

W. C. TRAHER.
 LOOSE LEAF BINDER.
 APPLICATION FILED AUG. 19, 1909.

962,868.

Patented June 28, 1910.

FIG. 1.

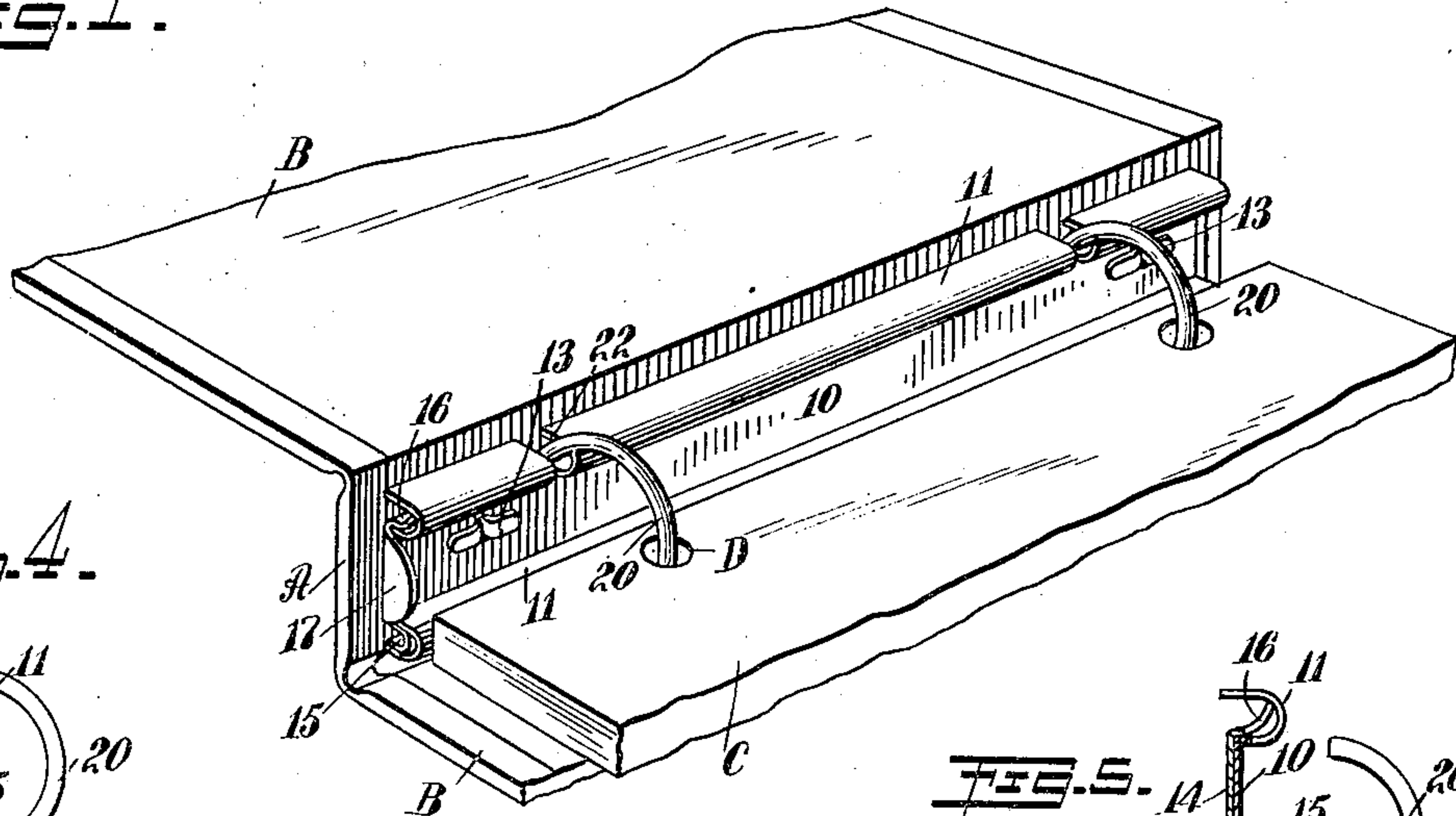


FIG. 4.

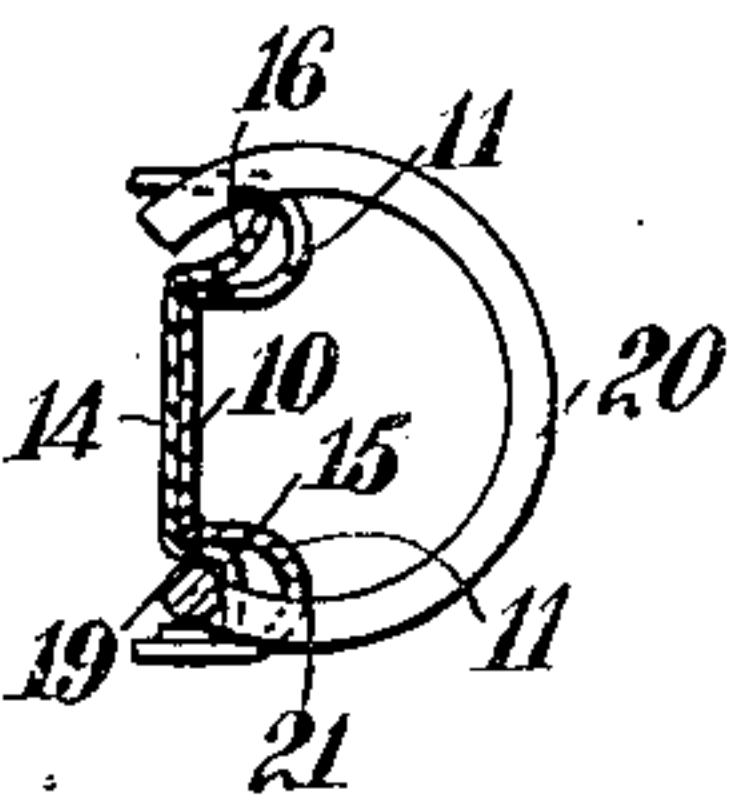


FIG. 2.

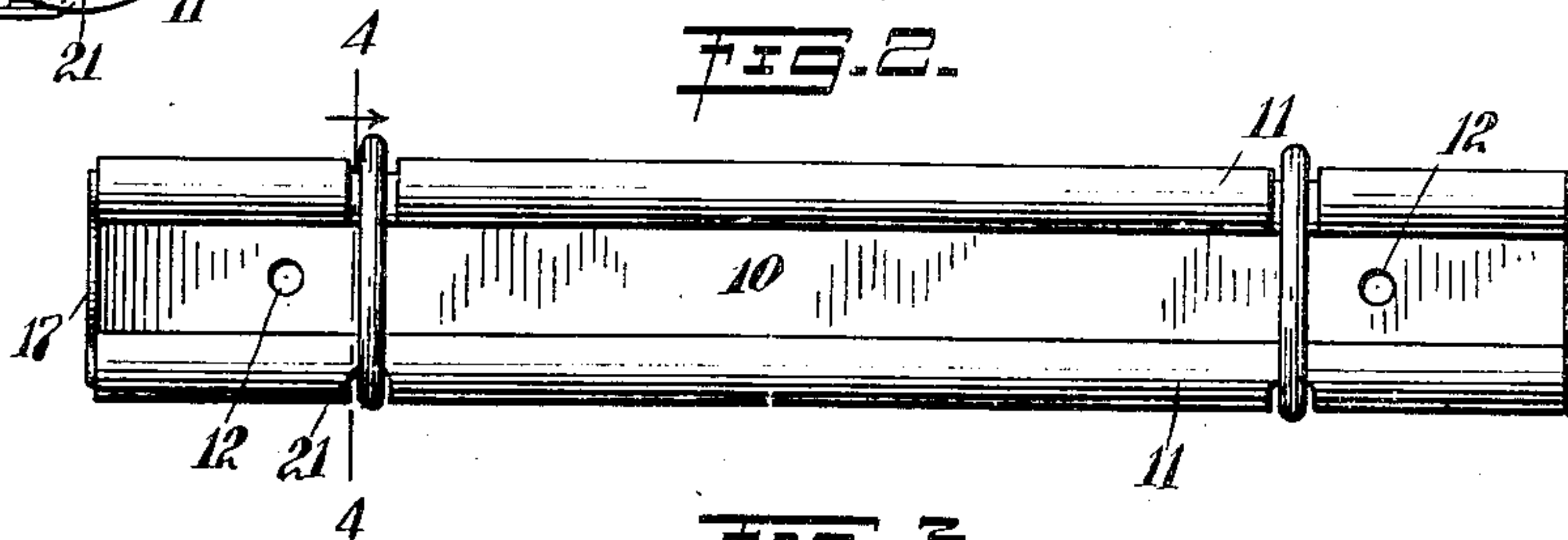


FIG. 5.

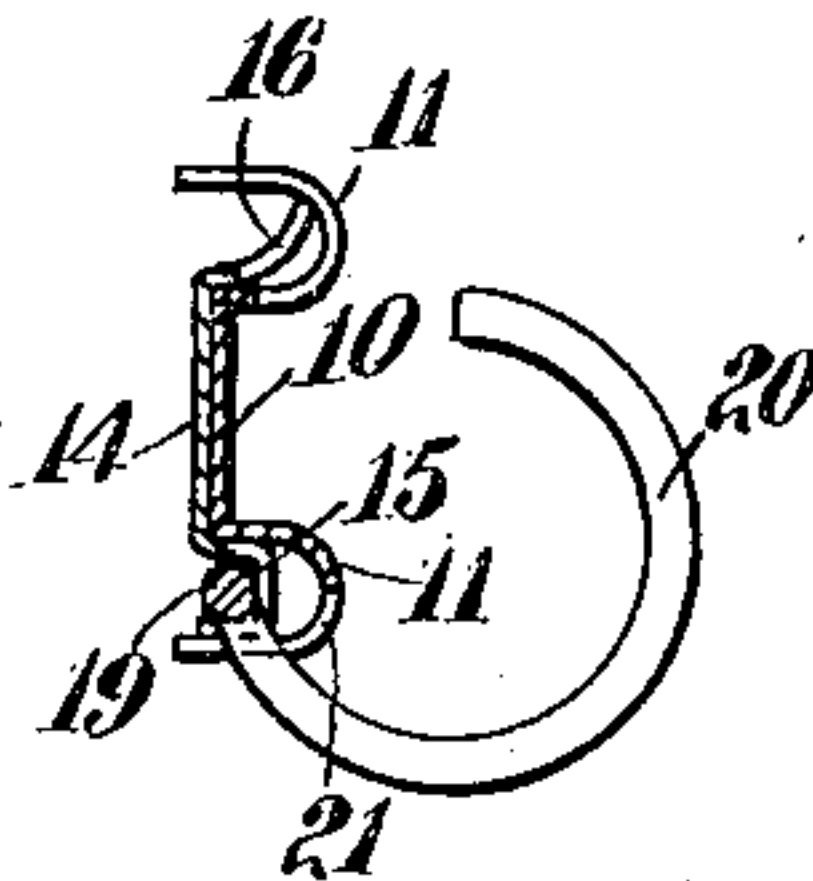


FIG. 3.

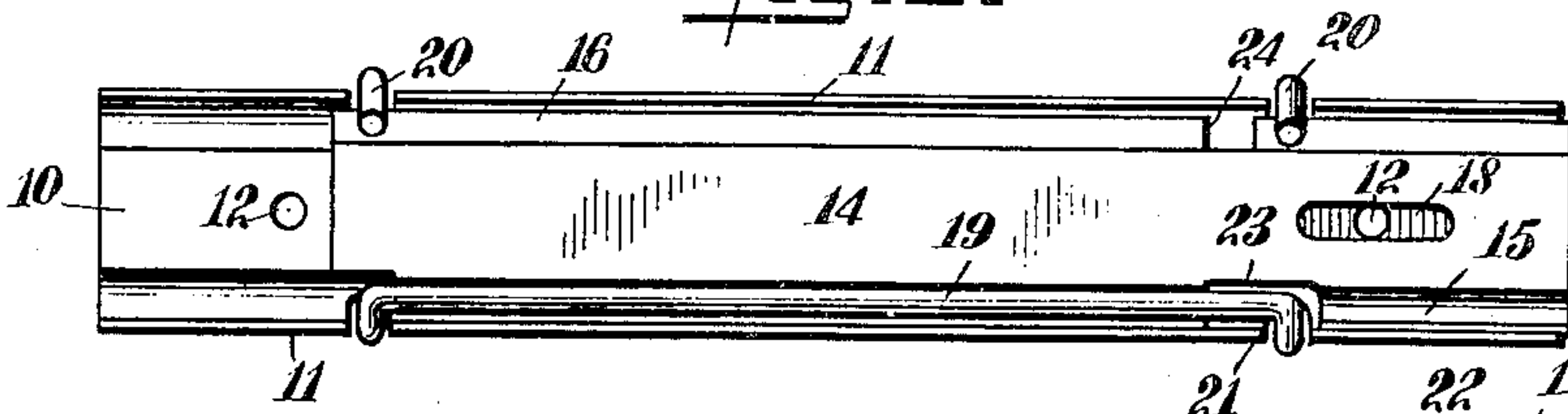


FIG. 6.

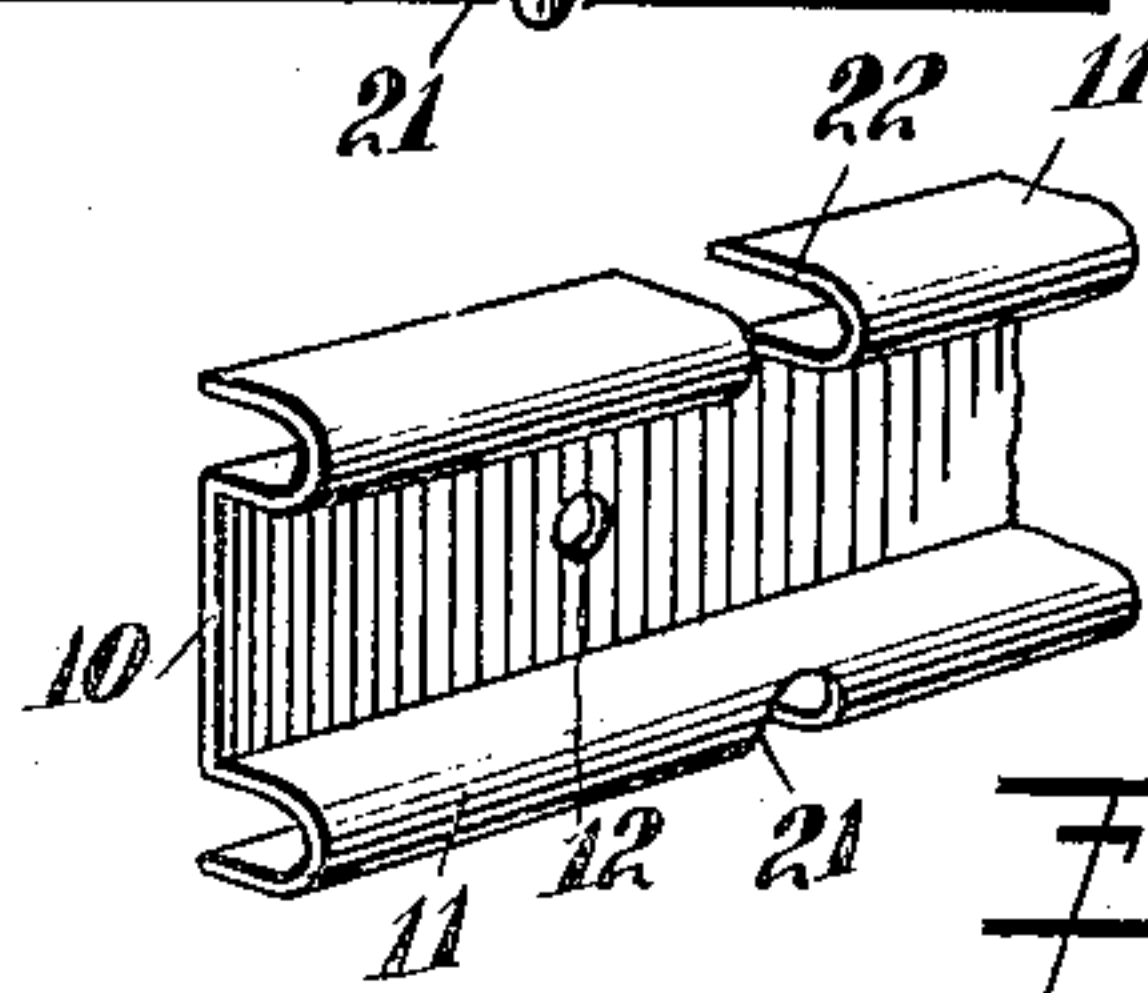
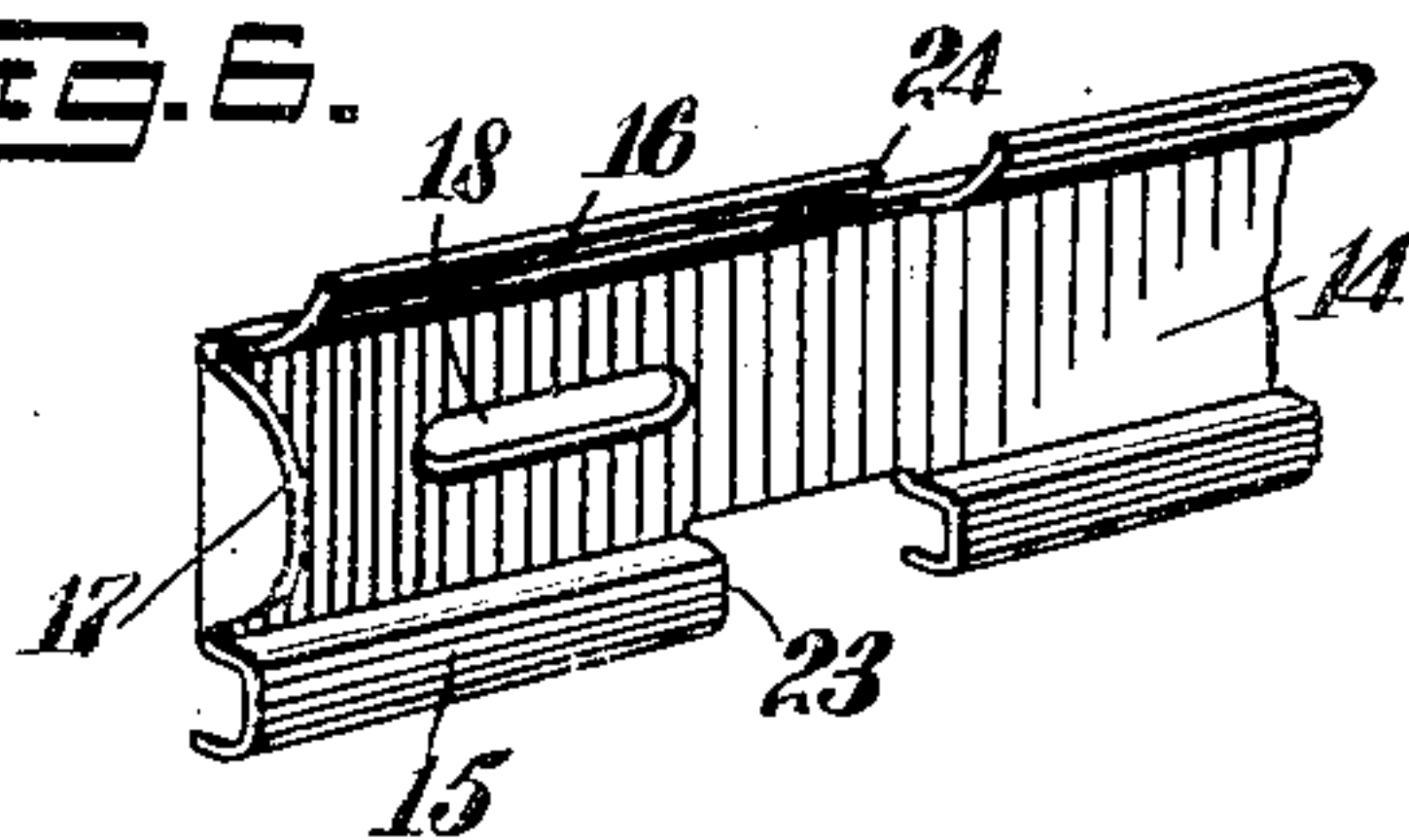
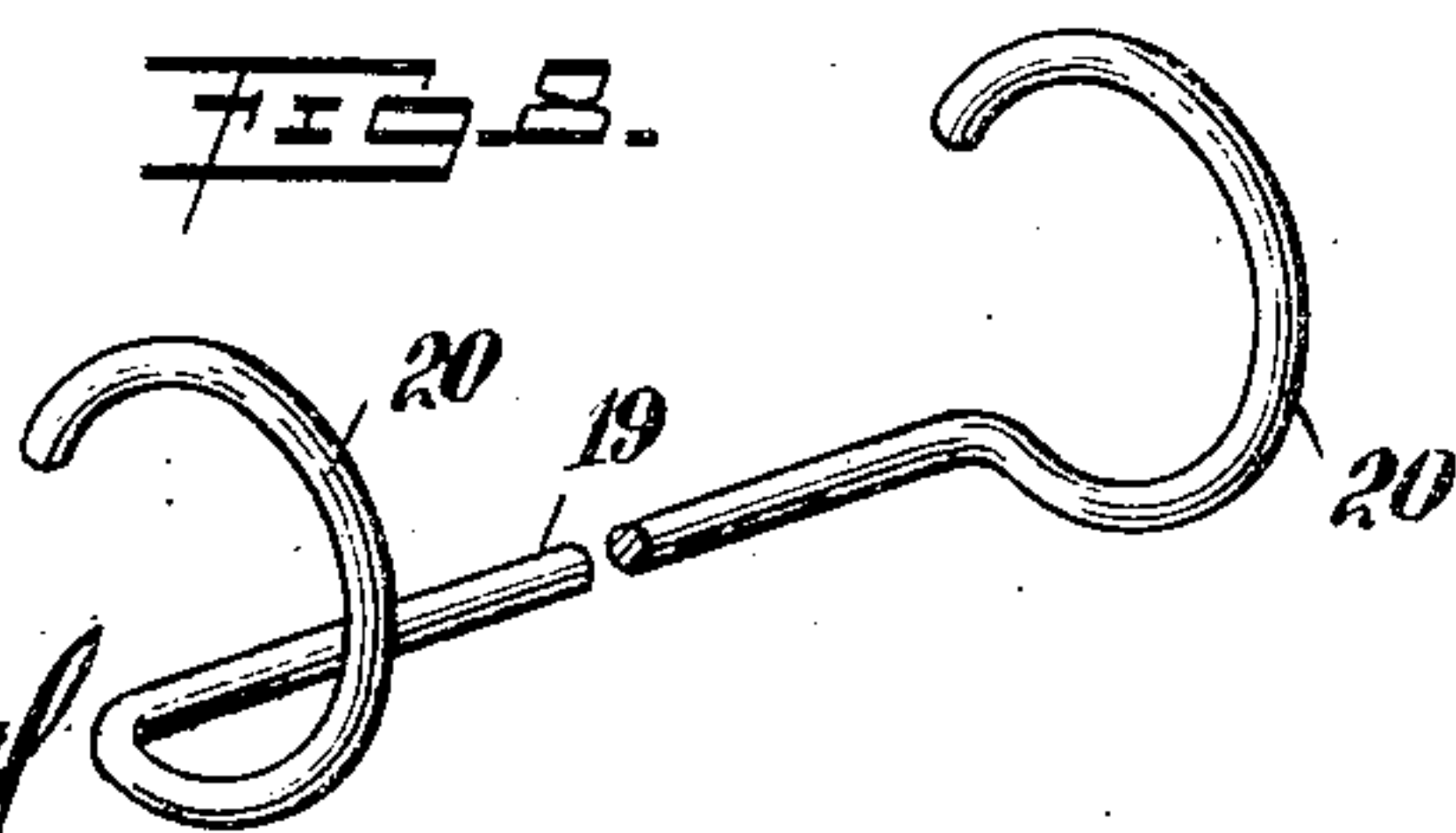


FIG. 7.

FIG. 8.



WITNESSES

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WILFRED C. TRAHER, OF LONDON, ONTARIO, CANADA.

LOOSE-LEAF BINDER.

962,868.

Specification of Letters Patent. Patented June 28, 1910.

Application filed August 19, 1909. Serial No. 513,560.

To all whom it may concern:

Be it known that I, WILFRED C. TRAHER, a subject of the King of Great Britain, and a resident of London, in the Province of Ontario, Canada, have invented a new and Improved Loose-Leaf Binder, of which the following is a full, clear, and exact description.

This invention relates to loose leaf binders, and more particularly to a device of this class comprising a member adapted to be secured in any suitable manner to a cover, a slide having a guiding relation with the member, and leaf holders movably held by the member, the slide being formed to secure the holder against movement in one position of the slide, and permitting the holder to be opened for the insertion or removal of leaves when the slide is in a second position.

The object of the invention is to provide a simple, strong and durable loose leaf binder which can be inexpensively manufactured, which comprises few parts, which can be easily attached to and detached from covers of different kinds, by an unskilled person, and by means of which the leaves can be securely held against displacement though permitting them to be turned easily.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a perspective view of an embodiment of my invention showing the same applied to a cover; Fig. 2 is a plan view of the device; Fig. 3 is an inverted plan view of the binder; Fig. 4 is a transverse section on the line 4—4 of Fig. 2; Fig. 5 is a view similar to Fig. 4 showing the leaf holder in a different position; Fig. 6 is a perspective view of part of the slide; Fig. 7 is a similar view of part of the retaining plate or member; and Fig. 8 is a similar view of the leaf holder showing part broken away.

Before proceeding to a more detailed explanation of my invention it should be clearly understood that while I prefer to fashion certain of the parts of the same from stamped or otherwise formed sheet metal, any other material adapted for the purpose can be employed. The leaf holders are preferably formed from wire bent

into shape, as will appear more clearly hereinafter. I have illustrated the device as attached to a cover by means of rivets, but I do not wish to limit myself to these devices for affixing the retaining plate in place. The binder of my invention can be so attached to and detached from a cover that an unskilled person, such as a school child, will have no difficulty in removing the device from one cover and placing it upon another, whereby the life and usefulness of the binder are increased.

Referring more particularly to the drawings, I provide a retaining plate or member preferably fashioned from metal, and having the opposite longitudinal edges formed into arched flanges 11. The member has openings 12 therethrough adapted to receive rivets 13 or the like for securing it in place upon the back A of a cover, which comprises in addition, the usual cover sides B, as shown most clearly in Fig. 1. The arched flanges 11 extend beyond the body of the retaining plate 10 so that this is offset from the back A to permit the slide 14 to move freely under the member 10.

The slide has an arched flange 15 guidingly engaging one of the flanges 11, and a curved flange 16 guidingly engaging the other flange 11 of the member 10. The flanges 15 and 16 are located at the opposite longitudinal edges of the slide. At one end the slide has an upwardly disposed extension 17 by means of which it can be easily manipulated. It has, further, a slot 18 which receives one of the rivets 13, the ends of the slot limiting the movement of the slide.

I provide a leaf holder comprising an elongated body portion 19, and at the extremities thereof, laterally disposed curved parts or rings 20, the ends of which are spaced from the body portion 19 and which serve to hold the loose leaves C, the latter being provided with the usual holes D for the purpose. The part 19 constitutes the pivot and is received under one of the arched flanges 11, the latter having cutaway parts 21 to permit the projection of the parts 20 of the holder, as is shown most clearly in Fig. 2. The opposite flange 11 has cutaway parts 22 to receive the free ends of the parts 20 of the holder. The flange 15 of the slide has cutaway parts 23 which are so arranged that the slide can move freely without interference on the part of the

holder. The flange 16 of the slide has cutaway parts 24 which in a predetermined position of the slide are adapted to register with the cutaway parts 22 so that the holder can be pivoted about the part 19, and to permit the insertion and removal of the free ends of the parts 20 of the holder. It will be understood that when the holder is so positioned the free ends of the parts 20 are within the cutaway parts 22 of the flange 11, that the slide can then be so arranged that the cutaway parts 24 do not register with the parts 22, and consequently it is impossible to retract the holder, and the latter will be held in a closed position. When the slide is adjusted so that the parts 24 register with the cutaway parts 22, the holder can be swung about the pivot part 19 to release the ends of the parts 20 for the insertion or removal of leaves C. The curved form of the parts 20 of the holder may be of any suitable kind provided the extremities are so formed that the flange 16 is operative to hold them against removal when the slide is in a predetermined position such that the cutaway parts 24 do not register with the cutaway parts 22.

Preferably, the slide 14 is so proportioned that but one slot 18 is necessary, as is shown most clearly in Fig. 3. Furthermore, but one cutaway part 24 need be provided as in one position of the slide it clears the one cutaway part 11.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:—

1. A loose leaf binder, comprising a member adapted to have a fixed attachment with a cover and offset therefrom, a slide under said member, and a pivoted leaf holder carried by said member, said slide being formed to secure said leaf holder against movement in a predetermined position of said slide.

2. A loose leaf binder, comprising a member adapted to have a fixed attachment with a cover and spaced therefrom, a slide guidingly held under said member and having a plurality of positions, and a movable leaf holder, said slide having a part adapted to secure said holder against movement in a predetermined position of said slide, said part of said slide being inoperative in a second position of said slide.

3. A loose leaf binder, comprising a member having laterally disposed flanges extending beyond the plane of said member, said member being adapted to have a fixed attachment with a cover, whereby said flanges engage the cover to offset said member, a slide guidingly held under said member, a leaf holder pivotally carried by said member and having a free end, said slide having a part adapted to engage said free end in a predetermined position of said slide, whereby said holder is secured against movement.

4. A loose leaf binder, comprising a member adapted to have a fixed attachment with a cover, and having laterally disposed flanges whereby said member is offset from the cover, a slide under said member and having parts guidingly engaging said flanges, a leaf holder having a part pivotally mounted under one of said flanges and having a free end adapted to be arranged adjacent to said member, said slide having a flange adapted to engage said free end in a predetermined position of said slide, whereby said holder is secured against displacement when said free end is adjacent to said member.

5. A loose leaf binder, comprising a member having arched flanges extending laterally beyond said member, said member being adapted to have a fixed attachment with a cover, whereby said flanges offset said member from said cover, a slide movably positioned under said member and having flanges slidably engaging said flanges of said member, a leaf holder having a part pivotally mounted under one of said flanges of said member and having a free end adapted to be positioned adjacent to the other of said flanges of said member, said last-mentioned flange having a cutaway part adapted to receive said free end, one of said flanges of said slide having a cutaway part, whereby in a predetermined position of said slide said leaf holder is free to move, said last-mentioned flange of said slide serving in a second position of said slide to lock said leaf holder against movement.

6. A loose leaf binder, comprising a member adapted to have a fixed attachment to a cover and provided with arched flanges having cutaway parts, a slide movably mounted underneath said member and having flanges guidingly engaging said flanges of said member, and a leaf holder having a part pivotally mounted within one of said flanges of said member and having a part projecting through said cutaway part, said last-mentioned part having a free end adapted to be positioned in said cutaway part of said other flange of said member, whereby said corresponding flange of said slide serves to lock said last-mentioned part of said holder, said last-mentioned flange of said slide having a cutaway part whereby in a predetermined position of said slide said last-mentioned part of said holder is released.

7. A loose leaf binder, comprising a member adapted to have a fixed attachment to a cover and provided with arched flanges having cutaway parts, a slide movably mounted underneath said member and having flanges guidingly engaging said flanges of said member, a leaf holder having a part pivotally mounted within one of said flanges of said member and having a part projecting through said cutaway part, said last-men-

tioned part having a free end adapted to
be positioned in said cutaway part of said
other flange of said member, whereby said
corresponding flange of said slide serves to
5 lock said last-mentioned part of said holder,
said last-mentioned flange of said slide hav-
ing a cutaway part whereby in a predeter-
mined position of said slide said last-men-
tioned part of said holder is released, said
10 slide having an extension whereby it can be
easily manipulated, and having further, a

limited movement, said last-mentioned part
of said holder being curved and laterally
disposed.

In testimony whereof I have signed my 15
name to this specification in the presence of
two subscribing witnesses.

WILFRED C. TRAHER.

Witnesses:

M. P. McDONAGH,
JAS. BARRATT.