

(No Model.)

C. H. SANFORD.  
NEWSPAPER BINDER.

No. 357,042.

Patented Feb. 1, 1887.

Fig. 1.

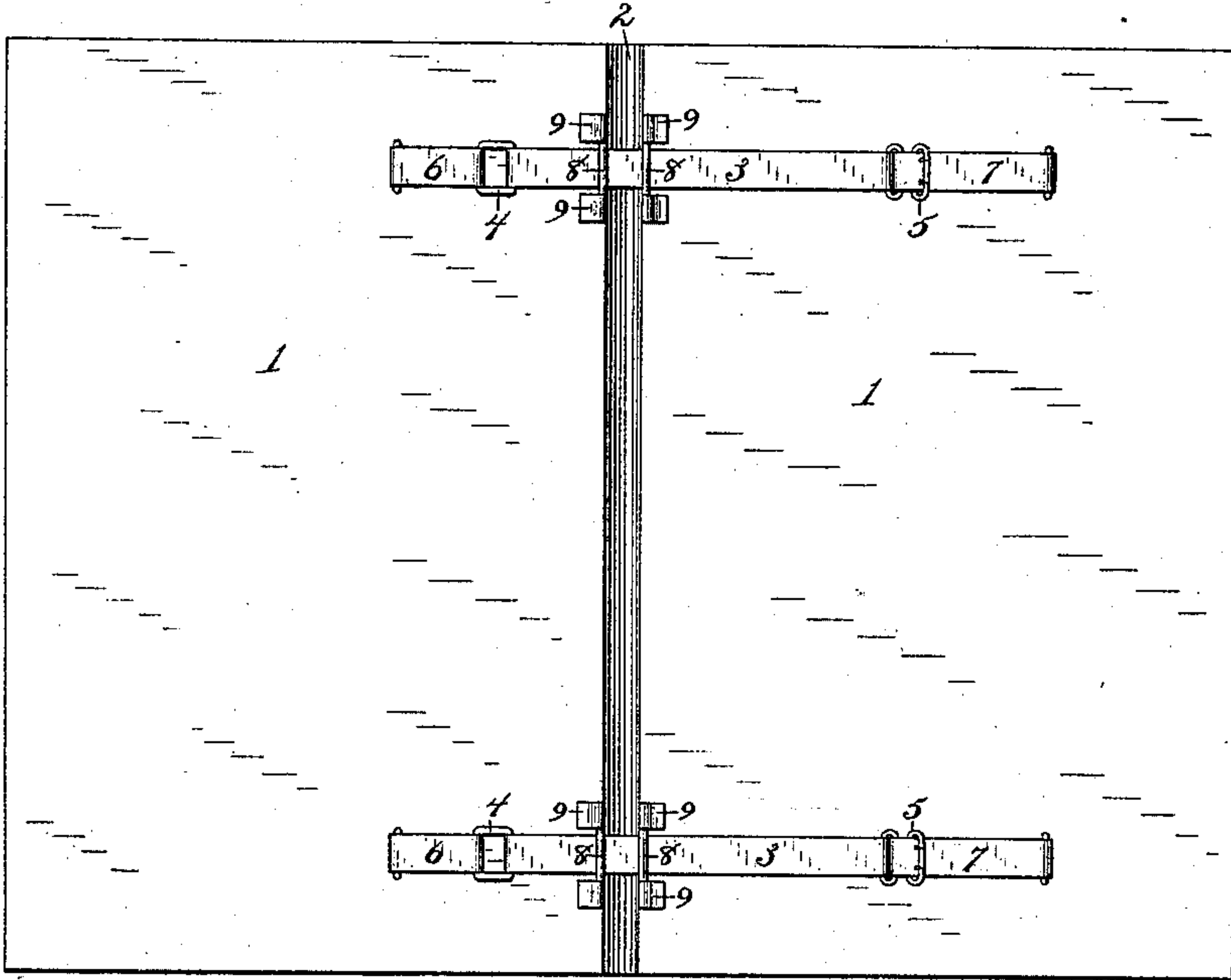


Fig. 2.

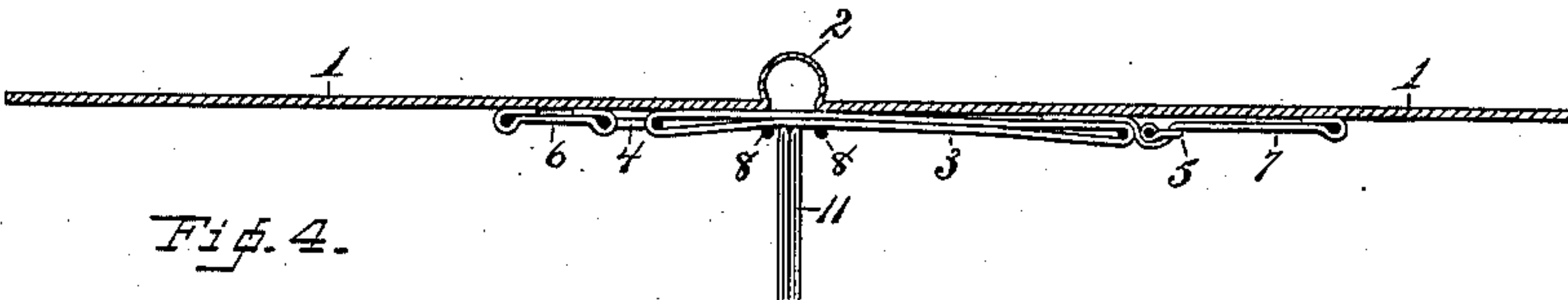


Fig. 4.

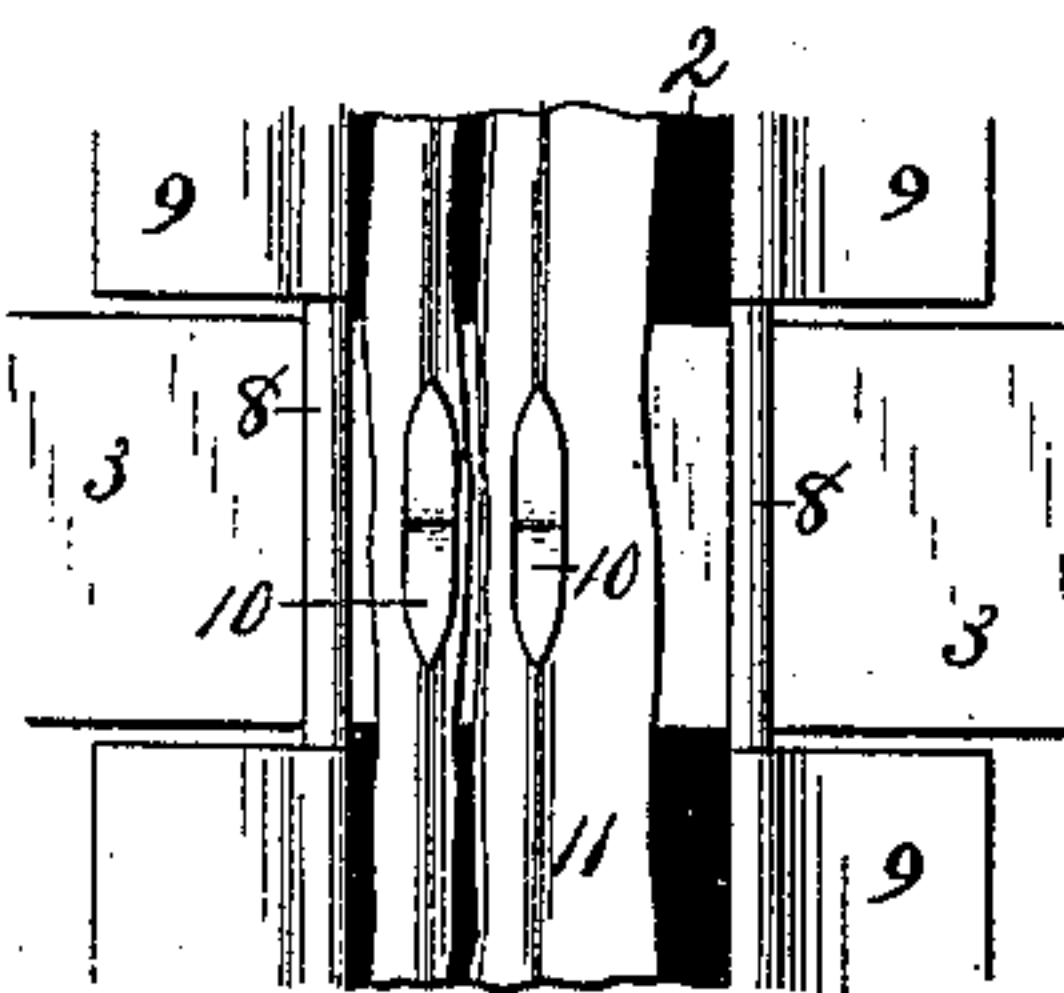
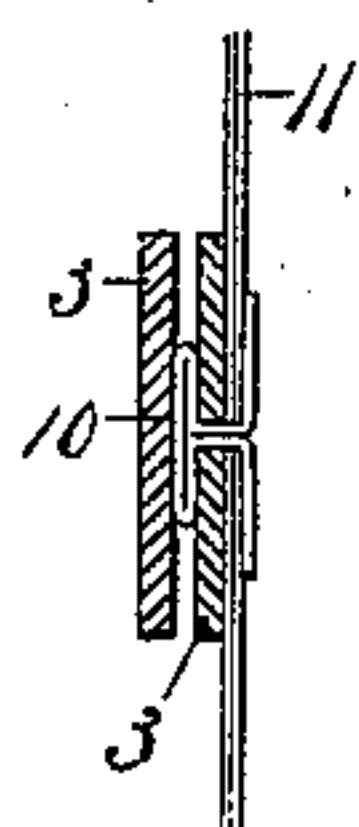


Fig. 3.



Witnesses:

C. C. Perkins.  
C. E. Ruggles.

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By A. M. Wooster  
att'y.

# UNITED STATES PATENT OFFICE.

CHARLES H. SANFORD, OF DANBURY, CONNECTICUT, ASSIGNOR TO  
LYMAN D. BREWSTER AND HENRY T. HOYT, OF SAME PLACE.

## NEWSPAPER-BINDER.

SPECIFICATION forming part of Letters Patent No. 357,042, dated February 1, 1887.

Application filed March 15, 1886. Serial No. 195,243. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. SANFORD, a citizen of the United States, residing at Danbury, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Newspaper-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 appertains to make and use the same.

My invention relates to the class of binders or files in which a number of newspapers may be bound, and has for its object to simplify and improve their construction without in any way increasing their cost. In order to accomplish these results, I have devised the novel construction of which the following description, in connection with the accompanying drawings, is a specification, numbers being used to indicate the several parts of the device.

Figure 1 is a plan view of the binder in its opened position and ready for use, no papers being shown; Fig. 2, a cross-section through the holding-strips, the device being held in an inverted position and two papers shown secured in place; Fig. 3, an enlarged detail longitudinal section, showing the manner in which the papers are secured in place; and Fig. 4 is an enlarged detail plan view, also illustrating the manner in which the papers are secured in place.

1 indicates the covers or sides of the binder, which are made of any suitable size to accommodate the papers which it is desired to bind, and 2, a flexible back by which the covers are connected. The covers and the back may be of ordinary or any preferred construction.

3 indicates a double or endless strip or band, preferably made elastic at the top and bottom of the binder. These double strips or bands are provided on one side with a ring or loop, 4, and on the other side with a buckle, 5, the bands being adapted to slide freely through the ring 4, and also through the ring or loop of the buckle.

6 is a strap, preferably made elastic, one end of which is secured to ring 4 and the other end firmly secured to the inner side of the

cover, at some distance from the inner edge thereof.

7 is a strap firmly secured to the opposite cover, the free end of which is adapted to engage buckle 5. This strap, as well as strap 6, and the double strip or band 3 may be made elastic. In practice I have made them all elastic, although if strip 3 is made of firm strong elastic, the same result will be accomplished.

8 indicates guide-rods, which are firmly secured to the inner edges of the covers, one at top and bottom on each side. The object of the guide-rods is to hold the endless strip 3 in operative position, the strip in its doubled form passing under the rods, as is clearly shown in Fig. 2. The guide-rods may be held in position in any suitable manner. In the drawings I have illustrated loops 9 for that purpose, which are firmly secured to the inner sides of the covers.

10 indicates clamps by which the papers are held in place. These clamps may be of any preferred construction. I preferably, however, use ordinary McGill paper-fasteners, which answer the purpose perfectly.

11 indicates papers held in position by the clamps.

The operation is as follows. When it is desired to insert a paper, the covers are laid open, as in Fig. 1, and a clamp passed through the outer fold of strip 3, and then through the paper, care being taken to insert the clamp in such a manner that when the points are pressed out to fasten it they will lie longitudinally of the paper—that is to say, the points of the clamp will lie in the fold of the paper, the head of the clamp lying against the back fold of strip 3, all of which is clearly shown in Fig. 3. In practice, two of these endless strips will be found quite sufficient to hold the largest-sized papers. The strips are placed near the top and bottom of the covers in such a position that the clamps will come outside the margins of double-page illustrations. Straps 7 are of course kept drawn up tight enough so that the strips will hold the papers down firmly in position, guide-rods 8 preventing them from dropping down, no matter in what position the binder may be held. It will be



readily understood that any number of papers may be bound in this manner—that is, within the capacity of the covers and back. As the binder becomes full, straps 7 are of course loosened, the endless strip slipping freely through ring or loop 3, and also through the ring of the buckle. To insert a newspaper, it is simply necessary to use a new clamp at top and bottom, as already described. To remove a paper, the points of the clamp are turned up, as with ordinary paper fasteners, which permits it to be readily removed, and, if desired, it may be restored to its old place in the same manner. Any number of papers may be removed or added at any time without disturbing the arrangement of those in the binder and without marring them, and the whole operation may be completed in an instant's time.

I do not desire to limit myself to the exact details of construction shown and described, as it is obvious that they may be considerably varied without departing from the spirit of my invention.

I claim—

1. The covers and double elastic strips 3, 25 attached thereto, in combination with clamps 10, passing through the outer fold of the strip from the back and engaging the papers to be bound.

2. In a paper-binder, the covers provided 30 with guide-rods 8, and connected by back 2, in combination with an elastic band passing under said guide-rods and having a ring and buckle, through which it slides freely, and strap 6, connecting the rings to one of the 35 covers, and straps 7, connected to the other cover and engaging the buckles.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES H. SANFORD.

Witnesses:

MARY A. LOGAN,  
JABEZ AMSBURY.