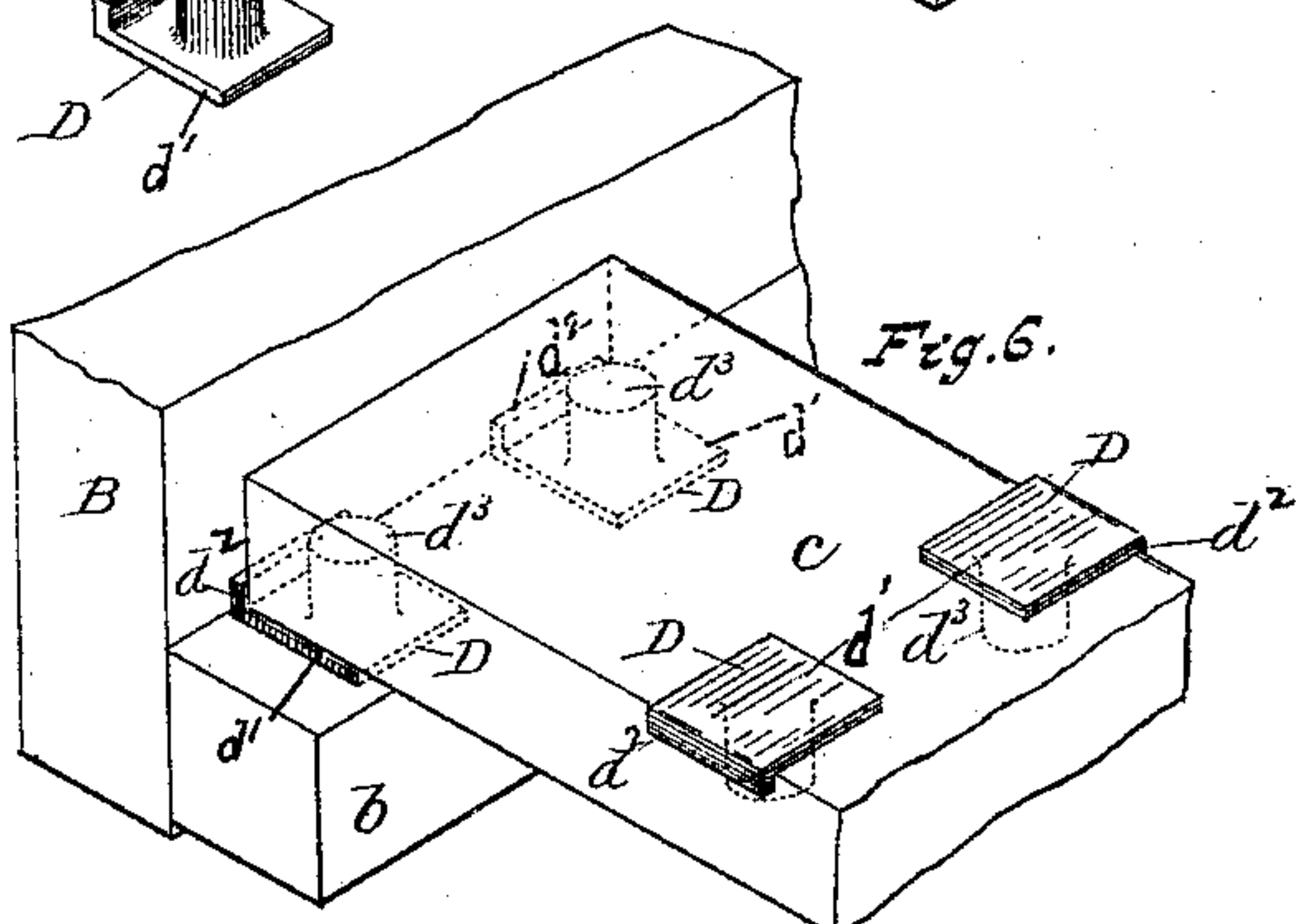
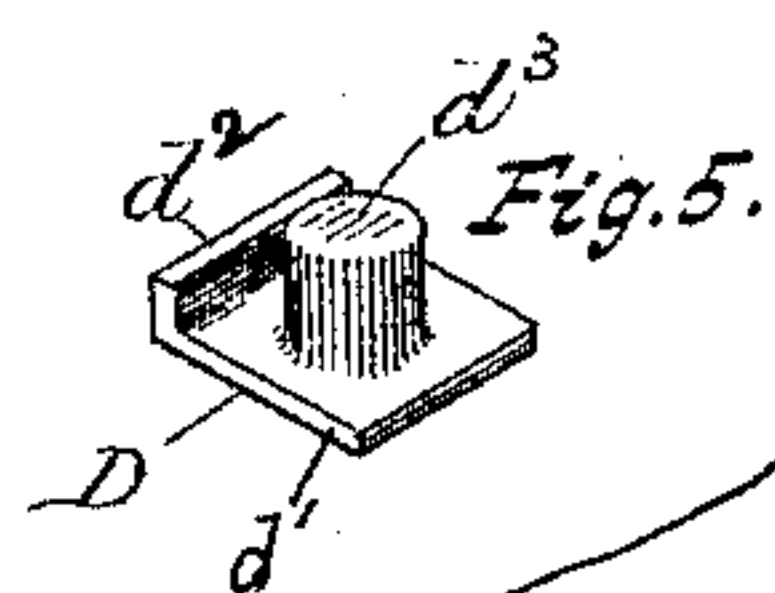
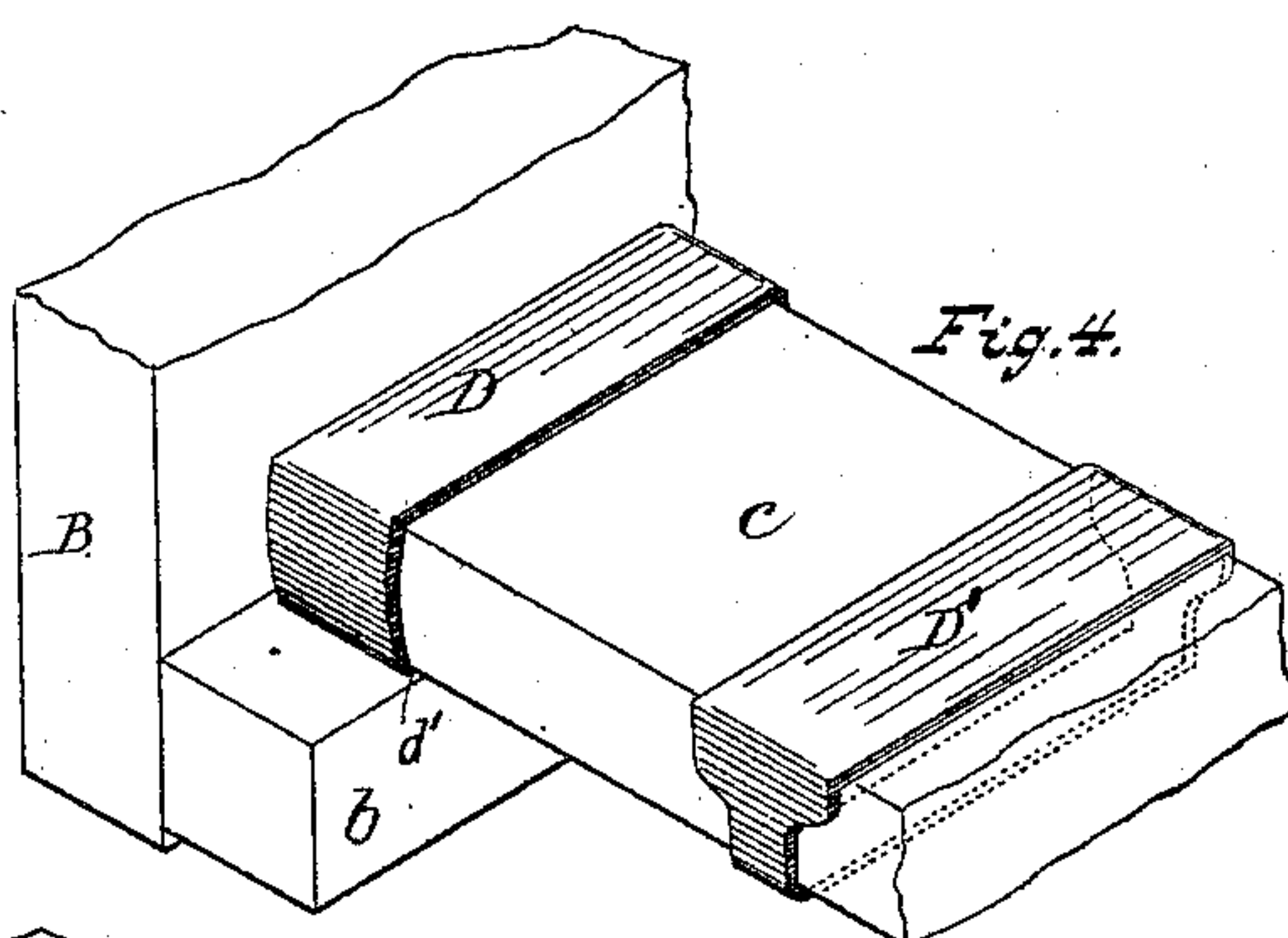
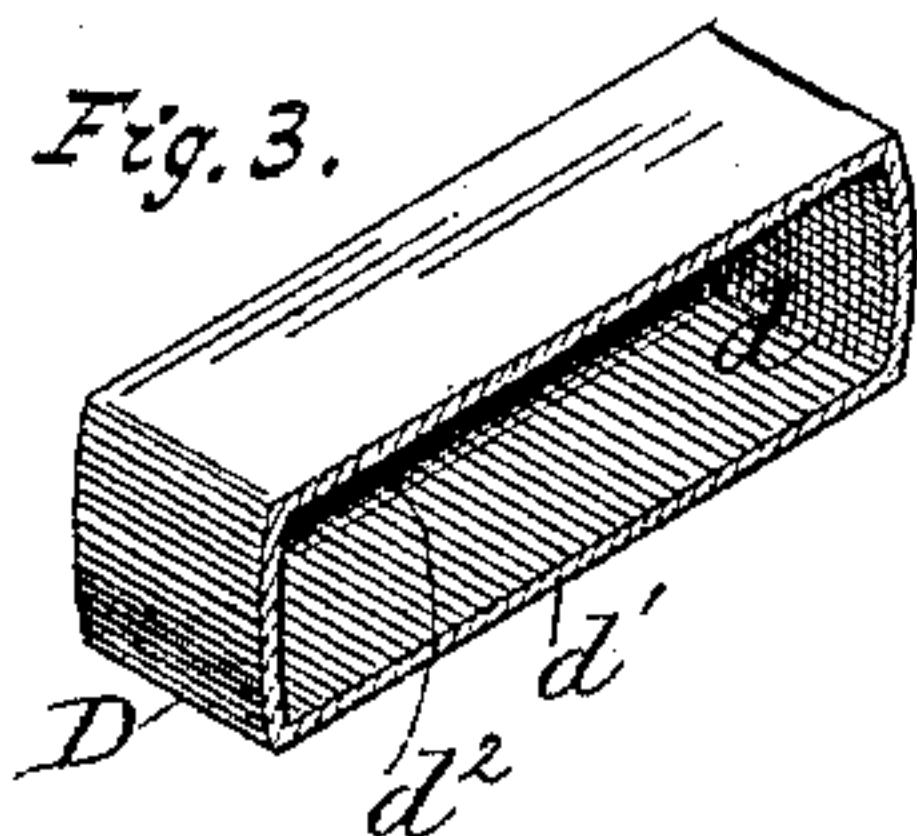
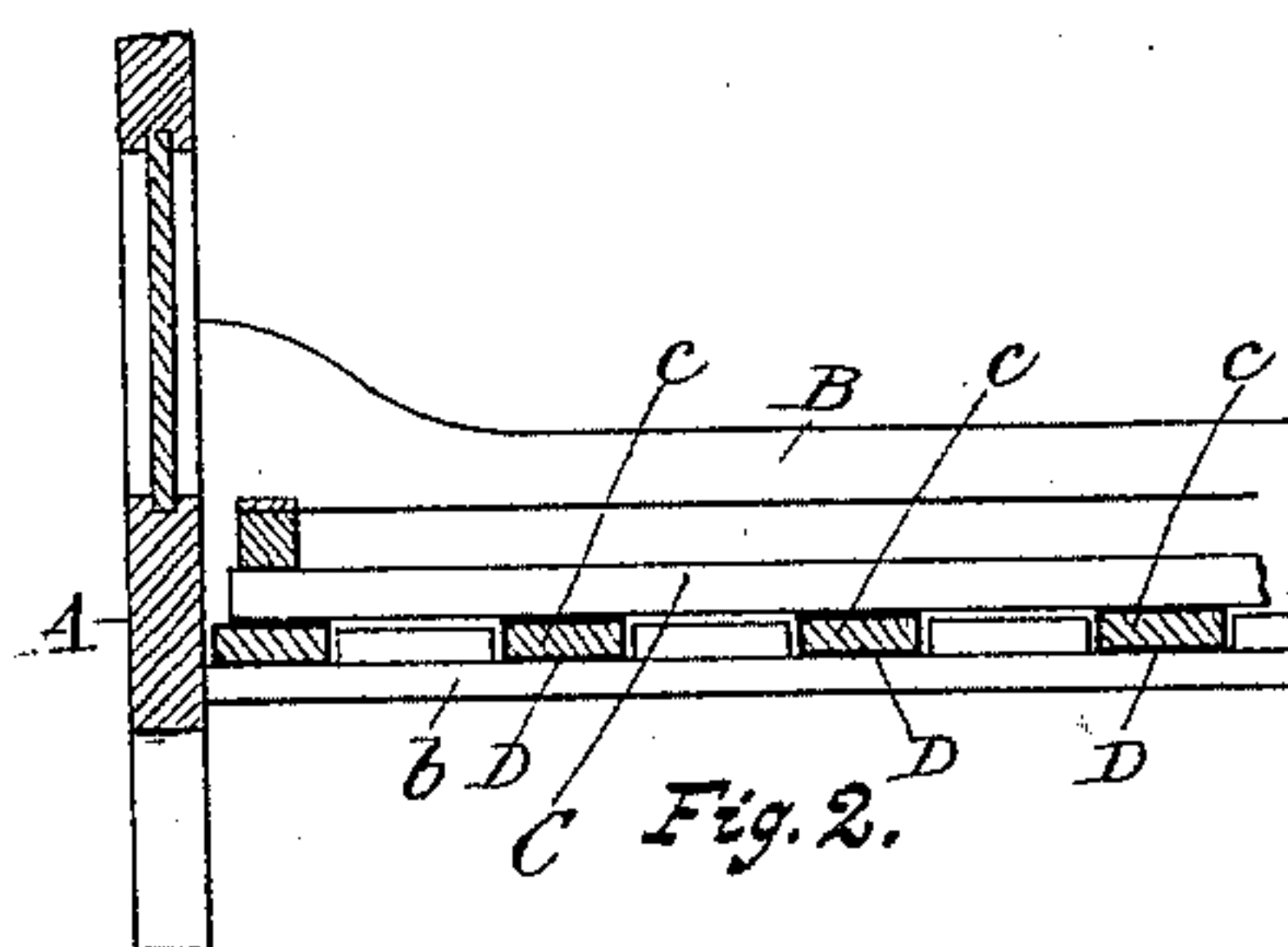
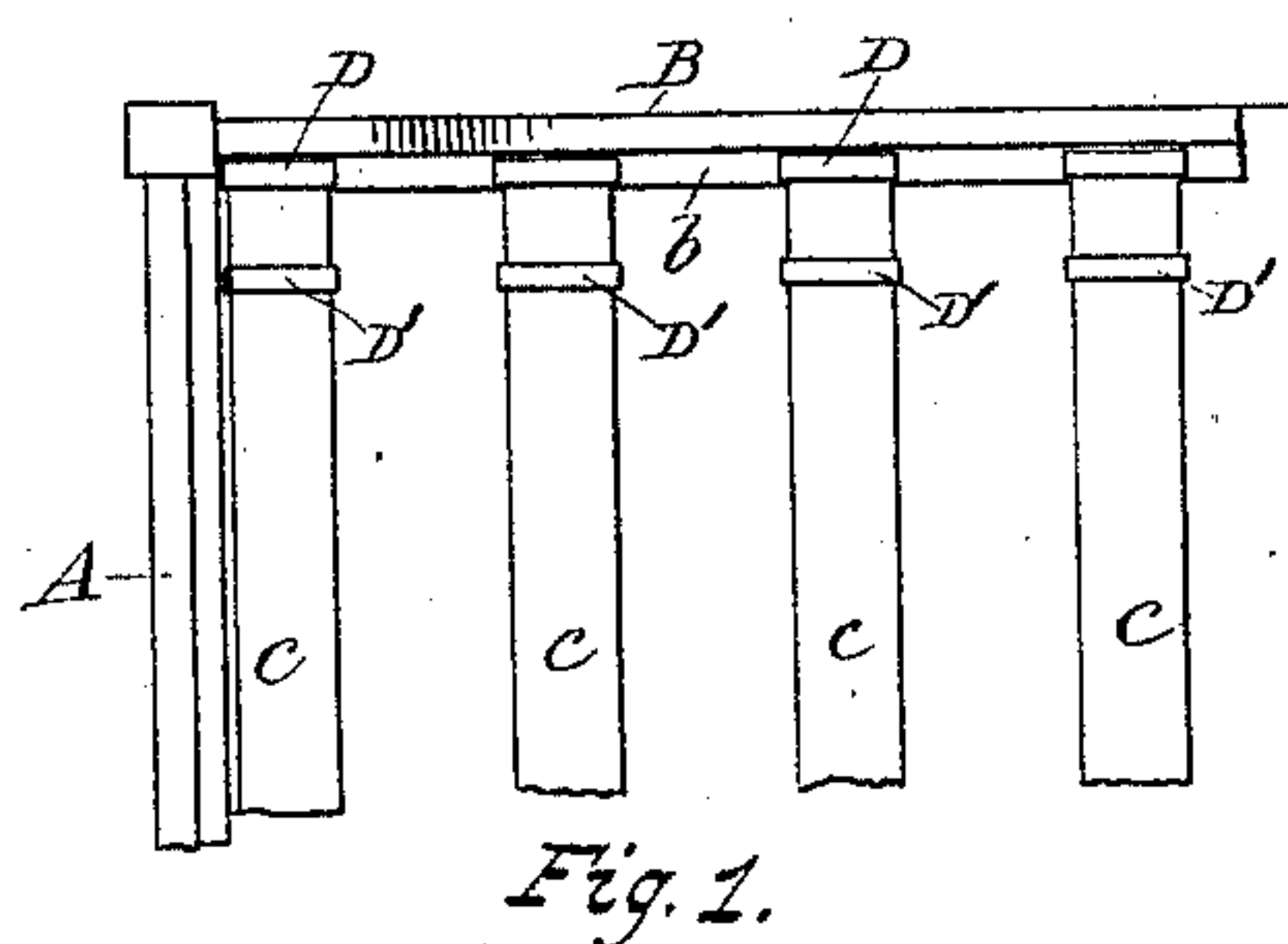


(No Model.)

A. LALIBERTE.
CUSHION FOR BED SLATS.

No. 474,018.

Patented May 3, 1892.



Witnesses.

Charles Drexler
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Albina Laliberte,
Inventor.
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Alex. Selkirk

UNITED STATES PATENT OFFICE.

ALBINA LALIBERTE, OF ALBANY, NEW YORK.

CUSHION FOR BED-SLATS.

SPECIFICATION forming part of Letters Patent No. 474,018, dated May 3, 1892.

Application filed November 15, 1890. Serial No. 371,574. (No model.)

To all whom it may concern:

Be it known that I, ALBINA LALIBERTE, a citizen of the United States, and a resident of the city of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Bedsteads, of which the following is a specification.

My invention relates to improvements in bedsteads; and it consists in the devices and combinations of devices and parts hereinafter described, and set forth in the claim.

The objects of my invention are, primarily, to provide a flexible or soft elastic cushion for use between the ends of the slats and side rail to prevent squeaking or noises occurring when being used, and, secondarily, to provide specific combinations of devices and parts by which my invention may be applied to the parts of bedsteads to prevent the occurrence of squeaking when the parts are in use. I attain these objects by the means illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a plan view of a section of a bedstead and slats with the improvements in this invention applied thereto. Fig. 2 is a side elevation of the same. Fig. 3 is a perspective view of a form of cushion which may be used and applied to the ends of the slats. Fig. 4 is a perspective view of the cushion applied to the end of the rail and with a second cushion for support of the bed-bottom bar or rail. Fig. 5 is a perspective view of a cushion of a modified form of construction which can be employed with the slats. Fig. 6 is a perspective view of an end portion of a slat having the modification of cushion shown in Fig. 5 applied thereto.

The same letters of reference refer to like parts throughout the several views.

In the drawings, A represents a head-board (or foot-board) of a bedstead. B is a side rail of the same. *b* is the bar secured to the side rail for holding the slats *c c*, and C is the supporting rail or bar of a spring bed-bottom, all of which parts are old and form no part of my invention.

It is well known that bedsteads employing removable bed-slats and having their side rails detachable from the end boards will in many cases squeak when the occupant of the bed moves or turns over, and also that in

many cases the movement of the occupant of the bed will cause a squeaking noise to proceed from the surfaces of the slats and their supports and the surfaces of the bed-bottom or spring in their contact with the slats which support them. These squeaking noises are produced by the vibrations of portions of the wood of those parts as they rub one on the other when disturbed by the movement of the occupant of the bed, and I have found that by interposing a soft flexible cushion between the parts in contact that these disagreeable squeaking noises will be prevented. These soft flexible cushions can be made of any suitable material which will be yielding under pressure and movement, and are preferably made of rubber. This cushion can be provided with a holding element, by means of which it will be held in connection or place with one of the pieces between which the cushion intervenes. When made of rubber, this cushion, with its holding element, may be molded in form or be otherwise produced, so as to be in a single piece, ready for application to the piece it is to hold with, and it may be of such a size that a single one will be of sufficient extension to give suitable support or bearing to the piece subject to pressure or movement, or its size may be reduced when two or more cushions are employed in lieu of a single one.

In Figs. 1, 2, and 4 the cushions D D are shown to be interposed between the slat-supporting bar or piece *b*, secured to the side rail B and the slats *c c*.

D, Figs. 1, 2, 3, and 4, is a cushioning device containing the essential elements in my invention, and is shown in said Fig. 3 to be made with a box-like form and open from one side to form a chamber *d*, which receives the end of the slat *c*. When the device is in place on the end of the slat, one of its sides, as side *d'*, will be in situation on the lower side of the said slat and serve as a soft or flexible cushion between said slat and the supporting-bar *b*, secured to the side rail B of the bedstead, while the bottom wall *d²* of this device D will be in situation against the end surface of slat *c* and form a cushion of soft or flexible nature between the said end surface of the slat and the side rail B of the bedstead. In this device D the two portions *d'* and *d²* of

the same operate to prevent both the lower side surface and end surface of the slat from having contact with the wood of either the supporting bar *b* or the side rail B, so that
 5 the wood of the slat cannot effect that of either the said supporting bar or rail, so as to produce the disagreeable noises heretofore attending the use of slats with the supporting-bars and side rails of bedsteads when the oc-
 10 cupant moves on the same. In this form of cushion the side and end walls of the slat-receiving chamber *d* form the holding element by which the cushion D is held in place with the slat *c*, so that its portions *d'* and *d''* will
 15 be in situation between the slat and the bedstead side rail and its supporting-bar.

In Fig. 4 another form of cushion D is shown by full and dotted lines to be applied to the slat *c* at a short distance from its end and in
 20 location thereon to receive the side bar C of a bed-bottom. This cushion D is made in the form of a band, and can be moved toward or from the end of the slat to any suitable distance required to give suitable support to the
 25 supporting-bar C of the bed-bottom when the latter is in place on the slats *c*. As this cushion in Figs. 1, 2, and 4 is shown to be applied and used its upper side forms the cushion proper D', and the opposite side portion and
 30 the end portions, coacting with the said upper side or cushion proper, constitute the holding elements of this cushion.

In Figs. 5 and 6 is shown a cushion which is adapted to be used on either the lower side of
 35 the slat *c* or the upper side of the same, as illustrated by full and dotted lines in Fig. 6. With this form of cushion the holding element is the stem *d''*, formed integral with the cushion proper D, which cushion is made with an an-
 40 gular form and is composed of the portion *d'*, for bearing against the under side of the slat and serving as a soft or flexible cushion be-

tween it and the supporting-rail and the por-
 tion *d''*, turned at an angle to portion *d'*, for
 bearing against the end surface of the slat 45
 and serving as a soft or flexible cushion be-
 tween said end surface and the side rail B. In this form of cushion D these angular por-
 tions *d'* and *d''* shown in Figs. 5 and 6 operate
 the same as portions *d'* and *d''* of cushion D 50
 shown in Figs. 1, 3, and 4.

The stem *d''*, serving as the holding element, is shown to be cylindrical in form, yet it may be made square or angular, if preferred, and be capable of holding with the sides of a cor- 55
 responding perforation made in the slat for receiving said stem, as shown in said Fig. 6.

When the cushion shown in Figs. 5 and 6 is employed, I prefer to use them in pairs, sub- 60
 stantially as shown in Fig. 6.

This cushion D in any of the forms above described, when applied to the slat *c* or other piece or part of a bedstead subject to pressure and movement, will interpose between the 65
 wood of said slat or other piece and the wood of the contiguous piece and effectually prevent squeaking now consequent on the move-
 ment of parts of the bedstead under pressure.

Having described my invention, what I claim, and desire to secure by Letters Patent, 70
 is—

The combination, with the supporting-bar *b* and side rail B of a bedstead and the slat *c*, of the cushioning device D, made of soft or 75
 flexible material and with angular portions *d'* and *d''*, integral with each other, and provided with means for holding said cushioning device in place between said slat and the said parts of the bedstead, substantially as and for the pur-
 poses set forth.

ALBINA LALIBERTE.

Witnesses:

MICHEL Fiset,
 A. SELKIRK, Jr.