T. AMLIE.

ATTACHMENT FOR NOTEBOOKS.

APPLICATION FILED JAN. 29, 1919.

1,371,459.

Patented Mar. 15, 1921.

Fig. 1.

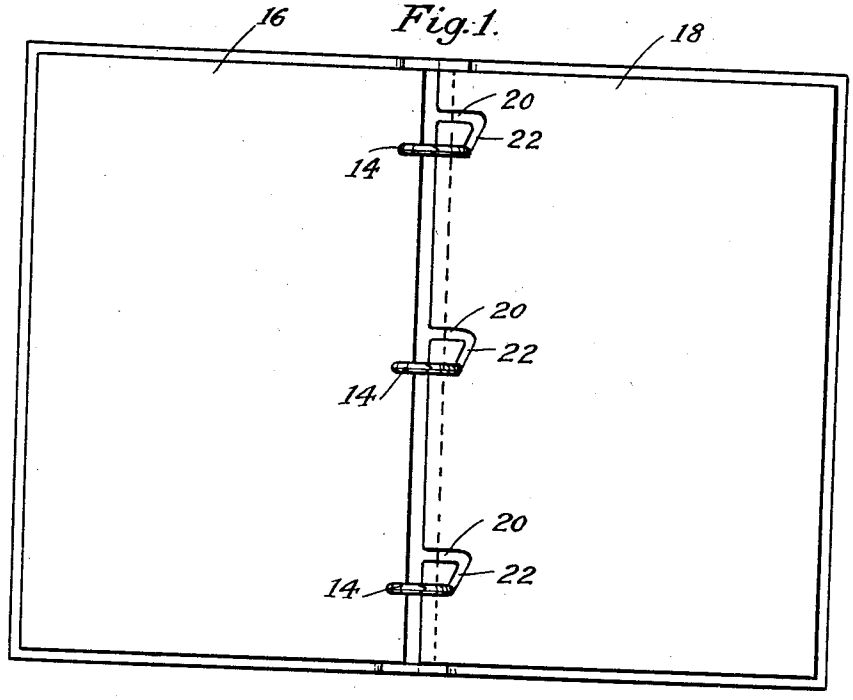


Fig. 2.

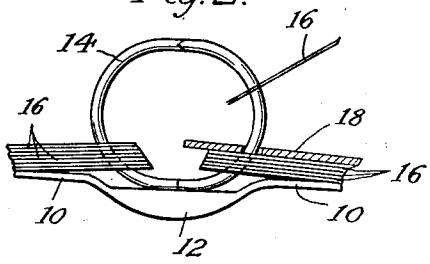


Fig. 3.

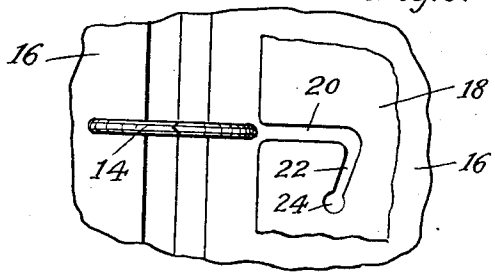
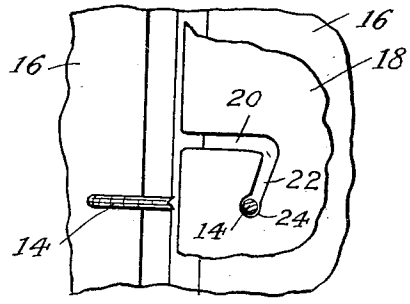


Fig. 4



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ATTACHMENT FOR NOTEBOOKS.

1,371,459. Specification of Letters Patent. Patented Mar. 15, 1921.

Application filed January 29, 1919. Serial No. 273,867.

To all whom it may concern:

Be it known that I, THOMAS AMLIE, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Attachments for Notebooks, of which the following is a specification.

My invention relates to attachments for note books and similar books. The object is to provide an attachment which may be detachably held in place underneath the particular leaf that is being written upon and which may be readily removed and placed underneath succeeding leaves when the writing on one leaf is completed. The object in particular is to provide an attachment in the form of a sheet having the size of the leaves of the book and which is of an unyielding nature so that each leaf, while it is being written upon, is backed up more firmly than would otherwise be the case. Another object is to provide a sheet of this character which is sufficiently rigid to prevent the book from being crumpled up particularly when it is provided with flexible covers. My attachment is intended for use in connection with leaves which are to be written upon and which are removably held in book form so that fresh leaves may be added from time to time as desired.

The full objects and advantages of my invention will appear in connection with the detailed description thereof and the novel features embodied in my inventive idea will be particularly pointed out in the claims.

Referring to the accompanying drawings,—

Figure 1 is a top plan view. Fig. 2 is a cross sectional view. Fig. 3 is a detail view showing the position of the slots in the attachments prior to insertion of the rings. Fig. 4 is a detail view showing the position of the slots after the insertion of the rings therein.

In the drawings 10 designates the covers of a book, to the back 12 of which are secured rings 14 which may be opened and closed in the usual manner to receive and hold loose leaves 16 provided with perforations properly spaced to have the rings passed therethrough when the rings are in open position. The attachment which constitutes my invention consists of a sheet 18 provided with slots formed or cut in the edge of the sheet in the following manner: The slots consist of a portion 20 extending at right angles to an edge of the sheet, and a portion 22 inclined toward this edge and preferably terminating in a slightly enlarged end 24 having a diameter somewhat larger than the diameter of the rings 14. The positioning of the end portions 24 corresponds to the positioning of the perforations in the leaves. It will be apparent, therefore, as shown in Fig. 1 that the portions 20 of the slots are offset toward one end of the sheet 18. This sheet is made of material such as celluloid having a smooth surface and made of sufficient thickness to be substantially unyielding so as to back up each leaf as it is being written upon.

The operation and advantages of my invention will be obvious from the foregoing description. In use the sheet 18 is placed so that the portions 20 of the slots are adjacent the rings 14 as shown in Fig. 3. The sheet is then moved so that the portions 20 and 22 pass along the ring until the latter is located in the terminal portions 24, as shown in Fig. 4. In performing this operation the sheet 18 first moves directly toward the back portion of the book and then moves in an inclined direction until it is in position to be directly superposed upon that leaf of the book which is underneath the leaf to be written upon. The latter leaf is then brought down from the position shown in Fig. 2 until it lies directly upon the sheet. This operation is repeated each time that the writing upon a leaf is finished and in case both sides of the leaf are to be written upon, the sheet may be placed at either the right or left hand side of the book, as desired. On account of the particular formation of the slots in the sheet including the inclined portions 22 and the enlarged end portions 24 it is apparent that the sheet will be held in proper position except when force is applied thereto in order to remove it from the rings. On account of the stiffness of the sheet 18 the book is prevented from being crumpled, especially when it has flexible covers.

I claim:

1. An attachment for note books and similar books comprising a sheet of substantially unyielding material, and means for detachably holding said sheet in place in the book

whereby said sheet may be placed underneath each leaf of the book when it is being written upon, said means including slots having portions extending at right angles to an edge of said sheet and portions which are inclined to said edge.

2. An attachment for note books and similar books having loose leaves held by rings attached to the back of the book comprising a sheet of substantially unyielding material, and means for detachably holding said sheet to the rings, said means including slots having portions extending at right angles to an edge of said sheet, portions which are inclined to said edge and terminal portions having a diameter slightly greater than the diameter of the rings.

In testimony whereof I hereunto affix my signature.

THOMAS AMLIE.