April 1, 1941. E. GOLDSCHMIDT 2,236,681

PACKAGE SEAL AND HANDLE

Filed June 23, 1937

Fig. 1.

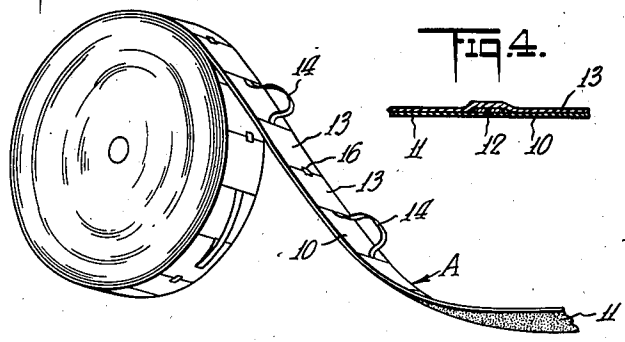


Fig. 4.

Fig. 5.

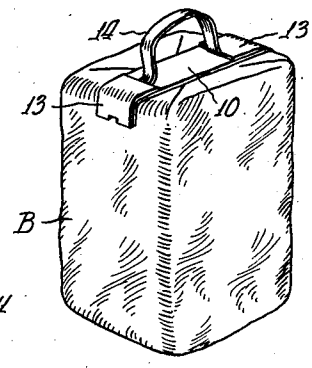


Fig. 2.

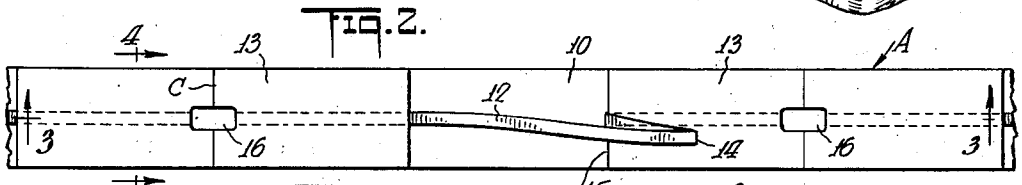


Fig. 3.

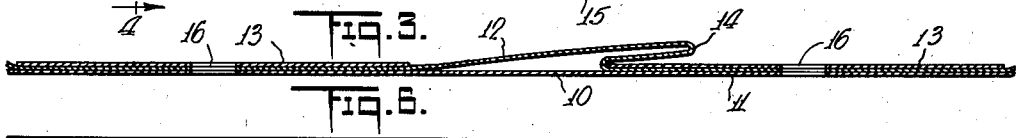


Fig. 6.

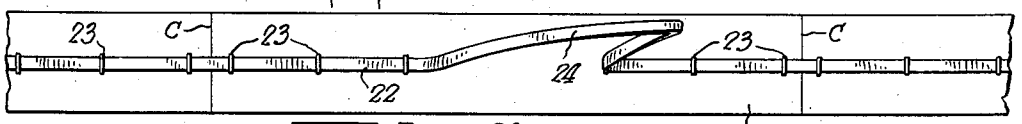


Fig. 7.

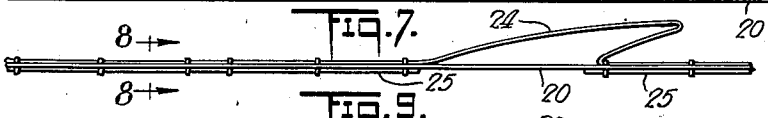


Fig. 8.

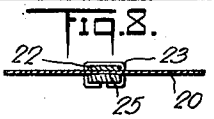


Fig. 9.

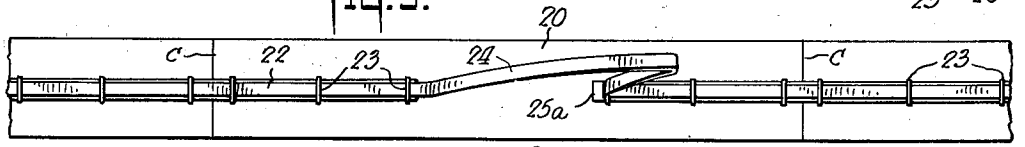


Fig. 10.

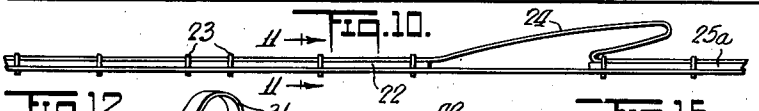


Fig. 11.

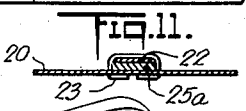


Fig. 12.

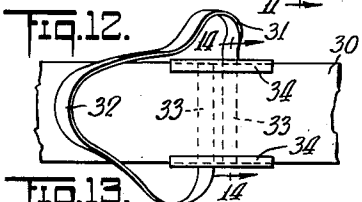


Fig. 15.

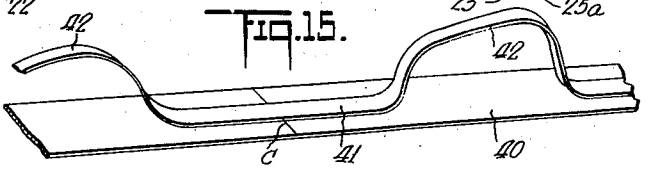


Fig. 13.

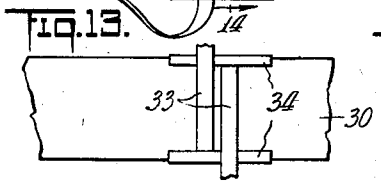
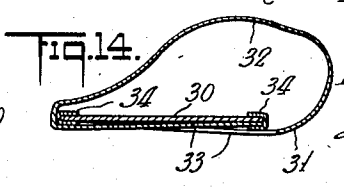


Fig. 14.



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UNITED STATES PATENT OFFICE

2,236,681

PACKAGE SEAL AND HANDLE

Edward Goldschmidt, New York, N. Y.

Application June 23, 1937, Serial No. 149,805

11 Claims. (Cl. 229—52)

The present invention relates to a combined package tying and carrying device, and has among its objects to provide a device of this general type, which is simple and inexpensive to manufacture, which can be easily applied to the wrappings of packages by simple manipulation, and which is strong and effective enough to support the weight of even heavy parcels.

As one feature of the present invention the device comprises a gummed band adapted to seal the loose portions of a package wrapping, and having a strip-like member, such as a ribbon or cord which is attached thereto, and which has a looped section forming a handle for carrying the package, the portion of the band between the bases of said looped section being continuous and uninterrupted. The device of the present invention is so constructed as to eliminate the necessity of slitting or otherwise cutting the portion of the band between the bases of the handle during the manufacture of the device, thereby eliminating the weakness developed in the band incident to such slitting or cutting.

Various other objects, features, and advantages of the invention will be apparent from following particular description and from an inspection of the accompanying drawing in which are shown one or more of various possible embodiments of the several features of the invention. In the drawing:

Fig. 1 is a perspective view of a stock or supply roll of tape from which successive sections may be cut off to form the individual devices of the present invention;

Fig. 2 is a top plan view of a portion of the continuous tape shown in Fig. 1;

Fig. 3 is a longitudinal section taken on line 3—3 of Fig. 2;

Fig. 4 is a transverse section taken on line 4—4 of Fig. 2;

Fig. 5 is a perspective view of a package showing the device of Figs. 1 to 4 applied thereto;

Fig. 6 is a top plan view of a portion of another form of continuous tape embodying the present invention;

Fig. 7 is a side elevation of the tape shown in Fig. 6;

Fig. 8 is a transverse section taken on line 8—8 of Fig. 7;

Fig. 9 is a top plan view of a portion of another form of continuous tape embodying the present invention;

Fig. 10 is a side elevation of the tape shown in Fig. 9;

Fig. 11 is a transverse section taken on line 11—11, Fig. 10;

Fig. 12 is a top plan view of a portion of another form of continuous tape embodying the present invention;

Fig. 13 is a bottom plan view of the tape shown in Fig. 12;

Fig. 14 is a transverse section taken on line 14—14 of Fig. 12; and

Fig. 15 is a perspective view of a portion of another form of continuous band embodying the present invention.

Referring now to the construction of Figs. 1 to 5, there is provided a continuous tape A, comprising a band 10, advantageously made of strong flexible paper, and having its underside 11 gummed for adhesive attachment to the loose ends of a package wrapping. Extending longitudinally and centrally of the band 10, along its upper side, is a flexible strip-like member, shown in the form of a fabric ribbon 12, which is permanently secured to the band 10 at spaced sections thereof by pasters 13. These pasters 13 are advantageously the same width and of the same material as the band 10, and are provided with gummed under sides for adhesive attachment to the upper ungummed side of band 10, so that the portions of the ribbon 12, between the ends of the respective pasters 13, are permanently held in position between said band and said pasters. The portions 14, of the ribbon between the facing ends 15 of adjoining pasters 13, are looped to form handles by which, a package B (Fig. 5) may be carried when the individual sections of the tape A are applied thereto. These looped sections 14 of the ribbon 12, when wound on a roll as shown in Fig. 1 are folded flat against the plane of the tape A.

In order to facilitate the cutting of successive sections of the tape A, the portions of said tape centrally between the ends of each paster 13 is provided with a cut-out 16 along each transverse line of severance C which is advantageously marked on the tape. The cut-outs 16 are formed before the tape is wound into a roll, and serve to eliminate the portions of the ribbon 12 along the lines of severances C, so that said tape may be easily cut along said lines without hindrance from the comparatively tough ribbon 12.

When it is desired to tie or seal the loose end of a package wrapping, a length of the tape A is withdrawn from the roll shown in Fig. 1, and cut, by any suitable cutting means along its line of severance C and across its corresponding cut-out 16. The gummed side of the band 10 along

an individual tape length may be moistened by a suitable moistening device associated with the roll as said length is withdrawn from said roll, or may be moistened after the tape length has been severed. After a tape section has been severed, and the gummed side of the band 10 moistened, it is applied to the loose ends of a package wrapping as shown in Fig. 5, to seal said ends, and to provide the package-carrying handle 14. The successive individual tape sections may contain advertising matter on the upper side thereof, and may be colored to blend ornamentally with the package wrapping.

It is seen that in the form of the invention shown in Figs. 1–5, the tape A is provided with a gummed surface, which extends throughout its entire underside, and which is not blocked by the ribbon, so that a maximum amount of adhesive package tying surface is applied to the package wrapping.

In the construction shown in Figs. 6 to 8 there is provided a continuous band 20, similar to the band 10 of the construction shown in Figs. 1 to 5, and similarly provided with a gummed under surface for adhesive application to the loose ends of a package wrapping. Extending longitudinally of the band 20 and centrally along the upper side thereof, is a ribbon 22 similar to the ribbon 12 of the construction of Figs. 1 to 5, and permanently secured to said band by a series of spaced wire staples 23. The ribbon 22 is looped at spaced sections to form the handles 24.

In order to provide a suitable backing and reinforcement for the ribbon 22, there is provided on the under gummed side of the band 20 opposite the portions of the ribbon 22 between the looped sections thereof, a series of comparatively rigid strips 25, having a width substantially equal to or slightly greater than that of said ribbon 22, and made of comparatively rigid material such as cardboard. The ends of the staples 23 are clinched against the underside of the back strips 25 as shown in Fig. 8, to firmly secure the ribbon 22 and said backing strip to the band 20.

The construction shown in Figs. 9 to 11 is similar to that of Figs. 6 to 8, except that the backing strips 25*a* corresponding to the backing strips 25 of Figs. 6 to 8, are interposed between the upper side of the band 20 and the flat portions of the ribbon 22 beyond the handle section 24 thereof.

In the construction shown in Figs. 12 to 14 the tape includes a continuous band 30, which is similar to the bands 10 and 20 of the previous construction referred to, and which is similarly gummed on its underside. Extending transversely at longitudinally spaced sections of the band 30 is a series of flexible strip-like members in the form of ribbons 31, looped on the upper or outer side of said band to form handles 32, and having its end sections 33 extending in parallelism across the gummed side of said band and adhesively secured to said gummed side. The outer ends of these end sections 33 are retained between the band 30 and U-shaped clips 34 embracing the sides of said band. These clips 34 may be made of paper and may be adhesively secured to the edges of the band 30, or may be of metal, in which case said clips would be squeezed or pinched in position, along the edges of said band. The clips 34 serve not only to retain the ends of the ribbons 31 in position, but also serve as backing members to prevent tearing of the band 30 along those portions of its edges around which said ribbons are folded, when stressed into package-carrying position.

In a form shown in Fig. 15 there is provided continuous band 40, similar to the bands 10 and 20 of the previous construction, and similarly gummed on its underside. Extending longitudinally of the band 40 and adhesively secured directly to the upper side thereof is a strip-like member in the form of a ribbon 41 having looped sections forming handles 42. This ribbon 41 is advantageously wider than the ribbons used in the other forms, in order to compensate for the lack of reinforcing means.

In Figs. 6 to 15, the various forms are shown without the provision of the cut-out along the line of severances C, corresponding to the cut-outs 16 in the construction of Figs. 1 to 5. It must be understood however, that the constructions shown in Figs. 6 to 15 may be provided with such cut-outs if desired, if suitable cutting means is not available for cutting through the strip-like member when severing successive tape sections from the roll or pack.

It should be noted that in all of the forms shown, the portion of the gummed band between the base ends of the handle is continuous and uninterrupted, so that no weakening of said section is developed as would be the case if said sections were provided with slits or cuts of any kind.

It is seen that by the device of the present invention, the various successive sections of the tape supply roll may be easily cut off, and easily applied to the loose ends of a package wrapping, to form a strong, effective tying and package-carrying device. Instead of supplying the continuous tape in the form of a roll, it may be supplied in the form of a pack in which the individual sections are reversely folded in stacked relationship.

Although the strip-like member forming the handle in all of the embodiments indicated, is shown in the form of a ribbon, as far as certain aspects of the invention are concerned this member may be in the form of a string or cord.

It will thus be seen that there is herein described a device in which the several features of this invention are embodied, and which device in its action attains the various objects of the invention and is well suited to meet the requirements of practical use.

As many changes could be made in the above construction, and many apparently widely different embodiments of this 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.

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

1. A package tying and carrying device including a band having two pairs of parallel edges, a coating of adhesive on one side thereof, a ribbon member secured at its end portions near opposite edges of said band and having a looped section extending between said end portions away from one side of said band to form a package carrying handle, the section of said band between the base ends of said looped section being continuous and uninterrupted.

2. A package tying and carrying device including a band having a coating of adhesive on one side thereof, and a strip-like member extending

longitudinally of said band and affixed thereto, said member having a looped section extending centrally between the ends of the band on the other side thereof, and forming a package-carrying handle, the section of the band between the base ends of the looped section being continuous and uninterrupted.

3. A package tying and carrying device including a flexible band having a coating of adhesive on one side thereof, a strip-like member extending longitudinally along the other side of said band and having a looped section forming a package-carrying handle, and pasters adhesively secured to the latter side of said band over the portions of the strip-like member extending outwardly beyond the looped section thereof, to firmly secure said strip-like member to said band.

4. A package tying and carrying device including a band having a coating of adhesive on one side thereof, a strip-like member extending longitudinally of said band and provided with a looped section forming a package carrying handle and wire staples passing through said band and around the portions of said strip-like member extending outwardly beyond its looped section.

5. A package tying and carrying device including a flexible band having a coating of adhesive on one side thereof, a strip-like member extending longitudinally of said band and having a looped section extending from the other side of said band, a pair of backing strips extending longitudinally along said band in opposed relationship with respect to the portions of said strip-like member beyond said looped sections, and fastening means for securing said strip-like member and said backing strips to said band.

6. A package tying and carrying device including a flexible band having a coating of adhesive on one side thereof, a strip-like member extending longitudinally along the other side of said band, and having a looped section forming a package-carrying handle, a pair of backing strips disposed between the portions of said strip-like member beyond its looped sections and said band, and wire staples for securing said backing strips and said portions of the strip-like member to said band.

7. A package tying and carrying device including a flexible band having a coating of adhesive on one side thereof, a strip-like member extending longitudinally along the other side of said band and having a looped section forming a package-carrying handle, a pair of backing strips disposed on the coated side of said band in opposed relationship in respect to the portions of said strip-like member beyond its looped sections, and wire staples for securing said backing strips and said portions of the strip-like member to said band.

8. A package tying and carrying device including a band having a coating of adhesive on one side thereof, and a ribbon extending longitudinally of and adhesively secured to the other side of said band, and having a looped section centrally between the ends of said band to form a package-carrying handle and means extending over the width of said ribbon at the ends of the latter and securing the same to said band, that portion of the length of the band between the ends of said looped section being continuous and uninterrupted.

9. A continuous tape comprising a continuous band, having a coating of adhesive on one side thereof, a strip-like member extending longitudinally of said band on its other side fixed to said band at spaced sections thereof, and forming a series of spaced looped sections defining package-carrying handles, those portions of the length of the band between the ends of said looped sections of the strip-like member being continuous and uninterrupted.

10. A continuous tape comprising a continuous band having a coating of adhesive on one side thereof, a strip-like member extending longitudinally of said band on its other side, affixed to said band at spaced sections thereof, and forming a series of spaced looped sections defining package-carrying handles, those portions of the length of the band between the ends of said looped sections of the strip-like member being continuous and uninterrupted, and said tape having cut-outs determining lines of severance therebetween, whereby the portions of said strip-like member along said lines of severances are eliminated.

11. A package tying and carrying device including a band having two pairs of parallel edges, a coating of adhesive on one side thereof, and a strip-like member extending the entire distance between a pair of said parallel edges, the ends of said strip-like member being adhesively connected to said band and in spaced relation, said member having a looped section extending centrally between the ends of the band on the side thereof opposite that having the adhesive coating, and forming a package-carrying handle, the section of the band between the base ends of the looped section being continuous and uninterrupted.

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