

No. 782,824.

PATENTED FEB. 21, 1905.

H. R. BUNTE.

BINDER.

APPLICATION FILED APR. 27, 1904.

2 SHEETS—SHEET 1.

FIG. 1

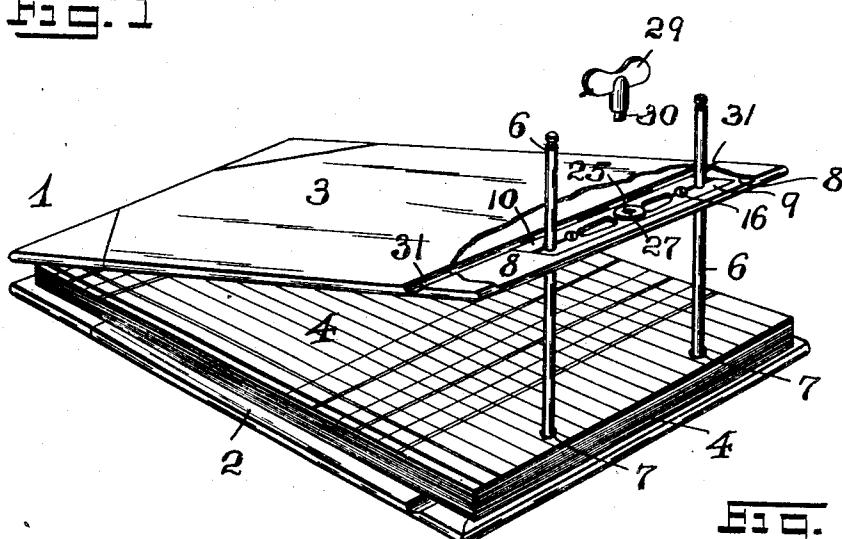
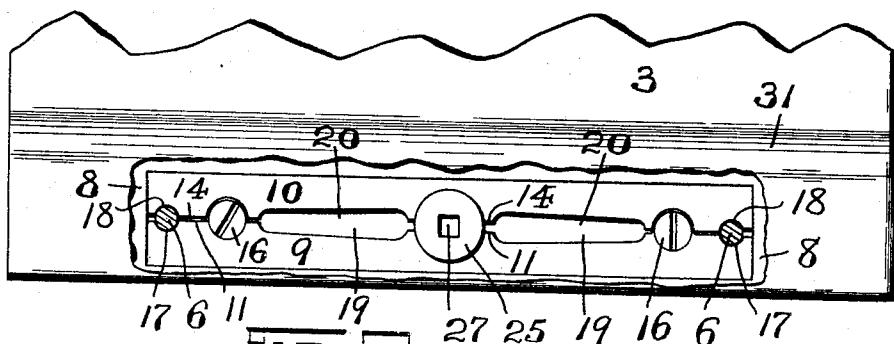
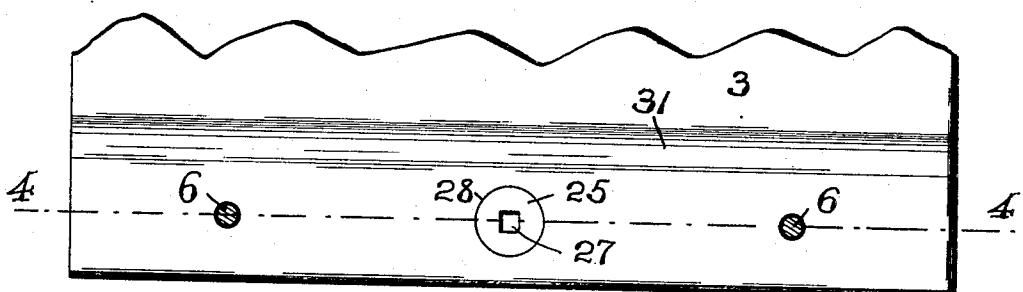


FIG. 2



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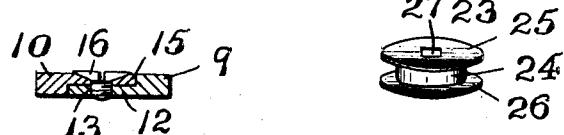
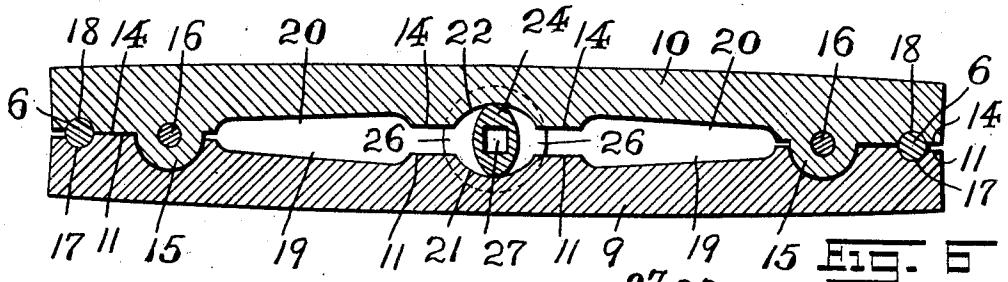
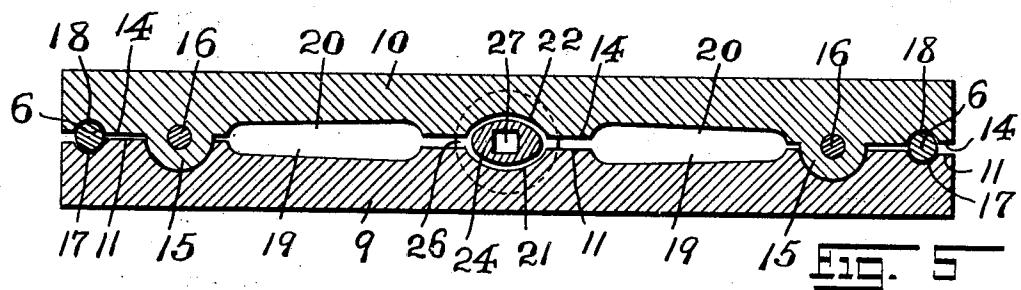
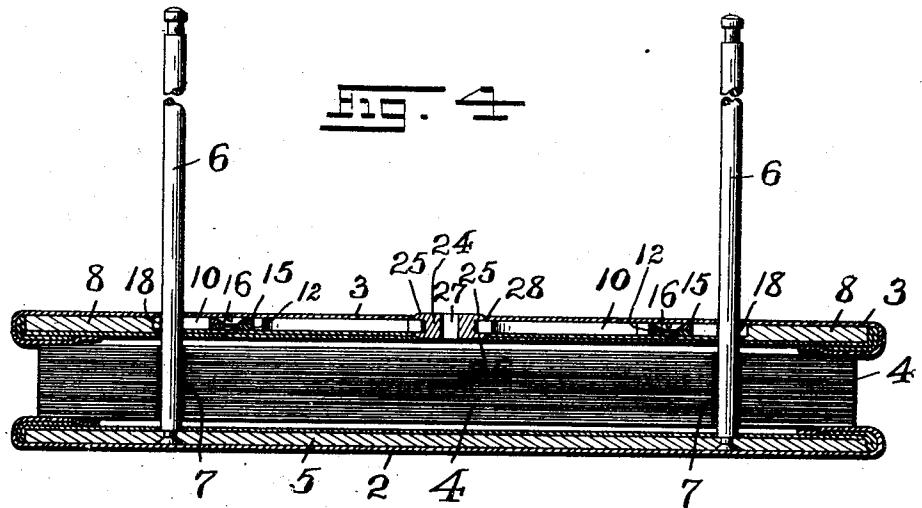
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2 SHEETS—SHEET 2.



**WITNESSES:**

Geo. D. Richards  
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## UNITED STATES PATENT OFFICE.

HAROLD R. BUNTER, OF MONTCLAIR, NEW JERSEY.

## BINDER.

## SPECIFICATION forming part of Letters Patent No. 782,824, dated February 21, 1905.

Application filed April 27, 1904. Serial No. 205,063.

*To all whom it may concern:*

Be it known that I, HAROLD R. BUNTER, a citizen of the United States, residing at Montclair, in the county of Essex and State of New

5 Jersey, have invented certain new and useful Improvements in Binders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it applies to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

The present invention has reference generally to improvements in binders; and the invention relates more particularly to a novel construction and form of transfer-ledger and two-post binder comprising a pair of separable cover-sections, one of which is provided 10 with a pair of posts and the other cover-section having a locking or holding means slidably connected with the said posts whereby the two cover-sections may be adjustably as well as detachably connected and a number 15 of leaves or blank forms arranged between the said cover sections or members.

The invention has for its principal object to provide a simply-constructed and readily-manipulated mechanism connected with a pair 20 of cover sections or members which may be separated to arrange a number of leaves or blanks between them, the said cover sections or members being adapted to be positively held in their adjusted positions on either side 25 of the said leaves or blanks, one of the cover members being capable of being separably locked in its adjusted position upon the posts which are connected with the other of said cover sections or members.

30 Other objects of this invention not at this time more especially enumerated will appear from the following detailed description of the same.

With the various objects of my invention 35 in view it consists in a transfer-ledger and two-post binder of the character hereinafter set forth; and the invention consists, furthermore, in the arrangements and combinations of the devices and their parts, all of which 40 are fully described in the following specifica-

tion and then finally embodied in the clauses of the claim, which are appended to and which form an essential part of the said specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a transfer-ledger and two-post binder, one of the cover sections or members being shown in its raised position and a portion of the said cover section or member being represented as broken away to show the holding or locking mechanism embodying the principal features of my present invention. Fig. 2 is a top or plan view of one end of the upper cover-section of the transfer-ledger or two-post binder, the posts being represented in cross-section; and Fig. 3 is a similar view of the same cover-section with the upper cover section or member represented as being partly broken away to show the holding or locking device which is contained in the same. Fig. 4 is a vertical sectional representation of the binder, the said section being taken on line 4-4 in said Fig. 2. Figs. 5 and 6 are horizontal representations of the holding or locking mechanism, on an enlarged scale, and illustrating the movable parts of said mechanism in their normally disengaged and engaged or holding relations, respectively, with the posts. Fig. 7 is a transverse vertical section through one of the hinged or pivotal connections of the movable parts of the said locking or holding mechanism, and Fig. 8 is a perspective view of the cam-shaped spreading device arranged between the said movable parts of said locking or holding mechanism.

Similar characters of reference are employed in the said above-described views to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference character 1 indicates the complete transfer-ledger and two-post binder, the same comprising a back or bottom cover section or member 2 and an upper cover section or member 3, between which a suitable number of leaves or blanks, as 4, are to be arranged and clamped in the manner to be presently described.

The bottom cover section or member 2, as

will be seen from an inspection of Fig. 4 of the drawings, has suitably arranged within and near one of its edges a plate 5, preferably of metal, to which are suitably secured a pair 5 of vertically-projecting rods or posts 6, the said rods or posts extending through and above the upper face of the said cover section or member 2, as clearly illustrated, and upon which the various sheets or blanks 4, when 10 provided with suitably-disposed holes or perforations 7, can be arranged in the manner represented in Figs. 1 and 4 of the drawings.

The upper cover section or member 3, as will be seen from an inspection of the several 15 figures of the drawings, has arranged within its interior portion 8, made of cardboard or other suitable material and at or near one of its edges corresponding to the edge of the lower cover section or member 2, which is 20 provided with the plate 5, a suitable holding or locking mechanism which is slidably and removably arranged over the said rods or posts 6, and can be brought in locked or holding engagement with the said rods or posts. This 25 locking or holding device consists, essentially, of a pair of plate-like members or bars 9 and 10, the member 9 being made at suitable points along its marginal edge 11 with a pair of ears or lugs 12, each ear or lug being provided with 30 a screw-hole 13 and the member 10 being made at suitable points along its marginal edge 14 with a pair of perforated ears or lugs 15, which are arranged in such a manner that they may be made to register with the ears or lugs 12, 35 as indicated in Fig. 7 of the drawings. Suitable screws 16 are passed through the perforations in the ears or lugs 15 and screwed into the screw-holes 13 of the ears or lugs 12, as shown in said Fig. 7, and in this manner the 40 two plate-like members 9 and 10 are operatively connected with each other, as will be clearly evident. The plate-like member 9 is also provided in its edge 11 with a pair of semicircular or other suitably-shaped open or 45 cut-away portions 17, and located directly opposite these portions 18 in the edge 14 of the plate-like member 10 are other semicircular or other suitably-shaped open or cut-away portions 18. To reduce the weight of the said 50 plate-like members 9 and 10, other cut-away portions 19 and 20 may be formed in the respective members 9 and 10, as shown. The said plate-like member 9 is also made with a centrally-disposed open or cut-away portion 55 21, preferably mounted by an arc forming part of an ellipse, and the said plate-like member 10 is made with a similarly-disposed and similarly-shaped open or cut-away portion 22, as clearly illustrated in Figs. 5 and 6 of the drawings. Rotatably arranged in these open or cut-away portions 21 and 22 of the said plate-like members 9 and 10 is a spreader or actuating device 23, (see Fig. 8,) the same comprising an elliptically-formed 60 body 24, bounded by the circular or other suit-

ably-shaped flanges 25 and 26 and provided with a squared or other suitably-shaped key-receiving opening 27. When the said spreader or actuating device 24 and the members 9 and 10 are arranged in their operatively-assembled 70 relation, the said flanges 25 and 26 are located against the outer faces of the connected members 9 and 10, and the spreader or actuating device is thereby retained in its operative and rotatable relation between the two plates 9 and 10, as clearly illustrated in Figs. 4, 5, and 6, with the upper flange 25 extending into a suitable opening 28 in the upper cover section or member 3 and being flush or approximately 75 flush, with the upper and outer face of said 80 cover section or member 3.

Having thus set forth the general constructions and arrangements of the various parts of the transfer-ledger and two-post binder, I will now briefly set forth the manner of operating the said parts whereby the upper cover section or member 3 can be removed from or secured in its adjusted and locked arrangement upon the two rods or posts 6. To remove or place any number of sheets or blanks 4 between the said cover sections or members 2 and 3, the spreader or actuating device 23 is turned, by means of a suitable key 29, (see Fig. 1, the said key being provided with a shank 30 to be inserted in the receiving-opening 27 of the device 23,) into the position indicated in Fig. 5 of the drawings. The plate-like members 9 and 10 are thus brought into their normal initial and inactive positions, which permits of a free movement of the upper cover section or member 3 upon the rods or posts 6, and hence its removal from said rods or posts to take from or to place in the binder one or more sheets or blanks 4 upon the said rods or posts 6, as will be clearly 90 evident. After the said upper cover section or member is again arranged over the posts 6 and firmly rests upon the previously-filed sheets or blanks 4 the spreader or actuating device 23 is turned, by means of the key 29, 95 into the position indicated in Fig. 6 of the drawings. The cam or elliptically-shaped surfaces of the body 24 of the said spreader are forcibly brought in engagement with the surfaces of the cut-away or open portions 21 and 100 22 of the respective members 9 and 10. This action will cause the said members 9 and 10 to become sufficiently spread at their center 105 portions so that the cut-away or open portions 17 and 18 at their end portions will be brought 110 in close and positively binding or locked engagement with the opposite surfaces of the respective rods or posts 6, and the cover section or member 3 being made with a reduced 115 and flexible portion 31 the binder can be used 120 in the manner of a book by turning up the cover section or member 3 whenever it is desired to inspect the sheets or blanks 4 without having to remove them from the posts or 125 rods 6.

From the foregoing description of my invention it will be seen that I have produced a simply-constructed transfer-ledger and two-post binder the parts of which can be readily assembled and when in their assembled relation are not liable to disarrangement when carelessly manipulated.

I am aware that changes may be made in the various arrangements and combinations of the devices, as well as in the details of construction of their parts, without departing from the scope of the present invention. Hence I do not limit this invention to the exact arrangements and combinations of the devices and parts as set forth in the foregoing specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of the said parts.

Having thus described my invention, what I claim is—

1. A binder comprising a pair of separable cover-sections, one of said cover-sections being provided with posts, a locking or holding mechanism connected with the other cover-section, comprising a pair of spreader-plates having oppositely-arranged holding portions in slidable engagement with said posts, and means arranged between the said spreader-plates for spreading them at their middle and bringing said holding portions closer together and in binding engagement with the said posts, substantially as and for the purposes set forth.

2. A binder comprising a pair of separable cover-sections, one of said cover-sections being provided with posts, a locking or holding mechanism connected with the other cover-section, comprising a pair of spreader-plates having oppositely-arranged holding portions in slidable engagement with said posts, and a spreader having a cam-shaped body rotatably arranged between the said spreader-plates for spreading them at their middle and bringing said holding portions closer together and in binding engagement with the said posts, substantially as and for the purposes set forth.

3. A binder comprising a pair of separable cover-sections, one of said cover-sections being provided with posts, a locking or holding mechanism connected with the other cover-section, comprising a pair of spreader-plates having oppositely-arranged holding portions in slidable engagement with said posts, a spreader having a cam-shaped body rotatably arranged between the said spreader-plates, and a pair of flanges connected with said body and arranged on opposite sides of said spreader-plates, all for spreading said plates at their middle and bringing said holding portions closer together and in holding engagement with the said posts, substantially as and for the purposes set forth.

4. A binder comprising a pair of separable cover-sections, one of said cover-sections being provided with posts, a locking mechanism

connected with the other cover-section, comprising a pair of spreader-plates having oppositely-arranged holding portions in slidable engagement with said posts, perforated ears or lugs connected with the said spreader-plates, the ears or lugs on the one plate registering with the ears or lugs of the other plate, means for securing the said lugs or ears together, and means arranged between the said spreader-plates for spreading them at their middle and bringing the said holding portions closer together and in holding engagement with said posts, substantially as and for the purposes set forth.

5. A binder comprising a pair of separable cover-sections, one of said cover-sections being provided with posts, a locking mechanism connected with the other cover-section, comprising a pair of spreader-plates having oppositely-arranged holding portions in slidable engagement with said posts, perforated ears or lugs connected with the said spreader-plates, the ears or lugs on the one plate registering with the ears or lugs of the other plate, means for securing the said lugs or ears together, and a spreader having a cam-shaped body rotatably arranged between the said spreader-plates for spreading them at their middle and bringing said holding portions closer together and in binding engagement with the said posts, substantially as and for the purposes set forth.

6. A binder comprising a pair of separable cover-sections, one of said cover-sections being provided with posts, a locking mechanism connected with the other cover-section, comprising a pair of spreader-plates having oppositely-placed holding portions in slidable engagement with said posts, perforated ears or lugs connected with the said spreader-plates, the ears or lugs on the one plate registering with the ears or lugs of the other plate, means for securing said lugs together, a spreader having a cam-shaped body rotatably arranged between the said spreader-plates, and a pair of flanges connected with said body and arranged on opposite sides of said spreader-plates, all for spreading said plates at their middle and bringing said holding portions closer together and in holding engagement with the said posts, substantially as and for the purposes set forth.

7. In a binder, the combination, with a pair of cover-sections, one of said cover-sections being provided with posts, of a locking mechanism connected with the other cover-section, comprising a pair of spreader-plates having their inner and oppositely-placed marginal edges provided with elliptically-shaped open or cut-away portions, and an elliptically-shaped spreader rotatably arranged between the said open or cut-away portions for spreading said plates at their middle and bringing other portions of said plates in holding engagement with said posts, substantially as and for the purposes set forth.

8. In a binder, the combination, with a pair of cover-sections, one of said cover-sections being provided with posts, of a locking mechanism connected with the other cover-section, comprising a pair of spreader-plates having their inner and oppositely-placed marginal edges provided with elliptically-shaped open or cut-away portions, an elliptically-shaped spreader rotatably arranged between the said open or cut-away portions for spreading said plates at their middle and bringing other portions of said plates in holding engagement with said posts, and a pair of flanges connected with the body of said spreader arranged on opposite sides of said spreader-plates to prevent displacement of the said spreader, substantially as and for the purposes set forth.

9. In a binder, the combination, with a pair of cover-sections, one of said cover-sections being provided with posts, of a locking mechanism connected with the other cover-section, comprising a pair of spreader-plates having their inner and oppositely-placed marginal edges provided with elliptically-shaped open or cut-away portions, ears or lugs extending from the said marginal edges, said ears or lugs being provided with perforations and the ears or lugs on the one spreader-plate registering with the ears or lugs on the other spreader-plate, means for securing the said ears or lugs together, and an elliptically-shaped spreader rotatably arranged between the said open or cut-away portions of said spreader-plates for spreading them at their middle and bringing other portions of said plates in holding engagement with said posts, substantially as and for the purposes set forth.

10. In a binder, the combination, with a pair of cover-sections, one of said cover-sections being provided with posts, of a locking mechanism connected with the other cover-section, comprising a pair of spreader-plates having their inner and oppositely-placed marginal edges provided with elliptically-shaped open or cut-away portions, perforated ears or lugs extending from the said marginal edges, said ears or lugs on the one spreader-plate registering with the ears or lugs on the other spreader-plate, means for securing the said ears or lugs together, an elliptically-shaped spreader rotatably arranged between the open or cut-away portions of said spreader-plates for spreading them at their middle and bringing other portions of said plates in holding engagement with said posts, and a pair of flanges connected with the body of said spreader arranged on opposite sides of said spreader-plates to prevent displacement of the said spreader, substantially as and for the purposes set forth.

11. A locking attachment for binders comprising a pair of spreader-plates provided with holding portions, one longitudinal marginal edge of one of said plates lying opposite one

of the longitudinal marginal edges of the other plate, perforated lugs or ears extending from the said oppositely-placed marginal edges of said plates, the ears or lugs of one plate registering with the ears or lugs of the other plate, means for securing the said ears together, and a rotatable spreader arranged between the said oppositely-located marginal edges of said plates for spreading said plates at their middle and bringing their holding portions closer together, substantially as and for the purposes set forth.

12. A locking attachment for binders comprising a pair of spreader-plates provided with holding portions, one longitudinal marginal edge of one of said plates lying opposite one of the longitudinal marginal edges of the other plate, perforated lugs or ears extending from the said oppositely-placed marginal edges of said plates, the ears or lugs of one plate registering with the ears or lugs of the other plate, means for securing said ears together, a rotatable spreader arranged between the said oppositely-located marginal edges of said plates for spreading said plates at their middle and bringing their holding portions closer together, and marginal flanges connected with the body of said spreader arranged on opposite sides of said plates to prevent displacement of said spreader, substantially as and for the purposes set forth.

13. A locking attachment for binders comprising a pair of spreader-plates provided with holding portions, one longitudinal marginal edge of one of said plates lying opposite one of the longitudinal marginal edges of the other plate, perforated lugs or ears extending from the said oppositely-placed marginal edges of said plates, the ears or lugs of one plate registering with the ears or lugs of the other plate, means for securing the said ears together, the said plates being provided in their oppositely-located marginal edges with elliptically-shaped open or cut-away portions, and an elliptically-shaped spreader rotatably arranged between the said open or cut-away portions for spreading said plates at their middle and bringing their holding portions closer together, substantially as and for the purposes set forth.

14. A locking attachment for binders comprising a pair of spreader-plates provided with holding portions, one longitudinal marginal edge of one of said plates lying opposite one of the longitudinal marginal edges of the other plate, perforated lugs or ears extending from the said oppositely-placed marginal edges of said plates, the ears or lugs of one plate registering with the ears or lugs of the other plate, means for securing the said ears together, the said plates being provided in their oppositely-located marginal edges with elliptically-shaped open or cut-away portions, an elliptically-shaped spreader rotatably arranged between the said open or cut-away portions for

spreading said plates at their middle and bringing their holding portions closer together, and marginal flanges connected with the body of said spreader arranged on opposite sides of  
5 said plates to prevent displacement of said spreader, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 20th day of April, 1904.

HAROLD R. BUNTEM.

Witnesses:

FREDK. C. FRAENTZEL,  
GEO. D. RICHARDS.