

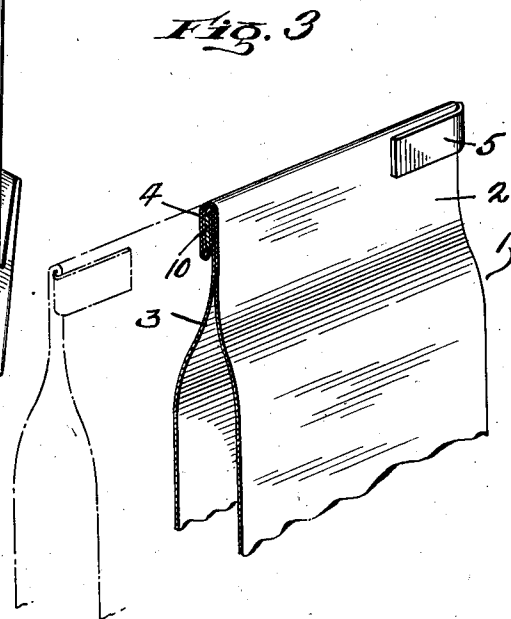
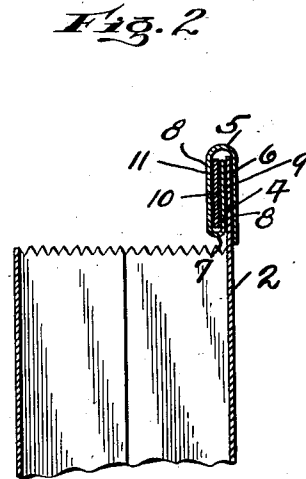
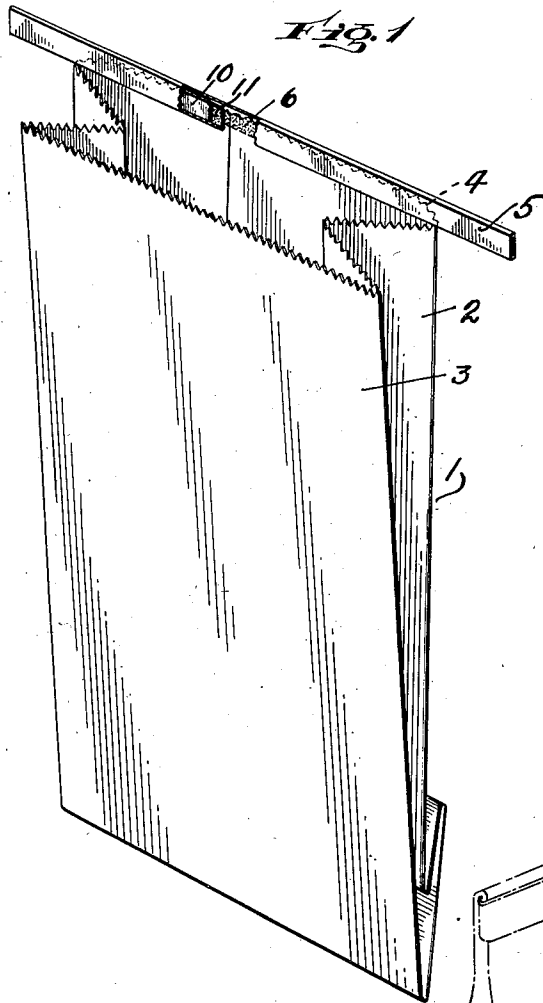
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A. POTDEVIN

2,018,228

CONTAINER AND CLOSURE THEREFOR

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UNITED STATES PATENT OFFICE

2,018,228

CONTAINER AND CLOSURE THEREFOR

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Application November 9, 1934, Serial No. 752,238

6 Claims. (Cl. 229—65)

This invention relates to an improvement in what is known in the trade as tin ties for envelopes, wrappers, bags and the like, and has for one of its objects the provision of an improved construction wherein a metal strip is permanently attached in novel fashion to the closing end of the envelope, wrapper, bag, etc., this strip being employed for closing and sealing such containers, as will be brought out hereinafter.

A further object of the invention is the provision of a construction in which the metal tying or fastening strip is so secured to the closing end of the container that the edge of the closing wall is reenforced by the attachment of this strip in the manufacture of the container.

In the drawing accompanying this application: Fig. 1 is a view in part section of an embodiment of my invention;

Fig. 2 is a fragmentary view in section showing the present invention as applied to a bag.

Fig. 3 is a view in part section of a finished bag embodying the present invention with the top of the bag in closed position.

Referring to the drawing in detail, 1 designates a container made of paper or other suitable material and to which my invention has been applied. It is to be appreciated that a single ply pleated bag has been shown merely for purposes of illustration, my invention being equally applicable to multi-ply bags and to bags without side plates, as well as to other containers such as wrappers, envelopes, etc.

As will be seen from the drawing, the container wall 2 is longer than the wall 3 so as to provide a projecting flap 4 at the closing end of the bag to which the tying strip of the present invention is adhesively secured or fastened.

5 designates an elongated strip of non-metallic material which, if desired, may be of the same material as the main portion of the container, this strip of material which ordinarily forms a protection for the metal strip is folded over the end of the container flap 4, the inner face of that portion of the non-metallic strip 5 which lies adjacent the outer face of the projecting flap 4 being adhesively secured thereto by adhesive 6. The expression "adhesive" is intended to cover paste, glue, cement or other suitable materials.

The inner or remaining portion of the non-metallic strip 5 is folded back upon itself as indicated at 7 so as to provide two walls or two plies 8, the outer surface of the ply 8 and which lies adjacent the inner face of the flap 4 being adhesively secured thereto by adhesive 9. The elongated strip 5, it will be seen from the draw-

ing, extends an appreciable distance beyond each side edge of the flap 4. A thin metal strip 10 such as tin is embraced by the strip 5, lying between the two walls or plies 8 thereof formed by folding the non-metallic strip back upon itself, this metal strip being attached to the non-metallic strip by adhesive 11. The metal strip 10 is of the same length as the non-metallic strip 5, and is enclosed thereby to provide a structure as illustrated in Fig. 1 so that in closing and sealing the container the flap 4 is bent forward along the bottom of the strip 5 over upon the face of the container wall 3 and the projecting ends of the strips 5 and 10 bent backward or rearwardly upon the wall 2 thereby to lock the container closed.

It will be appreciated that by applying the strips 5 and 10 to the flap 4 in the manner above described, I have provided an improved structure over prior constructions in which it is customary to employ a narrow metal strip at the closing end of the container stapled to the container wall, or a narrow metal strip or wire with a rather long projecting paper flap for adhesively securing the same to one side only of the article.

What I claim is:—

1. As an article of manufacture, a paper covered metal tying strip for closing a container, the paper covering for the tying strip being folded over the end of a flap on the container and adhesively secured to both faces of the flap, the tying strip projecting beyond both edges of said flap.

2. As an article of manufacture, a non-metallic strip folded over the end of a projecting container flap and embracing a metal strip, the non-metallic strip being adhesively secured to both faces of the projecting container flap.

3. As an article of manufacture, a container one wall of which is longer than the opposite wall to provide a flap at the closing end of the container, a metal strip lying along one face of said flap and projecting beyond the side edges thereof, and a non-metallic strip folded over the end of said flap and embracing the metal strip, the metal strip being adhesively secured to the non-metallic strip, and the latter being adhesively secured to both faces of the container flap.

4. As an article of manufacture, a container one wall of which is longer than the opposite wall to provide a flap at the closing end of the container, a metal strip lying along the inner face of said flap and projecting beyond the side

edges thereof, and a non-metallic strip folded over the end of said flap and embracing the metal strip, the metal strip being adhesively secured to the non-metallic strip, and the latter being adhesively secured to both faces of the container flap.

5 As an article of manufacture, a container one wall of which is longer than the opposite wall to provide a flap at the closing end of the container, a non-metallic strip folded over the end of the flap, a portion of the inner face of this strip being adhesively secured to one face of the container flap, that portion of the strip lying along the inner face of the flap being folded about and adhesively secured to a metal strip,

and having its outer face adhesively secured to the other face of the container flap.

6 As an article of manufacture, an enclosed metal tie strip fastened to a container one wall of which is longer than the opposite wall to provide a flap at the closing end of the container, the metal-enclosing strip being pasted to one face of said flap, said metal-enclosing strip being folded over the flap and back upon itself to provide a double thickness at the other face of the flap to which it is pasted, the metal tie strip lying within or being embraced by said folded-back portion of the paper strip to which it is adhesively secured.

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CERTIFICATE OF CORRECTION.

Patent No. 2,018,228.

October 22, 1935.

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It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 1, first column, line 31, for "plates" read pleats; and second column, line 30, claim 1, for "typing" read tying; and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 19th day of November, A. D. 1935.

(Seal)

Leslie Frazer
Acting Commissioner of Patents.