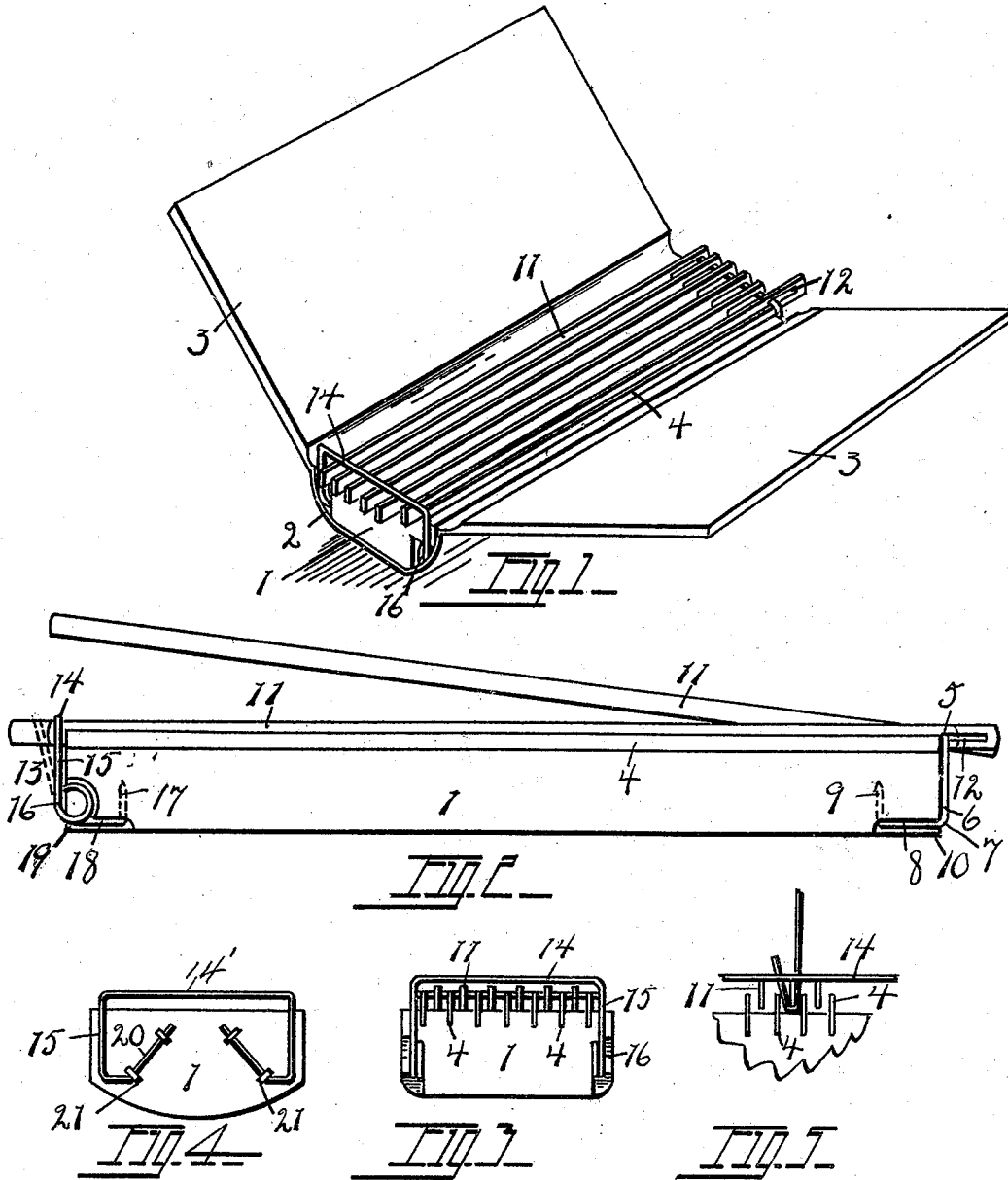


(No Model.)

A. L. WEIS.
TEMPORARY BINDER.

No. 550,809.

Patented Dec. 3, 1895.



WITNESSES

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ANDREW L. WEIS, OF TOLEDO, OHIO.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 550,809, dated December 3, 1895.

Application filed June 3, 1895. Serial No. 551,467. (No model.)

To all whom it may concern:

Be it known that I, ANDREW L. WEIS, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Temporary Binders; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form part of this specification.

My invention relates to a temporary binder, and has for its object to construct a binder in book form, in which the insertion of leaves, pamphlets, or magazines can be quickly accomplished, and also that will allow of the removal of a particular leaf, pamphlet, or magazine without releasing or affecting those secured.

A further object is to simplify and cheapen the binder.

In the drawings, Figure 1 is an elevation of a complete binder, showing one of the binding-bars retracted in position to be released by springing the end wire. Fig. 2 is a side elevation of the binder, showing one binding-bar retracted to allow of releasing the free end by a movement of the end wire, as shown in dotted lines, also showing a binding-bar in normally locked position, with a binding-bar released at the free end and in position to receive an object to be bound. Fig. 3 is an end view of the binder. Fig. 4 is an end view showing a modified form of end wire; and Fig. 5 is an end view showing a single sheet, as music, &c., held in position by the binding-wire.

1 designates the back, preferably of wood, rounded upon the under side in the form of an ordinary book-back, and upon which is secured the back 2 of the covers 3. The upper side of the back 1 is preferably divided or spaced by a plurality of strips 4, let into the back at a proper distance to accommodate the thickness of the matter to be bound. Upon the rear end of the back there is secured a holding-wire formed with a horizontal portion 5, of slightly less length than the width of the back, and with right-angled depending side portions 6, bent at right angles at 7, the

right-angled portion 8 lying parallel with the under side of the back, and again bent at right angles to the horizontal portion 8 to form a stud 9, to enter the body of the back and secure the holding-wire to the back. The corners 10 of the back are preferably cut away to allow the horizontal portion 8 of the wire to be embedded therein that the cover-back may have a smooth contour at this point.

11 designates the binding-bars, of which there may be as many as desired, for temporary filing of magazines. The binder may be of a book form to accommodate but one, in which there is but one binding-bar. If two or more magazines are to be bound, the back is made of a desired width and the number of spacing-strips inserted that are necessary, as well as the number of binding-bars provided. In providing for binding such works as *Puck* or *Judge* a number of copies may be bound in one binder without rendering the binder too large or cumbersome. For binding sheet-music, as shown in Fig. 5, the spacing-strips are set to the proper width and a portion of the lower edge of the music is clamped by the binding-bars, leaving the sheets to be freely turned without being separated by the binding-bar.

Each binding-bar is formed with a slot 12 at the rear end, through which the horizontal portion 5 of the binding-wire is passed, thereby allowing of moving the bar longitudinally of the back. Upon the front end of the back is secured a spring-wire 13, having a horizontal keeper-bar 14 and side wires 15 at right angles thereto, coiled at 16 to allow of springing the keeper-wire outwardly and secured to the back by right-angled studs 17 driven into the back, a horizontal portion 18 of the wire lying in parallel relation with the back in channels 19. With this construction, to insert a leaf, pamphlet, or magazine the binding-bar is moved backward the full length of the slot, thereby leaving but a short portion of the front end engaged with the spring keeper-wire, which is released by springing the wire outwardly until the end is released, when the matter to be bound is placed upon the binding-bar and the bar brought to a parallel position with the back, thereby forcing the lower portion of the bound matter between the spacing-strips and allow-

ing the front end of the binding-bar to be engaged by the keeper by slightly springing the keeper-bar outwardly.

It will be seen that any portion of the bound matter may be removed without disarranging the balance, as any one of the binding-bars may be released without releasing any of the others.

In Fig. 4 is shown a modified form of spring keeper-wire in which there are right-angled side wires 15, depending from the keeper-bar 14', and angled arms 20, projecting inwardly from the side wires, which lie smoothly upon the end of the back and are held by staples 21, this construction allowing the keeper-bar to be sprung sufficiently to allow of releasing the end of the binding-bar.

While I have shown the top of the back as divided by spacing-bars, I wish it understood that I may accomplish the same purpose by cutting rectangular grooves in the back of the desired depth and width.

What I claim is—

1. In a temporary binder, a back, covers secured thereon, a transverse bar secured at

one end, binding bars secured upon the transverse bar having slotted ends to engage the bar, a spring keeper at the opposite end, said slots allowing the bars to move longitudinally until near disengagement with the spring keeper which when pulled outwardly under tension of the spring releases the binding-bar.

2. In a temporary binder, a back, covers secured thereon, a transverse bar secured at one end, binding bars secured upon the transverse bar having slotted ends to engage the bar, and a keeper secured upon the opposite end comprising a transverse bar to engage the binding bars, said transverse bar having its ends secured to the back and formed into a spring.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

ANDREW L. WEIS.

Witnesses:

WILLIAM WEBSTER,
MAUDE SCHUMACHER.