Oct. 2, 1923. 1,469,748

E. A. P. WOLF

LOOSE LEAF BINDER AND FILLER THEREFOR

Filed May 5, 1922 2 Sheets-Sheet 1

Fig. 1.

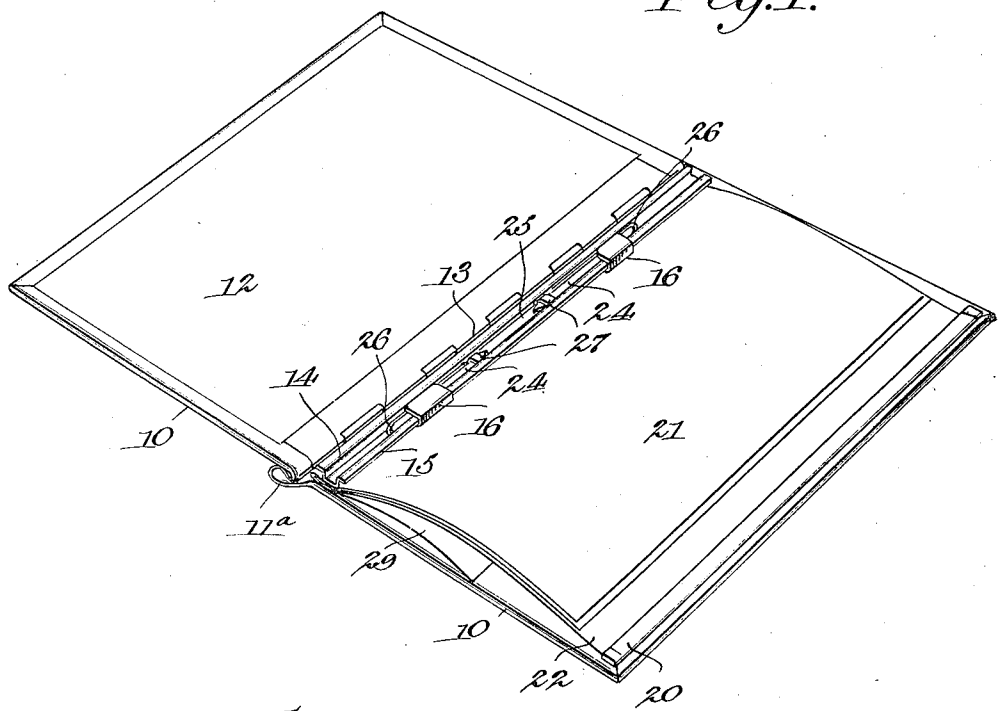


Fig. 3.

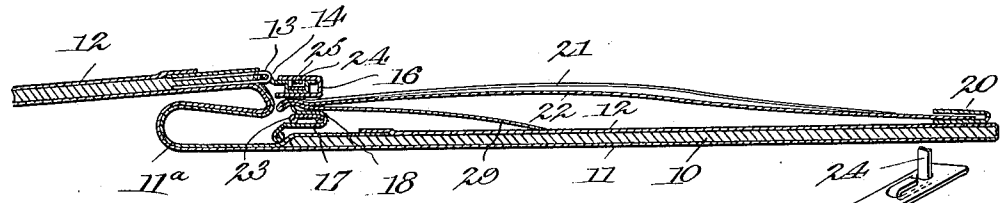
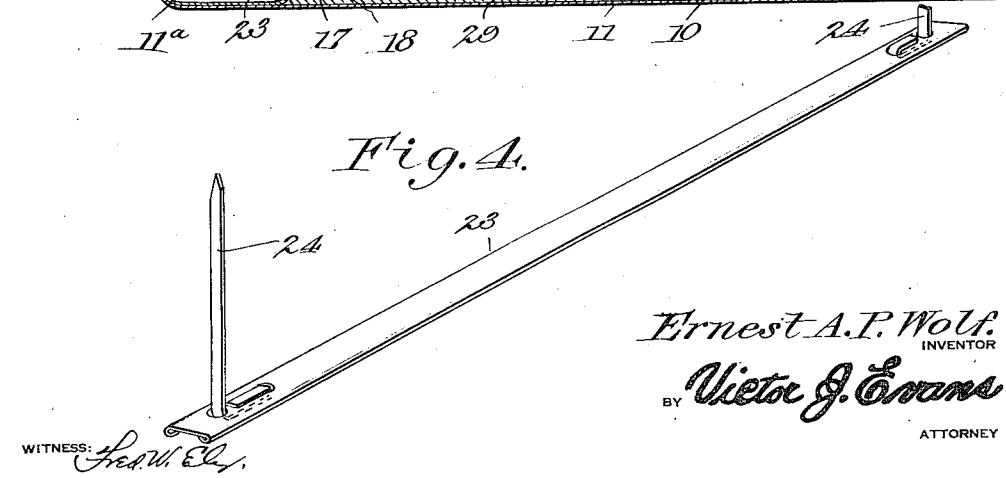


Fig. 4.



Ernest A. P. Wolf.
INVENTOR

BY Victor J. Evans
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WITNESS: Fred. W. Ely.

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Fig. 2.

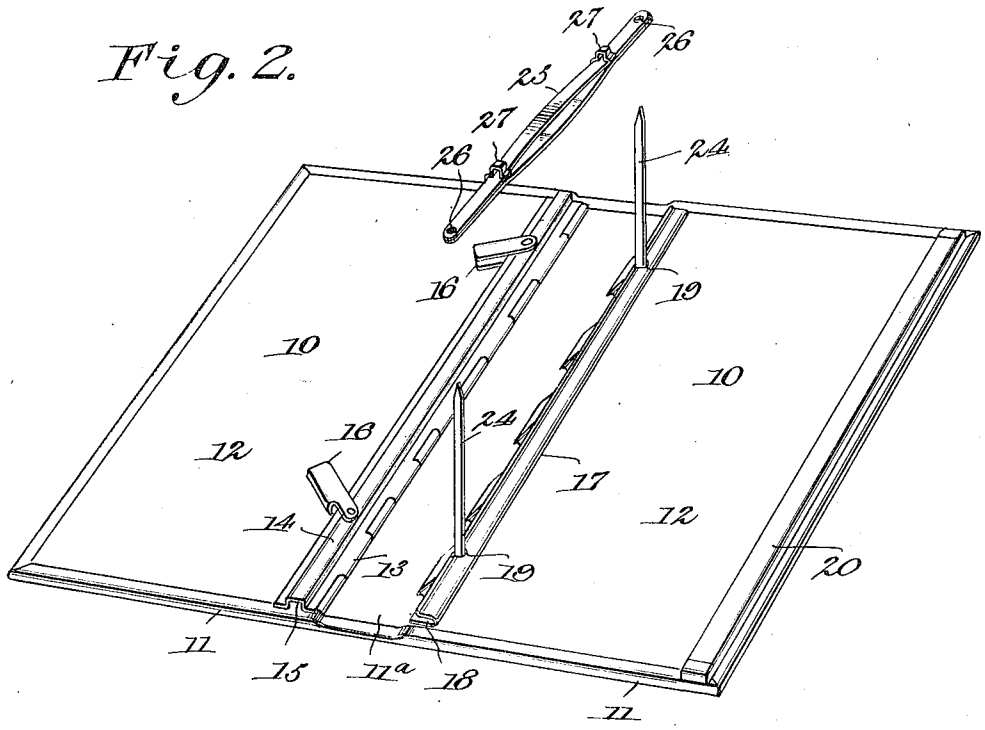
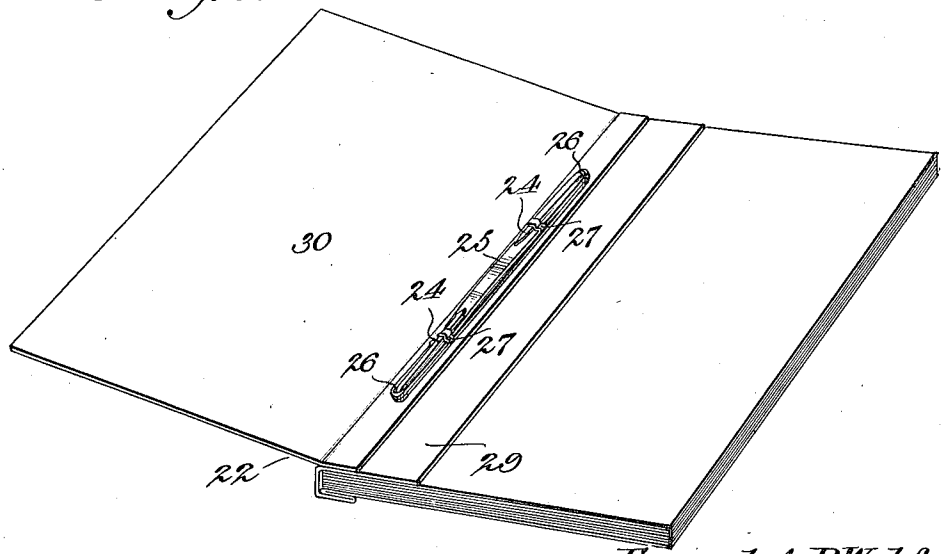


Fig. 5.



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Patented Oct. 2, 1923. 1,469,748

UNITED STATES PATENT OFFICE.

ERNEST A. P. WOLF, OF NEW YORK, N. Y.

LOOSE-LEAF BINDER AND FILLER THEREFOR.

Application filed May 5, 1922. Serial No. 558,592.

To all whom it may concern:

Be it known that I, ERNEST A. P. WOLF, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Loose-Leaf Binders and Fillers Therefor, of which the following is a specification.

This invention relates to loose leaf binders and fillers therefor, and one of the principal objects is to produce a binder in which the fly-strips shall be so connected to the covers that they may not easily be torn off.

Another object is to produce a device of this nature having a metallic fly strip.

Another object is to produce a filler which may be self binding for the purpose of filing away the contents after the binder proper is filled.

Another object is to produce a binder and filler of simple construction, cheap to manufacture, and efficient in operation.

With these and other objects in view, the invention resides in certain novel construction and combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claims, and are illustrated in the accompanying drawing, in which:—

Figure 1 is a perspective view of my improved binder and filler.

Figure 2 is a perspective view of my improved binder and filler showing the several parts in somewhat disconnected position, parts being broken away for the sake of clearness.

Figure 3 is a transverse sectional view of the same.

Figure 4 is a detail view of the filler holding device.

Figure 5 is a perspective view of the filler per se.

Like characters of reference refer to like parts in all views.

Referring to the drawing in detail, 10 represents the boards of the covers, and 11 the outside covering which may be of fabric or other desired material and is extended across both boards 10 and an intervening space for the back as is usual, the edges being folded inside and pasted down and finished by the usual sheet 12.

It has heretofore been common to form fly strips by making folds in a piece of fabric extending from one board to the other across the back of the binder, but these have proved unsatisfactory as they may easily be torn off, and offer no great amount of reinforcement to the back. The present fly strips are of metal and are constructed as follows:—

Each of the fly strips comprises a U-shaped hinge member 13 which straddles the rear edge of the board and is secured thereto by punching or extruding some portion into the board. The front fly strip is indicated at 14 and is hingedly connected to its respective member 13. The member 14 is provided with a longitudinal channel 15 to which may be pivotally secured clips 16. The rear member or fly strip is indicated at 17 and is hingedly secured to its respective member 13 and is doubled upon itself as at 18 the upper fold being formed with notches 19.

A strip of fabric 11ª passes from board to board across the inside of the back and between the elements 13 and the elements 14 and 17, being slotted to permit passage of the hinge pin or wire.

A small pocket 20 is secured to the free edge of the rear member 12 and is used for a purpose presently to be described.

The filler comprises any desired number of sheets of paper indicated at 21 to the rear of which is secured a cover sheet 22. A metal strip 23 has secured at each end a flexible metal tongue 24, said tongues passing through respective punchings in the member 22 and the paper 21. A pair of metal strips 25 are secured together at their ends by eyelets 26 and one of the metal strips 25 has slidably mounted on it a pair of slides 27. The free ends of members 24 are extended up through respective eyelets 26 and are bent to lie flat along the members 25, the slides being pressed over the ends of members 24 to hold them in this position. When the filler is placed in the cover member 23 it is positioned between the folds 18 with the members 24 extending upwardly through the notches 19. The member 25 is removed and the ends of the members 24 are placed upwardly through the pivot eyelets of the clasps or clips 16. The members 25 are now threaded over the flexible tongues 24 and the latter are bent to place and then the clips 16 are moved home so as to hold the elements 25 and 24 firmly in the channel

15. When the filler is to be removed to be filed away or stored, the same is removed from the binder and an element 29 which is normally folded in rear of the member 22 is now folded around the back of the papers 21 and the ends of members 24 are threaded through punchings in the member 29. A cover sheet 30 is then threaded on the members 24, and members 25 are again placed in position on the members 24, members 24 are bent parallel with members 25, and slides 27 are moved to hold the members 24 in their adjusted position.

While the filler is in the binder proper, the back sheet 22 is slipped into the pocket 20 giving a neat finish and holding the element 29 down and concealed.

While I have described what I deem to be the most desirable embodiment of my invention, it is obvious that many of the details may be varied without in any way departing from the spirit of my invention, and I therefore do not limit myself to the exact details of construction herein set forth nor to anything less than the whole of my invention limited only by the appended claims.

What is claimed as new is:—

1. A device of the class described comprising a pair of cover boards, a folded fly strip secured to one of said boards, a channel strip secured to the other of said boards, a filler, a strip removably mounted in the said folded fly strip, a plurality of flexible tongues secured to said removably mounted strip, a pair of strips secured together and removably secured in said channel strip, and slide clips on one of said pair of strips and co-operative with said tongues.

2. A filler including a rear cover sheet formed with a portion normally lying parallel with the paper of the filler and movable to a position to form a back for binding.

3. A filler including a rear cover sheet formed with a portion normally lying parallel with the paper of the filler and movable to a position to form a back for binding, and a paper clip for holding said cover sheet in either position.

In testimony whereof I have affixed my signature.

ERNEST A. P. WOLF.