

C. H. HOYT.
BOOKBINDER.

APPLICATION FILED NOV. 3, 1909.

Patented Dec. 6, 1910.

3 SHEETS—SHEET 1.

977,873

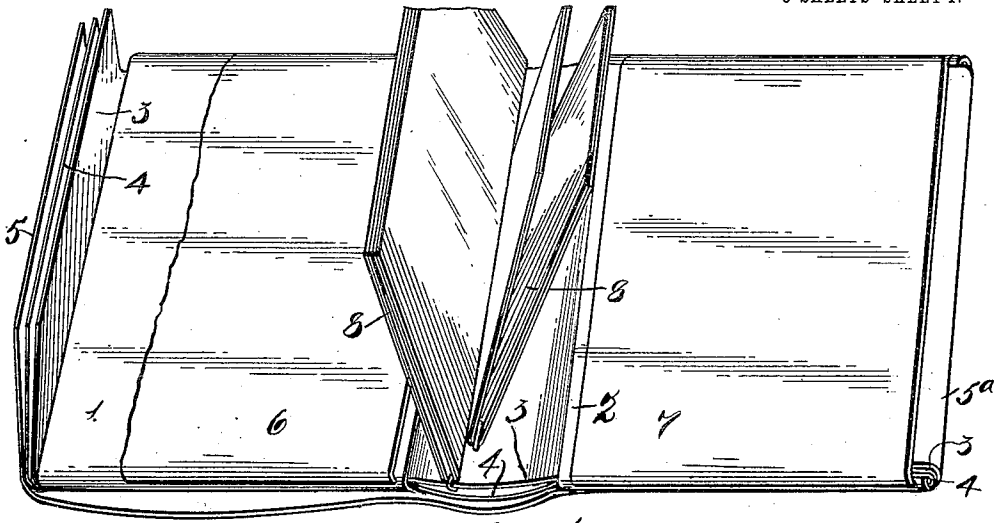


Fig. 1

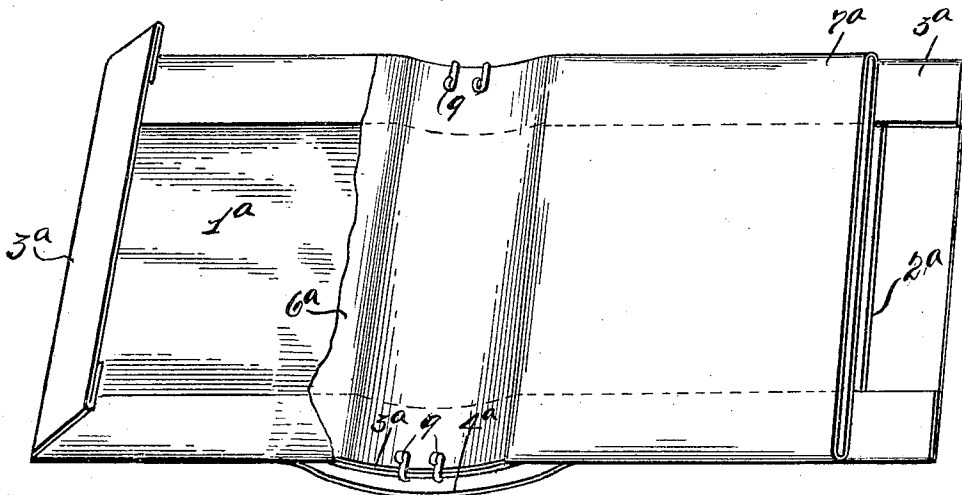


Fig. 2

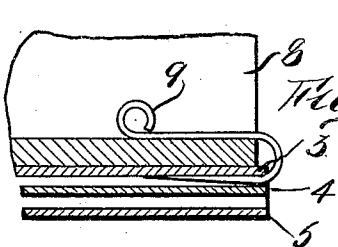


Fig. 11.

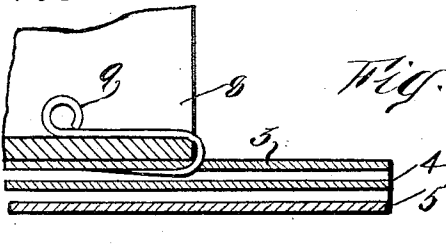


Fig. 12.

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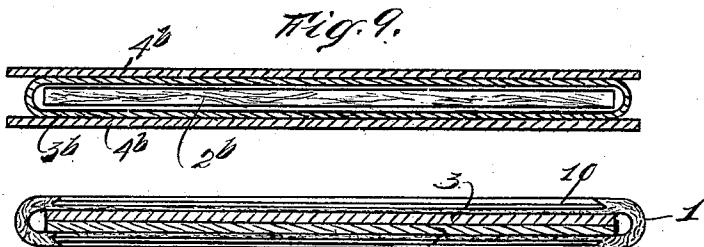
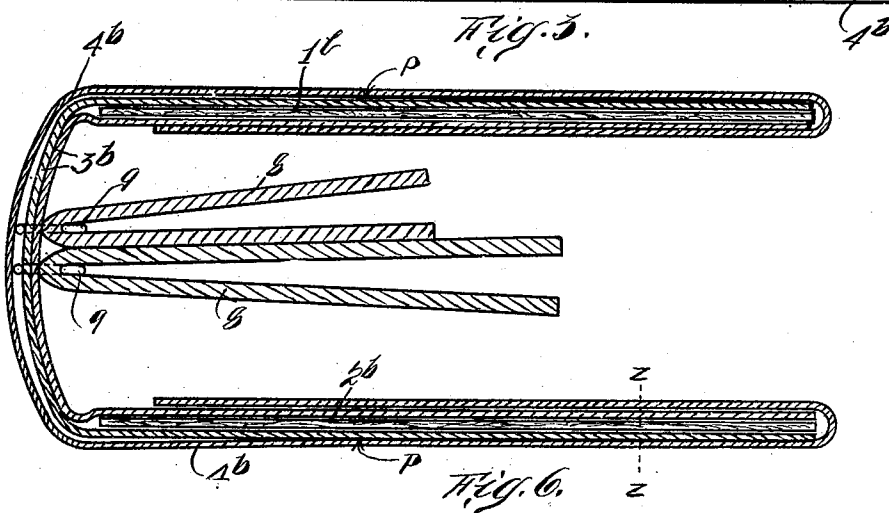
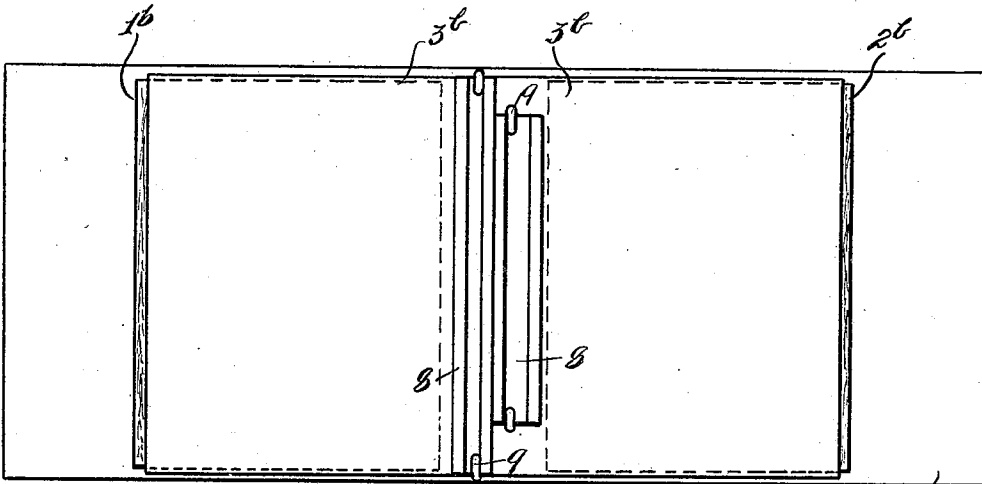


Fig. 10.

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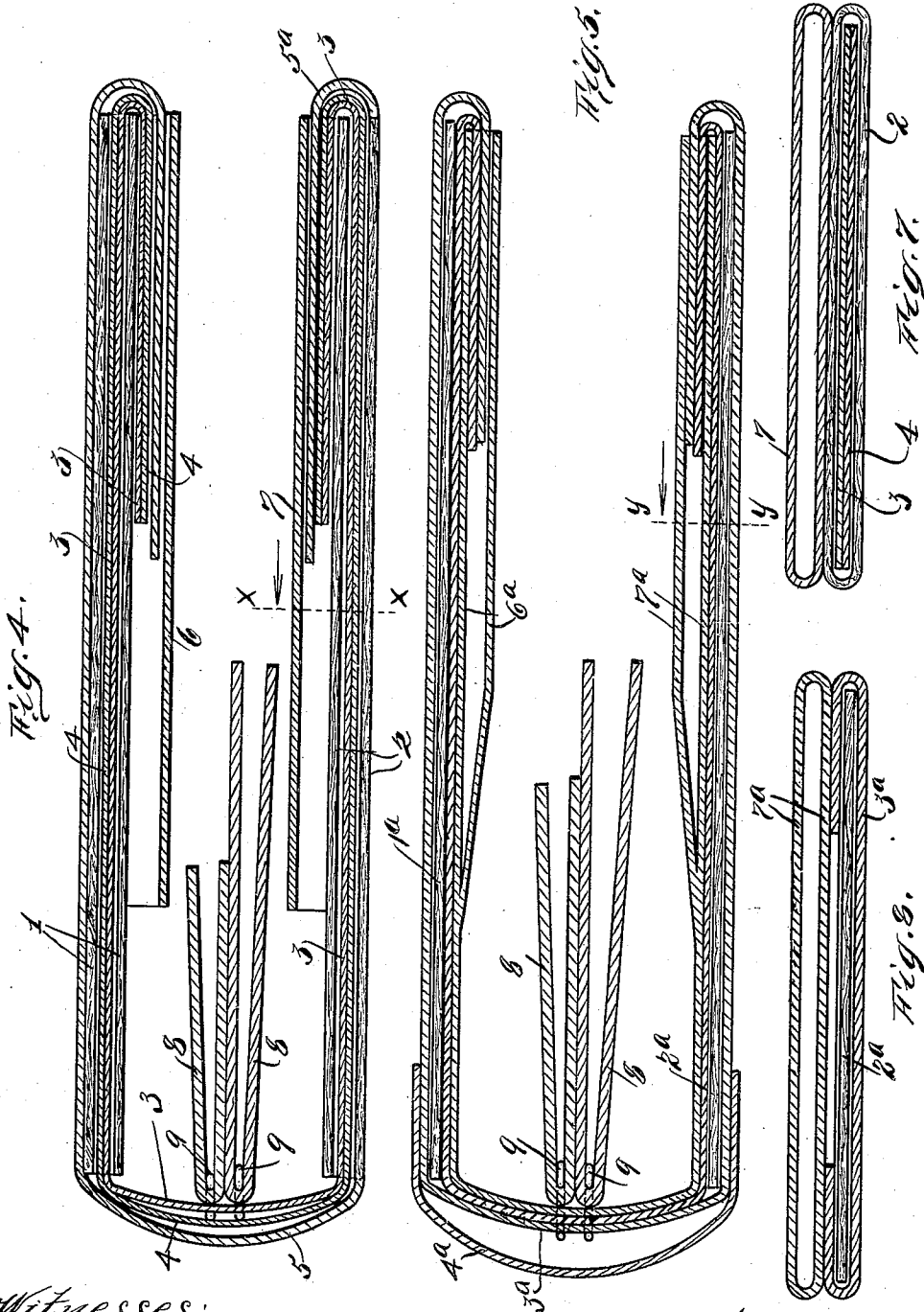
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UNITED STATES PATENT OFFICE.

CHARLES HERBERT HOYT, OF NEW YORK, N. Y.

BOOKBINDER.

977,873.

Specification of Letters Patent.

Patented Dec. 6, 1910.

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To all whom it may concern:

Be it known that I, CHARLES HERBERT HOYT, a citizen of the United States, residing at New York city, New York, have invented certain new and useful Improvements in Bookbinders, of which the following is a clear, full, and exact description.

My invention relates to an extensible or adjustable bookbinder, and one particularly adapted for binding up different numbers and different sizes of pamphlets, tracts, and the like, while still preserving the neat appearance of a permanently bound book. I have accomplished this result preferably by arranging a flexible back member adapted to support the pamphlets or leaves to be bound together, along with comparatively stiff slidable side covers. In one preferred form these side covers are constructed in the form of a sleeve through which the flexible supporting back member is adapted to extend, and in other forms the side cover consists of a solid tongue portion around which the flexible supporting portion is folded. In either case it is obvious that the side covers may be moved apart or brought together in order to extend or contract the intermediate flexible portion upon which the pamphlets are to be secured. It is also obvious that it is not necessary to make both of the side covers freely slidable, since one may be permanently fixed to the flexible portion to form one side of the binder, while the other alone may be slidable to provide the necessary adjustment. I have also shown various preferred devices for concealing the adjustable features of the binder in order that it may resemble in appearance more closely that of a permanent binder. I also preferably employ detachable clip means for securing the leaflets or pamphlets to the flexible member, and by this means I am enabled to secure the pamphlets to the binding without in any way mutilating or changing the construction of the same, since they are secured by their upper and lower edges to the back member of the binding, rather than by being pierced by holes for the insertion of transverse cords, or by being sewed to the binder, which has been the common practice heretofore.

My invention will be described in detail in the following specification, in which like reference characters refer to like parts, and the scope of my invention will be more particularly defined in the appended claims.

In the drawings, Figure 1 is a perspective view of one modification with a portion of one pocket cut away; Fig. 2 is a perspective view of another modification with a portion cut away and leaves removed; Fig. 3 is a plan of still another modification; Fig. 4 is a cross section of the modification shown in Fig. 1; Fig. 5 is a cross section of the modification shown in Fig. 2; Fig. 6 is a cross section of the modification shown in Fig. 3; Fig. 7 is a section along X—X of Fig. 4 looking in the direction of the arrow; Fig. 8 is a section along Y—Y of Fig. 5 looking in the direction of the arrow; Fig. 9 is a section along Z—Z of Fig. 6 looking in the direction of the arrow; Fig. 10 is a section along one end of a sleeve member showing a spring therein for holding said end closed; Fig. 11 is a fragmentary section through a pamphlet of attached leaves and back supporting member; and Fig. 12 is a view similar to Fig. 10 showing a pamphlet of less width than the binder and its mode of attachment.

Referring to Figs. 1 and 4 which disclose a preferred form of the modification, 1 and 2 indicate the comparatively stiff covers which are in this case made in the form of a sleeve. For the purpose of illustration alone, I have shown the comparatively stiff side covers as being of wood in order that the flexible and non-flexible portions of my binder will appear more in contrast on the drawings. By this, however, I do not propose to limit my invention to the use of any particular material since the different parts may be made with any preferred material. The flexible supporting back member 3 extends at each side of its central portion through the sleeve-like side covers, and is preferably long enough to fold inwardly over the outer edges of said side covers in order to lock the adjustable side covers in position. Pockets 6 and 7 arranged on the inside of covers 1 and 2, respectively, are preferably provided to receive the folded-over portion of the flexible supporting back member 3. Upon this back member 3 the leaflets or pamphlets 8 are designed to be secured, as shown in Figs. 1 and 2. This is done preferably by means of open-ended spring clips 9, which, in some cases, straddle the outer edge of the back member and the outer edge of the bight portion of the pamphlet, and thus firmly secure the pamphlet along the edge of the back member. It is to be under-

stood that these detachable clips are provided at both the upper and lower edges of the supporting back member. In case the pamphlet to be bound is not of the same width as the back member, I have constructed a clip 9 with a sharp point adapted to pierce the body of the back member, as shown more clearly in Fig. 12.

In order to cover up the ends of the clips 9 which show on the outside of the supporting back member, I have provided a back cover member 4 as shown in Figs. 1 and 4. In this illustration I have shown the back cover member 4 in practically the same length as the supporting back member 3, and lying contiguous thereto throughout its length so as to fold over the outer end of sleeves 1 and 2 and be inserted in the pockets 6 and 7, but it may not be always necessary to make this back cover member 4 of such length, nor wholly separable from the supporting back member. It should, however, be separable from said back member for some distance along its central portion to which the pamphlets are secured, but may be fixed to the sides of the supporting back members within the sleeves, after this desired width is provided. It is obvious that the parts 4 and 3 should be separable for the width to which it is desirable to expand the binder.

One preferred means for concealing the adjustable features of the binder shown in Figs. 1 and 4 consists in having a flexible portion 5 extending from the rear lower side of the sleeve member 2 across the back, as shown Fig. 4, along the outer side of sleeve member 1 and turned-over and inserted in pockets 6. A flexible portion 5^a also extends from the front lower side of sleeve member 2 and is inserted within pocket 7. Various other methods may obviously be employed for concealing these adjustable features, and I do not wish myself to be limited to the particular embodiment shown.

Fig. 10 shows in section a preferred form of sleeve member in which the extensions 5 and 5^a may be dispensed with. In this case a rear view of the binder would show the open ends of the sleeves 1 and 2 and the flexible members 3 and 4 issuing therefrom. In order to prevent the gapping of these open ends, which in this form are uncovered, I prefer to locate springs 10 within one or both of the adjacent sides of said sleeves to bring said sides closely together. These springs 10 may be mounted on the sleeve sides adjacent both the front and rear open ends of the same in any preferred manner to effect the object desired, and I have shown them as contained entirely within the sides so as to be concealed thereby.

Referring to the modified form shown in Figs. 2 and 5, 1^a and 2^a indicate the side

covers of this form which are preferably solid and in the form of a tongue. The flexible supporting back member 3^a is folded around these tongue members, as shown more clearly in Fig. 2. It is obvious that when it is desired to increase the size of the binder the inwardly turned flaps of 3^a shown at the left in Fig. 2, must be straightened out as shown at the right in said figure, to enable the side covers 1^a and 2^a to be moved apart when the flaps of 3^a are again folded over the edges thereof, as shown at the left in Fig. 2. Pockets 6^a and 7^a are preferably secured to the inside of the supporting back member at its central portion and being free from connection to the folded-in flaps of the back supporting member 3^a do not interfere therewith when they are unfolded to adjust the binder. The clips 9 straddle the back member 3^a at their upper and lower edges for securing pamphlets thereto in the same manner as described in the other modification, and to conceal the exposed ends of these clips I have preferably provided a back cover member 4^a which is separable from the supporting back member, except at its ends where it is secured thereto by means of glue or any other preferred method.

Referring to still another preferred form of my invention shown in Figs. 3, 6 and 9, the supporting back member 3^b consists preferably of a continuous flexible sleeve member. The side covers 1^b and 2^b in this case consist of comparatively stiff tongue members which are inserted in the opposite open ends of the sleeve member 3^b. The pamphlets or leaves 8 may be secured to the central flexible portion of the sleeve member 3^b, as shown, and it is obvious that the tongues 1^b and 2^b are slidable so that they may be moved apart to widen the interval between the same and the central portion of the flexible member 3^b for supporting more pamphlets when desired. It is also clear that the sleeve member need not necessarily be a continuous sleeve, but an equivalent construction would be that of having two sleeves connected together at one end to form oppositely-disposed pockets. In order to cover the exposed ends of the clips 9 as in the other modifications, I have shown a cover member 4^b, which consists of a long flexible member, covering the entire sides and back of the binder and extending around the front ends of the same as shown more clearly in Fig. 6. This cover member 4^b is preferably separable from the supporting back member 3^b at the central portion thereof so as to enable the clips 9 to straddle the edges of said member 3^b and still remain covered by the member 4^b. The cover member 4^b may be fixed to the supporting back member 3^b by glue or in any other suitable manner, at the points *p*, and from

this point out to the ends of the sleeve, if desired to make a more secure binder. The folded-in extensions of the cover member 4^b may be retained in their folded positions by suitable means, such as the pockets shown in the other modifications, if desired.

In the foregoing it will be seen that in my arrangement the side covers are not connected together by means of transverse cords or such devices, but are entirely free and may be independently adjustable. They may be secured in their adjusted position by means of the folded-over ends of the flexible supporting back member or by the pressure of the spring side of the sleeves. With this construction I am enabled to employ detachable clips for securing the pamphlets to the central portion of said back member, and although in the drawings I have shown a preferred form of such clip, various other detachable means may be equally well employed for securing the pamphlets thereto without mutilating the same, which is the result effected by my construction and comprehended within my invention.

What I claim is:

1. An extensible bookbinder comprising in combination, a flexible supporting back member having comparatively stiff side covers disposed adjacent thereto one at each side of its central portion, means for separating and adjusting said side covers apart to widen the intermediate portion of said flexible member, and pressure devices detachably carried by said flexible member for removably securing leaves thereto.

2. An extensible bookbinder comprising in combination, a flexible supporting back member having comparatively stiff side covers disposed adjacent thereto one at each side of its central portion, means for separating and adjusting said side covers apart to widen the intermediate portion of said flexible member, and means engaging the outer end of one of said side covers for locking the same in different positions of adjustment.

3. An extensible bookbinder comprising in combination, a flexible supporting back member having comparatively stiff side covers disposed adjacent thereto one at each side of its central portion, means for separating and adjusting said side covers apart to widen the intermediate portion of said flexible member, and open-ended clips carried by said flexible member adapted to engage leaves with a yielding pressure for removably securing the same thereto.

4. An extensible bookbinder comprising in combination, a flexible supporting back member, a flexible back cover member, comparatively stiff side covers therefor, one of said side covers arranged to slide relatively to said back cover and supporting back mem-

bers, and pressure devices detachably carried by said supporting back member for securing leaves thereto.

5. An extensible bookbinder comprising in combination, a flexible supporting back member, a flexible back cover member separable from said supporting back member for some distance along the upper and lower edges thereof, comparatively stiff side covers therefor one of said side covers arranged to slide relatively to said back cover and supporting back members, and pressure devices carried at the upper and lower free edges of said supporting back member for securing leaves thereto.

6. An extensible bookbinder comprising in combination, a flexible supporting back member, a flexible back cover member, comparatively stiff side covers therefor one of said side covers arranged to slide relatively to said back cover and supporting back members, and one of said flexible members extended to fold over the edge of said movable side and cover to thereby lock the same in different positions of adjustment.

7. An extensible bookbinder comprising in combination, a flexible supporting back member, a flexible back cover member, comparatively stiff side covers therefor one of said side covers arranged to slide relatively to said back cover and supporting back members, and one of said flexible members extended to fold over the outer edge of said movable side cover to thereby lock the same in different positions of adjustment, and means for retaining said portion in its folded over position.

8. An extensible bookbinder comprising in combination a flexible supporting back member, a comparatively stiff sliding sleeve member serving as a side cover and into which said flexible member is adapted to extend, pressure devices detachably carried by said flexible member for securing leaves thereto.

9. An extensible bookbinder comprising in combination a flexible supporting back member, a flexible back cover member, a comparatively stiff sliding sleeve member serving as a side cover and through which one of said flexible members is adapted to extend, and pressure devices detachably carried by said supporting back member for securing leaves thereto.

10. An extensible bookbinder comprising in combination a flexible supporting back member, a flexible back cover member, a comparatively stiff sliding sleeve member serving as a side cover and through which one of said flexible members is adapted to extend, said flexible member having an extension to fold over the outer edge of said sleeve member and thereby lock same in different positions of adjustment.

11. An extensible bookbinder comprising in combination a flexible supporting back

- member, a flexible back cover member, a comparatively stiff sliding sleeve member serving as a side cover and through which one of said flexible members is adapted to extend, and means detachably mounted on said supporting back member for securing leaves thereto, and means independent of said leaf-securing means to lock said sleeve member in different positions of adjustment.
12. An extensible bookbinder comprising in combination a flexible supporting back member, a flexible back cover member, a comparatively stiff sliding sleeve member serving as a side cover and through which one of said flexible members is adapted to extend, said flexible member having an extension to fold over the outer edge of said sleeve member and thereby lock same in different positions of adjustment, and means on the inner side of said sleeve member for retaining said folded-over extension down upon said cover.
13. An extensible bookbinder comprising in combination a flexible supporting back member, a flexible back cover member lying adjacent thereto but separable therefrom, oppositely disposed sliding sleeve members serving as side covers and through which said flexible members extend, the ends of said flexible members being adapted to fold over the outer edges of said sleeves and thereby lock the same in different positions of adjustment.
14. An extensible bookbinder comprising in combination a flexible supporting back member, a flexible back cover member lying adjacent thereto but separable therefrom, oppositely disposed sliding sleeve members serving as side covers and through which said flexible members extend, the ends of said flexible members being adapted to fold over the outer edges of said sleeves and thereby lock the same in different positions of adjustment, pockets formed on the inner side of said sleeve members into which said

folded-over portions of the flexible members are adapted to be inserted.

15. An extensible bookbinder comprising in combination a flexible supporting back member, a flexible back cover member lying adjacent thereto but separable therefrom, oppositely disposed sliding sleeve members serving as side covers and through which said flexible members extend, the ends of said flexible members being adapted to fold over the outer edges of said sleeves and thereby lock the same in different positions of adjustment, and detachable clips mounted on said supporting back member for securing leaves thereto.

16. An extensible bookbinder comprising in combination, a flexible supporting back member, a comparatively stiff sliding sleeve member serving as a side cover and into which the said flexible member is adapted to extend, and spring means arranged with said sleeve member tending to press the sides thereof together.

17. An extensible bookbinder comprising in combination, a flexible supporting back member, a comparatively stiff sliding sleeve member serving as a side cover and into which the said flexible member is adapted to extend, spring means arranged adjacent an open end of said sleeve member tending to keep said open end closed.

18. An extensible bookbinder comprising in combination, a flexible supporting back member, a comparatively stiff sliding sleeve member serving as a side cover and into which the said flexible member is adapted to extend, spring means concealed within said sleeve member adjacent an open end thereof tending to keep said open end closed.

Signed at New York city, N. Y. this 16th day of October, 1909.

CHARLES HERBERT HOYT.

Witnesses:

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CHESTER T. NEAL.