

V. MUNGER.
FILE WRAPPER.
APPLICATION FILED FEB. 9, 1912.

1,067,540.

Patented July 15, 1913.

Fig. 1.

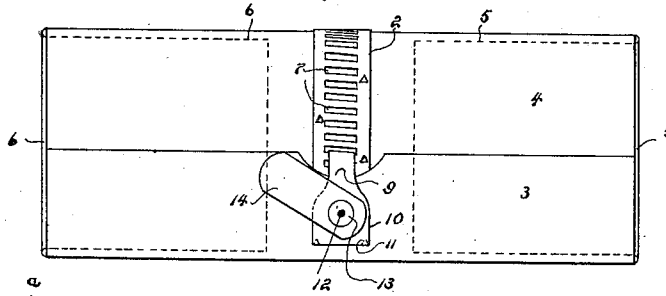


Fig. 2.

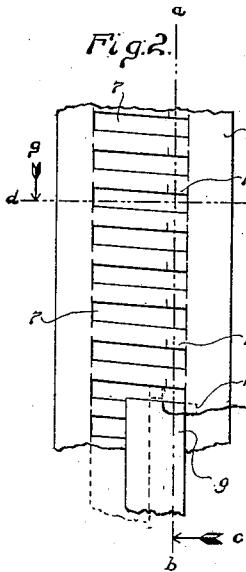


Fig. 3.

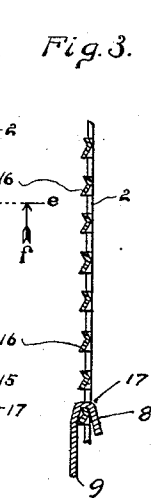


Fig. 4.



Fig. 5.



Fig. 6.

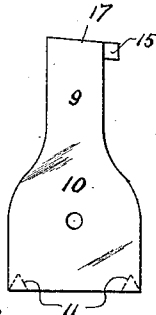
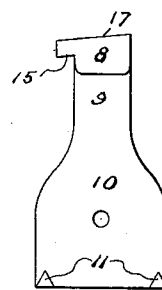


Fig. 7.



Witnesses
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UNITED STATES PATENT OFFICE.

VERRENICE MUNGER, OF ANSONIA, CONNECTICUT.

FILE-WRAPPER.

1,067,540.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, VERRENICE MUNGER, a citizen of the United States, residing at Ansonia, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in File-Wrappers; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Figure 1 a plan view of a file-wrapper provided with a clasp constructed in accordance with my invention. Fig. 2 a broken plan view of the flexible metal band and the hook which co-acts with it, the band and hook being shown on an enlarged scale. Fig. 3 a view of the strap in longitudinal section on the line *a—b* of Fig. 2, looking in the direction of the arrow *c*. Fig. 4 a view of the band in transverse section on the line *d—e* of Fig. 2, looking in the direction of the arrow *f*. Fig. 5 a corresponding view looking in the direction of the arrow *g*. Fig. 6 a detached plan view of the hook. Fig. 7 a reverse plan view thereof.

My invention relates to an improvement in clasps for that class of file-wrappers or file-holders which are made of tough heavy paper and which are adapted to expand, as it were, as the file grows larger and larger by the gradual accumulation of the "papers in the case"; the object of my present invention being to produce a simple and convenient clasp constructed with particular reference to being positively locked every time the wrapper is closed, so that the same will not, in handling, fly open and release the papers contained in it.

With these ends in view my invention consists in a file-wrapper having certain details of construction and combinations of parts as will be hereinafter described and pointed out in the claim.

In carrying out my invention, I employ a sheet-metal band 2 made of stock light enough to conform to the flexings of the paper used in making the file proper which may be of any approved construction, and which comprises, as herein shown, an outer body-flap 3, an inner body-flap 4, and end-flaps 5 and 6 which latter are folded under the said body-flaps 3 and 4 as indicated by broken lines in Fig. 1. The said band 2

is secured midway the length of and at a right angle to the inner body-flap 4 by means of teeth or prongs struck out from its sides and ends and thrust through the said flap and bent down upon the inner face thereof in the usual manner. Or the band 2 might be secured to the flap in some other way, this being a detail of construction with which my present invention is not concerned. The said band 2 is formed with a series of slots 7 uniformly spaced with regard to each other, and as shown, slightly inclined from left to right so as to stand at an angle of a little less than 90° with respect to the longitudinal axis of the band.

The lower wall of each slot 7 is set forward as shown in Fig. 5 to adapt it to be the more readily engaged by the bill 8 of a sheet-metal hook formed at one end of a plate 10 secured by prongs 11 to the outer body-flap 3 of the file-wrapper in position to stand in line with the band 2. The said plate 10 is also secured in place by a rivet 12 and washer 13 which provide for the attachment of a flexible tab 14 of leather or tape by means of which the outer flap 3 is drawn tight over the inner flap 4 and the papers in the file compressed at the same time that the bill 8 of the hook is entered in one of the slots 7 of the band 2. The hook aforesaid is narrower than the plate 10 and comprises the bill 8, base 9 and bight 17 which latter is the bend uniting the bill 8 and base 9 of the hook. The tab 14 also provides for moving the bill 8 of the hook laterally with respect to the slots 7 which are for this purpose made longer than the width of any portion of the hook proper. In order to lock the hook in any one of the several slots 7, I provide its bill 8 upon its right hand edge, as shown in Figs. 6 and 7, with a laterally projecting locking-lug for co-action with abutments 16 formed by setting outward the right hand end of the upper wall of each slot 7 as shown in Fig. 4. I also call attention to the fact that the bight 17 of the hook is pitched with respect to the longitudinal axis of the hook at an angle corresponding to the pitch of the slots 7.

In closing the file, the bill 8 of the hook is entered into the left hand end of one of the slots 7 after the papers in the file have been compressed by a draft placed upon the flap 3 by means of the tab 14 which is then used to throw the hook from right to left,

whereby its lug 15 will be entered under the left hand end wall of the slot. The hook will now be coupled with the band 2 with the left hand corner of the bight 17 of the hook in opposition to the abutment 16 at the left hand end of the slot. The said abutment 16 now stands guard, as it were, over the hook which it prevents from being disengaged from the slot in case the locking-lug 15 offsetting from the bill 8 of the hook, works out from under the end wall of the slot due to any cause tending to push the hook from left to right. Should the hook work from left to right so as to disengage the locking-lug 15 from the adjacent end wall of the slot, the abutment 16 will then stand guard over the locking-lug 15 and thus guard against the disengagement of the hook from the said band. In case the tab 14 is not used and the hook is hooked into one of the slots 7 without being thrown laterally as described, the locking-lug 15 will then in its first position be located opposite the abutment 16 which will stand guard, as it were, over the hook and prevent the disengagement thereof from the band. It is not essential that the slots 7 be inclined, or that the bight 17 be bent on an incline, since the hand of the user of the file may be

relied upon to throw the hook from left to right, and right to left in the slots 7. However I prefer to incline the slots 7 and the bight 17 of the hook so as to make the action of my improved device more certain and more largely automatic.

I claim:—

In a file-wrapper fastener, the combination with a sheet-metal band formed with a series of transversely arranged slots each furnished at one end of its rear wall with an out-standing abutment; of a sheet-metal hook narrower than the length of the said slots for lateral movement therein and comprising a base, a bight and a bill, which latter is formed upon one of its edges with a laterally offset locking-lug adapted to enter under the end wall of any slot at the end which is provided with said abutment, and also to co-act together with the bight of the hook to prevent casual disengagement of the fastener.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

VERRENICE MUNGER.

Witnesses:

CLARA L. WEED,
GEORGE D. SEYMOUR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."