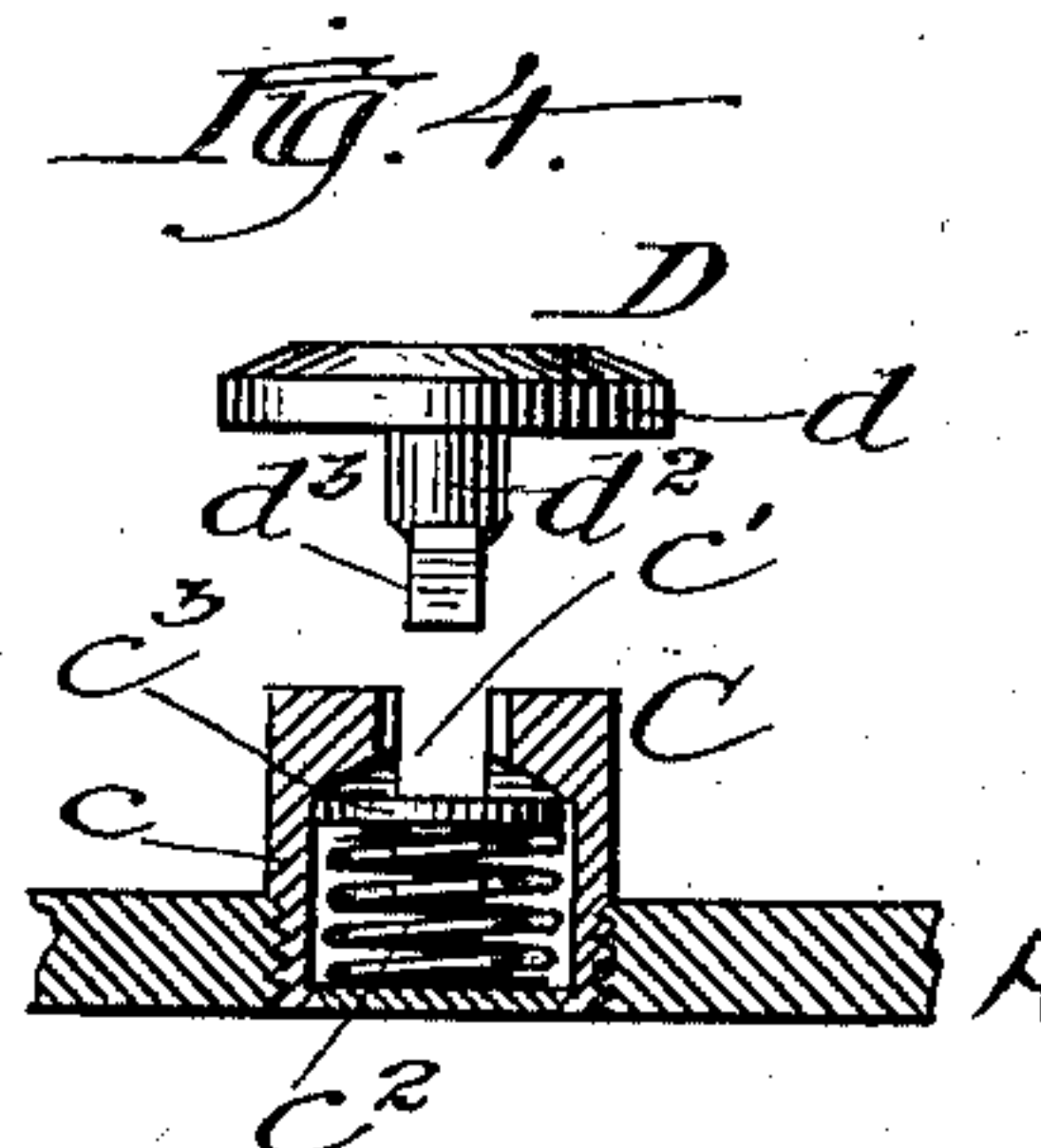
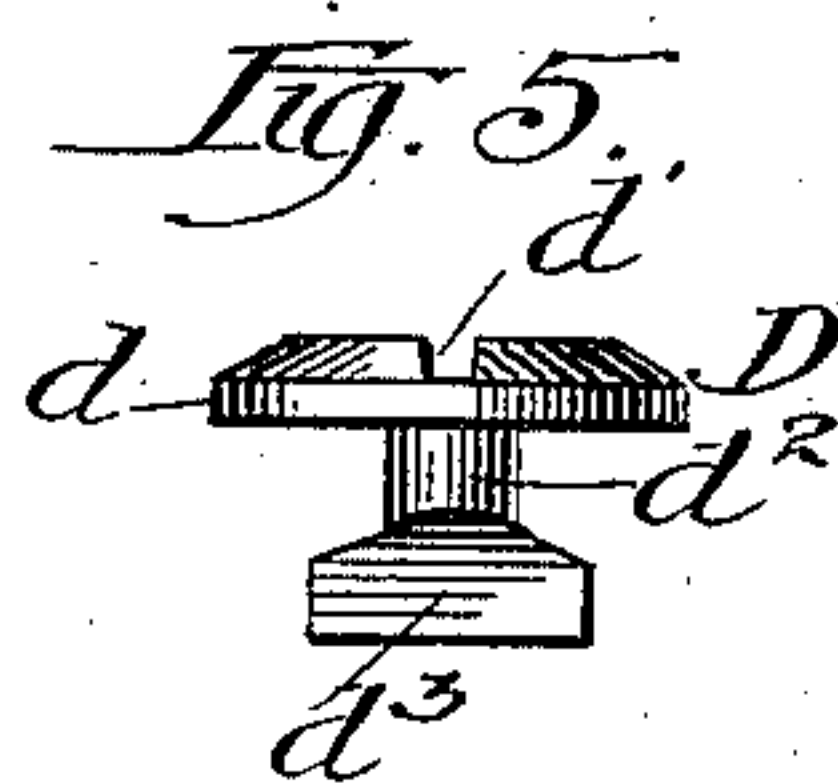
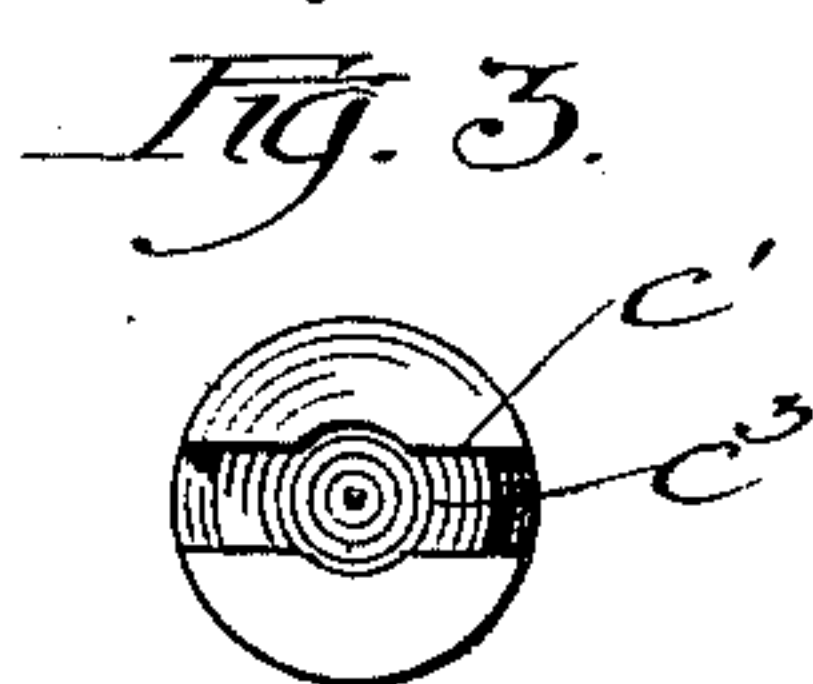
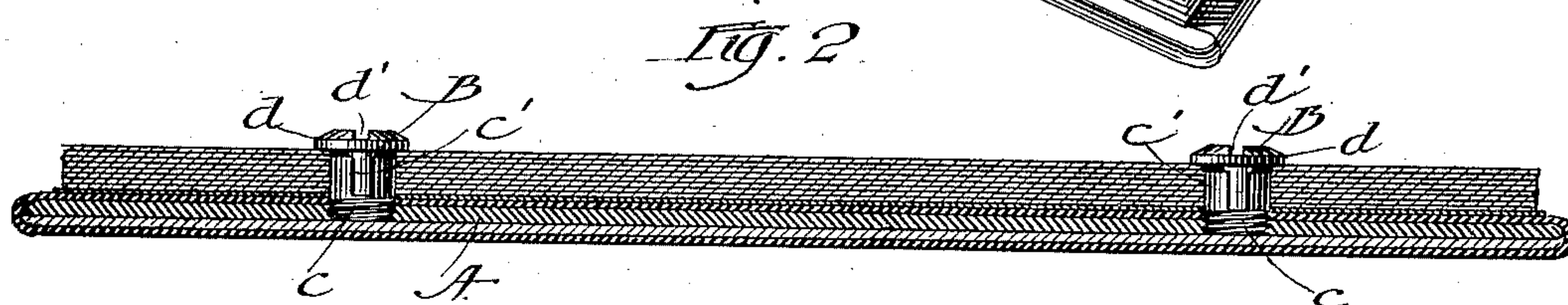
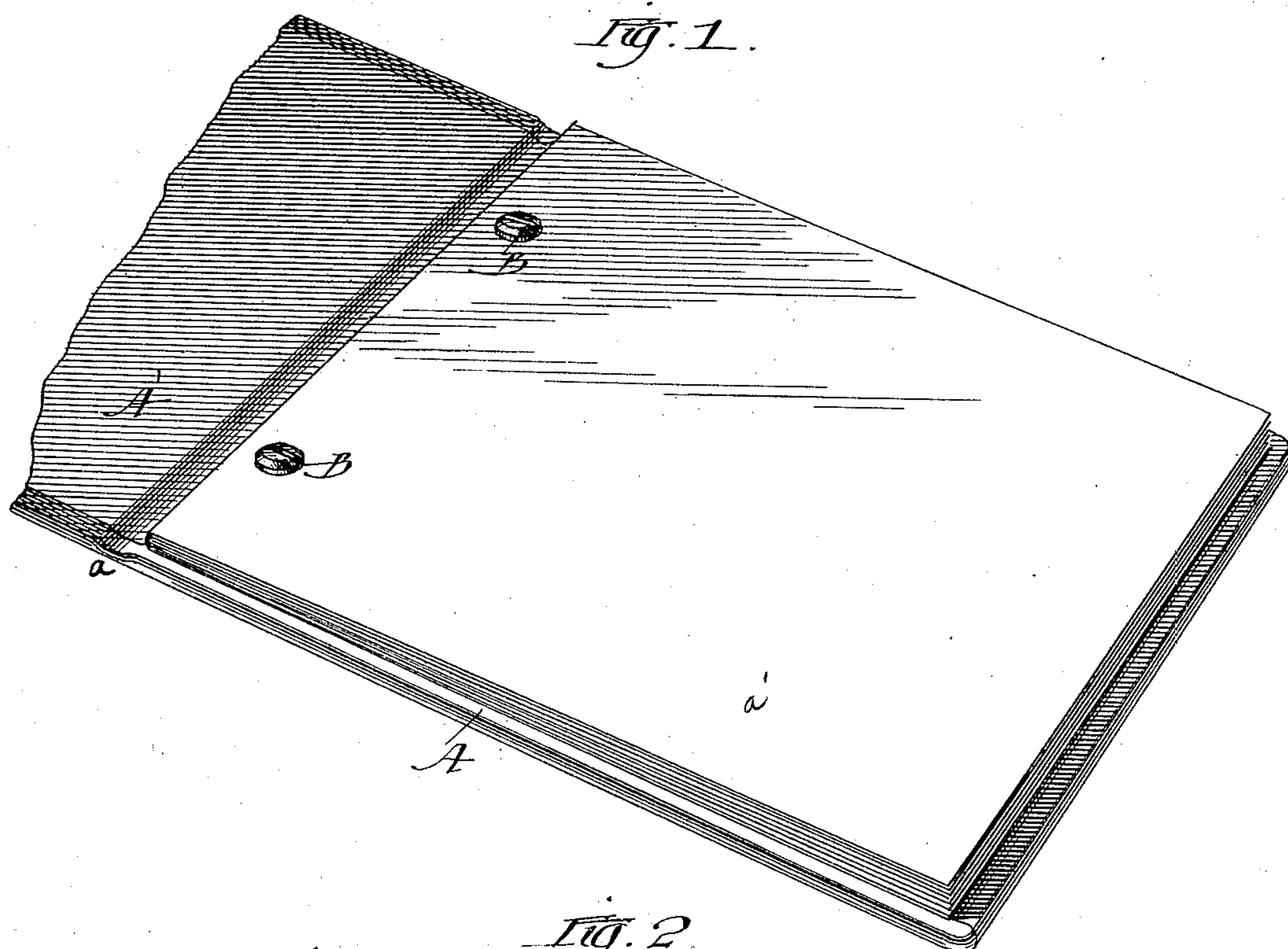


No. 756,901.

PATENTED APR. 12, 1904.

G. A. SHOEMAKER.
TEMPORARY BINDER.
APPLICATION FILED NOV. 13, 1902.

NO MODEL.



Witnesses:
Frank J. Blanchard
Edwin A. Packard.

Inventor:
Geo. A. Shoemaker
By Hugh H. Handley
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UNITED STATES PATENT OFFICE.

GEORGE A. SHOEMAKER, OF CHICAGO, ILLINOIS, ASSIGNOR TO BAKER-
VAWTER COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 756,901, dated April 12, 1904.

Application filed November 13, 1902. Serial No. 131,114. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. SHOEMAKER, a resident of the city of Chicago, county of Cook, in the State of Illinois, have invented a certain new and useful Improvement in Temporary Binders, of which the following is a specification.

My invention relates to that class of binders wherein expansion is not essential to practicability, and more particularly to that class of binders designed to hold pads or blocks of perforated sheets.

My invention will fully appear in the following description, reference being had to the accompanying drawings.

In the drawings, Figure 1 presents a general view of my binder filled with leaves and with top cover thrown back. Fig. 2 presents a perpendicular cross-sectional view of my binder, showing the binding-posts exposed. Fig. 3 presents a top view of the lower part of one of the binding-posts. Fig. 4 presents the two parts of one of my binding-posts in perpendicular cross-section. Fig. 5 presents a general view of the top or movable part of one of my binding-posts.

More particularly described, A and A' represent the covers of the binder joined together by the flexible strip *a*.

B B represent the binding-posts, of which there are one or more.

In detail, B is described as follows: It is comprised of two parts C and D. C consists of a short tube *c*, closed at the top and at the bottom. This tube *c* is threaded at its lower end and screwed into corresponding threads in cover A. The top is slotted *c'*, which slot is enlarged slightly in the center to present a round aperture. Lying within the tube *c* is a coiled spring *c²*, which has on top of it a sliding plate *c³*, which normally lies against the top of the tube *c*.

The part D of the post B consists of a key constructed with a head *d*, which is slotted *d'*,

a shaft *d²*, and a flat double flange *d³* at the lower extremity of *d²*.

The binder is operated as follows: The leaves *a'* of the binder, punched to correspond in position and number with the posts B B, are placed upon the parts C C. The parts D D are then fitted to the parts C C, the double flange *d³* sliding into slot *c'*, and by pressure the plate *c³* is forced downward and the shaft *d²* passes into the enlarged center of the slot *c'* and the flange *d³* into the tube *c* and beyond the closed top thereof. Then by a quarter-turn of the part D, secured by operation of any form of key which will fit into the slot *d'*, the flange *d³* is thrown out of correspondence with the slot *c'* and against the closed top of the tube *c* and the leaves are locked into the binder, the head *d* being larger than the aperture in said leaves.

The binder may of course be constructed with two separable covers, the top covers being apertured to receive the part D of the post B.

My binder may be constructed with any number of posts, and my invention comprehends any and all variations of shape, size, and number of the parts.

What I claim as my invention is—

In combination with binder-covers, a binder-lock consisting of a tube secured to one of the covers, and closed as to its upper end, but slotted at such closed end; the said tube fitted with a spiral spring lying within its center, on top of which is placed a sliding plate which normally lies against said closed end; together with a corresponding and headed shaft, the lower end of which is flattened and flanged, and corresponds with said slotted closed end, with which it has engagement, substantially as described and for the purposes herein set forth.

GEO. A. SHOEMAKER.

Witnesses:

O. B. BARKER, Jr.,
ARLA R. BLACK.