Sept. 21, 1926. 1,600,438

L. W. TIFFANY

PACKAGE

Filed June 4, 1924

Fig-1

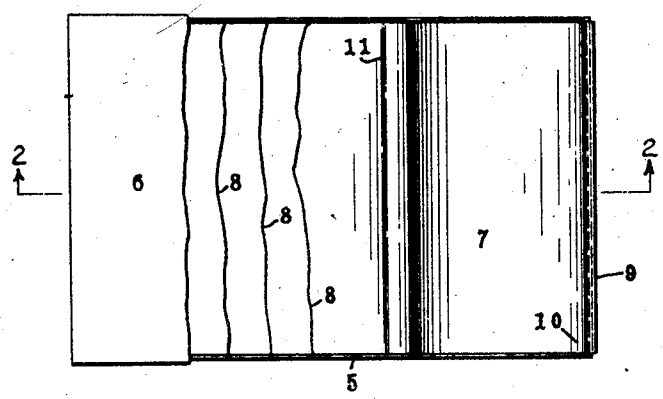
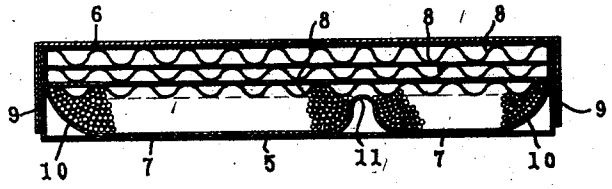


Fig-2



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UNITED STATES PATENT OFFICE.

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PACKAGE.

Application filed June 4, 1924. Serial No. 717,679.

This invention relates to an improved type of package and aims to provide a device of this character particularly adapted for use in connection with the packaging of pins and similar articles.

It is an object of the invention to provide a package which, as afore-stated, may be used in connection with the distributing of pins, and which is of particular value when employed with pins or similar articles which are to be neatly stacked within the package, i. e., for example, where the pins are all disposed parallel to each other.

It is a further object of the invention to provide a device of the character stated, which when used for the distribution of articles of the character aforementioned, will serve at all times to retain these articles in proper position within the package, so that when the latter is opened the articles will appear as they have originally been disposed within the package, it being understood that aside from other advantages the package will thus be less liable to become damaged during transit.

A still further object is that of furnishing a package which, when once opened, will permit of the articles packaged therein being withdrawn to better advantage than has heretofore been practicable.

A further object is that of furnishing a device of the type specified by means of which a number of articles, such as for example pins, may be disposed within less space than has commonly heretofore been necessary for the packaging of an equal number of articles of the same nature.

A still further object is that of providing a package which will efficiently perform the purposes for which it is intended, and which will also be economically and readily manufactured, in addition to the fact that its parts may be conveniently assembled.

Other objects of the invention will in part be obvious and will in part appear hereinafter.

The invention accordingly comprises an article of manufacture possessing the features, properties, and the relation of elements which will be exemplified in the article hereinafter described and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention reference should be had to the following detailed description taken in connection with the accompanying drawing, in which:

Fig. 1 is a plan view of one form of package embodying the improved construction of the present invention, certain of the parts of this package being broken away to disclose the underlying construction; and

Fig. 2 is a sectional view taken along the lines 2—2 of Fig. 1.

In these views, the reference numeral 5 indicates a receptacle which may be formed of any desired material, and which is preferably provided with a lid 6, the body of this receptacle as in Fig. 2 being filled with articles to be packaged, for example pins 7, which have their bodies arranged parallel to each other.

Interposed between the inner face of the lid and the upper surfaces of the articles is a restraining member, which in the present instance takes the form of layers of ordinary corrugated board 8, the ribs of the lowermost layer of which extend downwardly into the mass of articles, so that the latter key into the spaces between these ribs.

It has been found due to this keying action, and to a certain extent also due to the inherent resiliency incorporated in a restraining member of this nature, that the articles within the package will remain in position despite the fact that the receptacle may be violently shaken or otherwise moved in such a manner as would normally result in the articles becoming disarranged.

Heretofore, with the restraining member omitted, it has been necessary to employ a receptacle of the size shown in Fig. 2, in order to accommodate a certain quantity of articles. These articles have been promiscuously disposed within the receptacle body and have extended into a plane substantially equal to that occupied by the upper edges of the receptacle side walls. For the sake of illustration, the same quantity of articles has been shown in the figure afore-mentioned as being within the body of the receptacle, and it will thus be understood that in the same amount of space it is possible, by means of the improved construction of the present invention, to accommodate virtually twice the quantity of articles. This is to be attributed to the fact that these articles according to the present invention are arranged parallel to each other, and after

being thus disposed will be properly retained in position by means of the restraining member.

In order to assure a ready withdrawing of any of the articles, as well as to further enhance the restraining effect produced, it will be observed that in the illustrated form of the invention a false bottom is utilized in association with the receptacle body, this base preferably taking the form of a strip of material having its ends bent downwardly as at 9, in order to overlap and snugly lie against the end receptacle walls, it being furthermore observed that this strip of material is curved as at 10 within the receptacle body in order to provide inclined portions, and at a point between these inclined portions the strip may be bent upwardly to form a rib or baffle 11, which thus serves to divide the base of the receptacle into two compartments. In connection with the downwardly extending end portions 9 of the strip, it is to be noted that among other purposes this construction serves to retain the base normally within the receptacle body, and it will of course be appreciated that the downwardly extending flange portion of the lid will be of a size sufficient to accommodate the portions 9 between their inner faces and the outer face of the receptacle body without it being necessary to distort any of the parts.

The manner in which an element of this nature will act to prevent an accidental displacement of the packaged articles will be obvious, and it will be understood that with the lid and restraining elements removed the receptacle becomes a dispensing package from within which the articles may be individually and readily withdrawn. This is to be attributed to the fact that by means of the baffle provided it is always possible, by placing a thumb and finger upon opposite sides of the same to grasp one of the articles and withdraw the same, while by means of the compartments furnished a working quantity of articles may always be maintained in a most convenient position for ready withdrawal, it being furthermore understood that if an operator prefers, the articles may be individually withdrawn simply by pressing the finger against one of the same and sliding this article upwards over one of the inclined surfaces 10 towards the upper edge of the false bottom.

In using a package of this nature it has also been found that with the lid removed, if the articles tend to become displaced, they may readily be rearranged by simply shaking the receptacle body, which action due to the provision of the base, will cause the articles to again assume positions parallel to each other.

From the foregoing, it will be appreciated that the objects of the invention have been accomplished and since certain changes may be made in the above article and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claims are intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

Having described by invention, what I claim as new and desire to secure by Letters Patent, is:

1. As an article of manufacture, a package of pins, including a receptacle filled with a mass of loose pins having their bodies disposed parallel to each other, and means arranged above said pins and presenting a number of projections extending into and below the upper surface of the same whereby to retain said pins in such position.

2. As an article of manufacture, a package of pins, including a receptacle filled with a mass of loose pins having their bodies disposed parallel to each other, and a strip of corrugated material disposed above said pins with the corrugations thereof extending below the upper surface of said mass and into the same whereby to retain said pins in such position.

In testimony whereof I affix my signature.

LEVERETT W. TIFFANY.