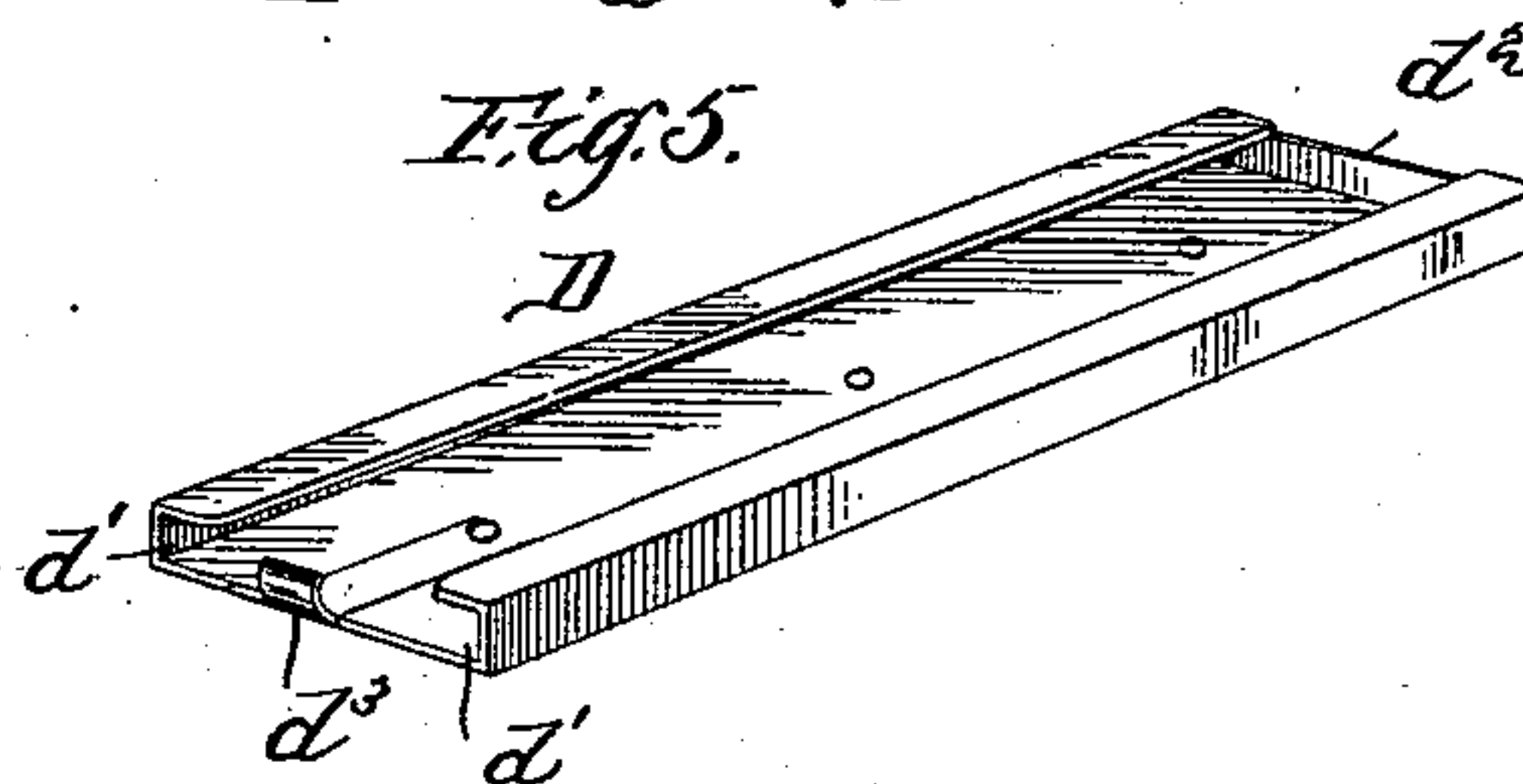
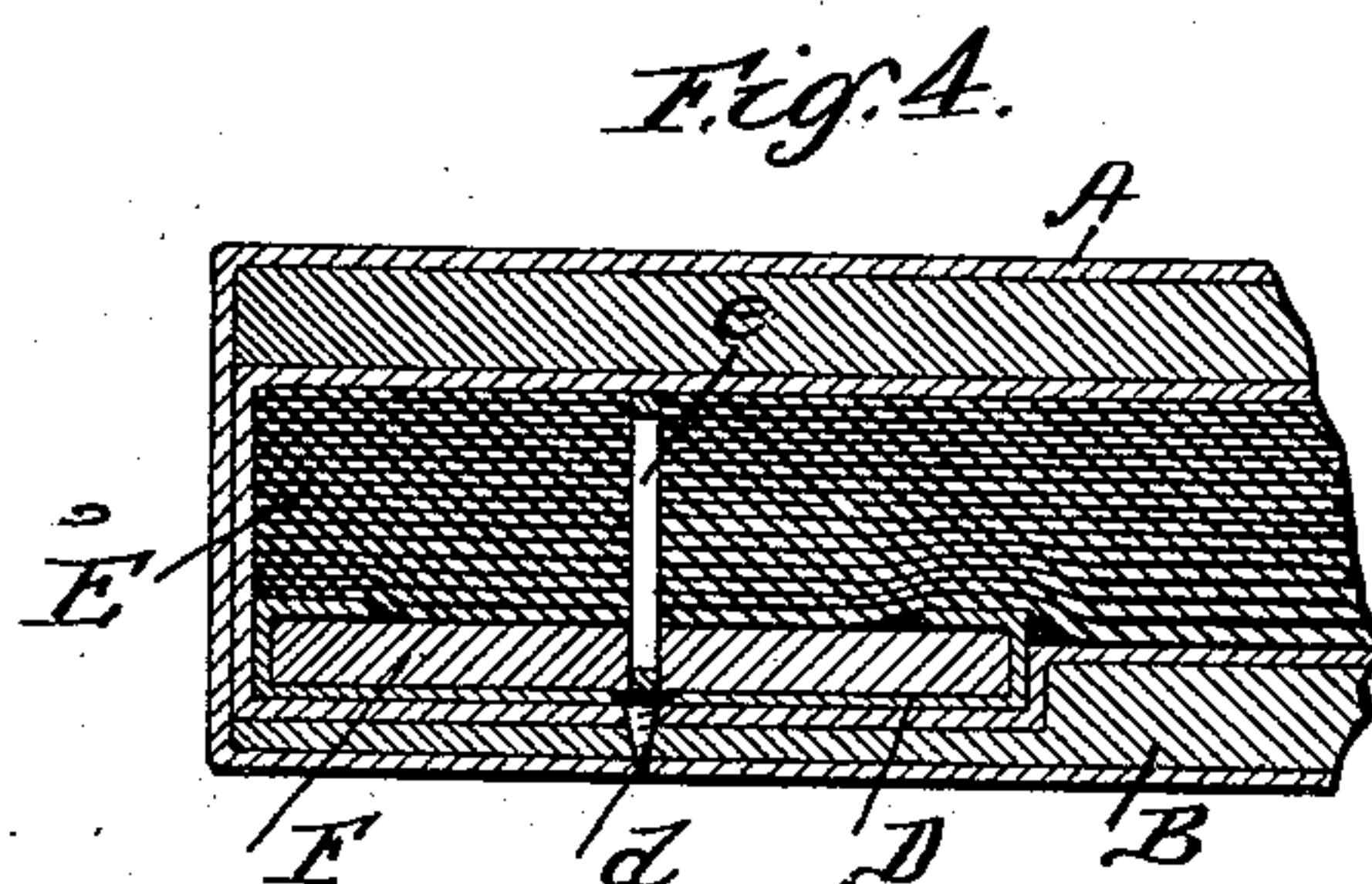
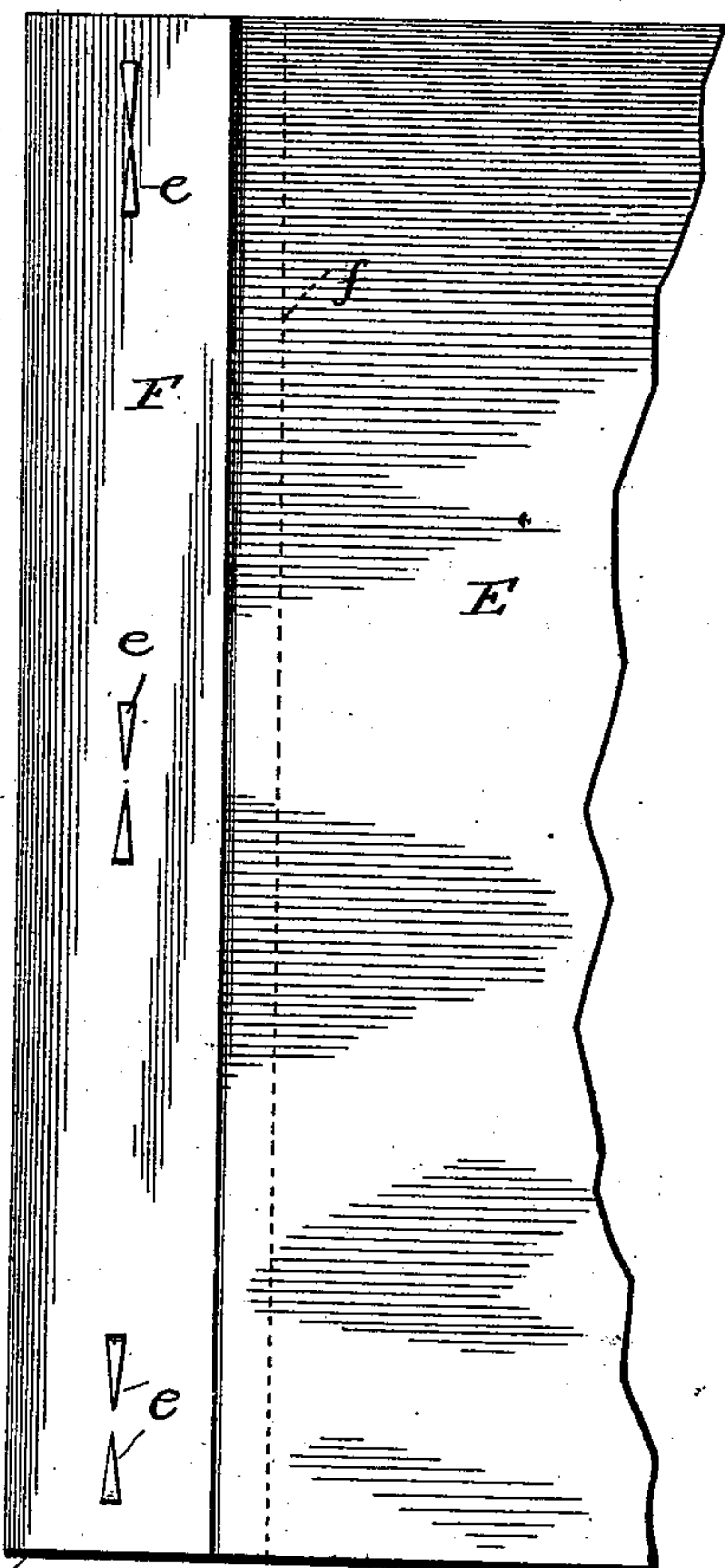
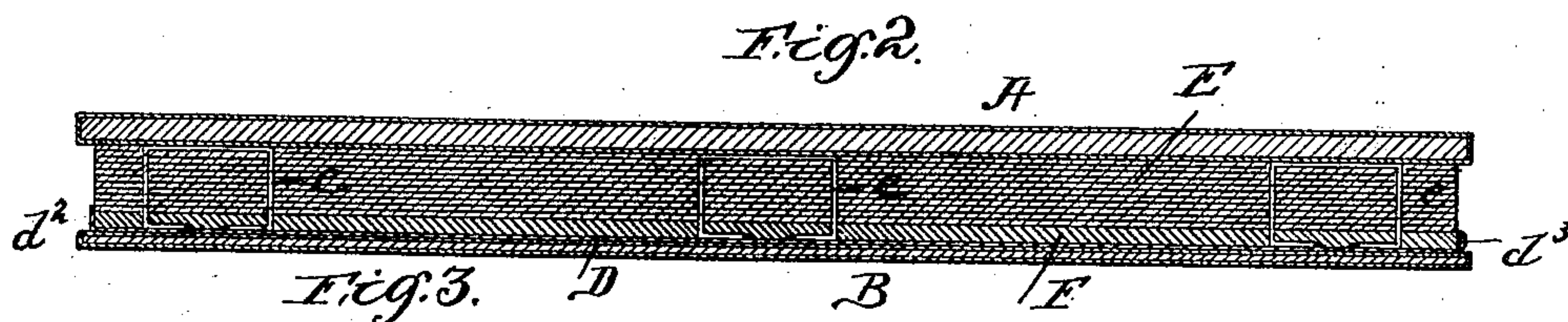
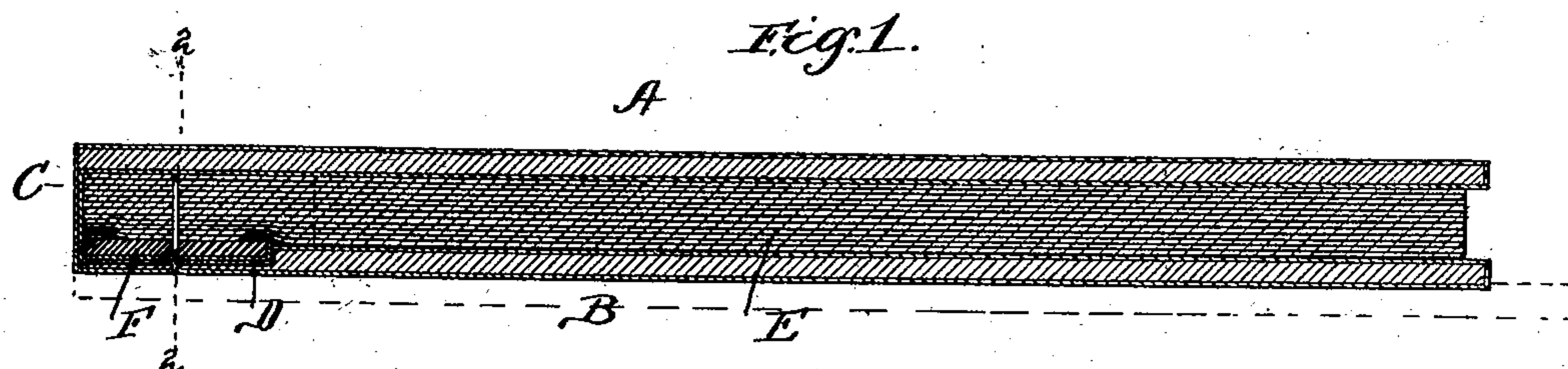


(No Model.)

J. S. McDONALD, Jr.
DETACHABLE BOOK COVER.

No. 513,814.

Patented Jan. 30, 1894.



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UNITED STATES PATENT OFFICE.

JAMES S. McDONALD, JR., OF CHICAGO, ILLINOIS.

DETACHABLE BOOK-COVER.

SPECIFICATION forming part of Letters Patent No. 513,814, dated January 30, 1894.

Application filed June 27, 1892. Serial No. 438,140. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. McDONALD, Jr., a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Detachable Book-Covers, of which the following is a specification.

This invention relates to improvements in detachable book covers, for covering a number of sheets or leaves previously secured together in an unbound book form, but is more specifically designed and adapted for covering an unbound book of order sheet blanks of so-called manifold books, that is to say, books, the leaves of which constitute orders in series, used in connection with a carbon sheet, by which the original impression is, by the use of carbon sheets, simultaneously reproduced upon one or more additional blanks, which, together with the impression sheet, constitute a set and which sets, after being filled, are removable from the book by means of perforations, so as to leave a stub.

The object of my invention is to provide an improved substantial cover adapted to so hold the previously bound orders as to afford a desirable and convenient support for the orders while being filled in, and to which the bound orders may be conveniently secured against any possible accidental detachment, while at the same time providing for the convenient insertion of the bound orders and an equally convenient removal of the stub remaining after the removal of the orders along the line of their perforation, whereby after using up a book of orders other books may be inserted from time to time and used in connection with same cover.

A further object is to have improved means of connecting the previously bound orders with the cover that will not substantially increase the cost of the order book, as compared with binding said orders without a fastening device, whereby the original cost of producing a binder with the characteristics before described is confined to the production of the cover, and in the end, reduces to a minimum of cheapness, by reason of the adaptability of a single cover to a large number of order books.

Another object of my invention is to provide the cover with a simple and durable locking or clamping device for the order book

and which may be struck from a single piece of metal and be of such a construction as a whole as will best prevent its liability to get out of order and will permit of convenient insertion and withdrawal of the order-book.

Still further objects will be disclosed hereafter, in describing the construction embodying my invention, as illustrated in the drawings, in which—

Figure 1, illustrates a central longitudinal section through a book and detachable cover embodying my invention; Fig. 2, a transverse section of the same taken on the line 2—2 of Fig. 1; Fig. 3, a detached plan view of the bound sheets more particularly illustrating the relative position thereto of the strip or tongue by which said sheets are secured within the groove between the jaws of a clasp fixed to the cover; and means for securing said strip or tongue to the bound sheets, and the relative position thereto of the perforations or indentations providing for the removal of the sheets or orders therein; Fig. 4, an enlarged longitudinal detail section, more clearly showing the construction and connection of the book and cover when secured together in their bound positions, and Fig. 5, a detail perspective view of the fixed clasp or binding jaws of the cover.

Similar letters of reference indicate the same parts throughout the several figures of the drawings:

A and B represent stiff boards, of any suitable character, for the purposes of a book cover, which said boards are connected together to form the book edge or flexible connection of the covers, by means of cloth or leather, C, overlapping and pasted or otherwise secured to said covers, in the usual manner, and if desired, may be extended over and form a covering for the entire surface of said boards. Any suitable flexible connection, such as is commonly used, may be employed for connecting the two stiff portions of the cover together, so long as such connection permits of the covers lying flat upon the unbound book, in the usual manner, as in books otherwise bound with stiff covers. Secured to one of the stiff covers by screws, rivets or other suitable means, as for instance the cover B, is a fixed binding clasp, D, preferably of sheet metal, but may be of any other material suitable for the purposes employed, and

consisting of a plate or sheet of metal transversely arranged with reference to the cover, but not overlapping the same, provided with "L" shaped flanges or lips, forming parallel grooves or receiving jaws d' , preferably constructed by turning up the longitudinal edges of the metal plate. One end of the grooves is closed by a stop d^2 , preferably formed by turning up the under edge of the metal blank, but may be by any other means. At the opposite end of the binding jaw, is a locking spring, d^3 , which may consist of a strip of spring metal soldered or riveted to the base plate of the jaw D, in which construction the plate may be partly cut away, but is preferably formed by making two parallel slits in the plate, so that in effect this locking device is a spring tongue having an upturned edge, as shown in Fig. 5.

E indicates a series of sheets or order blanks, either single or in sets, bound together in book form, in any ordinary manner, as by sewing or pasting, but preferably, for convenience, by means of staples e , which, in addition to passing through the leaves constituting the book, are also passed through a stiff strip or board F, and which forms a tongue, by which said book of sheets is secured to the cover, as will now be explained: The strip or tongue F, extends transversely along the bound edge of the book and from side to side thereof and is so secured to the book, as for instance, by the staples e arranged centrally thereof, that its edges may enter and be embraced by the groove-like jaws d' , that is to say, so that the jaws d' lie between the strip F and the book, as clearly shown in Fig. 4, but said strip or tongue F may be grooved out or cut away along its edges adjacent the fixed jaws so that the leaves will not be raised up, as shown in said figure.

To introduce and secure the bound book to the cover the spring d^3 is pressed away from the base of the clasp D until its upturned end is in a plane without the same, and while held in this position the strip or tongue is slid or moved within the jaws d' until said strip or tongue contacts with the stop d^2 , by which time it has cleared the spring d^3 , which, as soon as released, returns to its normal position and embracing the end of the strip or tongue prevents its accidental withdrawal. In using a bound book thus covered, the cover A is turned over and under the cover B to the position indicated by dotted lines in Fig. 1, in which position the entire device may be conveniently held in one hand while filling in the orders with the pencil in the other hand. The folding under of the cover B in this manner, not only gives complete access to the orders, but enables a much better holding of the covers than stops, were there any resistance of the covers in maintaining their surfaces in contact with each other. An advantage of the arrangement of this clamping device, is that of providing for the removal of

the orders when filled, by reason of and along the line of perforations or indentations f , so as to leave the stub, in turn readily removable when all of the sheets have been detached, for the stub is firmly held against any movement independent of the board cover to which it is secured, and with an absence of a bend or buckle throughout the sheet, said sheets may be detached without any liability of tearing, just as we sometimes prevent the tearing of a sheet of paper by holding the stub end down with a ruler along the line of its proposed separation.

It should be observed that instead of a stop d^2 , such as is shown, the lengthwise movement of the strip or tongue F may be limited by bending down one corner of one or both of the overhanging flanges of the fixed jaws. To maintain the leaves in a flat out position on the cover B, said cover is provided with a recess extending entirely across each end in which the clasp D is fitted and secured.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. The combination of a book cover having side boards flexibly connected together, a clasp fixed to one of said boards, provided with upturned jaws forming parallel grooves, a stop d^2 and spring tongue d^3 , with a book having a strip or projection thereon fitting in said jaws, substantially as set forth.

2. The book cover having side boards flexibly connected together, a clasp fixed to one of said boards, and having upturned overhanging edges, in combination with the leaves E, the strip F and the fastening devices passing through both the strip and leaves and securing the same together, the said overhanging edges being adapted to slip between the leaves and said strip, substantially as set forth.

3. In a detachable book cover, the combination with portions A—B connected together and one of which has a recess, of a clasp fitted in said recess and having lips or flanges, the tongue or strip F for holding the book leaves, adapted to slide into said clasp and said clasp having a stop for limiting the inward movement of the said tongue or strip F, and a spring tongue for preventing the withdrawal of said tongue or strip F, substantially as set forth.

4. In a detachable book cover, the combination of the book or leaves E, the strip F, secured to the back of said book or leaves, the covers A, B, the clasp D secured to one of said covers and having along its side-edges up-turned over-hanging lips or flanges adapted to receive said strip F, and at its ends the stop d^2 and an up-turned spring tongue d^3 respectively, substantially as set forth.

JAMES S. McDONALD, JR.

Witnesses:

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