

H. Y. ARMSTRONG.
 PACKAGING OF SEPARATELY WRAPPED ARTICLES IN A PACKAGE.
 APPLICATION FILED OCT. 13 1913.

1,216,259.

Patented Feb. 20, 1917.

Fig. 1.

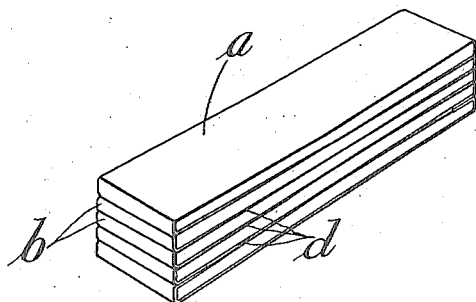


Fig. 2.

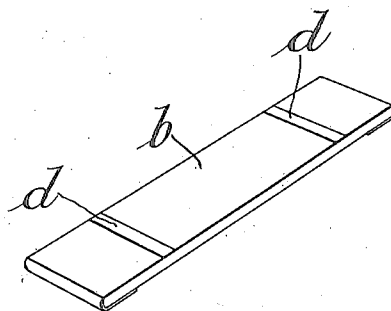


Fig. 3.

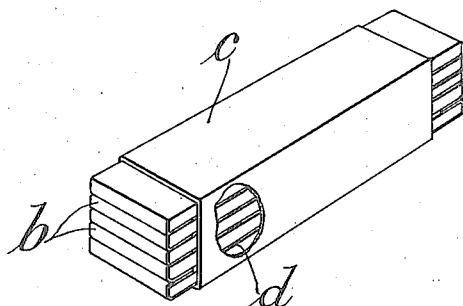


Fig. 4.

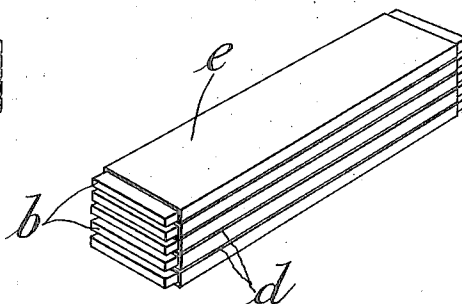
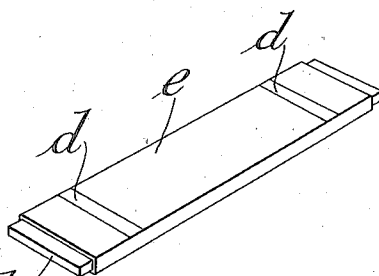


Fig. 5.



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PACKAGING OF SEPARATELY-WRAPPED ARTICLES IN A PACKAGE.

1,216,259.

Specification of Letters Patent.

Patented Feb. 20, 1917.

Application filed October 13, 1913. Serial No. 794,863.

To all whom it may concern:

Be it known that I, HARRY Y. ARMSTRONG, a citizen of the United States, residing in the city of Springfield, in the county of Hampden, in the State of Massachusetts, have invented certain new and useful Improvements in the Packaging of Separately-Wrapped Articles in a Package, of which the following is a specification.

This invention relates to a method of grouping separately wrapped articles, such, for example, as separate sticks of chewing gum. In wrapping and grouping articles of this general character, it has been customary to wrap each article separately and then group the desired number of articles into a package, binding the whole together by means of a band. It may be desired to use the articles in the package one by one and when this is the case the band is usually torn off and the desired article taken from the package, or one article may be slipped from under the band with the band remaining around the other articles. In either case the integrity of the package has been destroyed.

The object of my invention is to provide a means of packaging separately wrapped articles which involves the grouping of the wrapped articles into a package and the application of a fluid binding to the individual wrappers thereof, whereby the package is rendered self-sustaining without additional binding means, so that the articles may be successively removed from the package without disturbing the integrity of the remainder of the package.

With this object in view the invention will be described in connection with the drawings in which:

Figure 1 shows in perspective an assembled package of one description.

Fig. 2 is a perspective view of one of the individual articles shown grouped in Fig. 1.

Fig. 3 shows in perspective a package similar to Fig. 1 with the band placed therearound.

Fig. 4 shows in perspective an assembled package in which the wrapping of the individual articles differs from that shown in Fig. 1.

Fig. 5 is a perspective view showing a single one of the articles shown grouped in Fig. 4.

The specific description of my invention for the purposes of illustration refers to the packaging means as used in assembling or packaging separate sticks of gum. One modern way of packaging gum consists in wrapping each individual stick with a wrapper *b*, the longitudinal edges of which are overlapped and the ends of which are turned over against the stick, as shown in Fig. 2. In some instance a separate band, as *e* in Fig. 5, is also wrapped around each individual stick to hold the inturned ends against the article. The several articles are grouped as shown in Fig. 1 with the inturned ends all bound against the articles by the contiguous faces thereof. A band such as *c* in Fig. 3 is passed around the package which is then complete.

According to my invention a thin strip of adhesive, as *d* in Fig. 2, is provided near each end of the individual sticks designed to be assembled into package *a*. The application of this adhesive is conveniently accomplished in the wrapping machine which wraps the individual sticks of gum. The sticks are then grouped, as shown in Fig. 1, so that the strips of adhesive lie between contiguous faces of the separate articles. A band *c* may be passed around the package *a* to give it the ordinary commercial appearance. In this instance the function of the band *c* is to give the package the desired appearance and to enable the manufacturer to place his trade-mark or other desired printed matter on the band.

Where the individual articles are banded, as shown in Fig. 5, the band *c* is not as necessary to the proper appearance of the package as in the case of the articles illustrated in Fig. 2. In this case the package may, if desired, be sold or marketed without the band *c*. Whether or not the band *c* is used does not affect the fundamental principle of my invention as stated above, for it will be seen that a self-contained package of separately wrapped articles is provided, as shown in Figs. 1, 3 and 4 in which each article is bound to one or more of the other articles of the package, whereby each article may be separated from the package without disturbing the integrity of the remainder of the package. In fact by the use of my invention the band around the package is rendered unnecessary, the same and addi-

tional functions being accomplished by binding fluid. This invention is particularly useful in packaging chewing gum for the reason that heretofore, where a package
5 has once been broken the pieces of gum are all loose, whereas by the use of my method the articles may be removed separately from the package and the remaining articles will stay bound together in the most convenient
10 form for the user.

While my invention has been described in connection with particular articles, such as sticks of gum, it is very clear that the invention, broadly, may be applied in a great
15 variety of ways. I, therefore, claim the invention in the following language.

What I claim is:—

1. A package of the character described, comprising a plurality of thin, flat units
20 each consisting of a wrapped article, said

units being stacked with their flat faces in contact with each other, and adhesive material between the contiguous faces of said units covering only a relatively small part of each of said faces and serving to secure the
25 units together to form a package.

2. A gum package of the character described, comprising a plurality of thin flat units each consisting of a stick of gum enclosed in a wrapper, said units being stacked
30 with their flat faces in contact with each other, and relatively thin strips of adhesive material between the contiguous faces of said units covering only a relatively small part of each of said faces and serving to
35 secure the units together to form a package.

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Witnesses:

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