

(No Model.)

G. H. WINSLOW.
BINDER FOR LEAVES.

No. 517,635.

Patented Apr. 3, 1894.

FIG. 1.

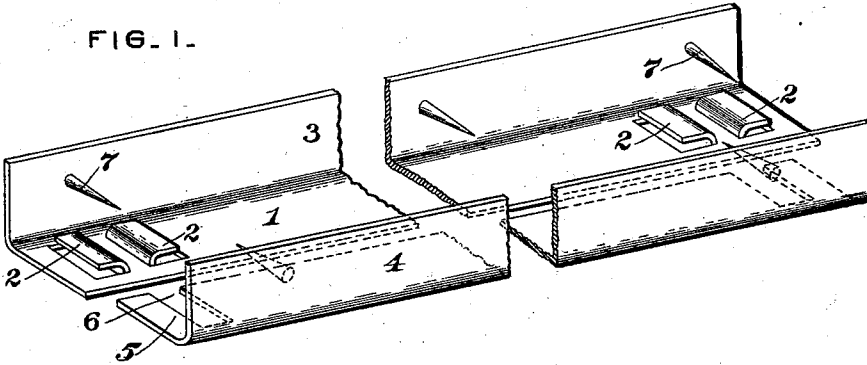


FIG. 2.

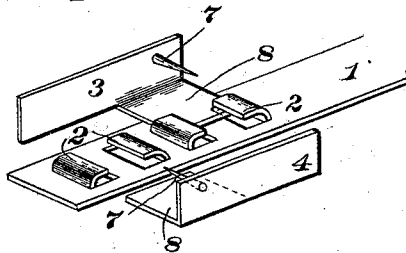
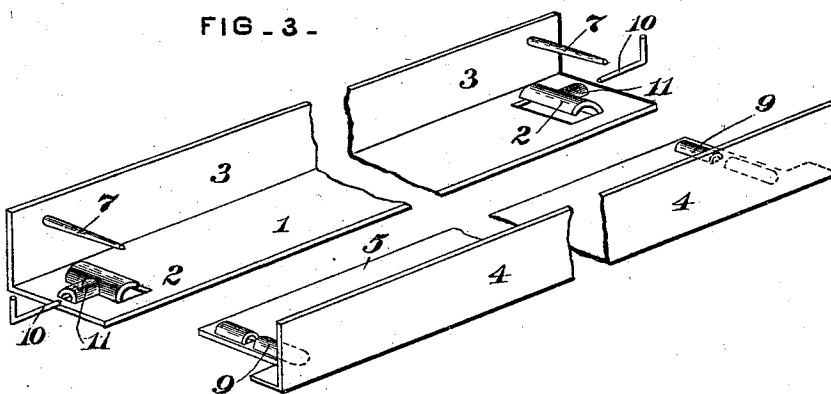


FIG. 3.



WITNESSES:

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INVENTOR,

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by George H. Christy
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UNITED STATES PATENT OFFICE.

GEORGE H. WINSLOW, OF PITTSBURG, PENNSYLVANIA.

BINDER FOR LEAVES.

SPECIFICATION forming part of Letters Patent No. 517,635, dated April 3, 1894.

Application filed October 10, 1893. Serial No. 487,755. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. WINSLOW, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented or discovered certain new and useful Improvements in Binders for Leaves, of which improvements the following is a specification.

The invention described herein relates to certain improvements in the binders for leaves described and claimed in Letters Patent No. 484,275, dated October 11, 1892, and has for its object a simple construction whereby loose leaves may be readily secured together, and removed and replaced at will.

In general terms, the invention consists in the construction and combination substantially as hereinafter described and claimed.

In the accompanying drawings forming a part of this specification, Figure 1 is a perspective view of my improved binder, the parts thereof being shown separated for the insertion of leaves. Fig. 2 is a similar view of one end of the binder, showing certain modifications in the construction thereof, and Fig. 3 is a perspective view of further modifications of the device.

In the practice of my invention, the back piece or strip 1, which may be secured in any suitable manner between covers, is formed of a thin metal strip and near its ends are struck up pairs of lips 2. As shown in Fig. 1, these lips are so struck up as to project in opposite directions and form guides for the other part or member of the binder. Along one edge of the back piece is formed the side piece 3, preferably integral with the back piece, and formed by bending a portion thereof at right angles to the back piece. The other side piece 4 is formed with a flange portion 5, which is notched at or near its ends so as to permit the portion 5 to slide over the back piece 1, the portions of the flange adjacent to the notches 6 passing under the lips 2 whereby the side piece 4 is held from movement away from the back piece except by a sliding motion transverse thereof. The side pieces 4 and 3 are provided at opposite ends and when necessary also at intermediate points, with inwardly projecting pins 7, adapt-

ed to pass through the leaves which are held thereon by the side pieces when the parts of the binder are placed together, as will be readily understood.

In lieu of forming the back piece 1 and side piece 3 integral with each other, as shown in Fig. 1, they may be made separable from each other, as shown in Fig. 2. In this construction two pairs of lips are formed at each end of the back piece 1, and the lips of each pair are so struck up as to project toward each other. The side pieces 4 and 3 are provided with flange portions 8, at right angles to the side pieces, and of a width equal to the distance apart of the lips of each pair, so as to slide under said lips and be held in position thereby, on the back piece. In the construction shown in Fig. 1, the side pieces are provided with pins 7 at their opposite ends.

As shown in Fig. 3, the back piece may be formed with only one engaging lip at each end, in which case the flange portion 5, of the side piece 4, is made of a length equal to the distance between the lips, so as to pass between them, the lips overlapping the ends. As shown in Fig. 3, the flange portion 5, of the side 4 may be provided with a rib 9, in such proximity to its ends as to pass under the lips of the back piece, which, in such case, may be curved so as to fit over the ribs.

As shown in Fig. 3, both of the pins 7 may be formed on one of the side pieces, as 3, the other side piece serving as a keeper when slipped into position to prevent the leaves from slipping off of the pins. If desired, the two parts of the binder may be held in suitable relation to each other by any suitable form of lock, such, for example, as that shown in Fig. 3. This lock consists of a pin 10, which passes through a struck up portion 11, in the back piece and enters a notch formed in the rib 9, of the other member of the binder. As shown in Fig. 2, the side pieces 4 and 3 need not extend the entire length of the binder, but should be made of such a length as to have a comparatively long bearing on the leaves near the ends thereof.

I claim herein as my invention—

1. In a binder for leaves, the combination of a back piece provided with guiding and

retaining lips and a laterally movable side piece constructed to engage said lips and provided with inwardly projecting pins, substantially as set forth.

- 5 2. In a binder for leaves, the combination of a back piece provided with guiding and retaining lips, a side piece formed integral with the back piece, a laterally movable side piece constructed to engage said lips, and pins
10 attached to the side pieces, substantially as set forth.

3. In a binder for leaves, the combination

of a back piece, provided with guiding and retaining lips, a laterally movable side piece constructed to engage said lips and provided 15 with inwardly projecting pins, and a lock for holding the side piece in proper relation to the back piece, substantially as set forth.

In testimony whereof I have hereunto set my hand.

GEORGE H. WINSLOW.

Witnesses:

THOS. H. LEGGETT,
FRANK J. CORDÉ.