

(No Model.)

W. B. ALLEN.
BINDER.

No. 550,065.

Patented Nov. 19, 1895.

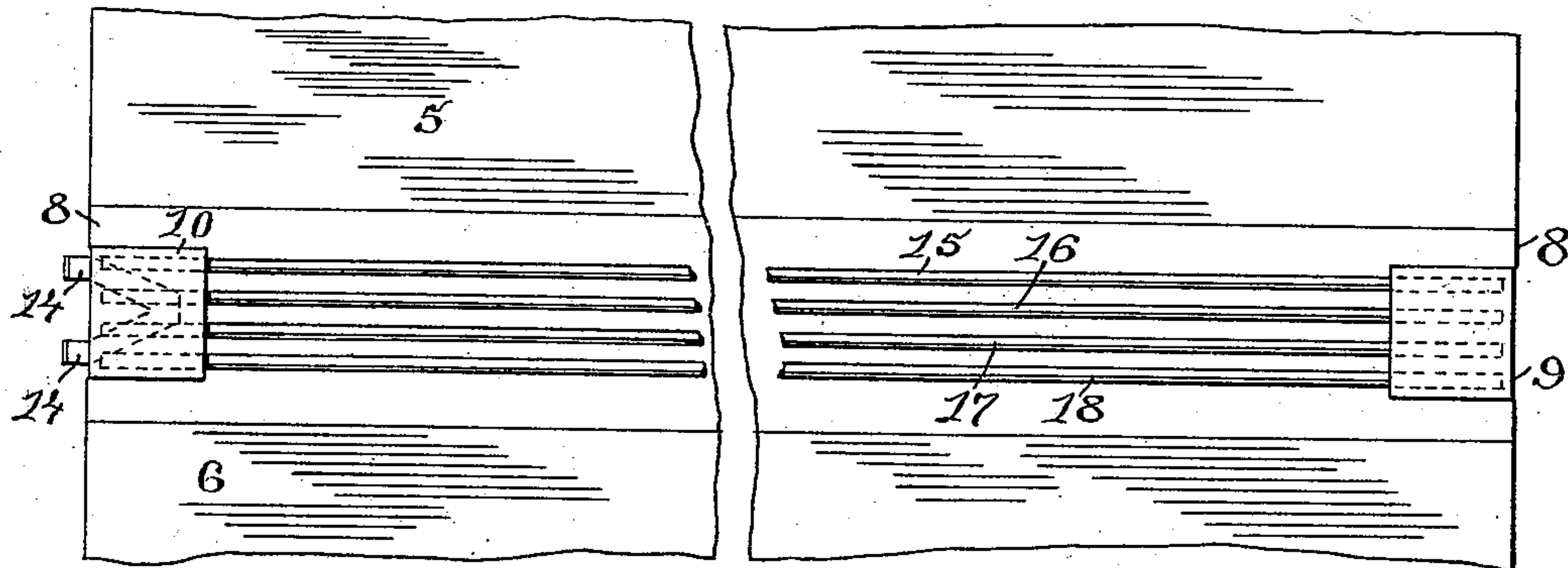


Fig. 1.

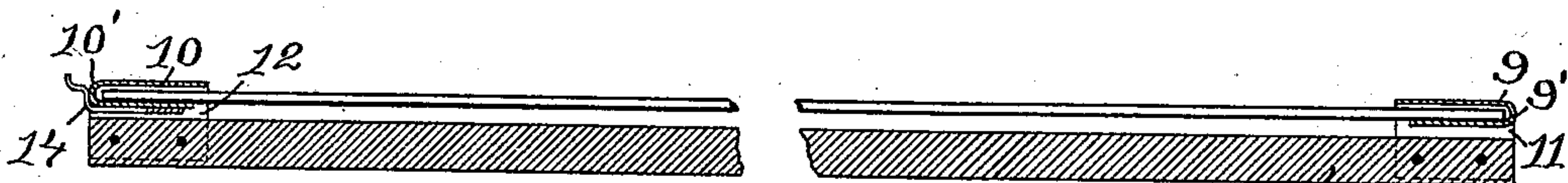


Fig. 2.

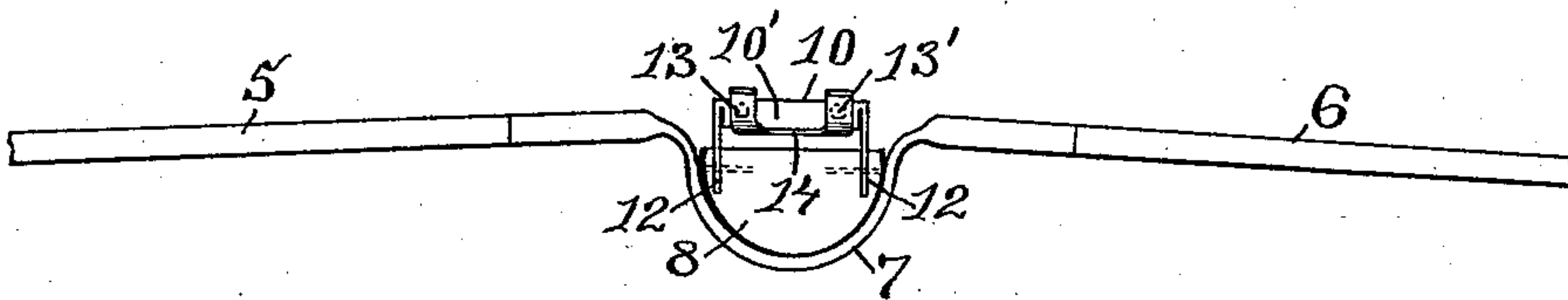


Fig. 3.

WITNESSES:

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UNITED STATES PATENT OFFICE.

WALTER B. ALLEN, OF ATTLEBOROUGH, MASSACHUSETTS.

BINDER.

SPECIFICATION forming part of Letters Patent No. 550,065, dated November 19, 1895.

Application filed May 1, 1895. Serial No. 547,767. (No model.)

To all whom it may concern:

Be it known that I, WALTER B. ALLEN, of Attleborough, in the county of Bristol and State of Massachusetts, have invented certain
5 new and useful Improvements in Binders; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

10 This invention relates to improvements in devices for binding newspapers, magazines, &c.

The object of the invention is to improve the construction of the binder to facilitate the
15 operation of the same.

To this end the invention consists in such peculiar features of construction and combination of parts as are hereinafter more fully described and pointed out in the claims.

20 Figure 1 represents a plan view of the improved binder device with portions of the covers thereof. Fig. 2 represents a longitudinal vertical section of the binding device removed from the covers. Fig. 3 represents an
25 end view of the binder with its covers.

Similar numbers of reference designate corresponding parts throughout.

In the drawings, 5 and 6 represent the covers for protecting the papers when bound together, and 7 is the concave back to which the covers are hinged. Within the concave back 7 is secured a base 8, formed generally of wood, but which can be of any suitable material. This base extends for the full length
35 of the back, or for nearly the length of the same, and to the ends of the base are secured the transverse guides 9 and 10, having closed ends 9' and 10', each respectively secured to said base by its side plates 11 11 or 12 12,
40 which serve to support the guides at a distance from the upper surface of the base. In the end 10' of the bracket 10 are formed the perforations 13 or 13', shown in dotted lines in Fig. 3, these being closed by a spring-
45 plate 14 secured to the guide and having portions covering the perforations. They may, however, be closed in any other manner. In the guides 9 and 10 are secured the ends of the binder-wires 15, 16, 17, and 18, of which
50 any number may be used.

When binding papers, &c., by this device, the spring-plate 14 is first depressed and one or more of the binders is removed from the guides through one of the perforations 13 or 13'. The paper is then placed between the
55 guides and is spread open, the binder-wire then being reinserted and passing between two of the leaves of the paper, the ends of the binder-wire being held in the guides 9 and 10. 60

Where the binder is used for serial publications, of which but a few are required to be bound together and the oldest removed from the binder when the latest number is added, the facilities of this binder are particularly
65 valuable. Supposing the wires 15, 16, 17, and 18 each have a number of the publication mounted on it, the earliest number would be on the wire 18. The user now wishing to add a later number without removing all the
70 numbers from the binder, and desiring that this latest number should occupy its proper position with relation to the companion numbers, removes the wire 18, on which the earliest or oldest number is bound. By pressing
75 down the spring 14, or otherwise opening the perforation 13', the numbers of the publication contained in the binder, with their wires 15, 16, and 17, are now moved backward or
80 along the guide, the new number is placed in the position previously occupied by that on the wire 15, and the wire 18 is inserted through the perforation 13 and engages the new number as it had previously engaged
85 the old number, but in a new location with respect to the companion numbers. It is evident that this process may be reversed where it is desired to insert a number into the back of the binder.

Having thus described my invention, I
90 claim as new and desire to secure by Letters Patent—

1. In a binder, the combination with a base, of a pair of guides each comprising a bottom, a top, closed ends and a closed side
95 and forming a transverse guide, one of said guides being furnished with an opening in its closed side, and binder-wires transversely movable in the guides.

2. The combination, in a binder, with the 100

base 8, the transverse guides 9 and 10 secured
to the base, the guide 10 having the perfora-
tions 13 and 13', and suitable means for clos-
ing said perforations, of the binder-wires se-
cured in the guides, and adapted to be in-
5 inserted in said guides or withdrawn therefrom
through one of said perforations as and for
the purpose described.

In witness whereof I have hereunto set my
hand.

WALTER B. ALLEN.

Witnesses:

JOSEPH A. MILLER, Jr.,
M. F. BLIGH.