W. H. JACOBS.

ARTICLE OF PAPER OR THE LIKE.

APPLICATION FILED JUNE 12, 1914.

1,197,127.

Patented Sept. 5, 1916.

2 SHEETS—SHEET 1.

Fig. 1.

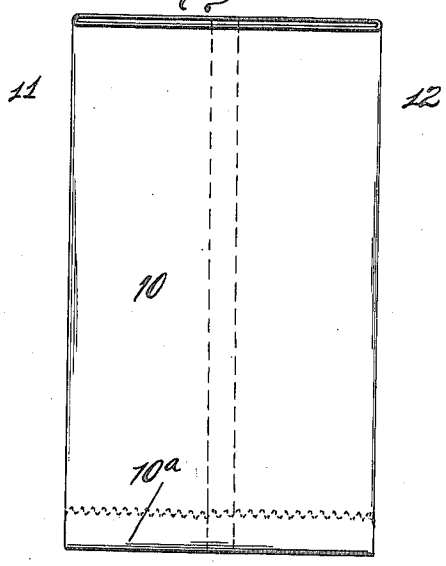
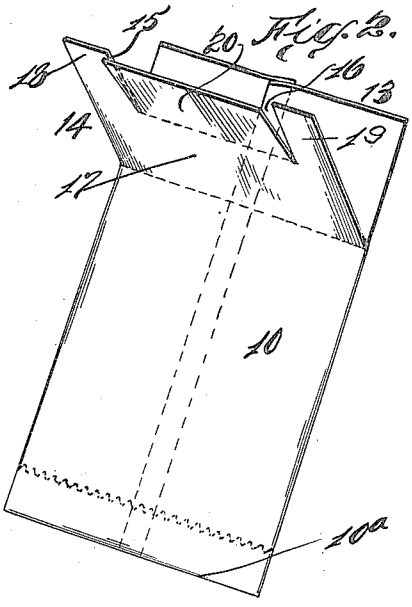


Fig. 2.



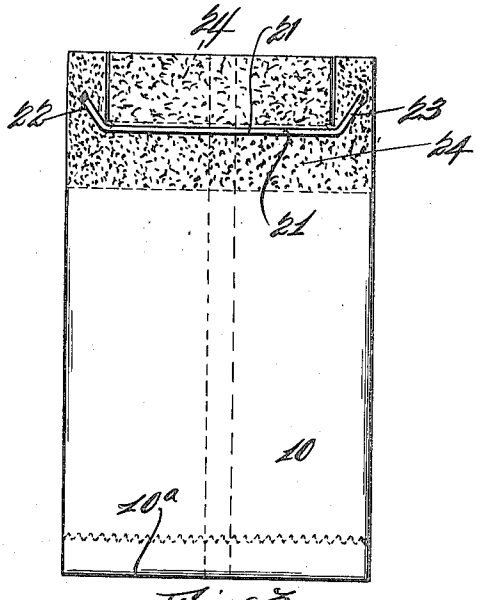


Fig. 3.

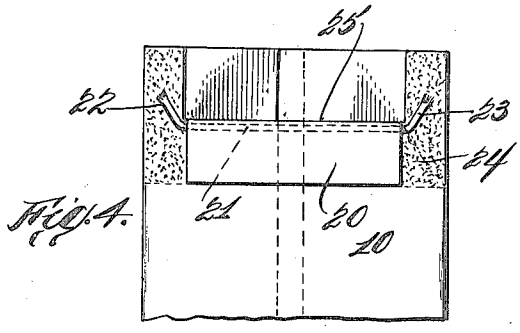


Fig. 4.

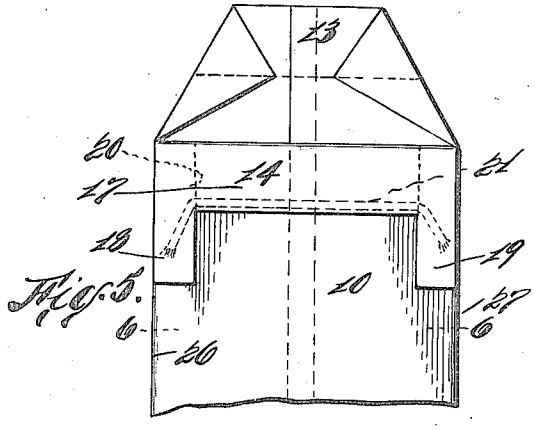


Fig. 5.

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2 SHEETS—SHEET 2.

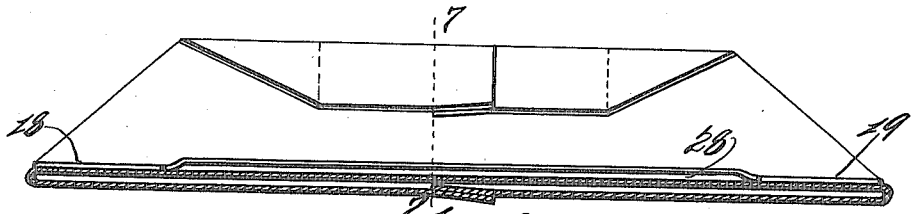


Fig. 6.

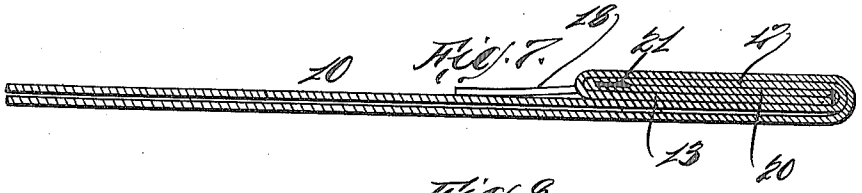
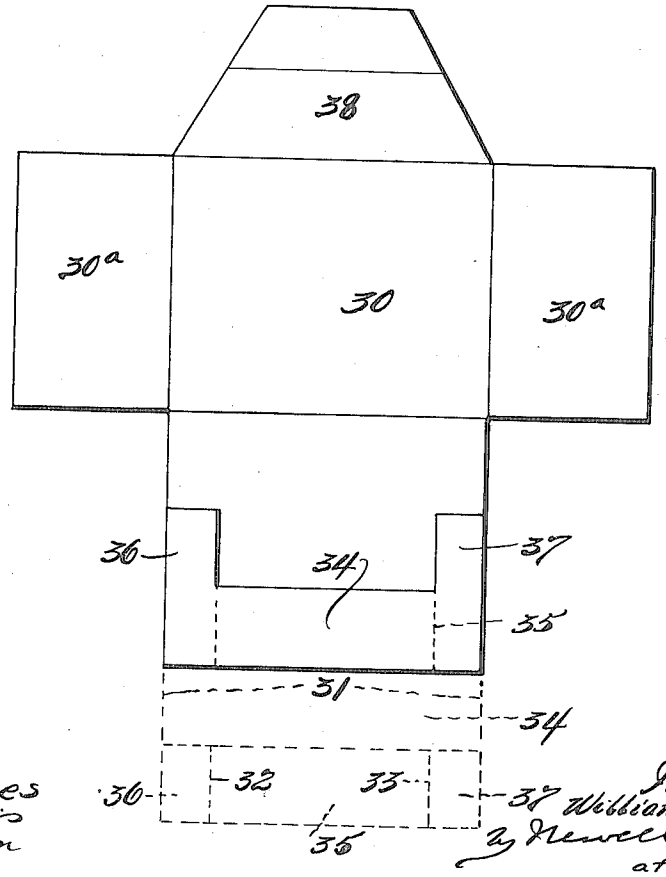


Fig. 7.

Fig. 8.



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UNITED STATES PATENT OFFICE.

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ARTICLE OF PAPER OR THE LIKE.

1,197,127. Specification of Letters Patent. Patented Sept. 5, 1916.

Application filed June 12, 1914. Serial No. 844,619.

To all whom it may concern:

Be it known that I, WILLIAM H. JACOBS, a citizen of the United States, residing at New York, borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Articles of Paper or the like, of which the following is a clear, full, and exact description.

This invention relates to improvements in articles made of paper or similar material, and more particularly relates to an improved envelop, bag or mailing wrapper.

One of the objects of the invention is to provide means for reinforcing the edge of the pocket opening of such articles.

Another object is to provide an article of the class mentioned which can be made in an ordinary paper bag machine from a straight sheet without any extensions laterally of said sheet which are necessitated by the usual construction of the pocket ends of such articles.

Further objects of the invention are to provide a simple, practical and efficient article of the class mentioned.

These being among the objects of the present invention, the same consists of certain features of construction and combinations of parts as applied to the article and the blank from which the article is made, to be hereinafter described and then claimed with reference to the accompanying drawings illustrating suitable embodiments of the invention, and in which drawings—

Figure 1 is a plan view of a bag suitable to be made under the present invention; Fig. 2 is a perspective view of a bag incised in accordance with the present invention; Fig. 3 is a plan view of the bag shown in Fig. 2 on which is indicated an applied piece of reinforcing material and paste for the bag; Fig. 4 is a fragmentary view of the parts shown in Fig. 3 in which the turned-under part for the pocket is shown as pasted down; Fig. 5 is a view similar to Fig. 4 in which the transverse portion of the pocket is shown as pasted down together with its lateral wings or ears, to form a complete article; Fig. 6 is an enlarged transverse section on the line 6—6 Fig. 5; Fig. 7 is a section on the line 7—7 Fig. 6; and Fig. 8 is a view of a modification, in which the invention is shown as applied to a mailing wrapper.

Referring to Fig. 1, a flattened tube 10 is shown which may be made in an ordinary bag machine and is composed of paper or other suitable material. The bottom 10^a of the bag may be closed before the other end of the bag is formed, in accordance with the present invention. Preferably while the tube 10 is on a former of the machine, the side edges of the same are slitted longitudinally for a suitable distance at 11, 12, so as to provide a portion 14 extending from the body of the tube or bag and a flap 13, as shown in Fig. 2. Either simultaneously with or after the slitting of the bag or tube at 11, 12, slits 15, 16, are produced in the extended body portion 14, which slits are parallel with each other and with the slits formed at 11, 12, said slits 15, 16, being located nearer to the free side edges of the face of the body portion 14 than they are to each other. Inasmuch as the described slits extend longitudinally of the body of the bag or tube, the same may be conveniently formed in most any bag machine, although the invention is not limited to producing the article in a bag machine. As shown in Fig. 2, there will be provided by reason of the described incisions, a transverse portion 17 at the ends of which are lateral wings or ears 18, 19, between which is located a portion 20 which is joined to the portion 17 along the dotted line indicated. The so slitted bag or tube will be seen to constitute a blank as it were, for the complete bag or envelop. Preferably while the said slits are being formed, the slitting knives are prevented from injuring or cutting the flap 13. The latter may, however, be afterward formed into any desired shape, as for instance the corners thereof may be cut off. The described blank is now ready to be formed up so as to produce an article with a pocket into which the fold-over flap 13 may be inserted. Referring to Fig. 3, it will be seen that a strip 21 of tape, cord or string, or other suitable flexible material is stretched transversely across the blank along that part of the transverse portion 17 to which the part 20 is attached, and the same is introduced for providing a reinforce in the complete article. Preferably the ends of the said reinforce are extended beyond the slits 15 and 16 and toward the outer ends of the lateral wings or ears 18, 19. Paste is now applied as at 24, or the paste may first be applied and the reinforce 21 applied after-

ward. It is desirable, although not absolutely necessary, that a reinforce be applied. Next the part 20 is folded down against the transverse portion 17 as indicated in Fig. 4, thereby forming a fold 25 which incloses the reinforce 21 if there be one. The complete article is next produced as shown in Fig. 5. To finish the article, the transverse portion together with its attached parts are folded down against the body of the article, the ends of said transverse portion being pasted to the opposing edge portions of the body and the lateral wings or ears 18, 19, are pasted down upon the same surface of the body along the edge portions at 26, 27. Obviously the corners of the flap 13 may be turned over as indicated in dotted lines. The article being now complete, it will be seen to have a pocket at 28, as more clearly shown in Figs. 6 and 7. This pocket extends transversely of the body and is adapted to be engaged by the fold-over flap 13. It will be seen that the material which has been cut out from between the wings or ears 18, 19, is made use of in the pocket, as it constitutes a turned-under part which provides a folded edge for the pocket opening, and at the same time incloses the reinforce 21. The lateral wings or extensions 18, 19 from the transverse portion 17 and hence from the pocket 28, are made use of to stiffen and strengthen the pocket end of the article. If a reinforce is used such as described, the wings are made use of to anchor the ends 22, 23 of the reinforce, which ends in the complete article extend to one side of the edge of the pocket opening and laterally away from the pocket. It will be noticed that by extending the ends 22, 23 of the reinforce in the direction shown, the edge of the pocket opening is better able to withstand any strain which is imposed in the direction of the closing flap when it is engaged with the pocket.

Fig. 8 illustrates a modification in which the invention is shown as applied to a mailing wrapper, which may consist of a body 30, with or without lateral extensions 30^a. One end 31 of said body as indicated in dotted lines, is provided between its free edges with parallel slits 32, 33, which correspond in function to the slits 15, 16 before mentioned. In the same way as before, a pocket will be formed at the corresponding end of the body 30, so that the latter has a transverse portion 34, a turned-under part 35, and wings 36, 37 extending laterally from the transverse portion 34. A reinforce is not here shown. At the opposite end of the body 30 it is provided with a flap 38 which, when the described wrapper is wrapped around an object, is brought over the transverse strip 34 and engaged in the pocket.

It will be seen that under the present invention a straight strip or tube may be used, to be cut, folded and pasted so as to produce an article with a pocket to be engaged with a closing flap, and that unless desired, the body of the article, if it be a bag or envelop, need not be cut or slit at all. It will furthermore be seen that in the preferred form of the invention there are no lateral extensions necessarily from the tubular body, either in the process of manufacturing the article or when the article is complete.

Any feature of the present invention which is disclosed herein and not claimed and which relates to the wrapper such as disclosed in Fig. 8, is reserved for a subsequent application.

Obviously the invention is susceptible of further modification, as parts may be omitted, parts added, and parts substituted without departing from the scope of the invention as expressed in the claims.

What I claim as new is:—

1. In an article of the class described, the combination of a body, a transverse portion secured at its ends directly to the end of one surface of said body and providing a pocket between it and the said surface, the opening of said pocket being presented inwardly of said body, away from said end, and a flexible reinforce located on the edge of said transverse portion at the opening of said pocket and extending beyond said opening and anchored to said surface.

2. In an article of the class described, the combination of a body, a transverse portion secured at the ends to said body to provide a pocket, said ends having wings which extend transversely of said transverse portion and are secured along the side edges of said body, and a reinforce on said transverse portion, at the edge of the pocket opening, said reinforce extending beyond both ends of said pocket opening and under the said secured ends of said transverse portion.

3. In an article of the class described, the combination of a body, a transverse portion having a turned-under part and secured at the ends to said body to provide a pocket having an opening presented inwardly of said body, and a reinforce extending within the edge fold between said transverse portion and turned-under part, and extending beyond said pocket in the direction in which the opening of said pocket is presented and anchored to said body.

4. In an article of the class described, the combination of a body, a transverse portion having a turned-under part, lateral wings secured at the ends to said body to provide a pocket, and a reinforce extending within the edge fold between said transverse portion and turned-under part, and terminating to one side of the pocket edge of said transverse portion, and extending under said wings.

5. In an article of the class described, the

combination of a body, a transverse portion secured at the ends to said body to provide a pocket and having a turned-under part, and lateral wings at the ends of said transverse portion, the same extending in opposite direction to said under part and secured to the edge portions of said body at the same side as said transverse portion.

6. In an article of the class described, the combination of a body, a transverse portion secured at the ends to said body to provide a pocket and having a turned-under part, and lateral wings at the ends of said transverse portion, the same extending in opposite direction to said under part and secured to the edge portions of said body at the same side as said transverse portion, the area of said under part corresponding in size with the area between said wings.

7. In an article of the class described, the combination of a body having a flap, a transverse portion having a turned-under part, and pasted beyond the ends of said turned-under part to said body, thereby providing a pocket in which said flap may be engaged, and lateral parallel wings at the said pasted ends of said transverse portion, and extending in opposite direction to said turned-under part, said wings being pasted to the edge portions of said body.

8. In an article of the class described, the combination of a body, a transverse portion secured to the outer surface of said body to provide a pocket, and spaced lateral wings forming part of said transverse portion and located at the ends thereof, said wings being secured to said body at the same surface as said transverse portion, and a flap for said body positioned to fold first over and then into the pocket.

9. An envelop of the class described, comprising a body, a flap on one side wall thereof, a transverse portion extending across the top of the outer surface of the other side wall of said body and forming a pocket, and lateral wings at the ends of said transverse portion forming integral parts thereof and secured to the said outer surface of the body, the inner edges of said lateral wings limiting the aperture of said pocket.

10. In an article of the class described, the combination of a body, a transverse portion having a turned-under part and formed integrally with the wall on one side of said body to provide a pocket, lateral wings forming integral parts of said transverse portion and located at the ends thereof, said wings being secured to said body, and a flap for said body positioned to fold first over and then into the pocket.

11. In an article of the class described, the combination of a body, a transverse portion having a turned-under part and formed integral with the wall on one side of said body to provide a pocket, lateral wings forming integral parts of said transverse portion and located at the ends thereof, said wings being secured to said body, a flexible reinforcing means extending under said lateral wings and between the folds of the pocket, and a flap for said body positioned to fold first over and then into the pocket.

12. An article of the kind described comprising a tubular body closed at the bottom end, a tongue integral with and forming a continuation of one face of said body and located at the top end thereof, and a pocket on the face of said body opposite said tongue-carrying face and located at the top end thereof, said pocket comprising a plurality of layers of material integral with the top edge of the body and folded upon the face of the body opposite the tongue-carrying face and portions of said material being secured at each side of the pocket to the face of the body opposite the tongue-carrying face.

13. In an article of the class described, the combination of a tubular body having two side walls each comprising inner and outer surfaces with the inner surfaces facing one another, a transverse portion forming a continuation of one of the side walls and located on the outer surface thereof to provide a pocket, lateral wings integral with the transverse portion and located at the ends thereof to limit the mouth of the pocket, and a flap forming a continuation of the other side wall to fold over the transverse portion and then under said portion.

14. An article of the kind described, comprising a tubular body closed at the bottom end and having two side walls each comprising inner and outer surfaces with the inner surfaces facing one another, a pocket on the outer surface of one of the side walls and located at the top end thereof, said pocket comprising a band of material integral with the top edge of said side wall and folding upon the outer surface of said side wall and secured at each side thereof to said outer face of said side wall, and a tongue integral with and forming a continuation of the other side wall and located at the top end thereof, which tongue folds over and under the band of material forming the pocket.

15. An article of the kind described comprising a tubular body closed at the bottom end, said body including two side walls each comprising inner and outer surfaces with the inner surfaces facing one another, a tongue integral with and forming a continuation of one of the side walls of said body and located at the top thereof, and a pocket on the outer face of the other side wall opposite the tongue-carrying face and located at the top end thereof, said pocket comprising a band of material integral with the top edge of said second side wall and folded

upon the outer face of said side wall opposite the tongue-carrying face, and lateral wings at the ends of said pocket limiting the opening thereof and secured to the outer surface of the same side wall and opposite the tongue-carrying side wall, said tongue folding over and then under said pocket.

Signed at New York, N. Y., this 8" day of June 1914.

WILLIAM H. JACOBS.

Witnesses:
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