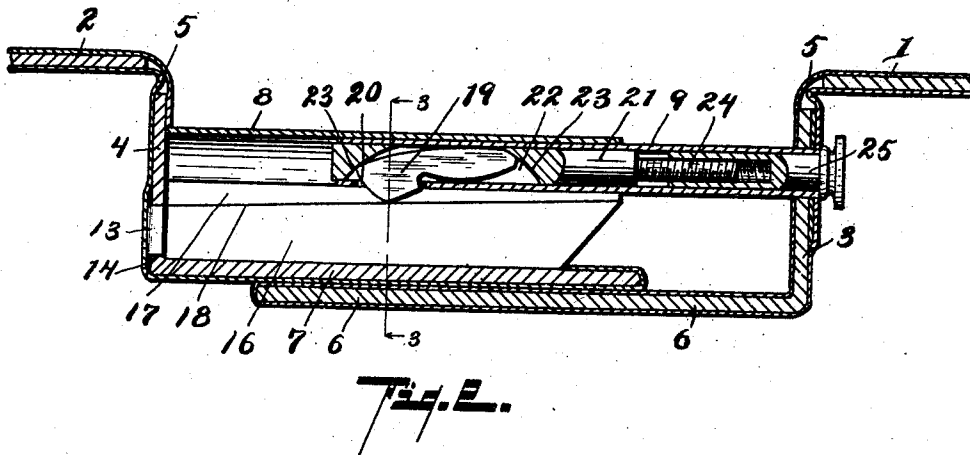
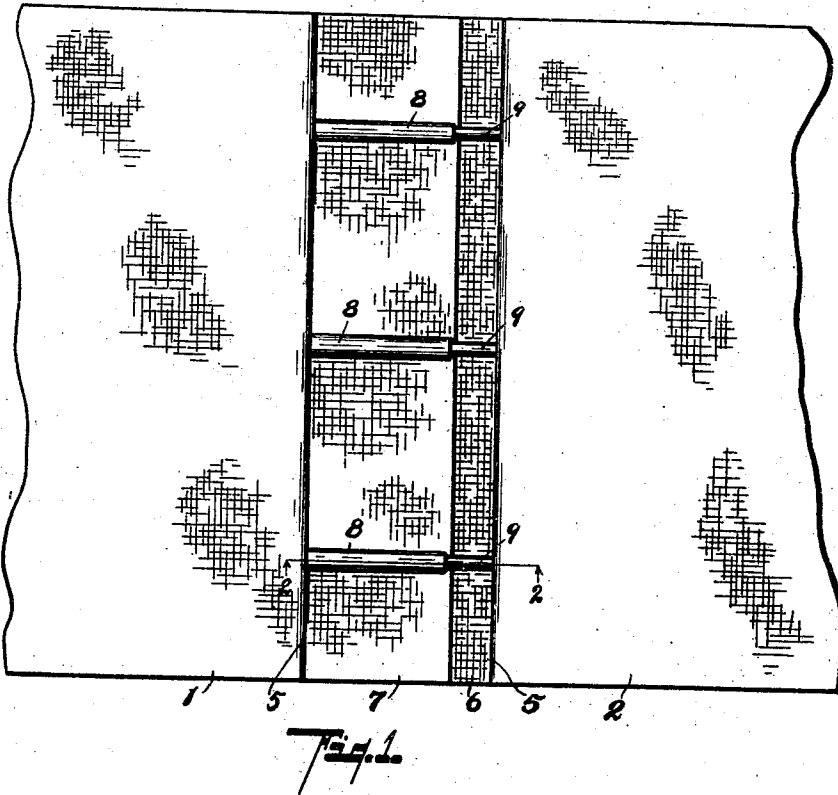


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 TEMPORARY BINDER OR LOOSE SHEET HOLDER.
 APPLICATION FILED FEB. 21, 1910.

978,922.

Patented Dec. 20, 1910.
 2 SHEETS—SHEET 1.



Inventor

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334

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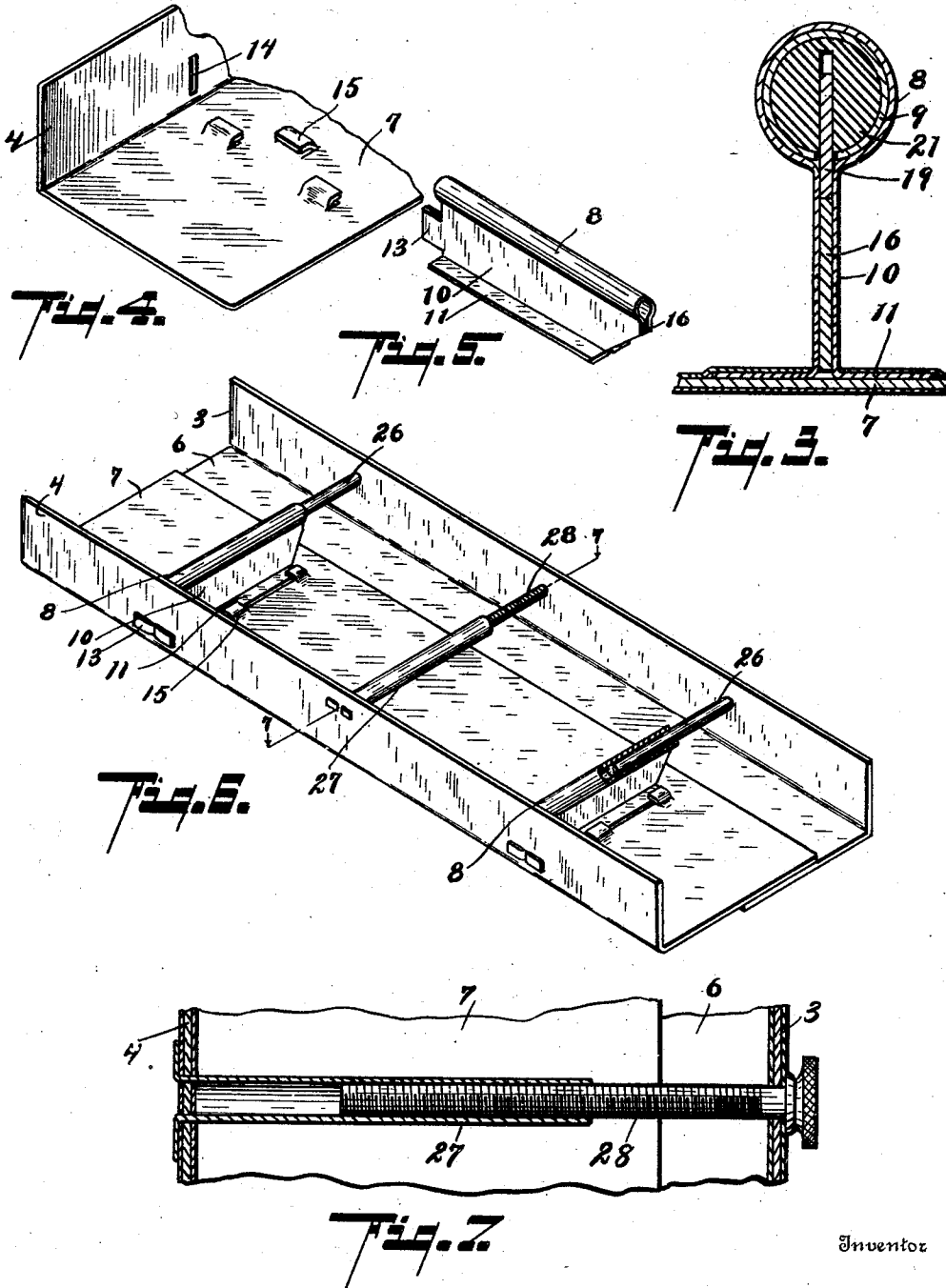
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UNITED STATES PATENT OFFICE.

CYRUS E. MOREHOUSE, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO THE HEINN COMPANY, OF MILWAUKEE, WISCONSIN.

TEMPORARY BINDER OR LOOSE-SHEET HOLDER.

978,922.

Specification of Letters Patent.

Patented Dec. 20, 1910.

Application filed February 21, 1910. Serial No. 545,035.

To all whom it may concern:

Be it known that I, CYRUS E. MOREHOUSE, a citizen of the United States, residing at Milwaukee, Wisconsin, have invented certain new and useful Improvements in Temporary Binders or Loose-Sheet Holders, of which the following is a specification.

This invention relates to improvements in temporary binders or loose sheet holders.

10 The main objects of this invention are: first, to provide in a temporary binder an improved post; second, to provide in a temporary binder an improved adjusting means; third, to provide an improved temporary
15 binder of the post type which is simple and economical, and, at the same time, one which is very satisfactory.

Further objects, and objects relating to structural details, will definitely appear
20 from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The structure described constitutes one effective embodiment
25 of my invention. Other embodiments would be readily devised by those skilled in the art.

The invention is clearly defined and pointed out in the claims.

A structure constituting an effective and
30 preferred embodiment of the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

35 Figure 1 is a detail inside plan of a structure embodying the features of my invention, the covers being open or extended. Fig. 2 is an enlarged detail longitudinal section taken on a line corresponding to line 2—2 of Fig. 1. Fig. 3 is an enlarged detail
40 section taken on a line corresponding to line 3—3 of Fig. 2. Fig. 4 is a detail perspective of a cover member 4 with the post members 8 removed therefrom. Fig. 5 is a perspective view of one of the post members 8.
45 Fig. 6 is a detail perspective view of a modified structure. Fig. 7 is an enlarged detail section taken on a line corresponding to line 7—7 of Fig. 6.

In the drawings, similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, the structure
55 illustrated is provided with covers 1 and 2.

The covers are provided with binding members 3 and 4, respectively, secured to the covers by means of the flexible hinge connections 5. The binding or cover members 3 and 4 are provided with inwardly-projecting telescoping back members or portions 6 and 7, respectively, which form the back of the binder. Each cover member and its respective back member are preferably formed integral, the same being pieces of sheet
65 metal bent into angular form, as shown.

The binding posts are made up of outer members 8 secured to the cover member 4, and inner members 9 secured to the cover member 3. The inner members 9 are adapted to telescope into the outer post members 8, as clearly appears in Fig. 2. The post members 8 are preferably provided with web-like shanks 10 on their rear edges, the shanks being provided with laterally-turned
75 attaching flanges 11 at their rear edges, and with projecting tongues 13 at their lower ends. The post member 8 and its shank and the flanges and tongues on the shank are preferably formed integrally of a piece of
80 sheet metal folded upon itself, as clearly appears from the drawing.

The cover member 4 is provided with slots 14 adapted to receive the tongues 13 on the shanks 10, while the back member 7 is provided with oppositely-facing tongues 15
85 adapted to engage the attaching flanges 11, thus effectively securing the post member to the cover members. A piece 16 is arranged between the parts forming the shank and secured thereto to co-act with these parts in forming a longitudinal groove 17 on the rear side of the post 8. The inner edge 18 of the piece 16 is preferably inclined, as clearly appears in Fig. 2, the object of which will
95 clearly appear as the description proceeds.

The means for adjustably securing the post members together preferably consists of an engaging member 19, which is arranged through a slot 20 in the inner post member to engage the groove 17 in the post. The actuating member 21 is preferably rod-like in form and provided with a slot-like seat 22 in which the member 19 is arranged, the ends of the seat being curved at 23 to provide
105 actuating cams for the engaging member as the member 21 is longitudinally adjusted in the post member 9. This longitudinal adjustment of the actuating member is preferably perfected by providing the member 21
110

with a threaded stem 24, the finger piece 25 being internally threaded to receive it. By this arrangement of the parts, the post members can be secured in any adjusted position, and the securing means is not only quickly manipulated to engage or release the same, but is very simple and durable.

In the modification shown in Figs. 6 and 7, the inner post members 26 telescope with the post members 8, but an independent adjusting means is provided, as shown, which consists of an internally threaded member 27 secured to one of the covers, while on the opposite cover is a screw 28.

As previously stated, my improved binder is very simple and economical in structure, and is, at the same time, very efficient and quickly adjusted, and very durable.

I have illustrated and described my improvements in detail in the form preferred by me. Various modifications will, however, readily suggest themselves to those skilled in the art to which this invention relates, and I desire to be understood as claiming the same specifically in the form illustrated, as well as broadly within the scope of the appended claims.

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

1. In a binder, the combination with the cover members having telescoping back members thereon, of an outer post member having a flat supporting shank on its rear side, said shank being provided with laterally-turned attaching flanges on its rear edge and securing tongues on its lower end, said post member and said shank and said attaching flanges and tongues being formed integrally of sheet metal folded upon itself and turned laterally to form said attaching flanges, the parts forming the shank being secured together, one of said cover members being provided with slots through which said tongues are arranged, its back member being provided with oppositely-facing flange-engaging tongues; and an inner post member carried by the other cover member and provided with a clutch securing means.

2. In a binder, the combination with the cover members having telescoping back members thereon, of an outer post member having a flat supporting shank on its rear side, said shank being provided with laterally-turned attaching flanges on its rear edge and securing tongues on its lower end, said post member and said shank and said attaching flanges and tongues being formed integrally of sheet metal folded upon itself and turned laterally to form said attaching flanges, one of said cover members being provided with slots through which said tongues are arranged, its back member being provided with oppositely-facing flange-engaging tongues.

3. In a binder, the combination with the cover members having telescoping back members thereon, of an outer post member having a flat supporting shank on its rear side, said shank being provided with laterally-turned attaching flanges on its rear edge and securing tongues on its lower end, the parts forming the shank being secured together, one of said cover members being provided with slots through which said tongues are arranged, its back member being provided with oppositely-facing flange-engaging tongues; and an inner post member carried by the other cover member and provided with a clutch securing means.

4. In a binder, the combination with the cover members having telescoping back members thereon, of an outer post member having a flat supporting shank on its rear side, said shank being provided with laterally-turned attaching flanges on its rear edge and securing tongues on its lower end, one of said cover members being provided with slots through which said tongues are arranged, its back member being provided with oppositely-facing flange-engaging tongues.

5. In a binder, the combination with the cover members having telescoping back members thereon, of a hollow post, having a flat supporting shank on its rear side secured to one of said back members, said post and shank being formed integrally of sheet metal folded upon itself, the parts forming the shanks being secured together; and a post carried by the other cover member, adapted to telescope within said hollow post, and provided with clamping means.

6. In a binder, the combination of the cover member having a back member thereon; a post member having a flat supporting shank on its rear side, said shank being provided with laterally-turned attaching flanges on its rear edge and securing tongues on its lower end, said cover member being provided with a slot through which said tongues are arranged, and its said back member with flange-engaging tongues; and a cover member having a coacting post member thereon.

7. In a binder, the combination of a post having a flat shank on its rear side, said shank being provided with laterally turned attaching flanges on its rear edge and tongues on its lower end, said post shank and tongues being formed integrally of a piece of sheet metal folded upon itself, and turned laterally to form said attaching flanges; an angled cover member formed of a single piece of sheet metal, one arm of said cover member being provided with oppositely-facing flange-engaging tongues, and the other with a slot through which said tongues on said shank are arranged; and a cover member having a coacting post member thereon.

8. In a binder, the combination of a binding post having a flat shank on its rear side,

said shank being provided with laterally-turned attaching flanges on its rear edge, said post shank and tongues being formed integrally of a piece of sheet metal folded upon itself, and turned laterally to form said attaching flanges; an angled cover member formed of a single piece of sheet metal, one arm of said cover member being provided with flange-engaging tongues, and the other with a slot through which said tongues on said shank are arranged; and a cover member having a coacting post member thereon.

9. In a binder, the combination with the cover members, of an outer post member having a flat attaching shank on its rear side secured to one of said cover members, said post and shank being formed integrally of sheet metal folded upon itself, there being a piece having an inclined inner edge secured between the parts forming said shank and co-acting therewith to provide a groove having an inclined bottom; an inner tubular post member carried by the other cover member and adapted to telescope within said outer post, said inner post member having a slot-like opening therein; means for adjustably securing said post members comprising an engaging member arranged to project through said opening in said inner post member into said groove in said outer post member, the ends of said opening in said inner post member being adapted to limit the movement of said engaging member relative to said inner post member; a rod-like actuating member adjustably arranged in said inner post member having a seat therein for said engaging member, said seat being groove-like and having curved ends; and a finger piece for said actuating member having threaded engagement therewith, whereby said actuating member may be longitudinally adjusted to actuate said engaging member.

10. In a binder, the combination with the cover members, of an outer post member having a flat attaching shank on its rear side secured to one of said cover members, said post and shank being formed integrally of sheet metal folded upon itself, there being a piece having an inclined inner edge secured between the parts forming said shank and co-acting therewith to provide a groove having an inclined bottom; an inner tubular post member carried by the other cover member and adapted to telescope within said outer post, said inner post member having a slot-like opening therein; means for adjustably securing said post members comprising an engaging member arranged to project through said opening in said inner post member into said groove in said outer post member, the ends of said opening in said inner post member being adapted to limit the movement of said engaging member rela-

tive to said inner post member; and a rod-like actuating member adjustably arranged in said inner post member having a seat therein for said engaging member, said seat being groove-like and having curved ends.

11. In a binder, the combination with the cover members, of an outer post member having a flat attaching shank on its rear side secured to one of said cover members, said post and shank being formed integrally of sheet metal folded upon itself, there being a piece secured between the parts forming said shank and co-acting therewith to provide a groove; an inner tubular post member carried by the other cover member and adapted to telescope within said outer post, said inner post member having an opening therein; means for adjustably securing said post members, comprising an engaging member arranged to project through said opening in said inner post member into said groove in said outer post member; an actuating member adjustably arranged in said inner post member having a seat therein for said engaging member; and a finger piece for said actuating member having threaded engagement therewith, whereby said actuating member may be longitudinally adjusted to actuate said engaging member.

12. In a binder, the combination with the cover members, of an outer post member having a flat attaching shank on its rear side secured to one of said cover members, said post and shank being formed integrally of sheet metal folded upon itself, there being a piece secured between the parts forming said shank and co-acting therewith to provide a groove; an inner tubular post member carried by the other cover member and adapted to telescope within said outer post, said inner post member having an opening therein; means for adjustably securing said post members, comprising an engaging member arranged to project through said opening in said inner post member into said groove in said outer post member; and an actuating member adjustably arranged in said inner post member having a seat therein for said engaging member.

13. In a binder, the combination of an outer post member; an inner tubular post member adapted to telescope within said outer post member, said inner post member having a slot-like opening therein; means for adjustably securing said post members, comprising an engaging member arranged to project through said opening in said inner post member, said outer post member being provided with a longitudinal groove having an inclined bottom adapted to receive said engaging member, the ends of said opening in said inner post member being adapted to limit the movement of said engaging member relative to said inner post member; a

- rod-like actuating member adjustably arranged in said inner post member having a seat therein for said engaging member, said seat being groove-like and having curved ends; and a finger piece for said actuating member having threaded engagement therewith, whereby said actuating member may be longitudinally adjusted to actuate said engaging member.
14. In a binder, the combination of an outer post member; an inner tubular post member adapted to telescope within said outer post member, said inner post member having a slot-like opening therein; means for adjustably securing said post members, comprising an engaging member arranged to project through said opening in said inner post member, said outer post member being provided with a longitudinal groove having an inclined bottom adapted to receive said engaging member, the ends of said opening in said inner post member being adapted to limit the movement of said engaging member relative to said inner post member; and a rod-like actuating member adjustably arranged in said inner post member having a seat therein for said engaging member, said seat being groove-like and having curved ends.
15. In a binder, the combination of an outer post member; an inner tubular post member adapted to telescope within said outer post member, said inner post member having an opening therein; means for adjustably securing said post members, comprising an engaging member arranged to project through said opening in said inner post member, said outer post member being provided with a longitudinal groove adapted to receive said engaging member; an actuating member adjustably arranged in said inner post member having a seat therein for said engaging member; and a finger piece for said actuating member having threaded engagement therewith, whereby said actuating member may be longitudinally adjusted to actuate said engaging member.
16. In a binder, the combination of an outer post member; an inner tubular post member adapted to telescope within said outer post member, said inner post member having an opening therein; means for adjustably securing said post members, comprising an engaging member arranged to project through said opening in said inner post member, said outer post member being provided with a longitudinal groove having an inclined bottom adapted to receive said engaging member; and an actuating member adjustably arranged in said inner post member having a seat therein for said engaging member.

17. In a binder, the combination with an outer post member, a tubular inner post member; and means for adjustably securing said post members together comprising an engaging member, an actuating member arranged to be longitudinally adjusted in said inner post member and having a seat therein in which said engaging member is arranged, said seat being provided with a cam arranged to act on the end of said engaging member whereby it is rocked in the said seat, the longitudinal movement of said engaging member relative to said inner post member being limited.

18. In a binder, the combination with an outer post member, an inner post member arranged to telescope within said outer post member; and means for adjustably securing said post members together comprising an engaging member arranged to project from said inner post member, and an actuating member slidably associated with said inner post member and provided with a cam arranged to act on the end of said engaging member whereby it is rocked in the said seat.

19. In a binder, the combination with an outer post member; an inner post member arranged to telescope within said outer post member; and means for adjustably securing said post members together, comprising an engaging member arranged to project from said inner post member, and an actuating member slidably associated with said inner post member and provided with a slot in which said engaging member is seated, the ends of said slot being cam surfaces adapted to act upon the ends of said engaging member upon the longitudinal adjustment of said actuating member whereby said engaging member is positively actuated to engage and disengage the same.

20. In a binder, the combination with an outer post member; an inner post member arranged to telescope within said outer post member; and means for adjustably securing said post members together, comprising an engaging member arranged to project from said inner post member, and an actuating member slidably associated with said inner post member and provided with a slot in which said engaging member is seated, the ends of said slot being cam surfaces adapted to act upon the ends of said engaging member upon the longitudinal adjustment of said actuating member.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

CYRUS E. MOREHOUSE. [L. s.]

Witnesses:

NATHAN GLICKSMAN,
CHAS. BURMANN.