Jan. 8, 1929. 1,697,916

A. KAUFMANN

FRAMELESS BAG

Original Filed May 14, 1926

Fig. 1.

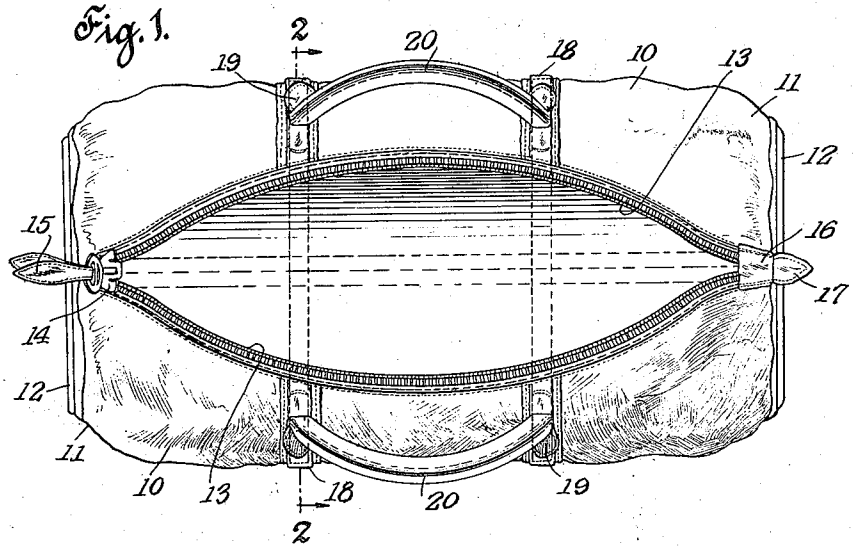


Fig. 2.

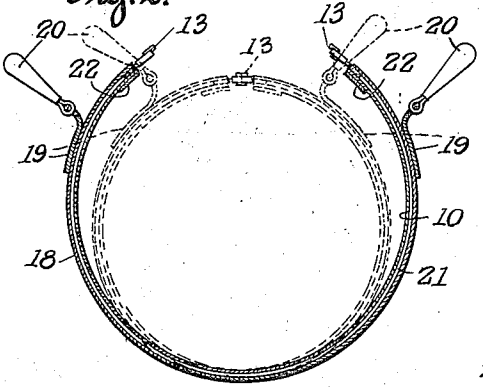


Fig. 3.

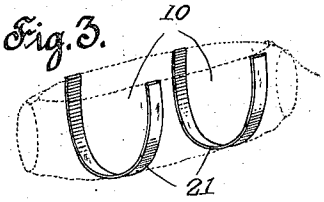


Fig. 4.

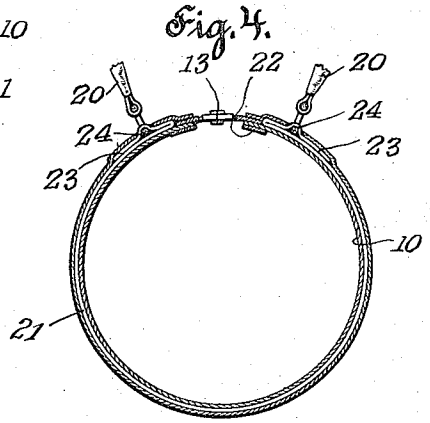
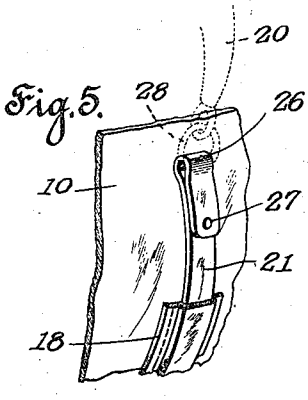


Fig. 5.



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UNITED STATES PATENT OFFICE

ARY KAUFMANN, OF NEWARK, NEW JERSEY, ASSIGNOR TO K. KAUFMANN & CO., OF NEWARK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

FRAMELESS BAG.

Application filed May 14, 1926, Serial No. 109,006. Renewed October 9, 1928.

This invention relates to bags, satchels, grips and like devices for conveying luggage of miscellaneous nature, and as a temporary depository for the same.

One of the objects of the invention is to provide a commodious bag structure in which the usual metal frames are entirely eliminated.

A further feature is in the provision of a bag in which a hookless fastener strip is used to connect the upper edges throughout their entire length, the same being instantly operated in either securing or disengaging the edges, whereby substantially the entire inner area of the bag becomes accessible or the bag opening held positively closed.

Another aim is to provide means for distending the bag fully at all times, whether filled or empty, open or shut, thus avoiding inconvenience in entering or removing articles and an objectionable appearance, due to collapse of the bag walls.

These several objects are accomplished by the novel construction and combination of parts hereinafter described and shown in the accompanying drawing, forming a material part of this disclosure, and in which:—

Figure 1 is a top plan view showing a preferred embodiment of the invention in an open position.

Figure 2 is a transverse sectional view taken on line 2—2 of Fig. 1 and showing in broken lines the position of parts when the bag is closed.

Figure 3 is a perspective view showing the spring stiffening ribs and indicating their position relative to the bag wall.

Figure 4 is a transverse sectional view of a modification in construction, the section being taken adjacent one of the ribs, with the walls closed.

Figure 5 is a fragmentary perspective view illustrating the construction and arrangement of the stiffening elements with respect to the wall.

The body or wall of the bag consists of a sheet of any preferred suitable flexible material, such as leather or strong textile fabric, the sheet being rolled to produce a substantially cylindrical body 10 contracted at its ends 11, these ends being provided with solid discs 12 inset and firmly secured.

The meeting edges of the bag body have secured on them strips of hookless fasteners 13 the interengageable elements of which are controlled by a runner slide 14 provided with operative grip handles 15 by which it is readily moved lengthwise the strips, uniting or separating them at will in a well understood manner, the ends of the strips being engaged in a sheath 16 one of which is provided with a pull tab 17 opposed to the grips 15.

At points equi-distant from the ends and center of the bag are secured straps 18 encircling the body from edge to edge and attached adjacent the ends of the straps are the ends 19 a pair of handles 20 by which the bag is normally carried.

It will be obvious that the light and limber material of the bag body, even with the supple straps 18, will collapse when rested on the bottom, rendering its appearance uncouth and, what is more important, the position taken by the collapsed walls is such as to seriously interfere with placing articles in the bag.

In order to distend the walls to avoid such undesirable conditions, maintain the bag in a constantly expanded position, and cause the same to open when the fasteners are released, a thin flat resilient strip 21 is enclosed between the straps 18 and wall 10, the ends of the strips being positioned closely adjacent the outer edges of the fastener strips 13, which latter members are overlaid by the ends of the straps 18 and further supported by longitudinally disposed edge reenforcements 22.

In the modification, shown in Fig. 4 the spring band strips 21 are bent over upon themselves, as at 23, and a loop 24 formed therebetween to receive one end of a link 25 connecting the handle 20.

As shown in Figure 5, a loop 26 is formed at the end of the strips 21, the loops being secured by rivets 27, and connected in the loop is a ring 28 to attach the handle 20.

Obviously other forms of attachment may be made between the handle and expanding bands.

While certain preferred embodiments of this device have been shown and described, it will be understood that changes in the form, arrangements, proportions, sizes and details thereof may be made without departing from the scope of the invention as defined in the appended claims.

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

1. A frameless bag comprising a pliable, substantially cylindrical body having rigid ends, there being a longitudinal opening in the body between said ends, means to engage and disengage the edges of the mentioned opening, straps fixed at spaced intervals circumferentially on said body, and spring strips disposed in said straps to expand said body when its edges are disengaged.

2. A frameless bag comprising a pliable cylindrical body having rigid heads at the ends, said body having a single longitudinal slit, hookless fastener strips secured on each side of the slit, a runner slide associated with said strip, straps stitched at their edges to extend in spaced relation circumferentially around the body transversely of the slit, spring strips confined by said straps to normally expand said body, and handles on opposite sides of the slit attached to said straps.

3. A frameless bag comprising a collapsible hollow cylindrical body reduced at its ends, rigid heads set in the ends of the body, said body having a slit extending between the heads, slide operated means for engaging and disengaging the edges of the slit, a plurality of resilient strips spacedly disposed over the surface of said body to hold it normally distended, said strips having loops at their ends, flexible straps confining said strips to the body, and handles fixed in strip loops on opposite sides of said body.

4. A frameless bag comprising a pliable, substantially cylindrical body having suitably disposed ends, there being a longitudinal opening in the body between said ends, means to engage and disengage the edges of said opening, a strap fixed circumferentially on said body and resilient means disposed in said strap to separate said edges when said engaging means is released.

5. A frameless bag comprising a pliable, substantially cylindrical body having suitably disposed ends, there being a longitudinal opening in the body between said ends, means to engage and disengage the edges of said opening, and resilient means extending circumferentially of said body to separate said edges when said engaging means is released.

This specification signed and witnessed this 13th day of May, 1926.

ARY KAUFMANN.