

L. L. SALFISBERG.
PACKAGE.
APPLICATION FILED JUNE 10, 1919.

1,413,064.

Patented Apr. 18, 1922.

Fig. 1

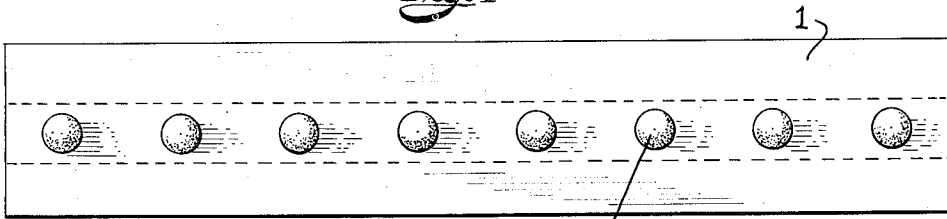


Fig. 2

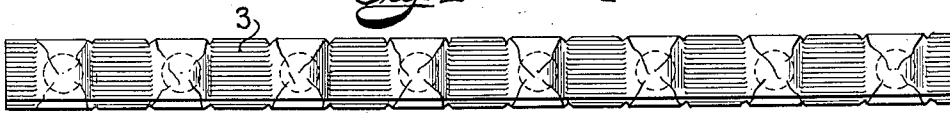


Fig. 3

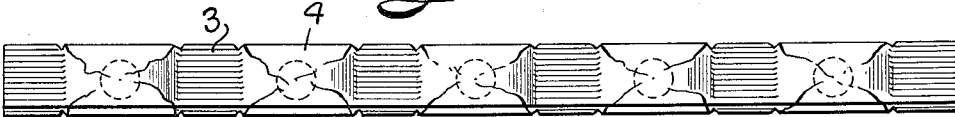


Fig. 4

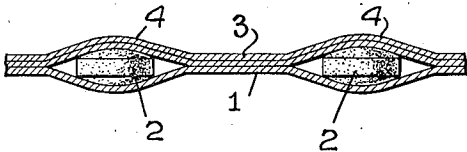


Fig. 5

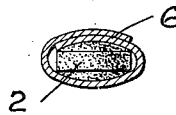


Fig. 6

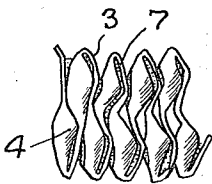


Fig. 7

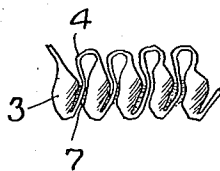
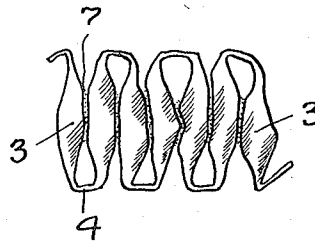


Fig. 8



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UNITED STATES PATENT OFFICE.

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PACKAGE.

1,413,064.

Specification of Letters Patent. Patented Apr. 18, 1922.

Application filed June 10, 1919. Serial No. 303,147.

To all whom it may concern:

Be it known that I, LEROY L. SALFISBERG, a citizen of the United States, and a resident of Newark, in the county of Essex and State of New Jersey, have invented an Improvement in Packages, of which the following is a specification.

The present invention relates to an improvement in packages, more particularly of the kind adapted to contain products readily segregated as units, such as medicinal preparations or other chemical or edible articles in tablet or similar form, hardware, buttons and various other relatively small articles. The present invention also constitutes in part an improvement over the invention described and claimed in the co-pending applications of Charles H. Macdonald, Serial No. 302,548, filed June 7, 1919.

One of the principal objects of this invention is to provide a package which will afford an effective covering for articles of the character referred to and others, not only to protect such articles from dust, dirt and the like, but also, where the articles are soluble, to exclude moisture from contact therewith so that they may be transported or carried in stock without deterioration.

A further object of the invention is to provide a package of bloc form in which the parts may co-operate to render more effective the sealing of the articles in the package and the protection of said articles from dust and moisture. The invention also, so far as it relates to a process or method, is intended to provide a sequence of operations in accordance with which a suitable package of the character described may readily be formed.

One form of package embodying my invention is illustrated in the drawings accompanying the present specification, said drawing also serving to illustrate a typical application of my improved method of making one form of package embodying my invention. In the drawings,

Figure 1 is a plan view of a web of material with spaced articles in position thereon;

Figure 2, a plan view of the same or a similar web with the marginal portions folded to inclose articles and with the portions between the articles pressed into adhering contact,

Figure 3, a modification of the form of package shown in Figure 2,

Figures 4 and 5, longitudinal and transverse vertical sections respectively of a portion of the package illustrated in Figure 2, and

Figures 6, 7 and 8 are views showing the strip illustrated in Figures 2 and 3 folded or bent into bloc form.

In practicing the method forming a part of the present invention, a strip 1 of flexible material, preferably paper, having a coating of paraffin on at least one side, may be folded longitudinally to form a tubular container adapted to inclose articles 2, the folding being accomplished in such a manner that the interior surface will be paraffined and the inclosed articles arranged in spaced relation. Pressure may then be applied to the tubular container between the spaced articles in such a manner as to form adhering or sealing portions 3. One convenient way to accomplish this sealing is to crimp the tube transversely, a suitable type of crimping being shown in Figure 2 of the drawing, the operations thus far referred to being set forth in said application of Charles H. Macdonald, Serial No. 302,548 filed June 7, 1919. The article containing package thus formed may then be folded or bent transversely in such a manner that article containing portions 4 will be arranged contiguous to crimped or empty portions 3 and in hinged connection therewith, substantially as shown in Figure 6. If desired, suitable means such as melted paraffin may be applied to the exterior of the package, as shown in Figure 2, either over the entire surface or over portions of the surface in such a manner that when the portions 4 are folded or bent over into contact with the portions 3 or with each other, said portions will adhere, thus forming bloc packages with adhesive material 7 interposed between the article containing portions and the empty portions or between different article containing portions in such manner as to effectively retain the parts in the desired relation.

In pursuing the method hereinabove described, a package may be produced in which spaced articles are inclosed in a container having adhering or interlocking portions 3, formed either by crimping or otherwise pressing opposed interior portions into intimate adhering contact, between each two adjacent articles. Where a package of such construction is folded or bent transversely

so that articles containing portions lie contiguous to empty portions, or contiguous to each other, the parts thus arranged may cooperate to retain the folded or bent over portions 6 of the web 1 in effective article protecting position. This result is more completely attained where an application of material in adhesive condition, as paraffin, is made to the exterior surface whereby the article containing portions 4 may adhere to the empty portions 3 or to each other when the strip or unfolded package is folded bent or deflected upon itself transversely in the manner described thus forming a multiple compartment package self sustaining and of solid compact appearance.

In using packages embodying my invention, or made in accordance with the method hereinabove set forth, the consumer may detach a single article simply by tearing the material adjacent to said article, and without exposing the article next in succession. The bloc form of package for many articles presents advantages in use over packages heretofore commonly used and over the strip form shown in the previous applications above referred to. These advantages relate not only to the additional protection from dust and moisture already mentioned, but also to practical considerations, such as compactness and durability, both of which are desirable qualities in packages intended for shipment by ordinary transportation facilities.

I claim as my invention:

1. A package comprising a web of flexible material adapted to form a container and spaced articles enclosed therein, said container being folded transversely to form a bloc package having article containing portions arranged in adhering contact with portions containing no articles.

2. A package comprising a web of flexible material adapted to form a container and spaced articles enclosed therein, said container having portions between the articles in adhering contact and said container being folded to form a bloc package having arti-

cle containing portions arranged contiguous to portions containing no articles, and means for securing said portions in said contiguous relation.

3. The method of packaging articles which includes enclosing said articles in spaced relation in a longitudinally folded strip of packaging material, applying a coating of material in adhesive condition to said strip, and folding the article containing portions into adhering contact with adjacent empty portions of the strip.

4. The method of packaging articles which includes enclosing said articles in spaced relation in a longitudinally folded strip of packaging material, applying paraffin in adhesive condition to said strip and folding the article containing portions into adhering contact with adjacent empty portions of the strip.

5. The method of packaging articles which includes enclosing the articles in spaced relation within a longitudinally folded strip of material having a coating of paraffin on the article engaging side, pressing opposed interior coated surfaces of the strip into adhering contact between said spaced articles and folding the article containing portions of the folded strip into contact with adjacent empty portions of said strip to form a plurality of contiguous end connected layers and securing said layers together by an interposed adhesive to form a self supporting bloc package.

6. A package comprising an article carrier in strip form having article enclosing compartments alternating with compartment spacing and connecting portions, said carrier being bent transversely at intervals to form hinge connections between contiguous carrier sections, said sections having adhesive means located between them for effectively retaining the sections together to form a solid self sustaining package.

In testimony whereof, I have signed my name to this specification this 3rd day of June, 1919.

LEROY L. SALFISBERG.