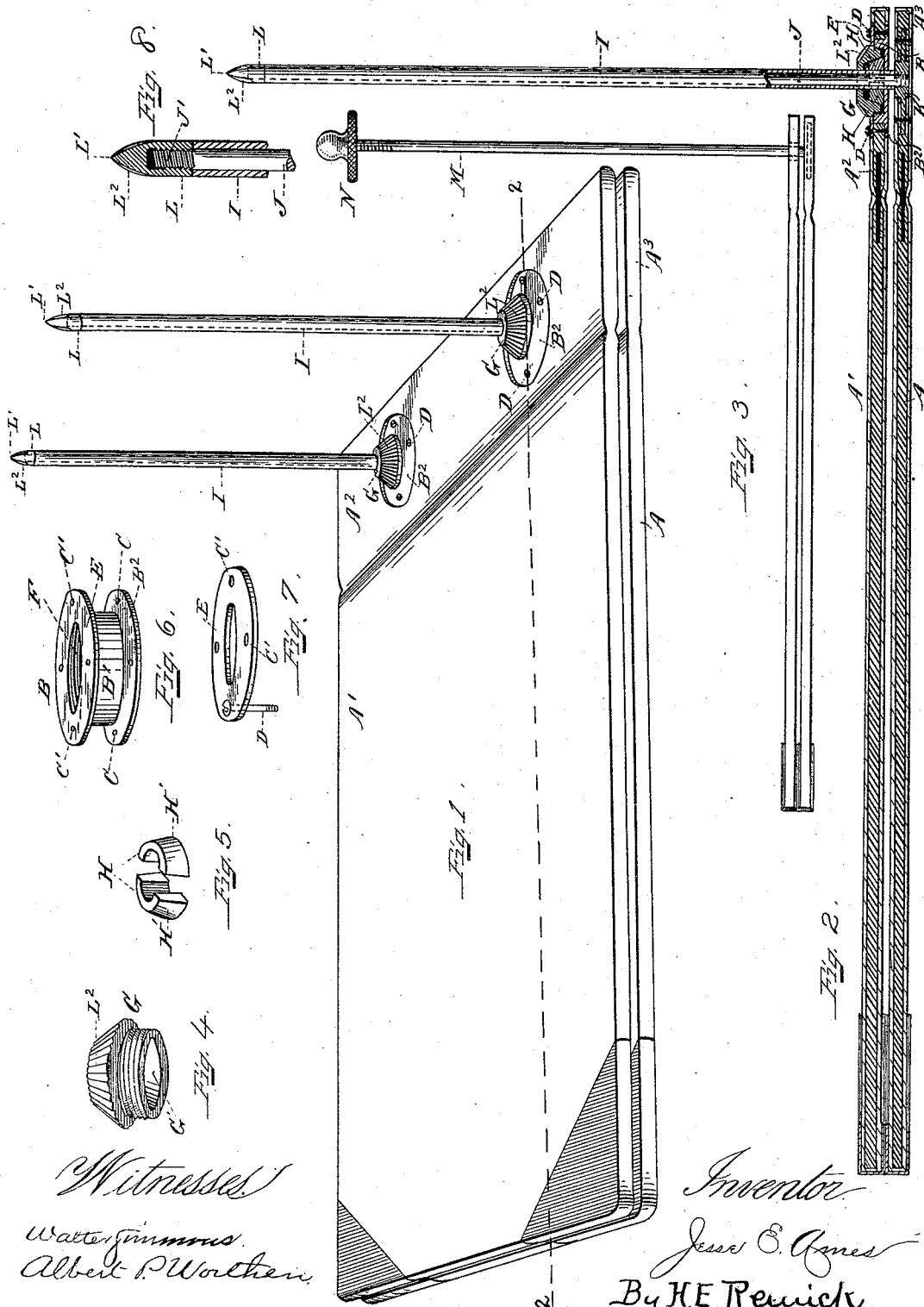


(No Model.)

J. E. AMES.  
TRANSFER BINDER.

No. 492,772.

Patented Mar. 7, 1893.



Witnesses  
Waterman  
Albert P. Worthen

Inventor  
Jesse E. Ames  
By H.E. Rennie  
his atty.

# UNITED STATES PATENT OFFICE.

JESSE E. AMES, OF BOSTON, MASSACHUSETTS.

## TRANSFER-BINDER.

SPECIFICATION forming part of Letters Patent No. 492,772, dated March 7, 1893.

Application filed October 24, 1892. Serial No. 449,732. (No model.)

*To all whom it may concern:*

Be it known that I, JESSE E. AMES, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented a certain new and useful Improvement in Transfer-Binders, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to improvements in transfer binders as ordinarily employed in mercantile pursuits, and adapted to receive the sales-sheets or other kindred memoranda of daily transactions.

The particular object of my invention is to provide said binder with interchangeable fastenings temporarily uniting through the medium of one or more spindles, and sleeves thereon, the covers composing the binder; and further adapted to remove quickly when desired the accumulated sheets, without disarranging their consecutive order and date, to permanent binders having corresponding spindles, or to files without covers but united through said spindle sleeves by cords or tapes passing therethrough. The importance of transferring such accounts without destroying the integrity of their original filing cannot be too strongly emphasized. The interchangeability, too, of the metal fastenings from disused binders to new covers, effects an important desideratum in the matter of economy.

The utility of my improved invention is further exemplified in the accompanying drawings forming a part of this specification, in which—

Figure 1, is a perspective of my invention as applied to a transfer binder, prepared to receive the sales-sheets of the day's transactions. Fig. 2, designates a longitudinal section on dotted line 2—2 of Fig. 1. Fig. 3, being an illustration of an ordinary permanent binder designed to receive from the transfer binder the sales-sheets or other memoranda for future reference. Fig. 4, is an under perspective view of the finger button. Fig. 5, indicates the duple clutches actuated by said button. Fig. 6, exhibits the assembled threaded socket receiving the threaded button. Fig. 7, being the circular flange piece confining said threaded socket, when its assembled devices are within the cover of the binder, as observed in Fig. 2, and Fig. 8, a vertical lon-

gitudinal detail section of the terminal button threaded upon the spindle, and retaining the spindle sleeve upon said spindle until such time as the transfer of the accumulated sheets to the permanent binder is desired.

Similar letters of reference indicate like parts in various figures thereof, referring to which,—

A, designates the transfer binder in its general construction not varying from the commercial form in use, A' being a flap continuation thereof within and to which my invention is applied, as observed in Fig. 2, the latter portion being flexibly attached to the former for reasons obvious.

The socket is indicated at B, and consists of the shank B' threaded internally and provided integrally with the over-lapping flange B<sup>2</sup>, which is pierced with two or more holes, C, C, for the reception of screws D, one of which is shown in Fig. 7, which enter the upper detached flange E, separably formed but identically pierced as at C', for the purpose of confining said socket piece to the hinged flap A', when the several parts are organized. Through the use of these screws in preference to rivets, the parts can be removed to new covers when necessary to provide them, and is an economical advantage in the adaptation of my invention. The internal thread F, receives the externally threaded finger button G, the shank of which is provided internally with a conical chamber G', the walls of which impinges upon the outer inclined or conical walls H', H' of the clutches H, which are seated in their operative situation within the button chamber G' previously described, when the button is turned down within the socket B, as in Fig. 2. These clutches, when assembled, surround the sleeve I, which is seated against the lower cover flap A<sup>3</sup> of the binder cover A, said sleeve being supported by the spindle J, the latter being securely threaded into a base plate K, bound and riveted inside the flap A<sup>3</sup>. This method permits the removal of the spindle J, for its adjustment to other covers, as in the removal of the several parts for the purpose before mentioned.

J' represents the threaded end of the spindle J, which protrudes above the sleeve I, sufficiently to receive the retaining conical finger cap L, which is screwed down upon said spin-

dle end to retain the sleeve I, in position. This retaining piece L, is pointed as at L', to facilitate the placing thereon of the sales or other sheets, the corrugations L<sup>2</sup> thereupon, as also on the button G, facilitate the manual adjustment of these parts.

In the assemblage of the various devices herein described, the spindle is united to its socket K, within the lower flap A<sup>3</sup>, over which the sleeve is placed and confined thereon by the finger cap L. The upper flap A<sup>2</sup>, now receives the socket, within which has been previously placed the clutches H, and the finger button G, screwed down over them sufficiently to retain them within their chamber G', but not to compress them. Thus aggrouped, these parts are placed in position in the apertures in the flap A<sup>2</sup>, from the inner side and confined thereto by the separable flange E, which in turn is secured firmly to its flap A<sup>2</sup>, from the top or outer side. The cover A' now being placed over the sleeve and spindle down upon the lower cover A, in which position it is ready for use as in Fig. 1. In the practical application of my improved transfer binder, the cover A' is removed from the spindles, slightly retracting the buttons G, sufficiently to release the clutches H, from the sleeves I. The sales-sheets or memoranda (not illustrated) are now placed in their accumulated order, printed face downward, the cover A' is again restored above such memoranda, and the buttons G, simultaneously tightened, forcing the clutches against their respected sleeves, thus completing the operation. To transfer the accumulated sheets to the permanent binder, release the clutches H, in the manner hereinbefore stated, remove the cover A', after which remove the retaining finger piece L, which permits the withdrawal of the sleeves I from the spindle J, with their collected matter thereon undisturbed. These sleeves are now in a like manner placed over the spindle M, between the covers, without disturbing their order and secured thereon by the screw cap N, where, in this form, they become permanently filed. Without departing from the spirit of my invention, which particularly applies to transfer binders, it practically embraces all forms thereof on which my improved devices could be utilized.

Having thus explained the nature and application of my improved invention, I claim—

1. In a binder adapted to temporarily or permanently hold memoranda, the flexibly attached flap provided with apertures to receive an internally threaded socket piece, the said socket piece integrally provided with the over-lapping pierced flange, and the separable flange thereof identically pierced to unite said socket piece to said flap when these devices are organized in the manner and for the purpose specified.

2. In a transfer binder, the socket piece provided with a fixed and a separable flange adapted to detachably unite the former to the latter, the combination therewith of an externally threaded button provided with a conical chamber, an orifice thereto for admission of a spindle and sleeve, and a corrugated exterior to facilitate its manual adjustment, for the purpose specified.

3. In a transfer or other binder, the hereinbefore described socket piece and the threaded and chambered button, in combination therewith two or more clutches provided with semi-circular interior walls to embrace the spindle sleeve, and conical exterior surfaces to engage with the walls of said button chamber, when the cover flaps are to be secured to the spindle sleeves, substantially in the manner set forth.

4. In an organized binder for mercantile uses, the hinged flaps A<sup>2</sup>, A<sup>3</sup>, the former provided with apertures sustaining the hereinbefore described locking devices comprising the screw-threaded socket B, with its attached and detached flanges, the conical chambered button G, therein supported, the double clutches H, operating within and by said button chamber G', the spindle sleeves I, against which said clutches are confined, the spindles J, and described means for the retention of said sleeves thereon, all designed, arranged and adapted to co-act in conjunction with the covers A and A', comprising in the assemblage of said parts my improved binder as herein specified.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 17th day of October, A. D. 1892.

JESSE E. AMES.

Witnesses:

WALTER SIMMONS,  
ALBERT P. WORTHEN.