No. 754,791. PATENTED MAR. 15, 1904.

J. P. MENTZER.

TEMPORARY BINDER.

APPLICATION FILED OCT. 31, 1903.

NO MODEL.

Fig. 1.

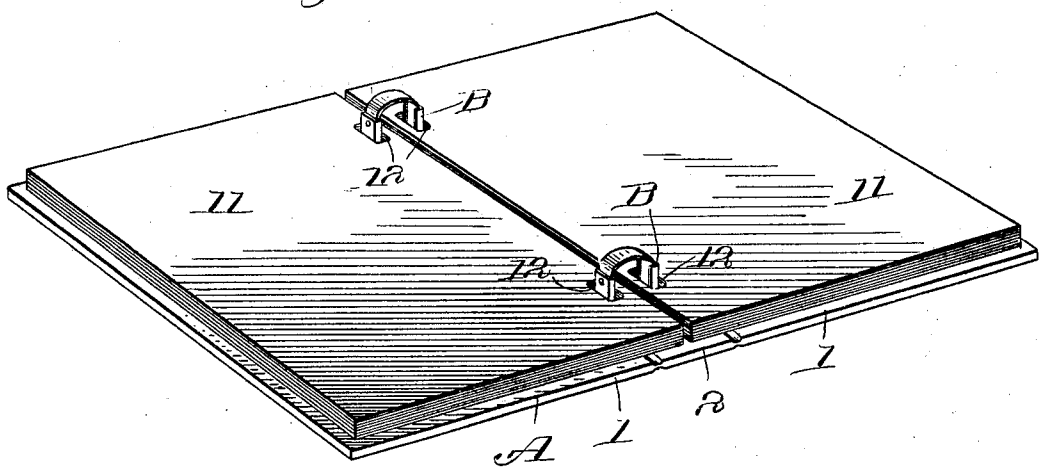


Fig. 2.

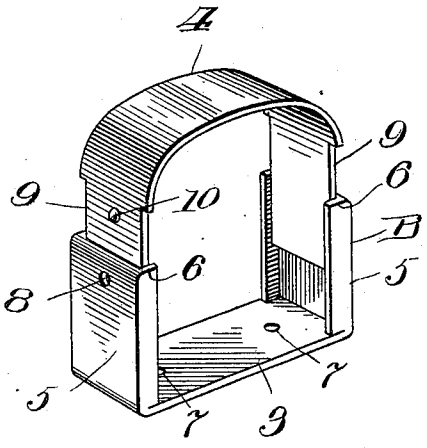
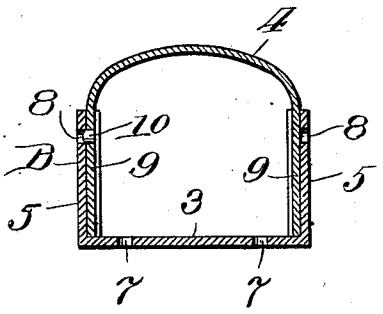


Fig. 3.



Witnesses:
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 754,791. Patented March 15, 1904.

UNITED STATES PATENT OFFICE.

JOHN P. MENTZER, OF CHICAGO, ILLINOIS.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 754,791, dated March 15, 1904.

Application filed October 31, 1903. Serial No. 179,292. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. MENTZER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Temporary Binders, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to temporary binders for temporarily fastening in book form leaves or sheets of various kinds.

The object of the invention is to provide a simple, practical, and inexpensive form of binder.

In the accompanying drawings, Figure 1 is a view of a temporary binder embodying my invention in an open condition. Fig. 2 is a perspective view of a portion of the binder. Fig. 3 is a vertical section taken through the part shown in Fig. 2.

The binder shown in the drawings consist of a cover A, formed in three parts 1 1 and 2. The part 2 is provided with two clips B B, each of which consists of a base 3 and a top 4. The base 3 is constructed with upright ends 5 5, which serve as guideways for the top 4, each of said ends 5 5 being provided with side guide-walls 6 6. The bottom portion of the base 3 is provided with apertures 7 7, by which the clip is fastened to the cover—as, for example, by rivets or the like. The end walls 5 are provided with apertures 8 near their upper ends. The top 4 of the clip is a U-shaped structure with spring sides 9 9, which are adapted to fit and slide in the end walls 5 5 of the base 3 between the side lips or ears 6 6 thereof. One side 9 of the top 4 is provided with a lug or ear 10, adapted to fit in the apertures 8 in the walls 5 5 of the base 3. The side lips or ears 6 6 project inwardly a little beyond the inner faces of the sides 9 9 of the top 4. The cover as thus provided with the clips B B is adapted for use as a temporary binder, and is so shown with leaves 11 11 in position in Fig. 1. The leaves or sheets 11 11 are provided with apertures 12 12, adapted to receive the uprights or walls 5 5 of the clips B B. These leaves are placed in position over the walls of the clips, the tops 4 thereof being removed for such purpose. When the sheets are in such position, the tops 4 are placed back, so that the lugs 10 10 engage the apertures 8 8, and thereby hold or lock the tops 4 4 in position. This locking engagement is of sufficient strength to prevent the leaves 11 11 from disengaging the tops 4 4 and releasing the leaves under all ordinary usage or strain. It is not too strong, however, to prevent the disengagement of the tops 4 4 by the hands whenever it is desired to add more leaves or take out some or all of those already in position. By making the guide-lips 6 6 project in beyond the inner faces of the sides 9 9 the sheets or leaves are prevented from interfering with the top 4. By having the walls or guideways 5 5 and sides 9 9 flat and comparatively wide instead of round and narrow the sheets or leaves are less likely to be torn.

It will be seen that the binder is simple, practical, and can be easily and cheaply constructed, and at the same time it affords security in holding the leaves together, but permits them to be easily and quickly added to or subtracted from.

The cover A can of course be of any suitable construction and can be different from that herein shown. The arrangement shown is expedient and desirable, as it is simple and inexpensive. Other changes and modifications can be made without departing from the spirit of my invention.

What I claim is—

1. In a temporary binder, the combination of a pair of upright guides arranged opposite one another and having their adjacent sides open, and a top provided with spring sides adapted to fit in said guides between the sides thereof, the guides and spring sides being provided with engaging devices held normally in engagement by the outward spring-pressing action on the part of the spring sides, substantially as described.

2. In a temporary binder, the combination of a clip comprising a base having its ends provided with upright flat guides which are provided at their edges with inwardly-extending sides and are open between said sides, and a top provided with spring sides adapted to fit and

work in said guides between the sides thereof, the guides being provided with apertures and the spring sides of the top with projections adapted to fit in said apertures and held normally therein by the spring action of the sides, substantially as described.

3. In a temporary binder, the combination of a pair of upright guides arranged opposite one another and having their adjacent sides open, the side walls of said guides extending inwardly, a top provided with spring sides adapted to fit in said guides, the sides being of a less width than the side walls of the guides, whereby the latter project inwardly beyond the inner faces of the spring sides, and engaging devices on the guides and sides, substantially as described.

4. In a temporary binder, the combination of a base provided at its ends with flat upright guides made with their adjacent sides open and having inwardly-extending side walls, a top provided with flat spring sides adapted to fit in said guides between the side walls thereof, said side walls extending in beyond the inner faces of said sides, apertures in the guides, and lugs on the spring sides, the lugs being adapted to engage the apertures and being held normally in engagement therewith by the outward spring-pressing action on the part of the spring sides, substantially as described.

In witness whereof I hereunto subscribe my name this 9th day of October, A. D. 1903.

JOHN P. MENTZER.

Witnesses:

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I. C. LEE.