

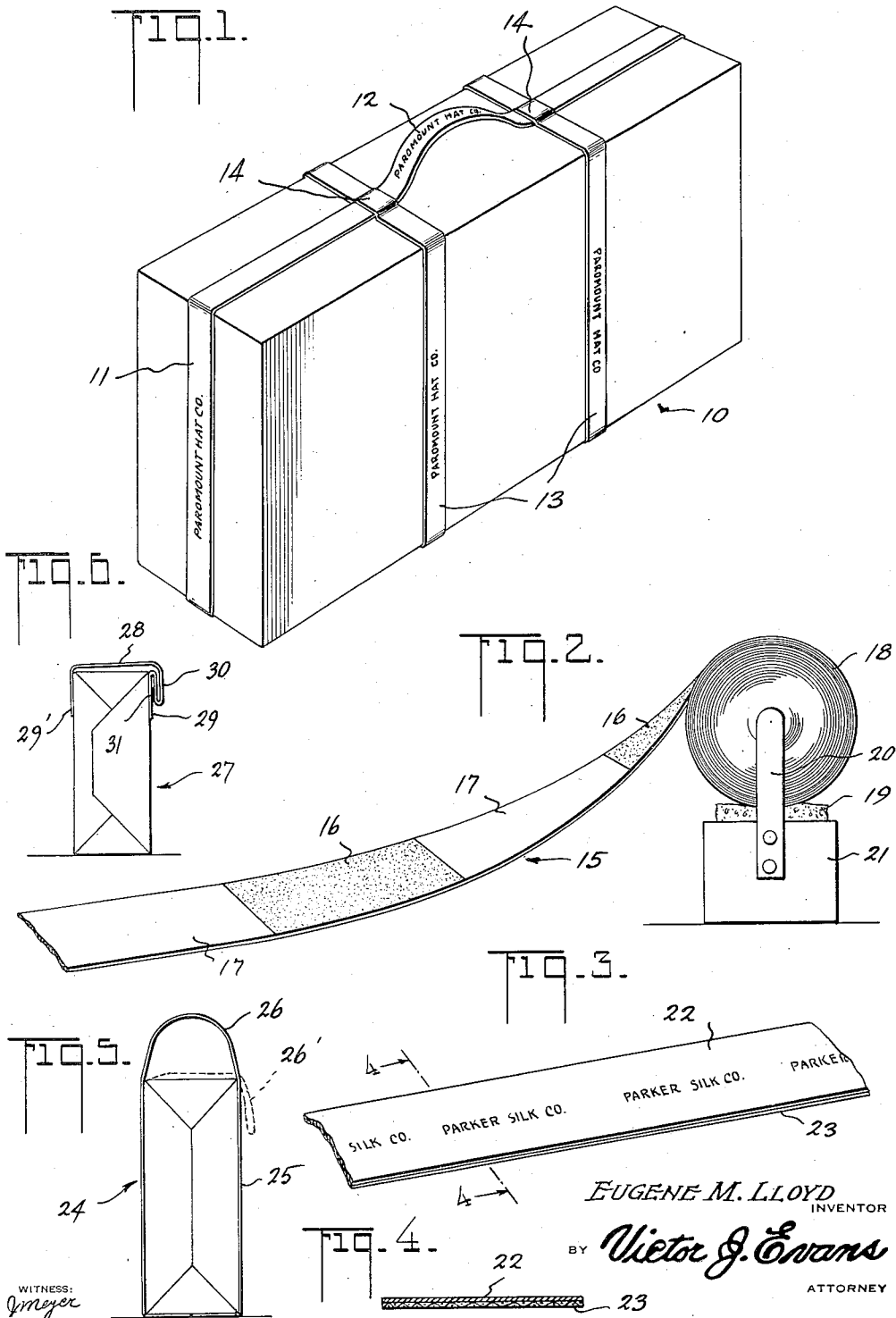
May 16, 1933.

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1,909,368

HANDLE STRUCTURE

Filed Sept. 8, 1930



## UNITED STATES PATENT OFFICE

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## HANDLE STRUCTURE

Application filed September 8, 1930. Serial No. 480,571.

This invention relates to a strip or tape-formed structure in general and particularly to the kind adapted to facilitate the construction therefrom of supports or handles for articles or parcels by means of which the latter may be carried or suspended.

One of the objects of this invention is to provide readily attachable handle forming means which will enable anyone to equip a relatively light parcel with a handling device or suspension, without resorting to tying the parcel with cord or other fastening means.

Another object of this invention is the provision of a strip-like device having attachable and non-attachable surfaces alternating one with another, and of which the non-attachable portions are held in place by the attachable portions and form handles by means of which a parcel equipped with the device may be carried.

Another object of this invention is to so provide a device of this kind as to render it strong enough in order to prevent its breaking when in use.

Other objects and advantages of the invention will be hereinafter specifically pointed out, or will become apparent, as the specification proceeds.

With the above indicated objects in view, the invention resides in certain novel constructions and combinations and arrangement of parts, clearly described in the following specification and fully illustrated in the accompanying drawing, which latter shows embodiments of the invention as at present preferred.

In the drawing:

Fig. 1 is a perspective view of a parcel equipped with my device.

Fig. 2 illustrates my invention in one of its preferred forms, coiled to a roll.

Fig. 3 illustrates a modified construction of my invention.

Fig. 4 is a cross-sectional view thereof, taken on lines 4—4 of Fig. 3.

Fig. 5 is an end view of a parcel provided with a handle forming strip of my construction, and

Fig. 6 represents a similar end view of a

parcel provided with a modified form of a handle forming strip.

Referring now more particularly to the figures, numeral 10, denotes a parcel, to the outer sides of which are attached strips of my construction. The longitudinally arranged strip 11 completely encircles the parcel and extends therefrom at 12, which extended portion forms a handle by means of which the parcel may be carried.

The two transversely arranged strips 13 overlap at 14 longitudinal strip 11 and secure the end portions of the handle extension to the parcel.

The construction of the strip is illustrated in Fig. 2, showing a preferred construction consisting of a tape-like member 15 provided with gummed attaching surfaces 16 and ungummed non-attachable portions 17 arranged in alternating order. For the strip material paper, cloth ribbons, cloth strips, felt or any other fabric may be employed and it is preferably so treated as to withstand the abuses to which the ungummed portions are subjected to when handles are formed therefrom.

In order that the strip may be made ready for its application to a parcel, I prefer coiling it up into a roll 18 with its gummed portions facing either way and engaged by a moistening member 19 disposed between the roll supporting arms 20 attached to base 21.

A modified construction of my strips is illustrated in Figs. 3 and 4, and consists of double ply tape. The outer layer 22 is preferably made of paper and is provided with advertising matter, as for instance, the name of the user. The inner layer 23 is preferably made of a textile or fabric product and forms a reinforcement for the outer layer and is provided with alternately ungummed and gummed inner portions, the latter attachable by moistening to a parcel, while the ungummed portions may be employed as handles.

It is obvious, that various other combinations of multiple ply strips may be provided for different uses and that the construction described in connection with Figs. 3 and 4 may be modified in that short paper portions,

not shown in the drawing, may be secured to the fabric side of the strip, and gummed at both faces so as to adhere with one face to the fabric and provide an attaching surface at its other face. In such construction the fabric portions left exposed between the paper strips are free of adhesive.

My invention lends itself to a further modification, particularly in connection with various parcels as shown in Figures 5 and 6.

In Fig. 5 a parcel 24 is provided with a continuous attaching strip 25 secured therewith its alternating attaching faces, while a comparatively long portion 26 is free of adhesives and is employed as handle. When not in use, and preparatory to the delivery of the parcel from the store room, the handle portion may be folded as indicated in broken lines at 26'.

A similar application is shown in Fig. 6, where to parcel 27 is attached near its top a handle forming member 28, the attached ends 29 and 29' of which are relatively short, while the handle portion is long and is folded upon itself at 30. Its folded end is secured to attached strip end 29 by means of a gum pellet 31 so as to stretch the handle member over the top of the parcel. In this manner the handle portion may be either brought out of the way or shortened to suit the corner of the parcel.

The hereinbefore described construction admits of considerable modification without departing from the invention; therefore, it is the wish not to be limited to the precise arrangements shown and described, which are as aforesaid, by way of illustration merely. In other words the scope of protection contemplated is to be taken solely from the appended claim, interpreted as broadly as is consistent with the prior art.

What is claimed as new is:

A continuous strip of material with which a plurality of packages may be wrapped, one side of said strip carrying spaced gummed areas alternating with ungummed areas, the length of said areas being small compared to the length of said continuous strip, said ungummed areas being adapted to function as handles when a portion of said continuous strip is wrapped around a package.

In testimony whereof I hereby affix my signature.

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