No. 841,920. PATENTED JAN. 22, 1907.

W. M. BARSACHS.

LOOSE LEAF BINDER.

APPLICATION FILED APR. 2, 1906.

Fig. 1.

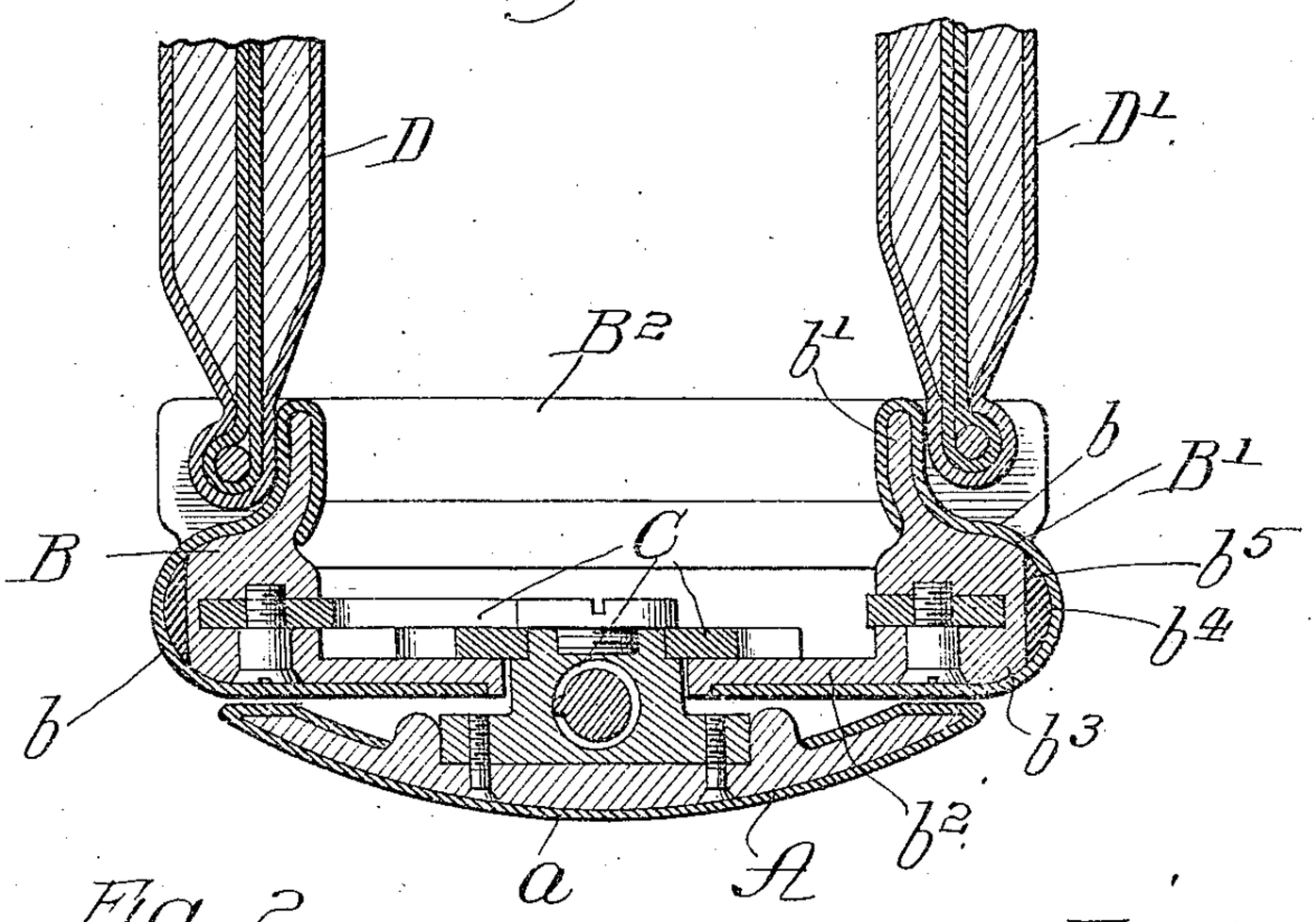


Fig. 2

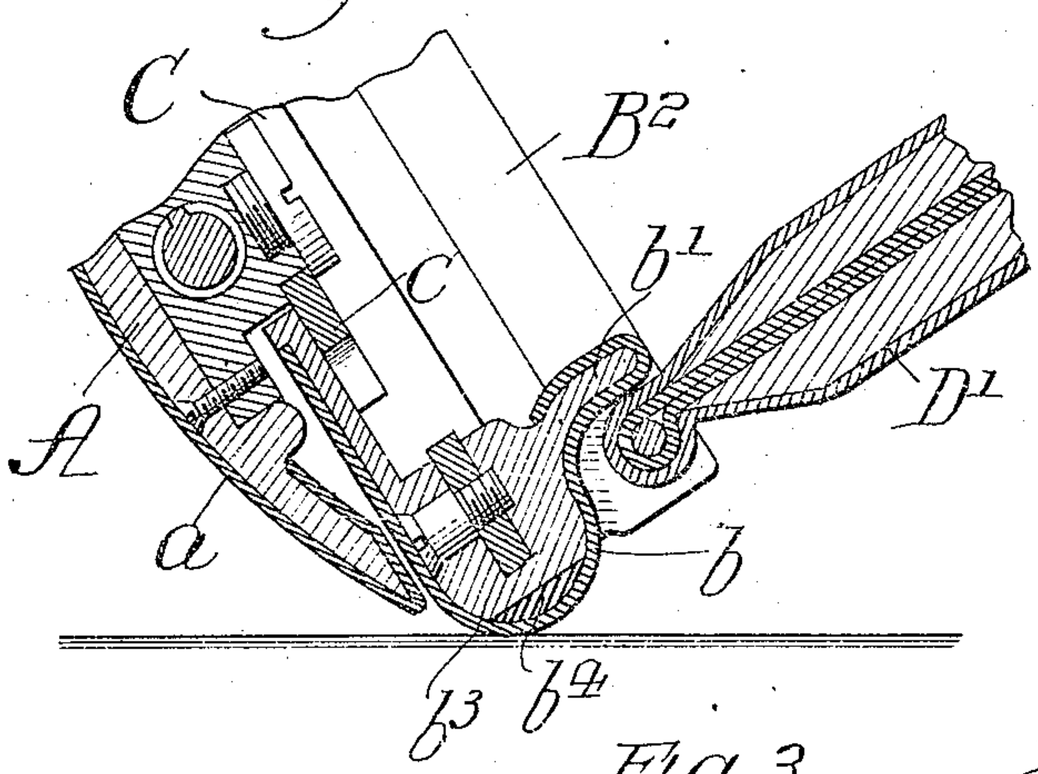
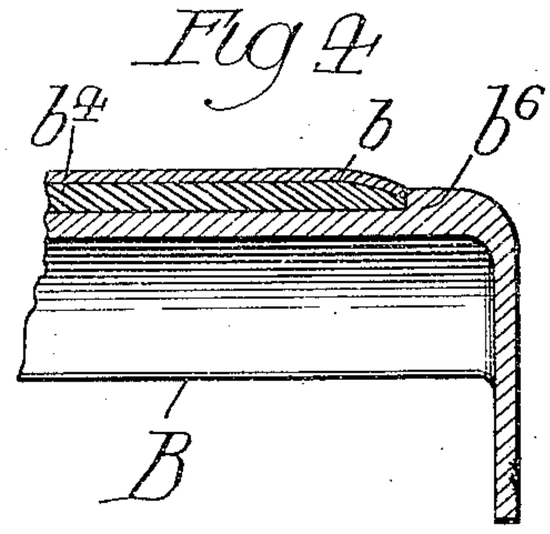
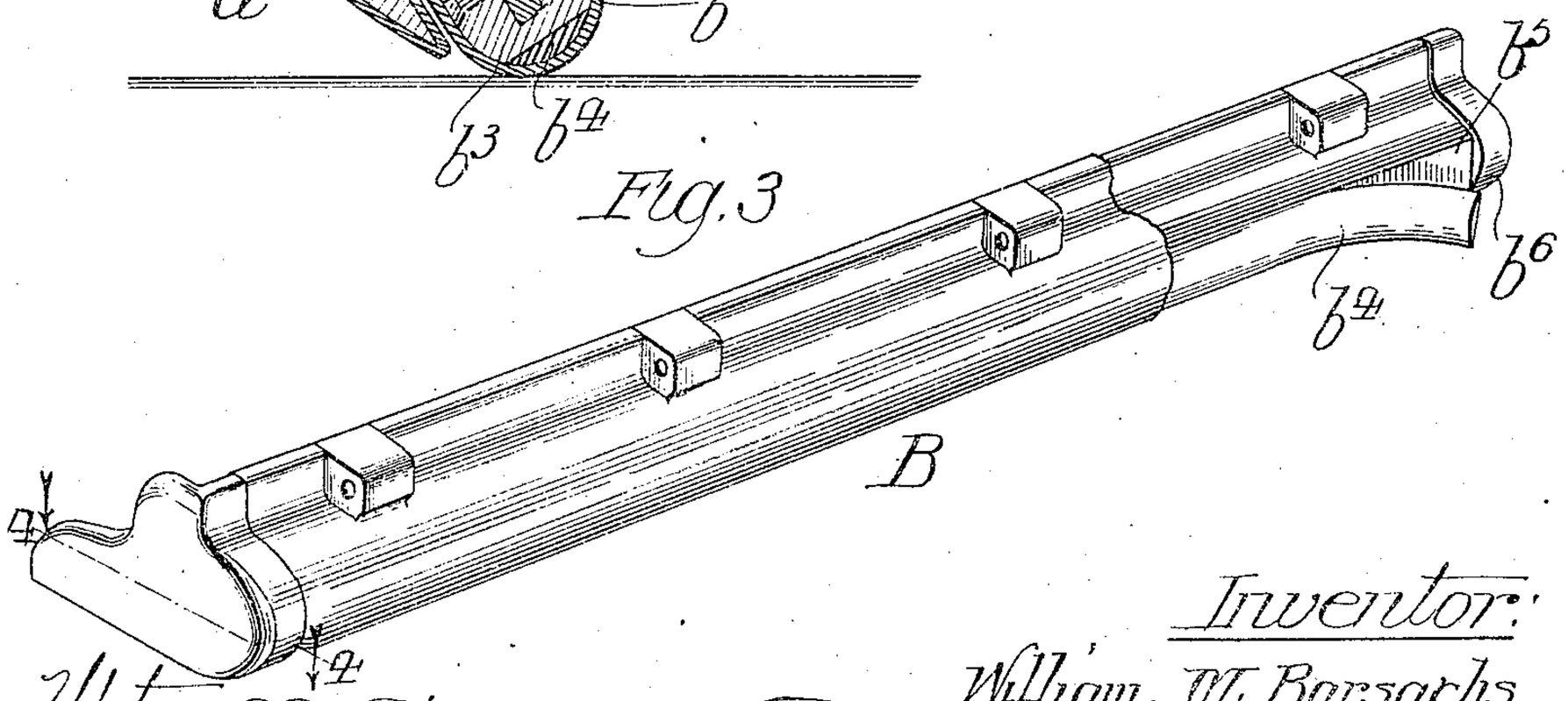


Fig. 3

Fig 4





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UNITED STATES PATENT OFFICE.

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LOOSE-LEAF BINDER.

No. 841,920. Specification of Letters Patent. Patented Jan. 22, 1907.

Application filed April 2, 1906. Serial No. 309,354.

To all whom it may concern:

Be it known that I, WILLIAM M. BARSACHS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Loose-Leaf Binders, of which the following is a specification.

My invention relates particularly to an improvement in loose-leaf-ledger binders or to other loose-leaf binders of considerable size and weight; and my primary object is to provide means for preventing injury to the binding of ledgers of this character.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 represents a broken sectional view of a loose-leaf ledger constructed in accordance with my invention; Fig. 2, a broken section showing the ledger in another position; Fig. 3, a perspective view of one of the clamping members of the three-piece binder employed; and Fig. 4, a broken section taken as indicated at line 4 of Fig. 3.

In the construction shown, A represents a back; B B′, a pair of transversely-slidable clamping members mounted on the back and connected by extensible posts B^2 in a well-known manner; C, mechanism of a well-known construction connecting the back with the clamping members and serving to actuate the clamping members in the operation of expanding and contracting the binder, and D D′ a pair of cover-sections pivotally connected with the clamping members.

The back A is covered with a leather binding *a*, and the clamping members B B′ are covered with leather *b*. It will be observed that each clamping member is of somewhat angular form, having a clamping flange or jaw *b′*, an inturned flange b^2, which slides upon the back, and a curved enlargement b^3 at the junction of the flanges, upon which the binder may roll or turn in moving from the position shown in Fig. 1 to the position shown in Fig. 2, as when the ledger is being turned from a vertical position, with its back resting upon the table, to a horizontal position, with one side resting upon the table. To prevent undue wear upon the binding *b* at the enlargement b^3, a point most subject to wear in the use of a ledger, I insert a strip b^4 of yielding material, such as rubber, between the binding material and the metal surface of the clamping member. For this purpose the clamping member is cut away at its outer lateral side, as indicated at the plane b^5, and the strip of material b^4 is provided with a flat surface which is cemented to the adjacent surface of the metal, the outer surface of the yielding strip being rounded, as shown. Each clamping member is externally flanged at its ends, as indicated at b^6, and each strip of rubber has its ends beveled, as clearly shown in Fig. 4. The arrangement is such that when the leather binding is cemented in place its outer surface at the edges adjacent to the flanges b^6 is flush with the flanges, while between the ends of the clamping members the curved portions of the binding project above or beyond the flanges, thereby to prevent contact of the metal parts with the table.

I have found by practical demonstration that by providing a yielding pad beneath the binding-leather at the enlargements or angles b^3 of the clamping members I am enabled to prevent undue wear upon the projecting portions of the binder, which are most subject to wear—viz., the angles or enlargements designated.

What I regard as new, and desire to secure by Letters Patent, is—

1. In a ledger having a back and transversely-movable clamping members of substantially angular form with outwardly-presented lateral enlargements, the combination with said clamping members of bindings, and resilient pads confined between the bindings and the outer lateral surfaces of the clamping members, for the purpose set forth.

2. A binder comprising a back and transversely-movable clamping members of angular form mounted thereon, each clamping member having an outwardly-presented lateral enlargement with a cut-away portion and with end flanges, strips of rubber applied to the clamping members at the cut-away portions and having curved outer surfaces, and bindings inclosing the clamping members and strips of rubber, the bindings having edges terminating substantially flush with the end flanges specified, for the purpose set forth.

WILLIAM M. BARSACHS.

Witnesses:
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