

No. 706,257.

Patented Aug. 5, 1902.

C. K. & C. A. REED.  
TEMPORARY BINDER.

(Application filed Oct. 11, 1901.)

(No Model.)

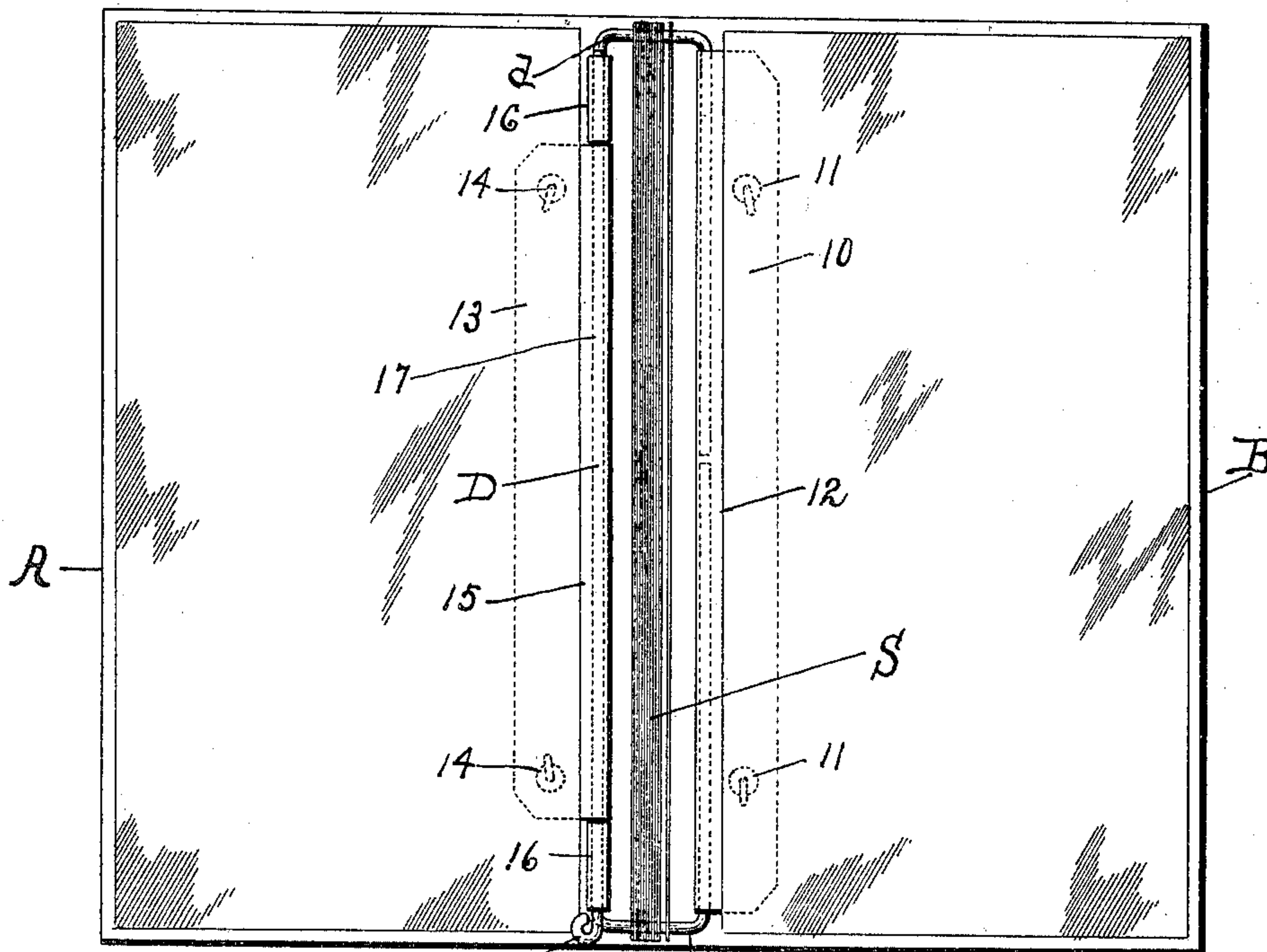


Fig. 1.

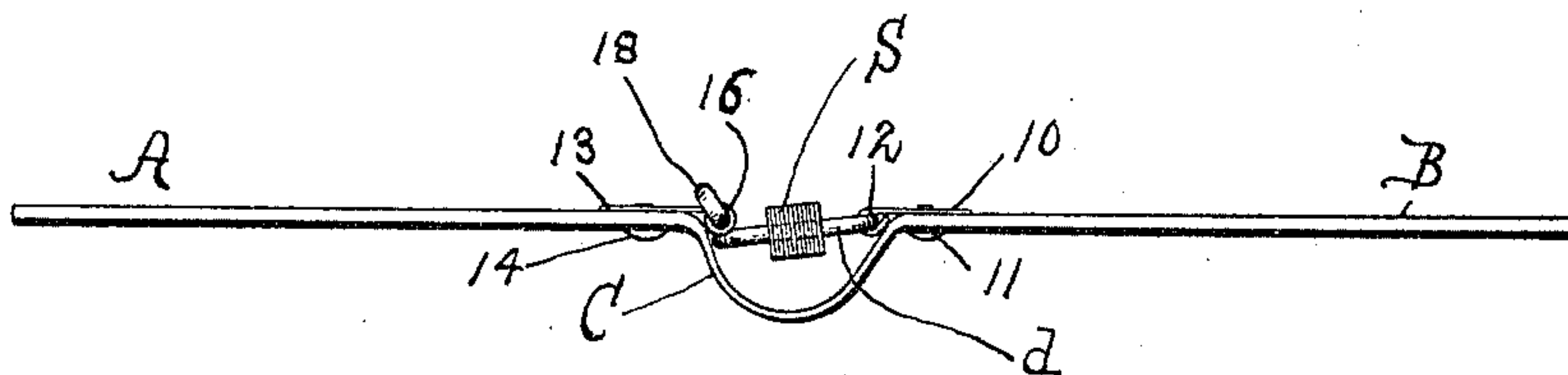


Fig. 2.

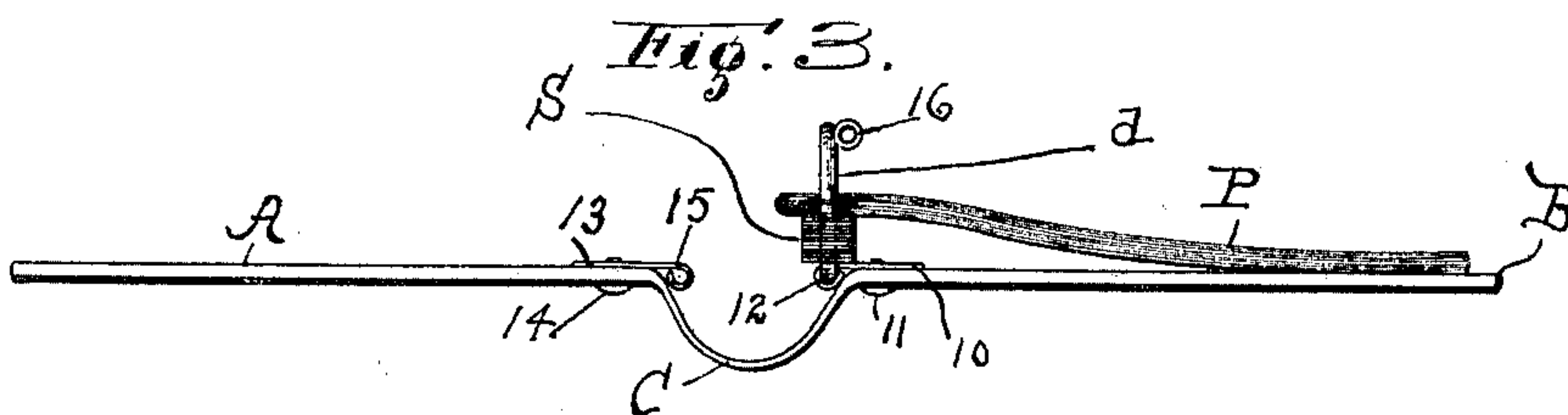


Fig. 3.

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# UNITED STATES PATENT OFFICE.

CHARLES K. REED AND CHESTER A. REED, OF WORCESTER, MASSACHUSETTS.

## TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 706,257, dated August 5, 1902.

Application filed October 11, 1901. Serial No. 78,339. (No model.)

*To all whom it may concern:*

Be it known that we, CHARLES K. REED and CHESTER A. REED, citizens of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Temporary Binder, of which the following is a specification.

The object of this invention is to provide a new and improved temporary binder for holding serial publications, pamphlets, and the like. It has been proposed before to make a device of this character using a number of supporting-strips which can be inserted through the pamphlets; but so far as we are aware these devices have not proved to be practicable or come into general use, because these prior devices do not provide a strong and perfect hinge for the covers. Moreover, the prior devices with which we are familiar have the objection that the steel supporting-strips are liable to become detached and lost when the device is opened. To overcome these defects, we have provided a new and improved device, which is made substantially as follows: The front and back covers are connected together by the usual flexible back. A long ear is secured to one of the covers, near the inside edge thereof. A wire is bent to form a frame, and the ends of said wire are contained in said ear. Before the wire is bent to assume this shape the steel supporting-strips are placed thereon. These steel strips are thus permanently carried by the wire frame and cannot become detached. Means are provided for hinging the wire frame to the inside edge of the other cover. This means usually consists of an ear carried by the inside edge of said other cover, an ear or ears fastened to said wire frame, and a pin or pintle which can be passed through said ears. By withdrawing the pin the frame can be swung out, so that the pamphlets can be inserted from the back. This construction provides a strong device for reinforcing the covers of the temporary binder, as said frame will form a support for each of said covers and will reinforce and brace the flexible back.

Referring to the accompanying drawings, forming part of this application, and in which we have shown the best form now known to us for practicing our invention,

Figure 1 is an inside front elevation of a temporary binder constructed according to our invention. Fig. 2 is a bottom plan view of the same, and Fig. 3 is a similar view showing the parts in open position and a pamphlet inserted in place.

Referring to the drawings and in detail, A designates the front cover, B the back cover, and C the flexible back, which connects said covers.

10 designates a piece which is secured by suitable rivets 11 to the inside edge of the cover B. This piece 10 is usually covered up by paper or cloth pasted on the inside of the cover, as shown in Fig. 1, although this paper or cloth is sometimes omitted, as shown in Figs. 2 and 3. The edge of said piece 10 is bent to form a long ear 12.

D designates a wire. This wire is bent, as at *d d*, at right angles to its main portion, and then the ends are bent down parallel with the main portion thereof, as shown. The long ear 12 on the piece D is bent around said ends. By this construction the said wire frame becomes a part of the structure and the cover B is hinged thereto. A number of steel supporting-strips S are secured in position on said wire frame before the ear 12 is bent around the ends thereof. These supporting-strips have holes near the ends thereof through which said wire frame passes.

A piece 13 is secured to the cover A by rivets 14 in the same manner that the piece 10 is secured to the cover B. The edge of this piece is bent to form an ear or lip 15. One or more ears, preferably two ears 16 16, are secured, as by soldering, on the wire frame D to come above and below said lip or ear 15. A pin or pintle 17, having a head 18, is inserted up through said ears. By this construction the cover A is detachably hinged to the wire frame. By thus hinging the wire frame to the covers the back is reinforced, and said covers can pivot or turn on said wire frame without straining said back and will thus last for a long time.

When it is desired to insert or withdraw a pamphlet or other article, the pintle 17 is withdrawn and the wire frame is swung up, as shown in Fig. 3, when the pamphlet P can be inserted between the bent-over portions *d d*



of the wire frame in such manner that a strip S will come in the middle thereof and keep the pamphlet in place—that is to say, when the wire frame is unlocked by the withdrawal of the pintle 17 and is swung out the magazines which it is desired to bind together may be dropped down into place, so that each one will straddle a supporting strip or rod S. When the temporary binder is opened, previously-bound-in copies may be removed, if desired, without removing subsequently-bound-in magazines, the temporary binding of the magazines being effected without perforating or marring the same in any manner whatever. The frame D is then swung back in position, so that the ears 16 16 come in line with the ear 15, and the pin 17 is then inserted, forming the temporary binder. By permanently securing the said supporting-strips on the wire frame D the same cannot become detached or lost.

The details herein shown and described may be varied by a skilled mechanic without departing from the scope of our invention as expressed in the claims.

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In a temporary binder, the combination of front and back covers connected by a back, a rectangular wire frame permanently hinged along one of its longer sides to one of the covers, means for detachably hinging the other

longer side of the rectangular frame to the other of said covers, and supporting rods or strips permanently strung at their ends onto the end sections of the wire frame.

2. In a temporary binder, the combination of front and back covers connected by a back, a rectangular wire frame, a piece of sheet metal bent around part of the wire frame to permanently hinge said frame along one of its longer sides to one of the covers, means for detachably hinging the other longer side of the rectangular frame to the other of said covers, and supporting rods or strips having their ends strung onto the shorter sides of the rectangular wire frame.

3. In a temporary binder, the combination of front and back covers connected by a back, an ear arranged on the inside edge of one cover, a wire bent to form a frame and having its ends contained in said ear, ears secured to said wire, an ear secured to the inside edge of the other cover, a pintle passing through said ears, and detachably hinging said wire to this other cover, and a number of supporting-strips arranged on said wire.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

CHAS. K. REED.

CHESTER A. REED.

Witnesses:

LOUIS W. SOUTHGATE,  
M. E. REGAN.