No. 667,375. Patented Feb. 5, 1901.

F. M. TURCK.

FASTENER FOR BAGS OR ENVELOPS.

(Application filed July 19, 1900.)

(No Model.)

Fig. 1.

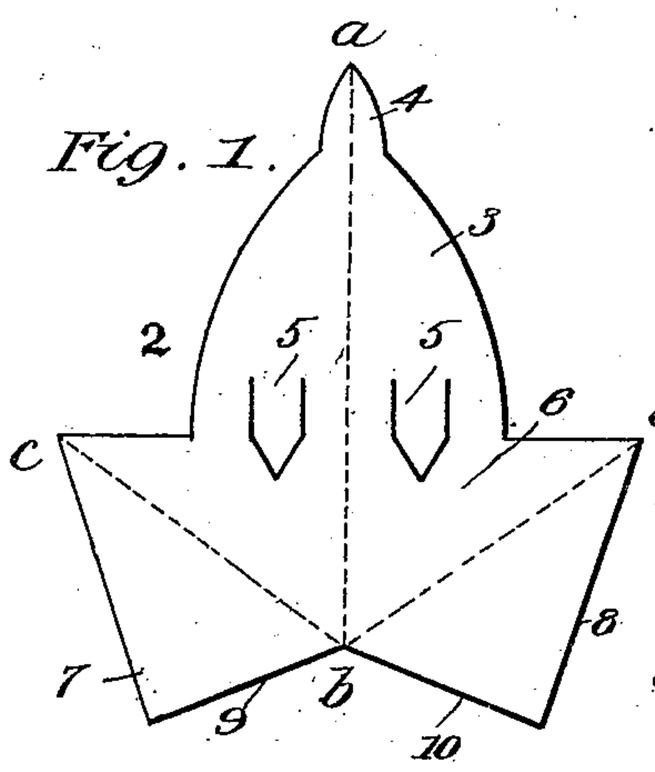


Fig. 3.

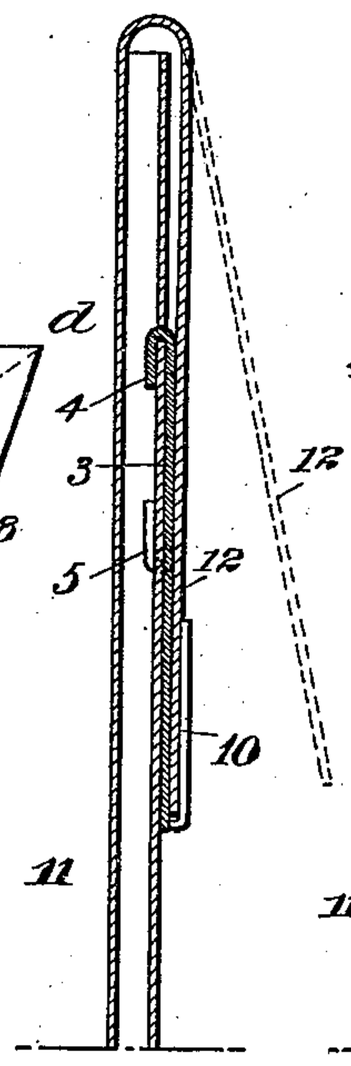


Fig. 4.

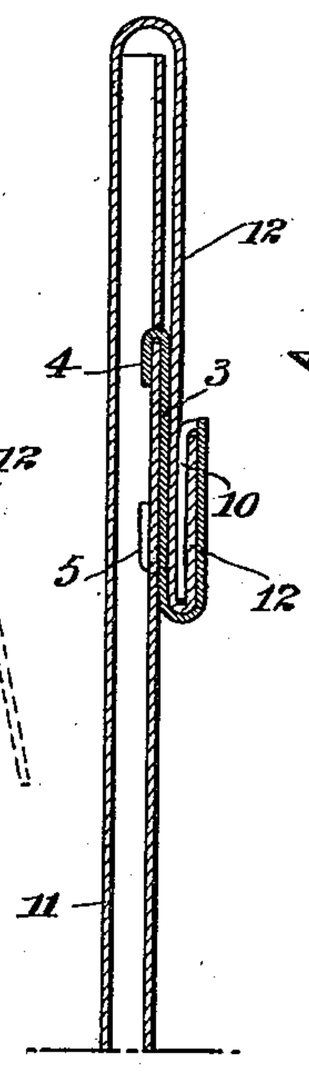


Fig. 2.

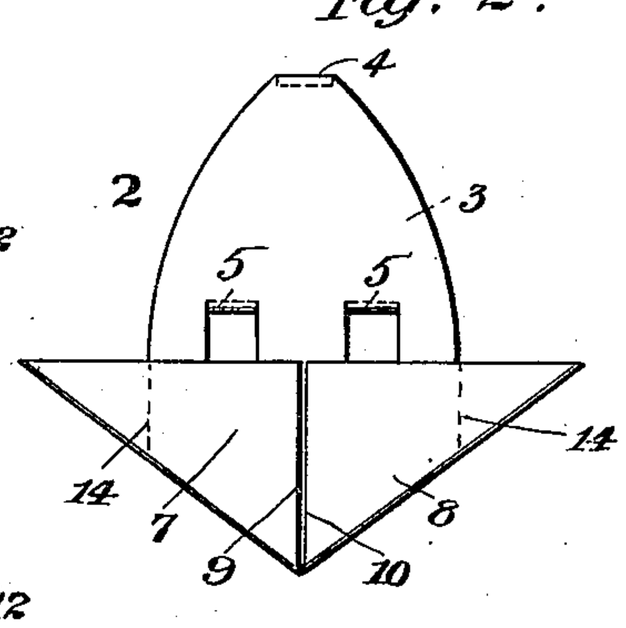


Fig. 5.

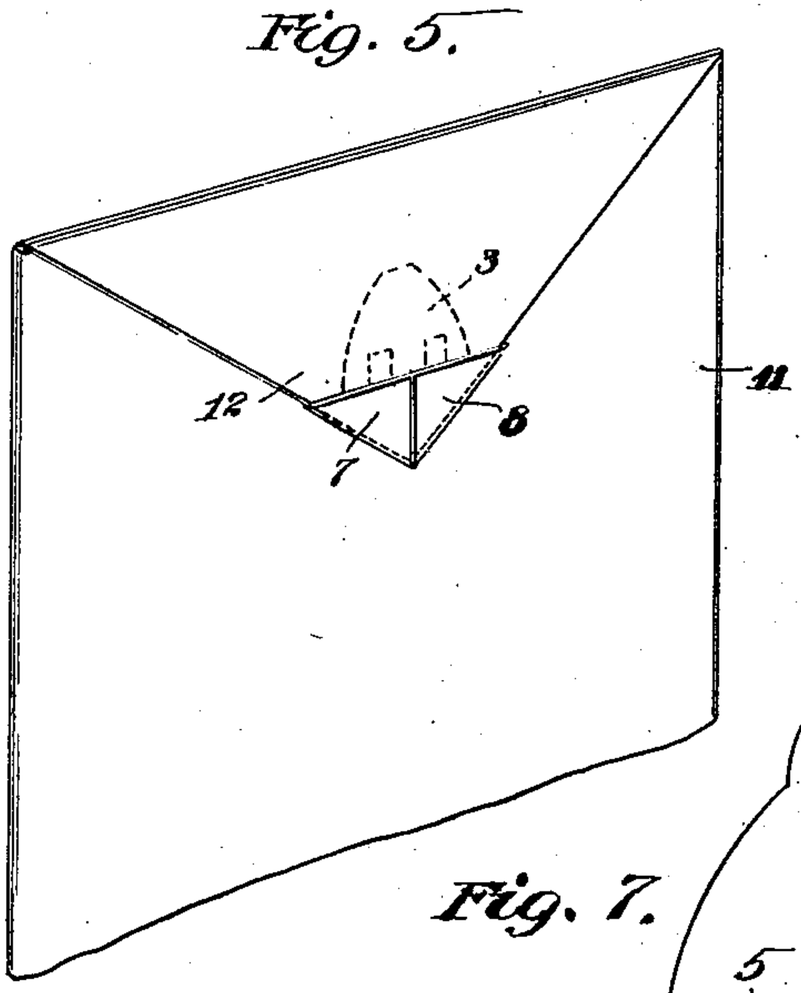


Fig. 6.

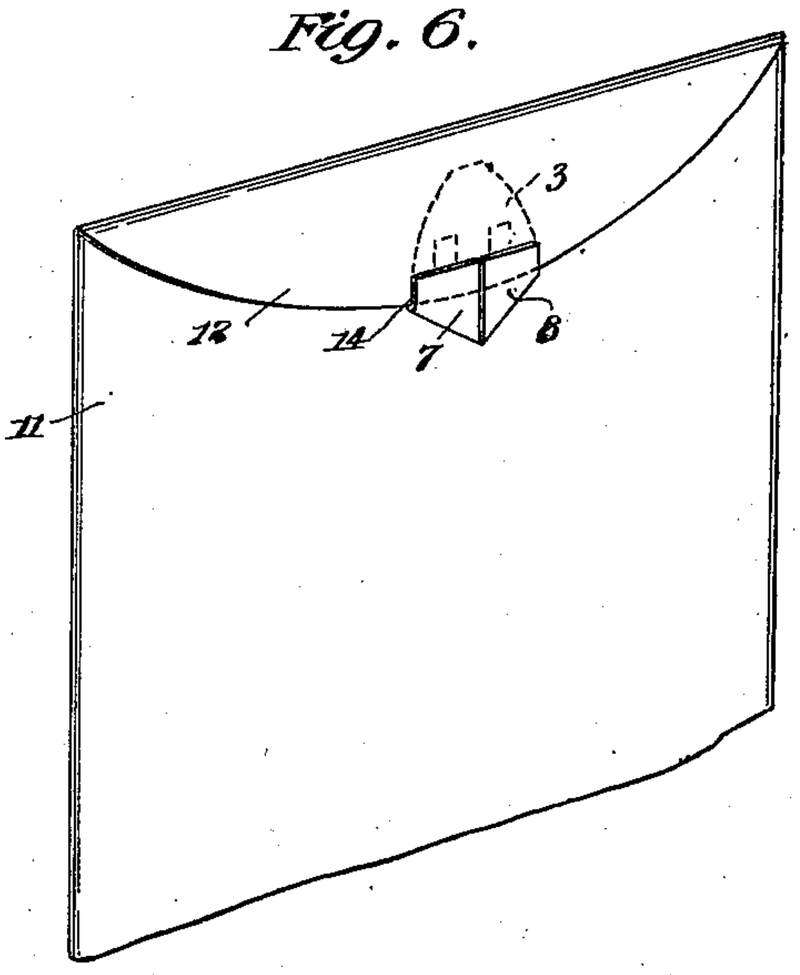
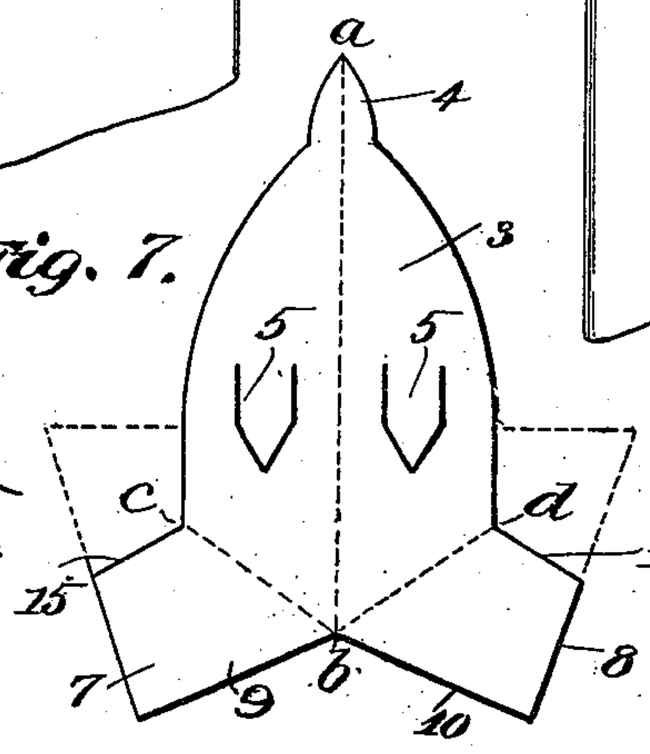


Fig. 7.



WITNESSES:

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Samuel M. Chesnut.

INVENTOR

Frederick M. Turck

BY

Dyrenforth & Dyrenforth

ATTORNEYS

UNITED STATES PATENT OFFICE.

FREDERICK M. TURCK, OF NEW YORK, N. Y., ASSIGNOR TO JOSEPH M. PRICE, OF SAME PLACE.

FASTENER FOR BAGS OR ENVELOPS.

SPECIFICATION forming part of Letters Patent No. 667,375, dated February 5, 1901.

Application filed July 19, 1900. Serial No. 24,134. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK M. TURCK, a citizen of the United States, residing at New York city, borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Fasteners for Bags or Envelops, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a fastener for detachably securing in closed position the free end of the flap of a bag or envelop.

The principal objects of the invention are to provide a simple form of fastener that will securely retain the flap in locked position and which at the same time may be readily opened to release the flap to reduce the weight and cheapen the cost of the class of fastener to which this invention relates.

To these ends my invention consists in the various novel and peculiar arrangements and combinations of the several parts of the device, all as hereinafter fully described and then pointed out in the claims.

I have illustrated types of my invention in the accompanying drawings, wherein—

Figure 1 is a view of a flat blank out of which the fastener is constructed. Fig. 2 is a front view of a detached fastener made from a blank like that shown in Fig. 1. Fig. 3 is a central vertical sectional view of a bag or envelop having the fastener secured thereto, with the flap of the bag inserted under the retaining projections prior to being bent over upon the fastener to finally lock the flap in place. Fig. 4 is a similar view of Fig. 3, but with the bent retaining projections and the inserted flap bent over into locked position. Fig. 5 is a perspective view of an envelop with the fastener applied thereto and the flap inserted therein ready to be locked by the fastener. Fig. 6 is a similar view to that shown in Fig. 5 of a modified form of fastener. Fig. 7 is a plan view of a blank of the modified form of fastener shown in Fig. 6.

Referring to the drawings, in which like numbers of reference indicate like parts throughout, 2 is a blank of flat flexible metal having sufficient stiffness to retain its shape when bent up, as hereinafter described. This blank is cut so as to provide a suitably-shaped attaching-base 3, having at its upper end a prong 4 and at other suitable points the prongs 5 5, which are preferably punched from the metal, though they may be constructed in any well-known manner. An extension 6 projects downwardly from the base 3 and is provided with two projections 7 and 8, which are designed to be bent over toward each other upon the body of the fastener, so that their adjacent edges 9 and 10 come practically together on the center line *a b* or the line in which the pull on the secured flap is exerted. I prefer to bend the projections 7 and 8 on the lines *b c* and *b d*, respectively, though they may be bent on any other lines that are other than normal to the line of draft *a b*. When the fastener is formed from the blank, it is secured, by means of its attaching-prongs 4 and 5, to the exterior of the back of the envelop or bag 11, below the mouth thereof, so that the pointed or rounded edge of the flap 12 may be readily inserted under the two retaining projections 7 and 8 and the plate then bent over on a transverse line *c d* with the inserted flap, so as to securely lock the flap and prevent its being opened so long as the bent projections 7 and 8 remain themselves bent over upon the body of the fastener.

It will be noted that by bending over the retaining projections 7 and 8 upon a line that is other than normal to the line *a b*, on which the pull on the retained flap is exerted, there is less liability of the fastener being accidentally unfolded or pulled open than where the retaining member is bent over at right angles or normal to the line of draft *a b*, as is the case in the construction shown in Patent No. 491,148, granted to me February 7, 1893, for the same class of device. In the latter case the leverage is exerted directly on the bent retaining member in the same direction as the line of draft, while in the former case the resultant leverage is exerted along a line oblique to such line, and any tendency to unfold or part the projections 7 and 8 causes them to bite the inserted flap all the harder.

I prefer to bend the projections 7 and 8 into such position that they together constitute a V-shaped pocket for receiving the flap, and in order to make the pocket of considerable width I form the lower edge of the blank with an angular notch, the points of which fold at *a*, and I somewhat incline the side edges of the projections 7 8, so that when they are folded over with their edges abutting, as shown in the drawings, a wider pocket is provided than if the lower edge of the blank were left straight.

Where the edge of the flap 12 is but little curved or pointed, I may let the flap deeper into the pocket by cutting the metal a slight distance on both sides on the line on which the projections 7 and 8 are folded; but I prefer to accomplish this same result by clipping off the ends of the V-shaped pocket, as at 14, Fig. 2, and thereby let the flap enter the pocket farther than it would otherwise do, as shown in Fig. 6.

By forming the blank with the notches 15 and 16 the same effect is brought about as where the bent-up parts are clipped off. This also saves material and reduces the weight of the article.

If preferred, instead of attaching the fastener to the bag itself by means of the prongs the fastener may be attached by its prongs to a heavy piece of paper or like material, which being gummed upon the back may be pasted directly to the bag in position for receiving the flap. In fact, there are many ways in which the fastener may be mounted upon the bag, and I do not limit myself to the prongs as such means.

I wish to be understood as not limiting my invention to the exact construction herewith shown, as it is evident that various modifications may be made in the different parts thereof without, however, departing from the spirit of the invention.

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

1. The combination of a bag or envelop provided with a flap, a fastener for the flap comprising a piece of stiff material secured to the bag or envelop and provided with one or more retaining projections bent over upon the body of the fastener on a line other than normal to the line of draft on the flap, and adapted to receive the free end of the flap and to be folded over together with the inserted flap upon the fastener, substantially as and for the purpose set forth.

2. The combination of a bag or envelop provided with a flap, a fastener for the flap comprising a stiff piece of flexible material secured to the bag or envelop and provided with two retaining projections folded over toward each other upon the fastener so as to form together a V-shaped pocket for receiving the free end of the flap and to be folded together with the inserted flap over upon the body of the fastener, substantially as and for the purpose set forth.

3. A blank for a fastener for the flap of a bag or envelop, the same comprising a piece of stiff flexible metal having a portion constituting the attaching-base, such part being provided with prongs for attaching it to the bag or envelop, an extension projecting downwardly from said base and provided with two lateral projections extending in opposite directions and adapted to be folded over upon the extension on lines other than normal to the line of draft on the flap for receiving between them and the extension the free end of the flap, said extension being adapted to be folded over upon the base, substantially as and for the purpose set forth.

4. The combination of a bag or envelop provided with a flap, a fastener for the flap having a V-shaped pocket for receiving the free end of the flap and adapted to be folded over with the inserted flap upon the fastener to lock the flap therein, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of the two subscribing witnesses.

FREDERICK M. TURCK.

Witnesses:
WILLIS FOWLER,
SAMUEL M. CHESTNUT.