(No Model.) 2 Sheets—Sheet 1.

J. G. BAST.

RENEWABLE MEMORANDUM BOOK.

No. 409,383. Patented Aug. 20, 1889.

Fig. 5.

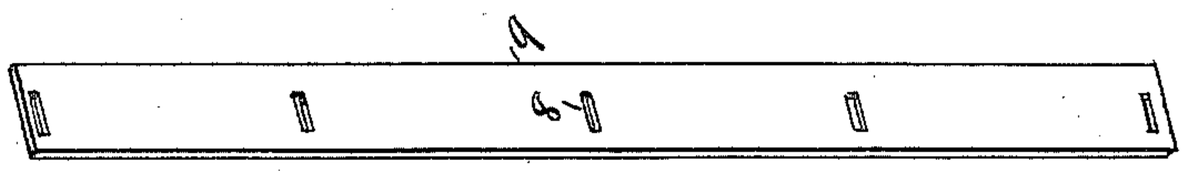

Fig. 4.

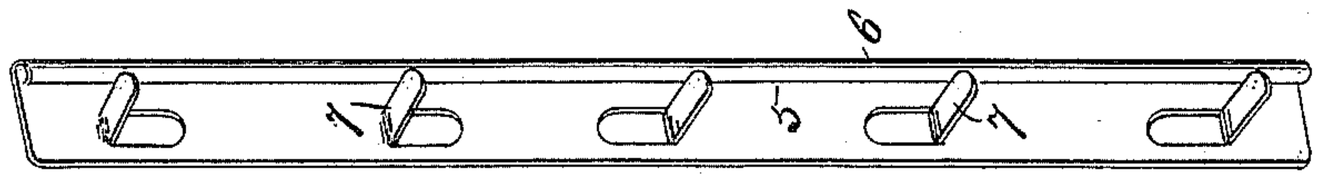

Fig. 3.

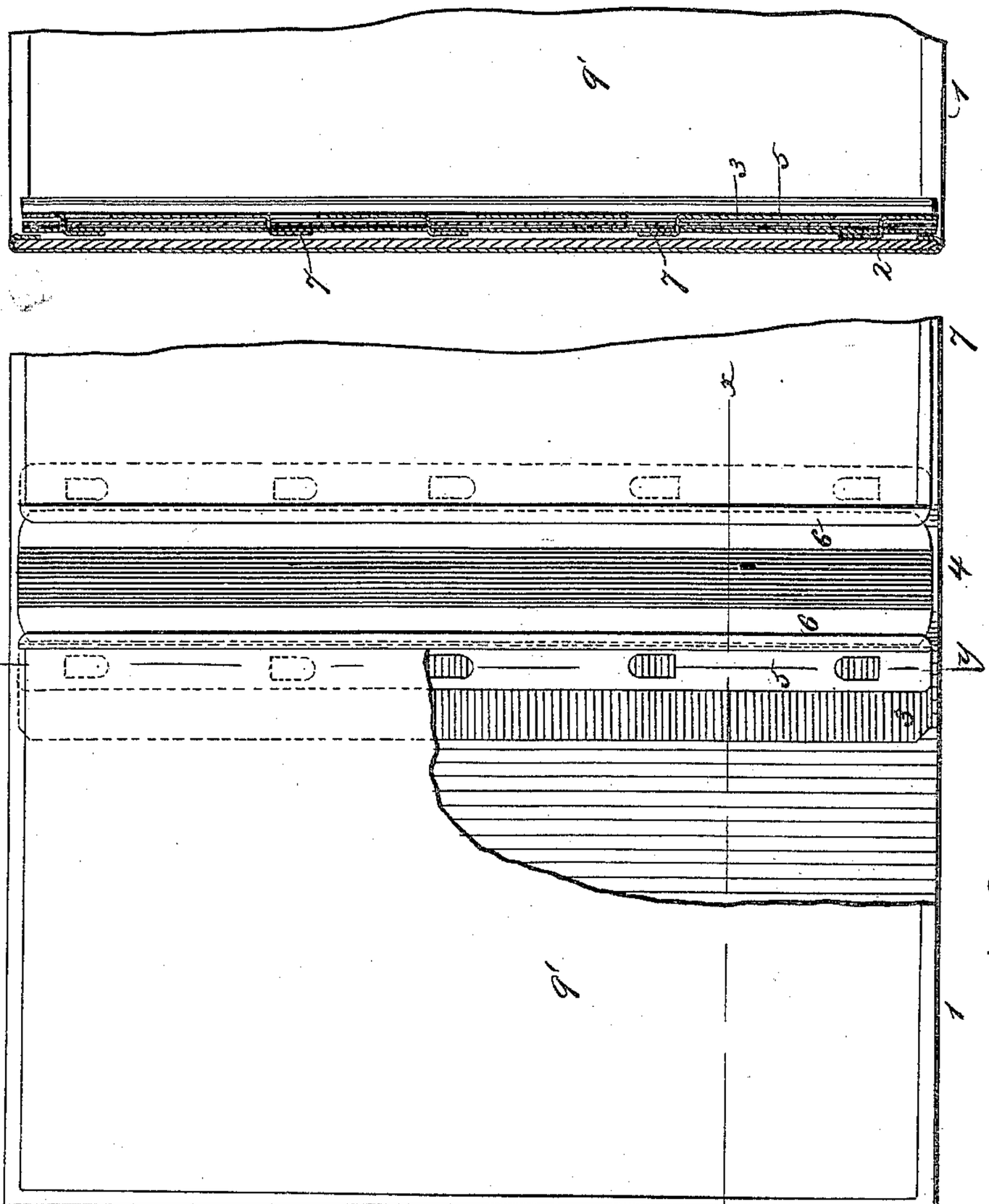

Fig. 6.

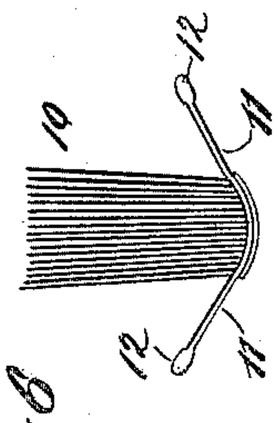

Fig. 2.

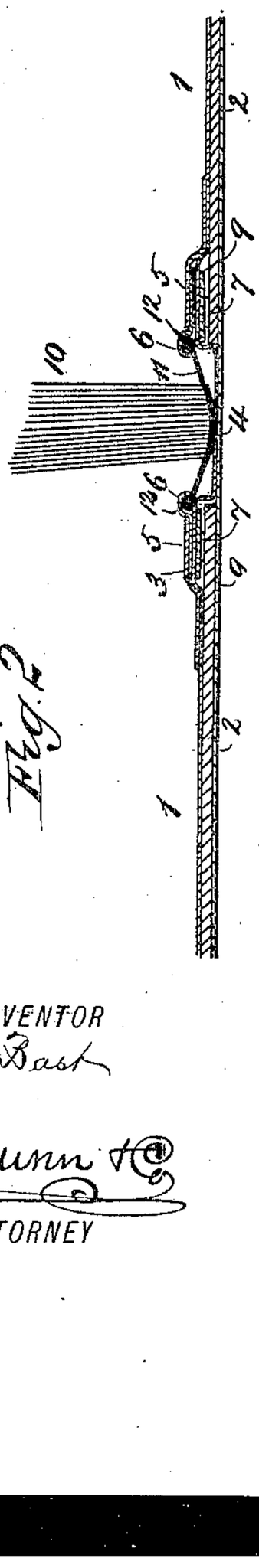

Fig. 1.

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(No Model.) 2 Sheets—Sheet 2.

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Fig. 10

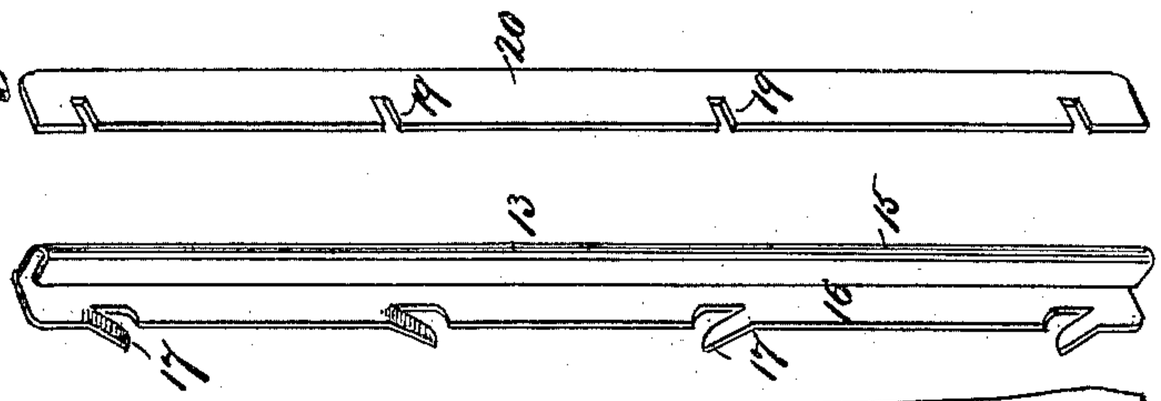

Fig. 11

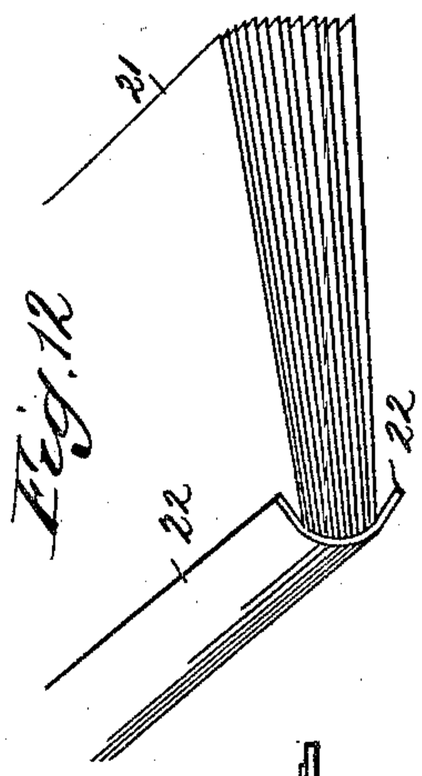

Fig. 9

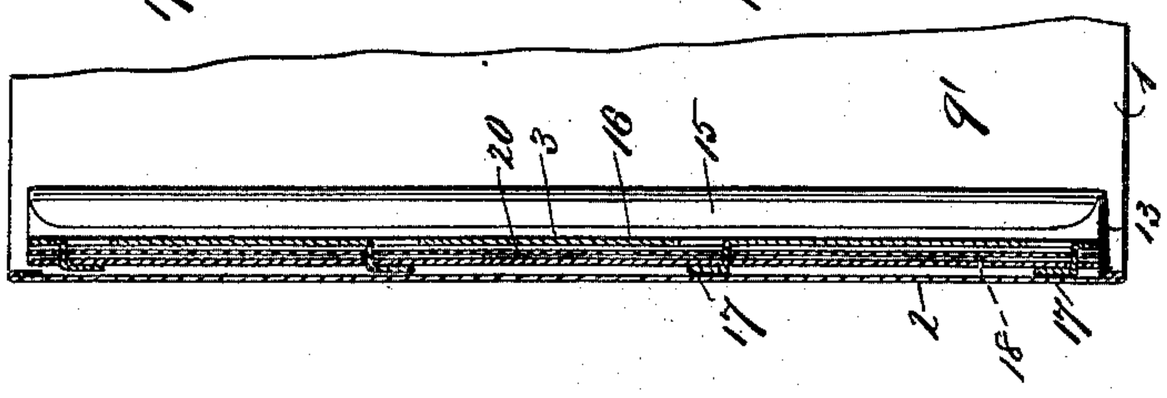

Fig. 12

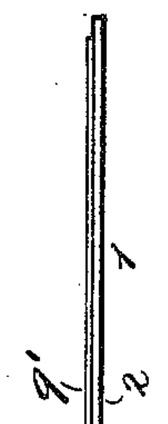

Fig. 7

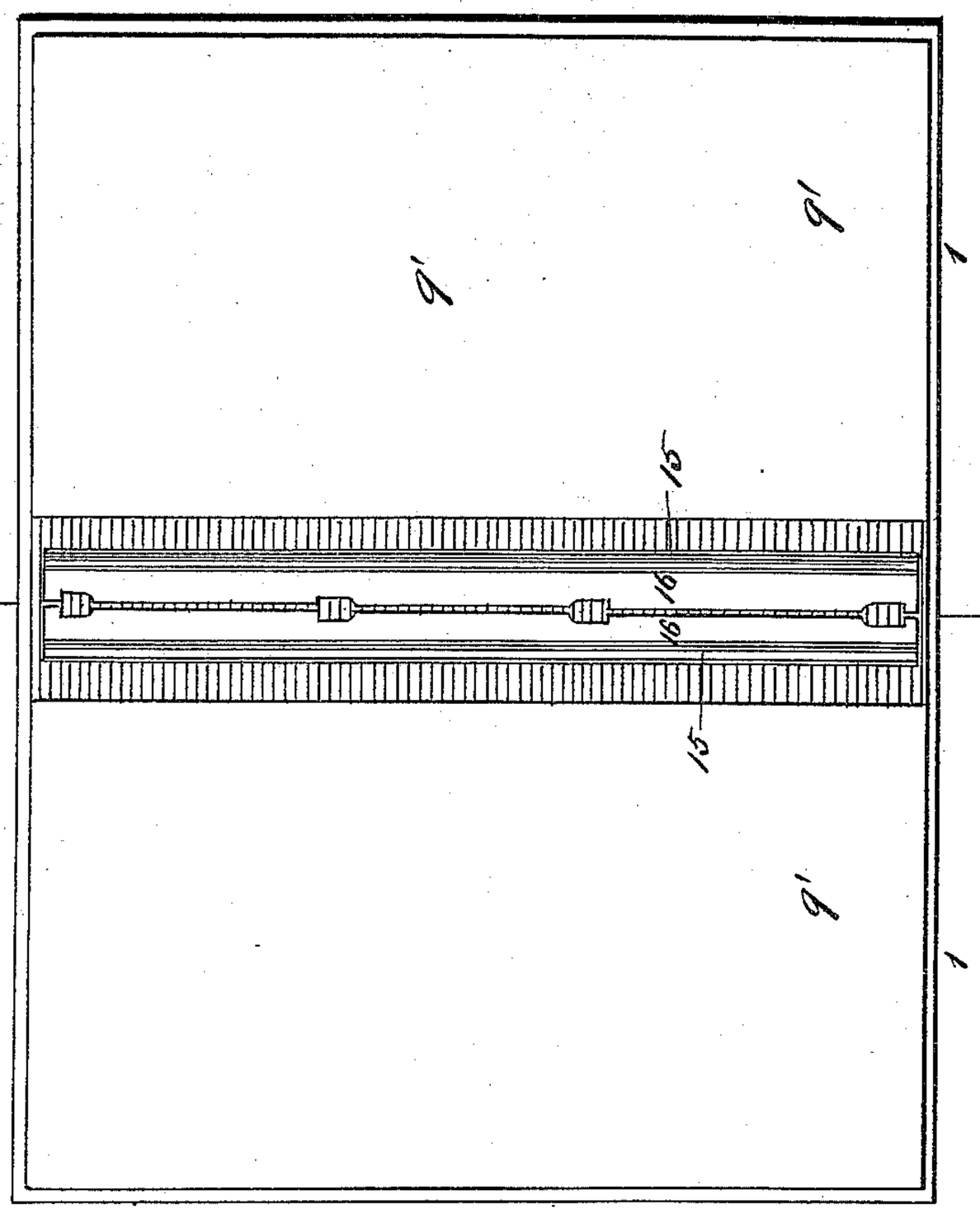

Fig. 8

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UNITED STATES PATENT OFFICE.

JOHANN G. BAST, OF BROOKLYN, NEW YORK.

RENEWABLE MEMORANDUM-BOOK.

SPECIFICATION forming part of Letters Patent No. 409,383, dated August 20, 1889.

Application filed February 26, 1889. Serial No. 301,172. (No model.)

To all whom it may concern:

Be it known that I, JOHANN G. BAST, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Renewable Memorandum-Book, of which the following is a full, clear, and exact description.

This invention relates to that class of memorandum-books which are provided with detachable covers, and has for its object to provide a memorandum-book of this kind so constructed that the covers may be readily attached or detached and the book opened as wide as need be.

The invention consists in a renewable memorandum-book with detachable covers, constructed and arranged as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a view of a memorandum-book constructed in accordance with this invention, showing the covers broken away. Fig. 2 is a transverse section thereof on the line $x\ x$, Fig. 1. Fig. 3 is a vertical section on the line $y\ y$, Fig. 1. Fig. 4 is a detail view of one of the metallic strips with which the book is detachably engaged, and Fig. 5 is a detail view of a metallic strip for fastening the strip in Fig. 4 to a cover. Fig. 6 is an end view of a book with leaves broken away and covers detached, showing the strips for securing the book to the covers. Fig. 7 is a view of a pair of covers with book detached, showing a modification of the means for detaching the book. Fig. 8 is an end view thereof. Fig. 9 is a vertical section on the line $z\ z$, Fig. 7. Fig. 10 is a detail view of one of the metallic strips in Fig. 7, with which the book is detachably engaged. Fig. 11 is a detail view of a metallic strip for fastening the strip in Fig. 10 to a cover. Fig. 12 is a perspective view of the end of a book with covers detached, showing a modified form of means for attaching the book to the covers.

In carrying out this invention a pair of metallic strips equal in length to the covers of the book are employed, secured thereto in any suitable manner adjacent to the flexible connection uniting the covers, and formed with an inwardly-bent flange constituting a groove adapted to receive and retain one of the strips or flanges on the back of the book.

Referring to Figs. 1, 2, and 3, the detachable covers of pasteboard or other suitable material are indicated by 1, flexibly connected together by means of the proper kind of covering 2, pasted on the outside of the covers of memorandum-books, and the lining-strip of strong fabric 3, pasted to the inside of covers 1, the flexible connection being indicated by the portion 4.

At the inner edges of the covers 1 are located metallic strips 5, equal in length to the covers 1 and formed on one edge with the inturned flange 6. The strips 5 are preferably secured to the covers by means of lips 7, cut out of the strip 5, passed through slits in the lining-strip 3 and through slits 8 in a metallic strip 9, placed beneath the lining-strip 3 under strip 5, and bent under the strip 9. By this means the strips 5 are firmly attached to the inner edges of the covers 1 adjacent to the flexible connecting portion 4. The strips 5 are concealed by the usual paper lining 9′, pasted on the inside of covers 1.

10 indicates the detachable book having its back provided with the lateral flanges or strips 11, of flexible material—such as stout paper—and with the back of the book about equaling in width the flexible connecting portion 4. By this means the book 10 is detachably engaged with the covers 1 by sliding the edges of the flanges or strips 11 endwise within the grooves formed by the inturned flanges 6. The edges of the strips 11 are formed with a bead or enlargement 12 to fit snugly and be retained within the inturned flanges 6.

It will be seen that by means of the construction hereinbefore described the book may be readily attached to and detached from the covers and may be opened as wide as desired.

In Figs. 7, 8, 9, 10, 11, and 12 is shown a modification of the invention, constructed as follows: Two metallic strips 13 are employed, formed with a vertical portion 14, having a downwardly-extending and inturned flange 15 and a horizontal portion 16, provided with

lips 17 cut out of the same. The horizontal portions 16 of the strips 13 are formed slightly curved to conform to the curved back of the book. The strips 13 are located with their horizontal portions 16 lying against the inside of the flexible connection 4 and their edges close together, so that the strips 13 form a trough or groove adapted to receive the back of the book.

The strips 13 may be secured in place by any suitable means, and, as here shown, by the lips 17 passing through slits in the lining-strip 18, through slits or notches 19 in the edge of metallic strips 20, located between strip 18 and outside covering 2, and bent beneath the strips 20.

21 indicates the book having its back provided with the lateral strips or flanges 22, without any ribs or enlargements on the edges.

In this modified form of construction above described the back of the book in engaging the latter with the covers is slid endwise into the trough formed by the strips 13, the flanges or strips being bent up and sliding into the grooves formed by the downwardly-turned flanges 15. In opening the book 21 the strips 13 will rock on the flexible lining-strip 18, and the book may be opened as wide as desired.

The invention broadly includes a pair of metallic strips secured in any suitable manner to the edges of the covers of a book adjacent to or located at the flexible fabric connecting the covers and having retaining-grooves into which the flanges on the back of a detachable book of leaves may be slid endwise and detachably held.

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

1. A book of leaves secured together with lateral flanges or securing-strips on the back of the leaves where they are secured together, in combination with detachable covers having their rear vertical edges connected together by flexible material, and metallic strips independently secured to the detachable covers at their joint formed by the flexible material and having inturned edges forming grooves adapted to engage and retain lateral flanges on the back of the leaves and permit their insertion and removal endwise, substantially as shown and described.

2. In a book, substantially as described, having lateral retaining-flanges at the back of the leaves, a pair of detachable covers connected together at their rear vertical edges by flexible material, and metallic strips independently secured to the covers at their joint formed by the flexible material and having inturned flanged edges forming retaining-grooves to receive endwise and retain the flanges on the back of a book of leaves, substantially as described.

3. In a book having detachable covers, the detachable covers 1, connected together at their rear vertical edges by a flexible connection 4, with the metallic strips 20, having slots 19 and extending along the rear vertical edges of covers 1, the flexible lining-strip 3, pasted thereto and to the covers, and the metallic retaining-strips 13, with the vertical portion 14, having the inturned flanges 15, forming retaining-grooves for the flanges on the book of leaves, and the horizontal portions 16, extending lengthwise over the flexible lining-strip 3 and having lips 17 passing through the latter and through the slots 19 in strips 20, and secured to the latter, substantially as shown and described.

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Witnesses:
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EDW. S. HUNTER.