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T. J. DOWD

2,128,693

CHAIR SACK

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Fig. 1.

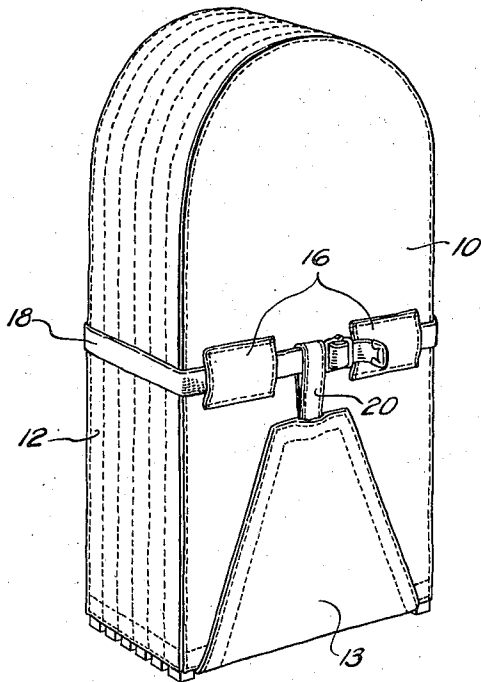


Fig. 2.

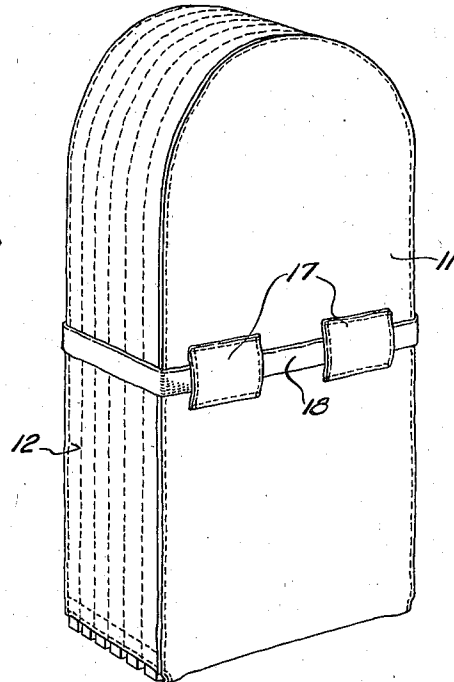


Fig. 3.

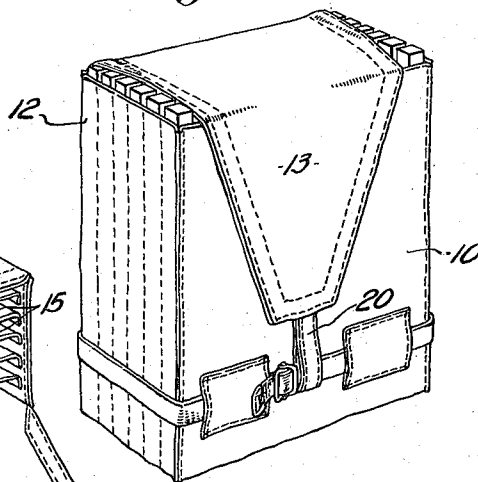
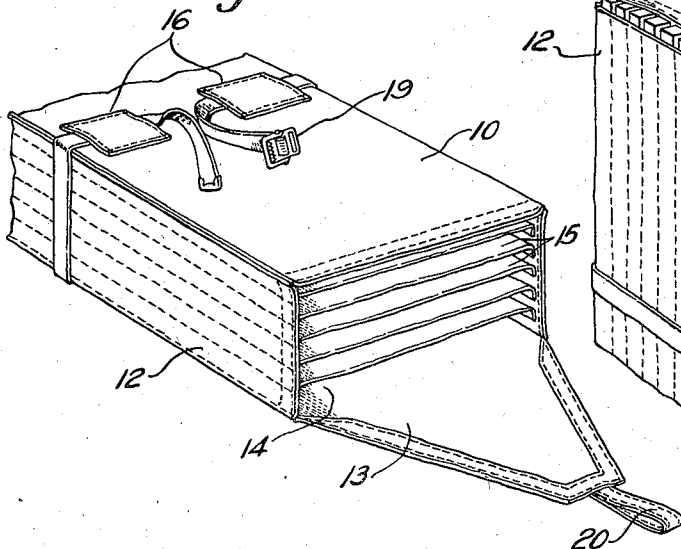


Fig. 4.



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CHAIR SACK

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2 Claims. (Cl. 150—52)

This invention relates to chair sacks, or containers for protecting and transporting such articles as collapsible chairs which are used, for example, by caterers and undertakers, and it has as its principal object the provision of a sack which is durable, fully protective, and readily removable and convenient to handle.

Heretofore, it has been proposed to provide a bag or sack for collapsible chairs, intended to protect the chairs during periods of storage, or while being transported to a place of use. Such sacks as have come to my attention are, however, open to the serious objections of undue cost, and complications in design which require the workmen to expend considerable time to remove or insert the chairs. Inasmuch as the saving of minutes in these operations effects a pronounced saving in costs, the provision of a durable and protective, yet quickly removable and easily transported sack, is highly desirable.

According to the present invention, there is provided a chair sack in the form of a bag having an open end and formed with a number of compartments, so that each sack may snugly receive say six chairs. The open end of the sack is adapted to be covered with a closure flap, of such length and disposition that it may be secured to hold the chairs in place, and quickly released to permit all of the chairs to be removed in one operation.

The invention may be fully understood from a perusal of the following description of a specific embodiment, illustrated in the accompanying drawing, wherein:

Fig. 1 is a perspective of the sack disposed in an upright position, with the closure flap secured;

Fig. 2 is a perspective of the sack, viewed from the opposite side;

Fig. 3 is a fragmentary perspective of the bottom of the sack, inverted from the position of Fig. 1; and,

Fig. 4 is a fragmentary perspective showing the sack disposed on its side with the flap opened to show the interior compartment construction.

As it will readily appear from the drawing, the sack is in the form of a bag, made of suitable fabric, having front and rear sides 10 and 11 having a contour similar to that of the collapsed chair, and a continuous side wall 12 determining the depth of the bag. The rear wall 11 is formed with a triangular extension 13, of such width and length that, when it is folded over the open end 14, it lies between the side walls 12 and extends to about the mid-point of

the front wall 10. The interior of the sack is provided with a number of regularly spaced fabric partitions 15, sewed to the side walls 12, to provide individual compartments for the chairs.

In Figs. 1, 2, and 3, the sack is illustrated with the chairs in place,—the rounded parts of the backs being disposed adjacent the rounded part of the side wall 12, with the feet projecting a slight distance beyond the end of the bag. When the triangular flap 13 is folded over, as shown in Figs. 1 and 3, the bag is substantially closed against the entrance of dust, as the flap occupies practically all of the space between the feet. Due to the slight projection, however, the nest of chairs is self-supporting, and the package may thus be stored or temporarily placed by itself in the upright position shown in Figs. 1 and 2.

The front and rear walls 10 and 11 are provided with pairs of transversely disposed and spaced guides 16 and 17, which are sewn to the bag walls along their upper and lower margins. These guides receive a securing strap 18, the buckle 19 of which is positioned between the guides 16 on the front wall 10. The triangular extension 13 is formed with a strap loop 20, of such length as to encircle the strap 18 when the flap 13 is pulled up snugly against the open end of the bag.

With the bag loaded and the flap 13 folded over and the strap 18 buckled, it will be observed that the chairs in the sack are firmly secured in a substantially solid package which is self-supporting. Only a single connection need be secured or released in operating the sack, although the chairs are secured from movement in any direction. These features are highly desirable, in connection with the conditions under which the sack and nested chairs are employed.

Usually, the chairs, in their sacks, must be loaded into the transport van, taken to their destination, and removed and set up by one or two workmen, in a limited period of time. The nature of the present invention is such as to facilitate these operations. A workman may, by grasping the sack under the arm pit, with the hand engaging the strap portion between the guides 16 or 17, readily carry two units at one time. Since an upward pull on the strap merely tends to tighten the sack on the chairs, such manipulation does not cause the sack to be pulled off or the bundle to become loosened. Upon putting down the loaded sack, the entire bundle becomes self-supporting, and the workman then simply loosens the buckle 19 while

bending over the sack, thus permitting the free end of the flap 13 to fall on the floor. An upward pull on the top of the sack then frees all six chairs at once, thereby making the operation of moving and unloading the chairs extremely simple.

When it is desired to fill the bag, the chairs may be inserted with the sack in the positions shown either in Fig. 3 or Fig. 4, and, as there is only one strap to secure in order to bind the chairs both longitudinally and circumferentially, it will be understood that the filling operation may also be carried out expeditiously.

I am aware that it has heretofore been proposed to provide bags for collapsible chairs, and to have a plurality of straps to secure the package, and therefore it will be understood that I do not intend to claim all forms of such devices. I do, however, intend to encompass within the scope of the following claims all such modifications and variations of the specific embodiment herein described as embody the novel features thereof.

I claim:

1. A chair sack comprising a fabric bag having an open end and substantially rectilinear front, rear, and side walls, a closed end adapted to conform to the configuration of the tops of chairs disposed therein, the relative dimensions of the length and width of the sack with respect to the chairs being such that the feet of the chairs may project slightly beyond the open end of the sack, whereby a plurality of chairs positioned in the sack may stand upright on their own closely spaced feet, an extension flap formed contiguous with one of said walls adjacent the open end,

said flap being of such length as to overlie the open end and extend up the opposed side wall, whereby said chairs are covered except for the said projecting feet, a transverse securing strap positioned around said front, rear, and side walls, means on the strap ends for securing the strap in encircling position, and means on the end of the flap adapted to engage the strap adjacent its secured ends to hold said flap in tight position over the open end of the sack.

2. A chair sack comprising a sewn fabric bag having front and rear walls, a side wall extending between the front and rear walls and enclosing one end of the bag, the opposite end of the bag being open, a plurality of fabric partition walls uniformly spaced between the side walls whereby the bag may receive a number of collapsed chairs, the relative dimensions of the bag to the chairs being such that the feet of the chairs may project from the open end a slight distance, an extension flap continuous with one of said walls parallel to said partition walls, said flap being of such length as to overlie said open end and extend partly up the opposed wall, said flap being of such width as to cover substantially all of the space between said side walls, a loop formed on the end of the flap, a plurality of transversely disposed strap guides on the walls of the bag between the ends thereof, a strap positioned in said guides to encircle the bag, a securing means on the strap to secure the ends thereof together, said strap being also adapted to receive said loop to hold the flap tightly over the open end when the bag is loaded.

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