

No. 860,823.

PATENTED JULY 23, 1907.

S. S. POTTER.  
BOOK LEAF HOLDER.  
APPLICATION FILED AUG. 31, 1906.

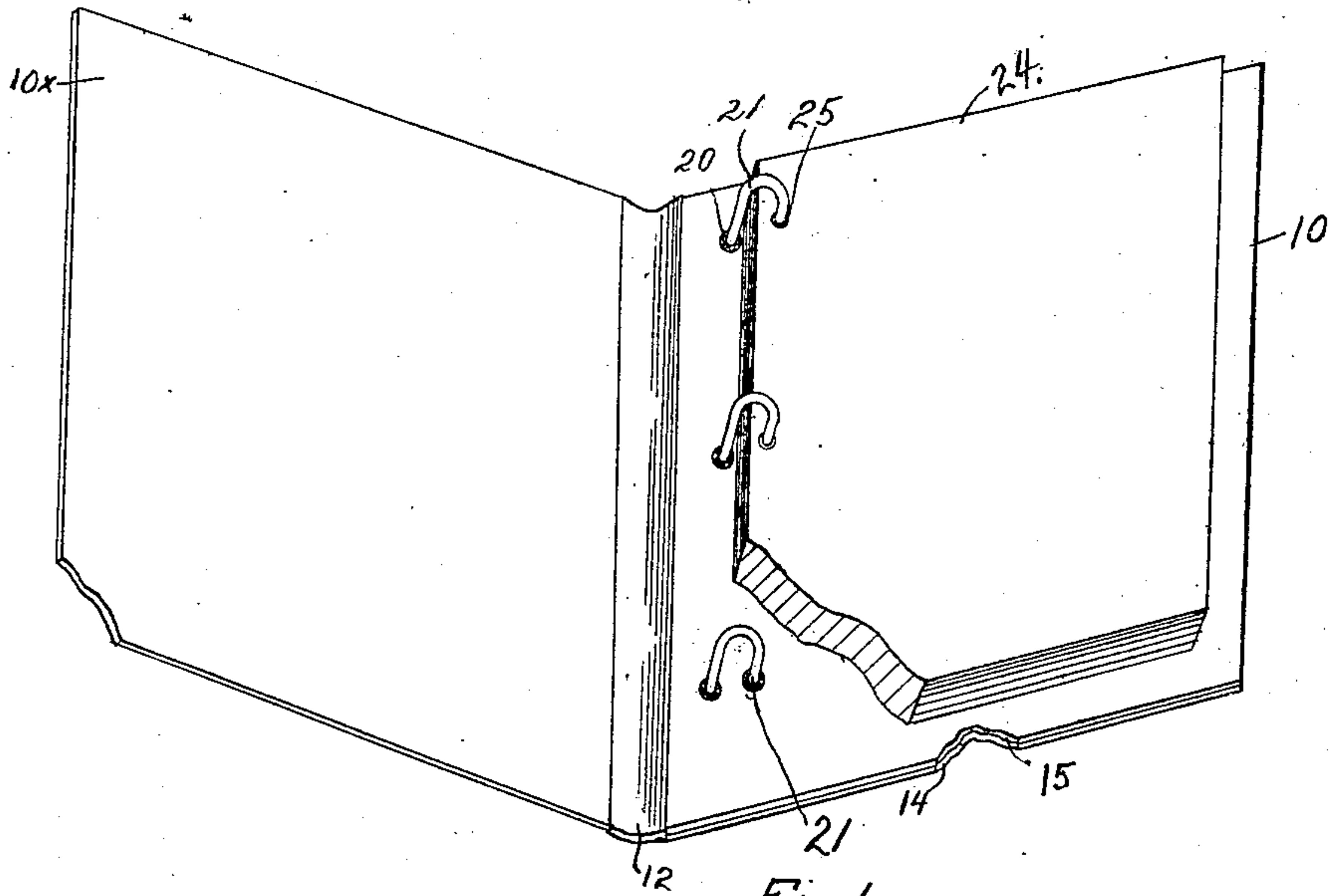


Fig. 1.

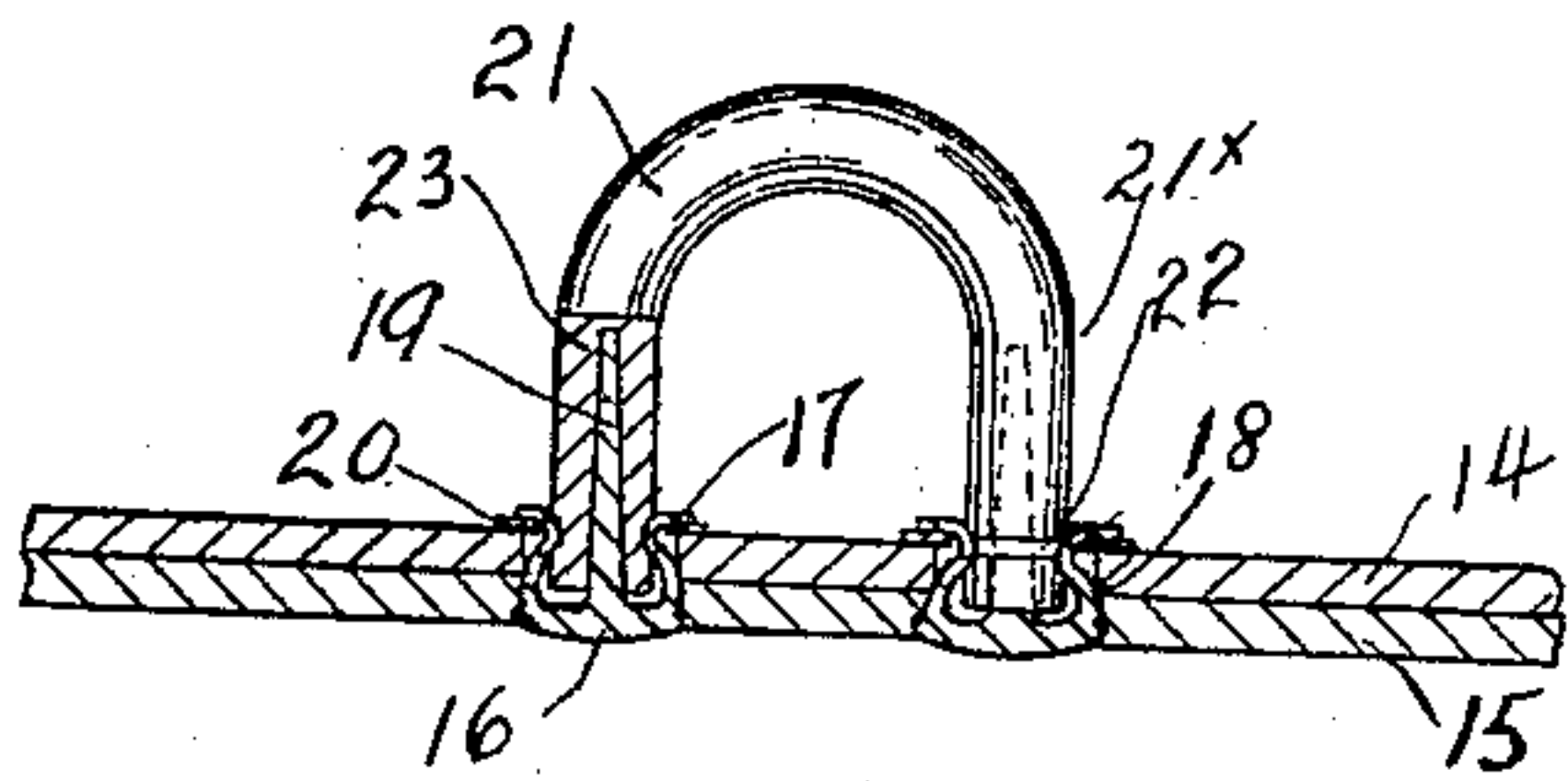


Fig. 2.

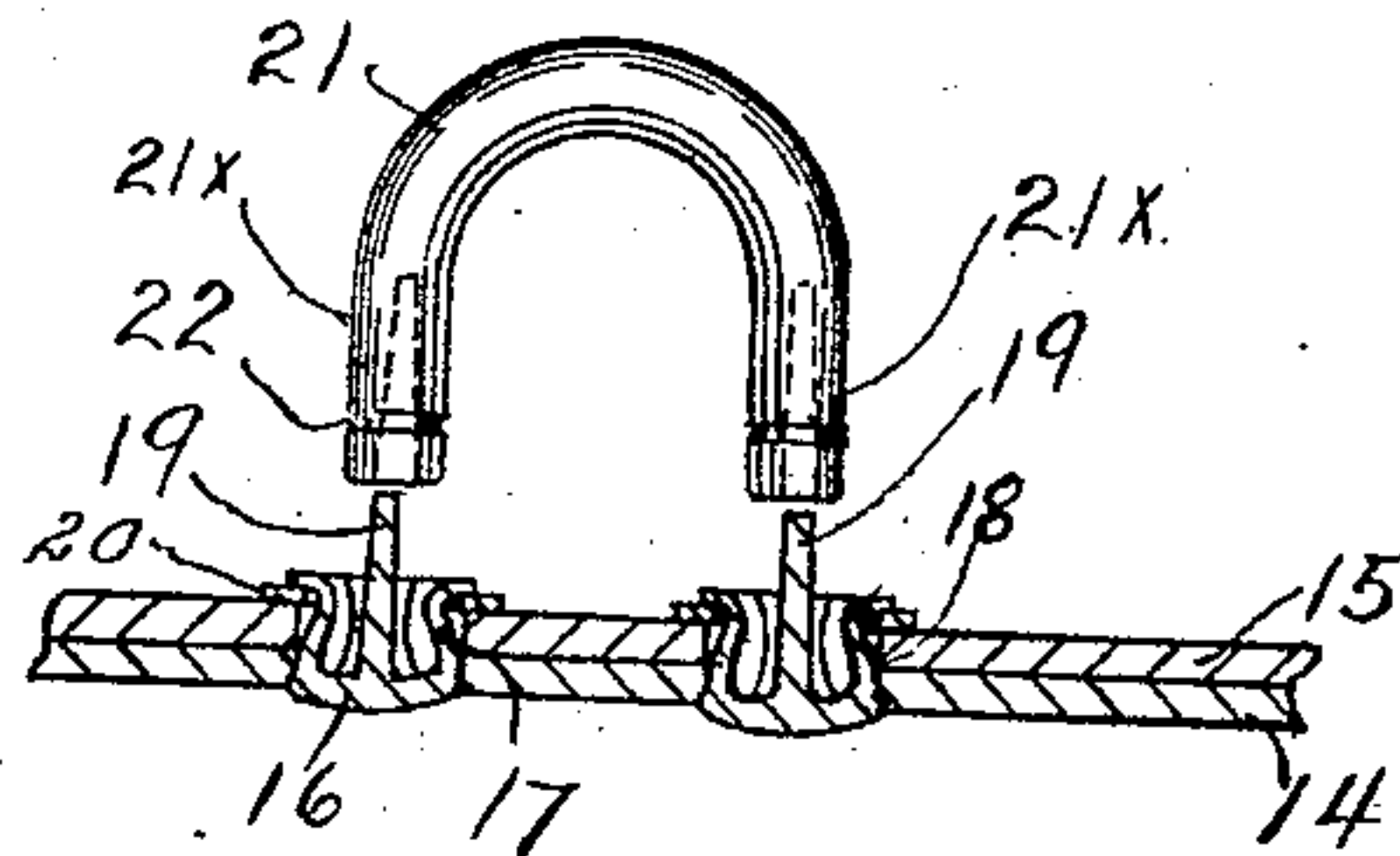


Fig. 3.

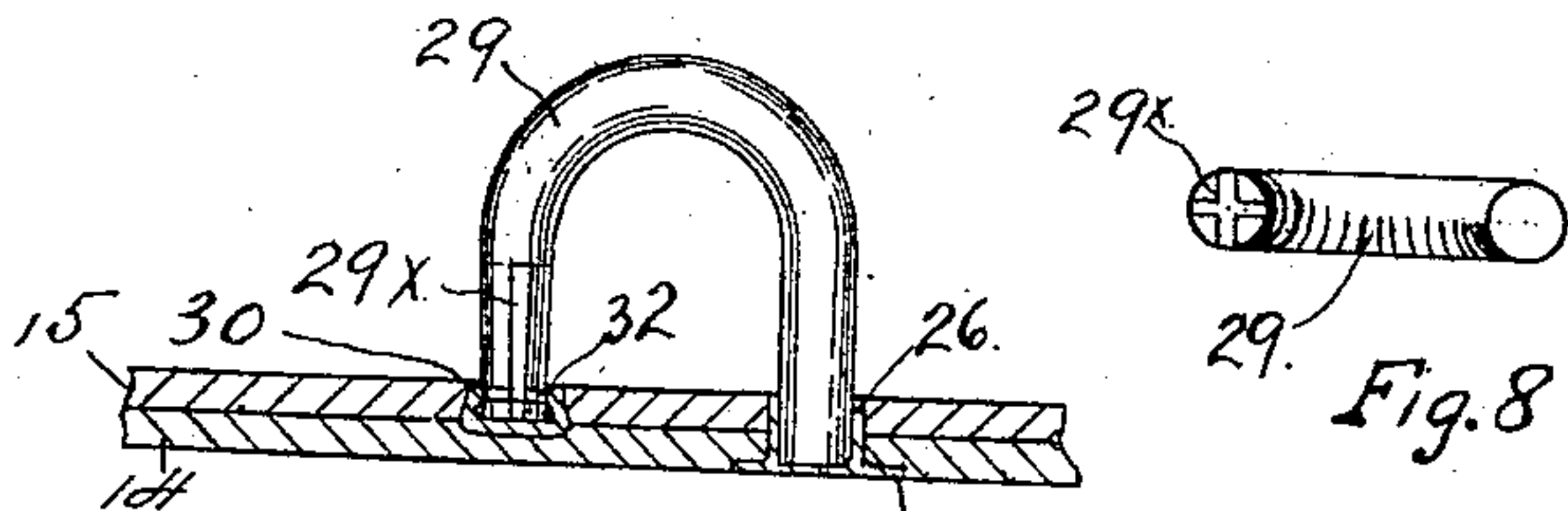


Fig. 7.

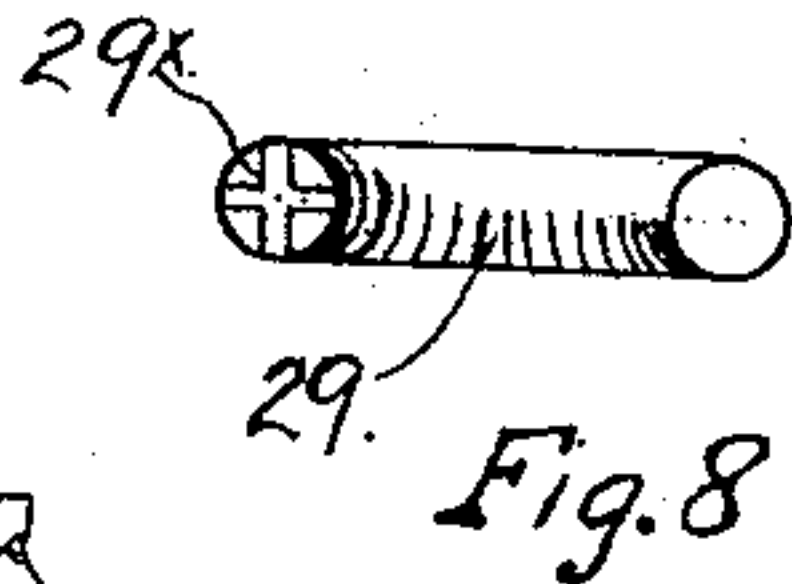


Fig. 8.

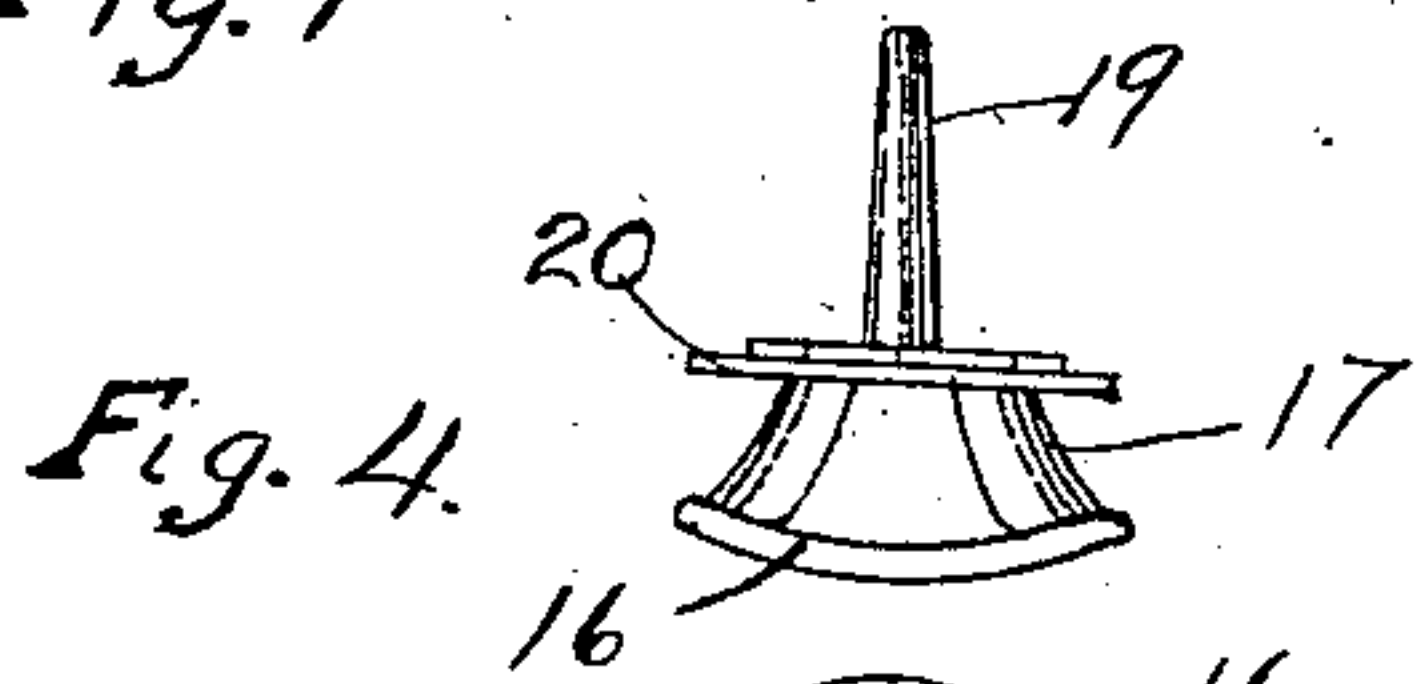


Fig. 4.

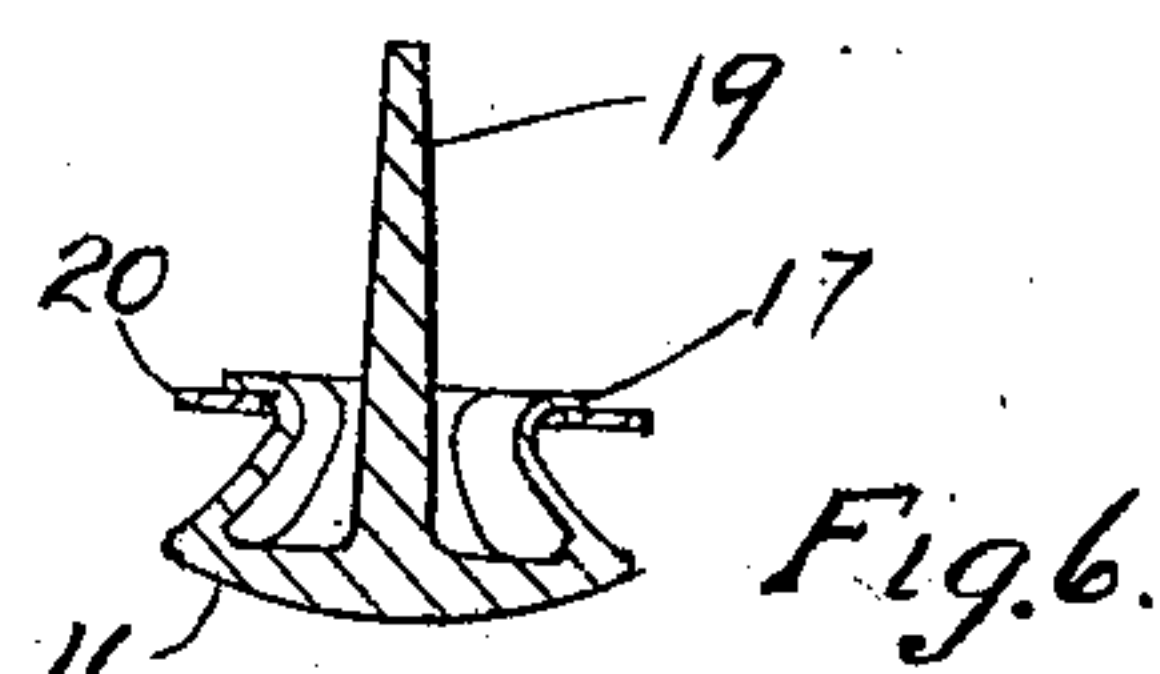


Fig. 6.

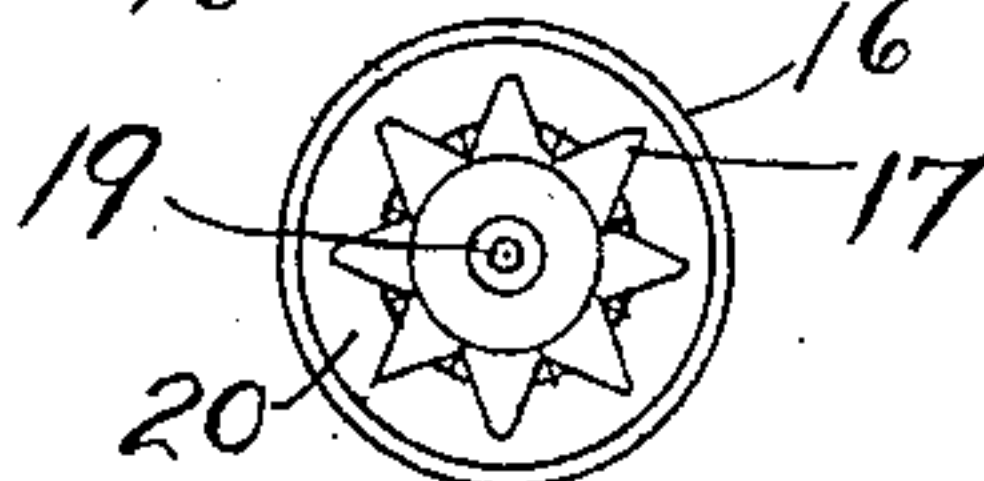


Fig. 5.

Witnesses.

Russell J. Bodman.

B. L. C. Hasson

Inventor  
Stacy S. Potter.  
Richard Manning  
Attorney.



# UNITED STATES PATENT OFFICE.

STACY S. POTTER, OF KANSAS CITY, MISSOURI.

## BOOK-LEAF HOLDER.

No. 860,823.

Specification of Letters Patent.

Patented July 23, 1907.

Application filed August 31, 1906. Serial No. 332,854.

*To all whom it may concern:*

Be it known that I, STACY S. POTTER, a citizen of the United States of America, residing at Kansas City, in the county of Jackson and State of Missouri, have  
5 invented certain new and useful Improvements in Book-Leaf Holders; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others to make and use the same, reference being had to the accompanying  
10 drawing, forming a part of this specification.

The invention has for its object primarily a detachable holder for the leaves of books, bank checks, etc., whereby the increase in the number of leaves may be adequately provided for. Second—to prevent lateral  
15 movement of the holder when secured in position and, third—to enable the leaves to be held in proper alinement preceding the insertion of the holder.

The invention consists in the novel construction and combination of parts such as will be first fully described and then specifically pointed out in the claims.  
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In the drawings Figure 1 is a view in perspective of book leaf covers showing the book leaves and the novel book leaf holders in position upon one of the covers a portion of the covers being broken away to  
25 show the thickness of the boards. Fig. 2 is a sectional view taken through one of the covers and the fastenings in the cover showing the book leaf holders in position, a portion of the holder being in section. Fig. 3 is a view similar to that seen in Fig. 2 showing the  
30 holder withdrawn from the self fastening or coupling devices. Figs. 4, 5 and 6 are detail side plan and cross sectional views respectively of the fastening devices in the cover for leaf holder. Fig. 7 is a sectional  
35 view of the cover showing modifications of the invention and Fig. 8 is a view of the holder as seen in Fig. 7 inverted in position.

Similar numerals of reference indicate corresponding parts in all the figures of the drawing.

Referring to the drawing 10 $\times$ , 10 indicates separate  
40 upper and lower book leaf covers commonly employed for holding loose leaves, the inner longitudinal portions of which covers are secured to a flexible back 12.

The cover 10 as shown consists of two flat boards 14 and 15 which are pasted together and give rigidity to  
45 the cover and more particularly affords the desired thickness for the fastening devices for the leaf holder while the other cover 10 $\times$  consists of a single flat board.

The fastening devices in the cover 10 consist of an annular disk 16 of the requisite size from which extends radially separate extensions 17 the sides of  
50 which extensions are inclined inwardly and terminate at a point. In the cover 10 and extending through the boards 14 and 15 are perforations 18. These perforations are located a short distance inwardly from the inner longitudinal portions of the  
55 cover 10 and upon a line extending transversely to

the cover and one of said openings being a short distance inwardly from the other. The perforations 18 are slightly smaller than the circumference of the disk 16 and extend through both boards 14 and 15  
60 and are in vertical series so that a number of leaf holders may be employed upon each cover. The outer ends of the portions 17 of the disk 16 which are made integral with the disk are bent at right angles and extended upwardly so as to form a socket and then  
65 drawn inwardly as seen in Fig. 4. Within the parts 17 and connected rigidly with the inner surface of the disk 16 is a pin 19, the circumference of which pin is gradually decreased in an upward direction or toward the upper end of the pin which end extends a  
70 considerable distance above the ends of the portion 17 of disk 16. The fastening devices are secured to the cover 10 by the insertion of the extended parts 17 of the disk from the direction of the outer surface of the cover within the openings 18 and upon the inner sur-  
75 face of the cover. Around the said extended parts 17 of disk 16 is extended a washer 20, the inner ends of the parts 17 of the disk 16 being bent outwardly and downwardly upon the outer surface of the washer thus confining the parts 17 from being drawn outwardly  
80 from the openings 18, the parts 17 of the disk being adapted to be moved in a slight degree outwardly and also self retract in position toward the pin 19.

21 indicates the leaf holder which consists of a round body or stem bent in a curved or U shape the parallel  
85 portion or prongs 21 $\times$  of the holder being of the proper size to extend within the parts 17 of the fastening device in the cover 10 and force said parts outwardly in position. In the outer surface of the parallel portions 21 $\times$  of the leaf holder are grooves 22 extending circum-  
90 ferentially around said portions at a point inwardly from said ends to be engaged by the portions of the extensions 17 of disk 16 which are bent outwardly upon the washer 20. In the ends of the parallel portions or prongs 21 $\times$  of the leaf holder are openings 23 which are  
95 gradually reduced in circumference and are of the proper depth to receive the pins 19 on the disk 16 and permit the fastening of the prongs.

24 indicates the book leaves upon the inner surface of the cover 10. In the surfaces of the leaves adjacent  
100 to the line of the inner vertical series of openings 18 for the fastenings in the cover 10 are perforations 25 these openings being punched in the ordinary manner and made slightly larger than the circumference of the holder 21. In securing the leaves 24 to the cover the  
105 pins 19 on the disks 16 are extended through the registering openings 25 of the leaves and the leaves arranged thereby in position. The holder 21 is then placed in position above the pins 19 as seen in Fig. 3 and the prongs 21 $\times$  pushed downwardly, the inner prong pass-  
110 ing through the perforations 25 of the book leaves and upon entering the space between the extensions or parts



17 of the disk 16 these parts are forced outwardly until the parts come into position opposite the groove 22 when said parts enter said groove and the leaf holder is retained detachably in position the pin 19 preventing lateral movement of the leaf holder and contributing a rigidity to the holder.

Instead of employing the pin 19 I may employ an ordinary socket 26 as seen in Fig. 7 for one end or prong of the leaf holder. In this construction one end or prong of the leaf holder 29 is made longer than the other so as to extend through two thicknesses of boards within the socket 26, the ends of the socket being upset upon the inner surfaces of the cover while the outer portion of the socket is provided with a flange 27. The other or short end of the prong of the leaf holder is cross cut or provided with openings 29<sup>x</sup> extending at right angles to each other and a considerable distance in the longitudinal direction of the prong. These openings divide the end of the prong into segmental parts 29<sup>o</sup> which are adapted to be compressed inwardly and retract when the pressure is released. In the outer surface of the said end of the prong is an annular groove 30. The fastener for said end of the prong consists of a socket 31 stamped out in the usual manner from suitable material upon the inner surface of the upper ends of the sides of which socket is a bead 32, which enters the annular groove 30 in the said end of the split prong, which groove is the same as the groove 22 in Fig. 1. When the prong is inserted through the perforations in the book leaves and enters the socket 30 a pressure applied to the leaf holder 29 forces the end of the prong past the bead 32 the segmental parts moving inwardly and then retracting outwardly so as to grasp the grooved portion of the prong.

In order to accommodate greater or less number of book leaves the holder may be made with increased length of prongs so that the same covers may be used with no additional cost.

It is obvious that the movement of the leaf holders

laterally from either the weight of the leaves or in the contact forcibly of objects is prevented and the holder secured to the cover with despatch.

The invention is adapted to be used upon paper supports or bill files in which the paper or bills are secured to a suitable support.

Having fully described my invention what I now claim as new and desire to secure by Letters Patent is

1. The combination with a book leaf cover of a leaf holder having parallel prongs means on said prongs and cover for securing said prongs detachably to said cover and means for supporting the leaf holder from lateral movement.

2. The combination with a book leaf cover of a leaf holder having parallel prongs, means on said cover and prongs securing said prongs detachably to said cover and supporting means for the prongs extending therein.

3. The combination with a cover of self fastening leaf holding devices upon said cover and a pin, said pin being adapted to extend within the leaf holder.

4. A book leaf holder comprising a stem having prongs and sockets for the ends of said prongs, means for holding said prongs detachably within said sockets and pins within said sockets extending within said prongs.

5. In book leaf holders a cover having perforations, sockets within said perforations having its sides in separate retracting parts said parts being bent upon the said cover, means for holding said sockets within said perforations and a bent leaf holder having prongs extending within said sockets said prongs having grooves adapted to be engaged by the sides of said sockets.

6. In book leaf holders a cover having perforations, sockets within said perforations having its sides in separate retracting parts said parts being bent upon said cover, means for holding said sockets within said perforations and pins within said sockets, a bent leaf holder having its parallel prongs provided with openings in the ends thereof adapted to receive said pins said prongs having grooves adapted to be engaged with the retracting portions of said sides of the sockets.

STACY S. POTTER.

Witnesses:

WM. WALTER BRADY,  
EDWIN M. MCLEOD.