

L. M. MORDEN.
 TEMPORARY BINDER.
 APPLICATION FILED OCT. 12, 1908.

908,598.

Patented Jan. 5, 1909.

FIG. 1

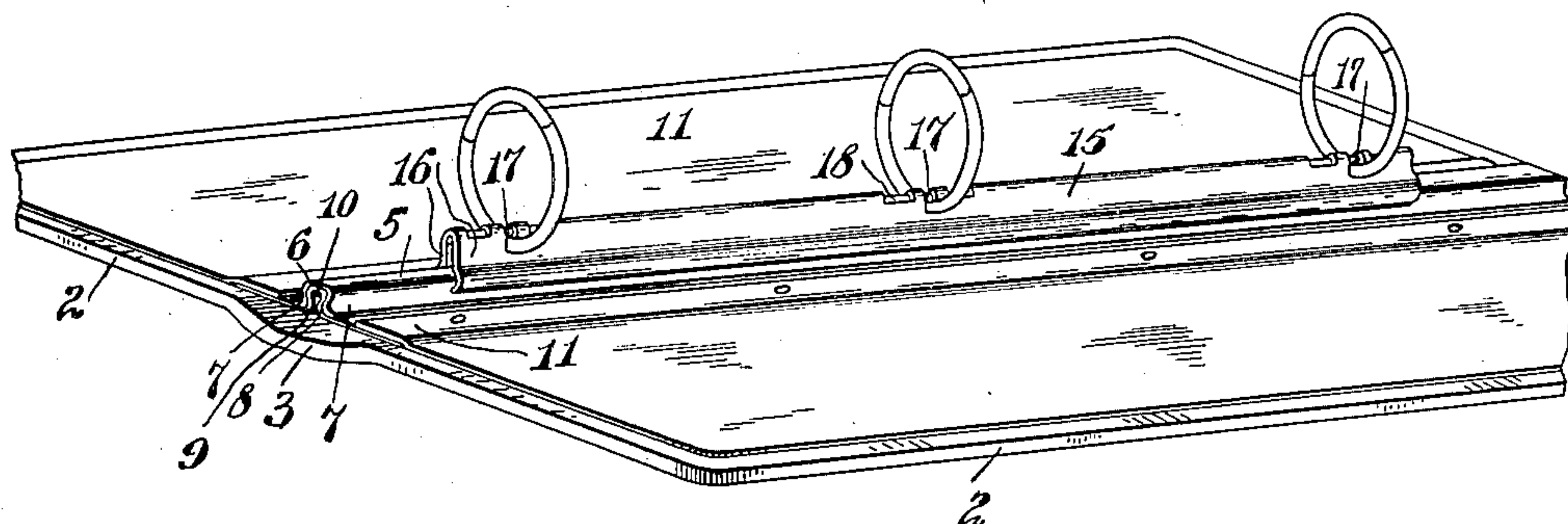


FIG. 2

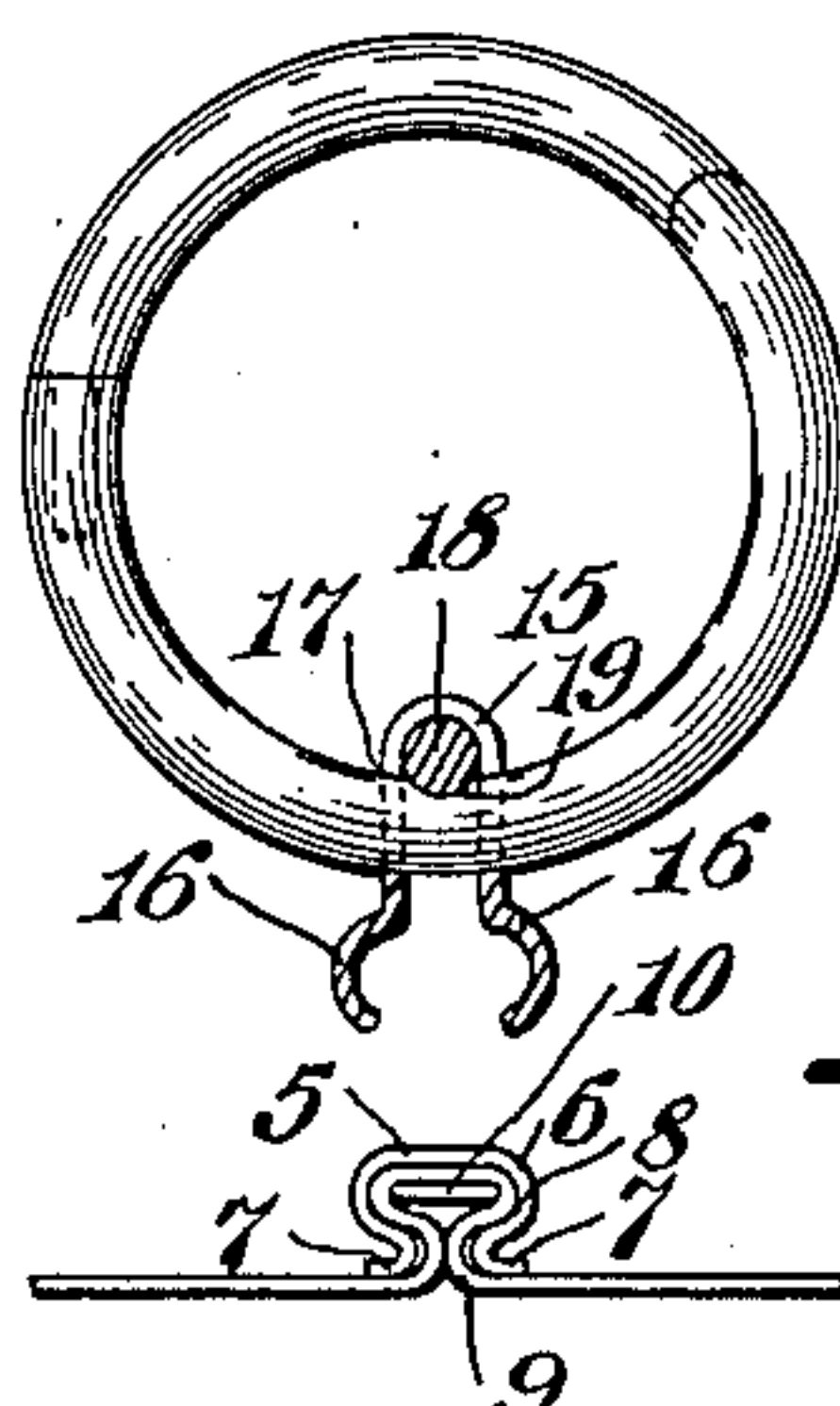


FIG. 3

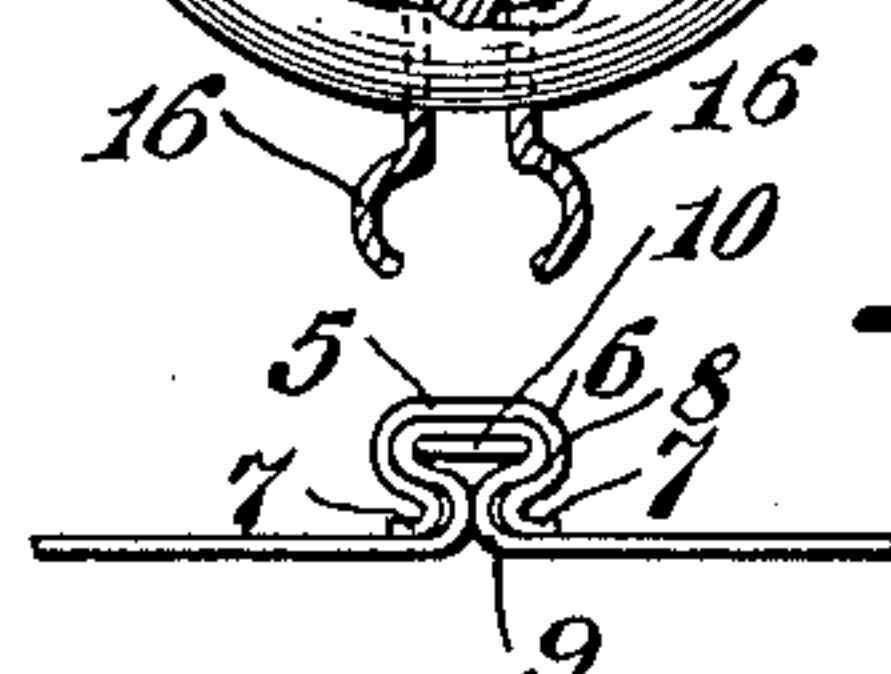
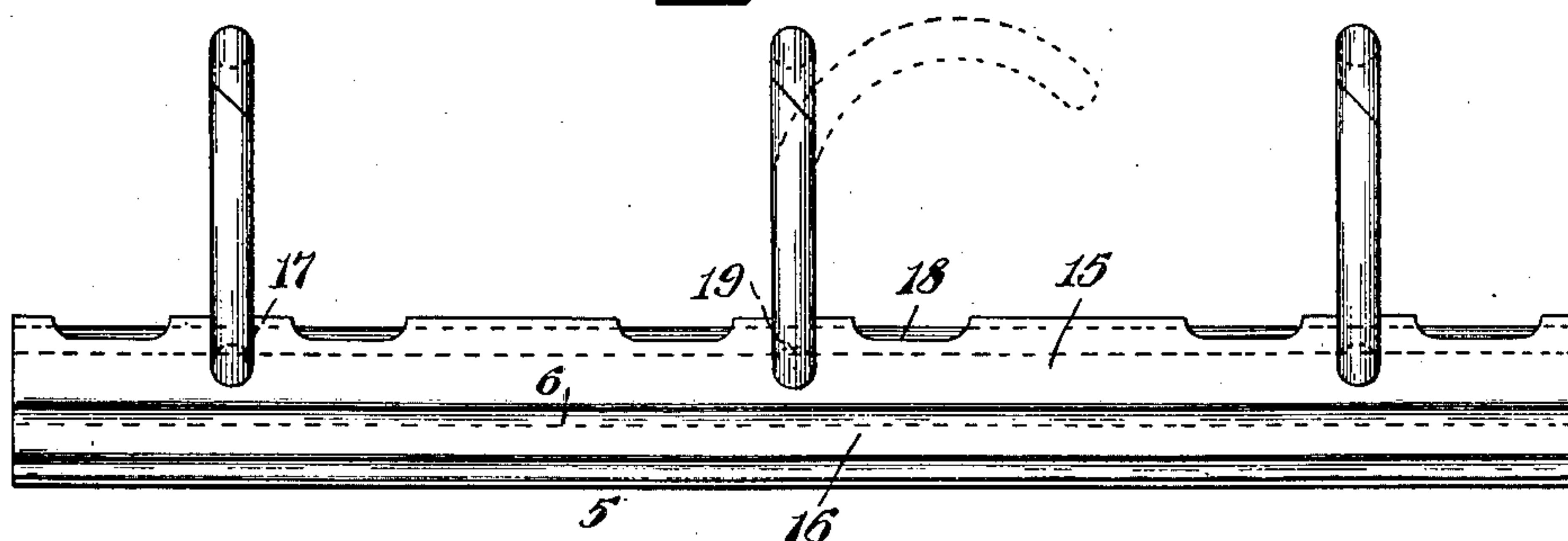


FIG. 4



Witnesses:

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UNITED STATES PATENT OFFICE.

LUCENA M. MORDEN, OF WATERBURY, CONNECTICUT.

TEMPORARY BINDER.

No. 908,598.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed October 12, 1908. Serial No. 457,242.

To all whom it may concern:

Be it known that I, LUCENA M. MORDEN, a citizen of the United States, residing in Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Temporary Binders, of which the following is a specification.

The present improvement relates to temporary binders, and is an improvement in part upon the binder shown and described in my contemporaneously pending application Serial No. 416,260, filed February 17, 1908.

The object of the invention is to provide an improved binder in which a plurality of rings are all simultaneously detachable from the back of the book or other means of support so that they may be interchanged with other rings of the same or different sizes, and which rings may also be, if desired, all simultaneously adjustable relative to the book back or other means of support.

A further object of the invention is also to provide a temporary binder in which all of the rings are carried by a single member of such form that it is of less width than the inside diameter of the rings and which organization will enable the furnishing of a binder of the character set forth which is extremely simple in construction and application and highly efficient in use, and by means of which also when the same is used in connection with suitable book covers such covers may be opened back to back or the leaves may be opened to lie flat when the covers or other supporting means are laid upon a desk or table.

In the drawings accompanying and forming part of this specification, Figure 1 is a perspective view of this improved temporary binder shown attached to the back of a pair of book covers, which are partly broken away; Fig. 2 is an enlarged view of one of the rings and a sectional view of its carrying clip thereto attached; Fig. 3 is an end view of the track, way, strip or tongue to which the clip carrying the rings is attached; and Fig. 4 is a side view of the rings and their carrying clip.

Similar characters of reference indicate corresponding parts throughout the different figures of the drawing.

It is highly desirable in practice that the leaves of a temporary binder shall so open as to lie flat. It is also frequently of advantage

when book covers are used that they shall open back to back, as this facilitates the use of the book. Not only this, but it is also necessary, to secure the greatest efficiency in a binder of this class, that the same may be used at different times with various sizes of leaves in which the perforations or openings for the reception of the prongs or rings are differently located, or in which sometimes leaves of the same size have the perforations differently located, and also to have the temporary binder so constructed that a larger or smaller quantity of leaves may be used with the same cover, which, of course, frequently necessitates different sizes of binding rings.

The object, therefore, of the present improvement is to obtain in one binder all of the aforesaid advantages, and this in connection with a very narrow supporting means which may be mounted on and take up very little space crosswise of the book cover, while at the same time carrying all of the rings upon the same removable carrying clip or member.

In the present instance I provide a pair of book covers 2 furnished with the usual flexible back 3 which is supplied with this improved guiding means, shown in the present instance as a narrow tongue or strip comprising a track in the form of a slideway or guideway 5 so narrow compared with the diameter of the rings that its width is hardly appreciable, and which track is by some suitable means secured to the supporting means, or, as shown in the present instance, the back member of a pair of book covers. In the form shown this track is made of a metal member 6 of dovetail formation provided with out-turned flanges 7 at its lower edges forming a dovetail groove 8 into which a piece of cloth or other suitable material 9 is inserted, this being secured therein by means of a strip 10 of some suitable material, usually of metal. The cloth 9 may be used to secure the track 5 in the back of a book by gluing the same along the edges thereof under the edge of the usual leather lining 11 of the cover, so that the guideway will extend longitudinally of the book and preferably centrally thereof. Various forms of track, however, may be used.

The leaf carrying rings or prongs may be of various forms. For instance, they may be made, as shown herein, of a pair of members one part of which is movable toward and

from the other. In the present instance all of the rings are mounted on a suitable carrying means comprising a carrier or clip 15, shown herein as of resilient formation adapted for attachment to the particular guiding means or track in connection with which it is to be used. As shown herein, the clip is provided with a pair of engaging members 16 adapted to overlap the track and corresponding to the formation of such track. In the form shown this carrier, to which all of the rings are connected, is made of metal bent upon itself, each ring being rigidly secured in an opening 17 formed transversely in the carrier and secured therein by a pin 18 extending longitudinally of the carrier on the inner side of the ring, the ring being suitably recessed, as at 19, so as to interlock with the pin, thus preventing circular movement of the ring so that it will be held against displacement. By means of this improvement it will be seen that as all of the rings are carried by the same carrier or clip and rigidly secured thereto they may all be simultaneously shifted lengthwise on their track to bring them into position to correspond with the perforations of the leaves and may also all be simultaneously removed so as to be interchanged with another set of rings carried by a different carrier or clip. Thus when the improvement is used with a hook and the same becomes entirely used up the leaves, together with the carrier, may be removed and filed away and another set of leaves, together with the carrier may be attached, thus enabling the leaves which have been used up to always remain in their bound condition ready for use, so that none of them will become displaced. Moreover, if at any time it becomes desirable to use a larger or a smaller prong or ring a clip carrying such small or large rings may be substituted for the one previously used.

The present binder is particularly well adapted for price books as well as other forms of books in which it is highly desirable that the leaves shall lie flat, the very narrow track taking up but little room crosswise of the back of the book or other support to which it may be attached.

From the foregoing it will be observed that all of the rings are rigidly fixed to the same clip, so that they may all be adjusted or removed simultaneously, and by the present mode of attachment of the rings I am able to locate the same transversely of the carrier or clip, which itself is located in alinement longitudinally of its track, while at the same time insuring that the track which secures the rings to the back of a pair of book covers will be relatively narrow so that it will not project appreciably beyond the portion of the ring to which it is secured. Thus I am able to obtain, by very simple fastening means, the advantages of an adjustable and

interchangeable set of rings all simultaneously adjustable or removable, while at the same time the leaves may be operated at any point and will lie flat upon adjacent covers, and it will be observed that by reason of the very narrow form of the guideway the covers may be opened back to back, since the guideway when located centrally of the back takes up but a very small portion crosswise thereof, not sufficient to prevent the covers from being opened back to back.

In practice other forms of tracks and ring carriers could be used, one projecting into the other, whether this be the track or the carrier.

I claim as my invention:

1. In a temporary binder, the combination of a narrow guideway, a detachable carrier slidably attached to said guideway, and a plurality of rings all fixedly secured to said carrier whereby all of the rings may be simultaneously attached and detached from the guideway.

2. In a temporary binder, the combination of a narrow guideway of less width than the inside diameter of the rings, a detachable carrier slidably attached to said guideway, and a plurality of rings all fixedly secured to said carrier whereby all of the rings may be simultaneously attached and detached from the guideway.

3. In a temporary binder, the combination with the back of a pair of book covers, of a narrow guide strip secured to such back and of less width than the inside diameter of the rings, a detachable carrier slidably attached to said guideway, and a plurality of rings all fixedly secured to said carrier whereby all of the rings may be simultaneously attached and detached from the guideway.

4. In a temporary binder, the combination with the back of a pair of book covers, of a narrow dovetail formed guide strip secured to said back and of less width than the inside diameter of the rings, a detachable dovetail formed carrier mounted on said strip, and a plurality of rings fixedly secured to said carrier whereby all of the rings are attachable or detachable simultaneously from the strip.

5. In a temporary binder, the combination with a book cover, of a guideway located centrally of the back thereof and of materially less width than the back of such cover, a resiliently formed detachable carrier slidably attached to said guideway, and a plurality of rings fixedly secured to said carrier whereby all are simultaneously attachable or detachable from said guideway, said rings being secured crosswise of the carrier.

6. In a temporary binder, the combination with a support, of a guideway thereon, a readily detachable carrier mounted on said guideway and comprising a resilient clip having a plurality of transverse recesses

therein for the reception of rings, and a plurality of rings fixedly secured to said carrier crosswise thereof.

7. In a temporary binder, the combination with a support, of a guideway thereon, a readily detachable carrier mounted on said guideway and comprising a resilient clip having a plurality of transverse recesses therein for the reception of rings, and a plurality of rings fixedly secured to said carrier crosswise thereof, each of said rings having a transverse recess, and a pin interlocking each ring and clip and extending crosswise of said ring.

8. In a temporary binder, the combination of narrow guiding means, a carrier readily detachable therefrom, one projecting into the other, and a plurality of leaf receiving rings fixedly secured to said carrier whereby they are all simultaneously attachable or detachable.

9. In a temporary binder, the combination with the back of a pair of book covers, of narrow guiding means secured thereto, a readily detachable carrier, one of such parts having a resilient clamping portion and one of such parts overlapping the other, and a plurality of leaf receiving rings fixedly se-

cured to said carrier whereby they are attachable or detachable simultaneously from the guiding means.

10. In a temporary binder, the combination with a pair of book covers having a back, of a longitudinally extending narrow track of less width than the inside diameter of the rings located on said track, a detachable ring carrying clip slidingly attachable to said track and of substantially the same length as said track, and a plurality of leaf receiving rings rigidly secured to said carrier crosswise of said track whereby they are all simultaneously attachable or detachable from said track.

11. In a temporary binder, the combination of a relatively narrow guideway or track, a readily detachable carrier of substantially the same length as said track, one of said parts projecting into the other, and a plurality of leaf receiving rings fixedly secured to said carrier whereby they are all simultaneously attachable and detachable from the track.

LUCENA M. MORDEN.

Witnesses:

A. N. WOOD,

W. D. MAKEPEACE.