March 29, 1949. D. J. COFFEY 2,465,847

PORTABLE UTILITY BAG

Filed Oct. 23, 1946

Fig. 1.

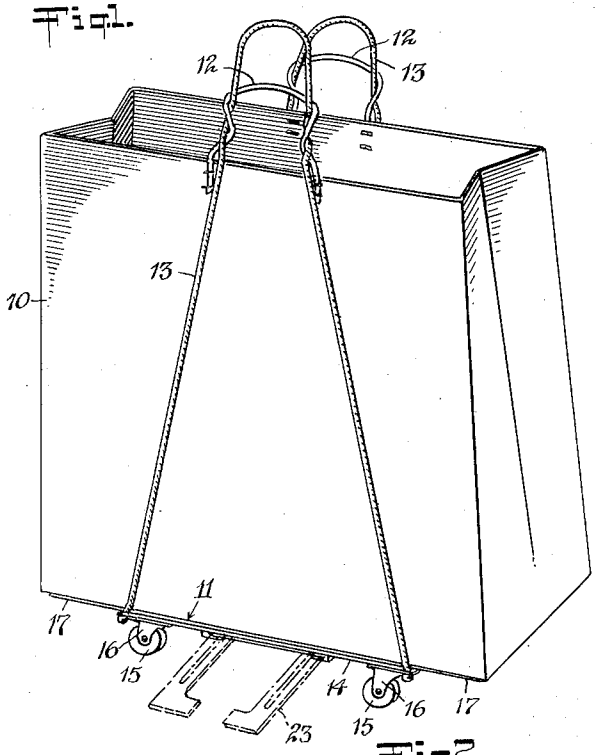


Fig. 4.

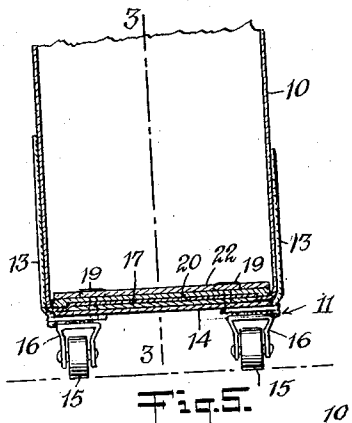


Fig. 5.

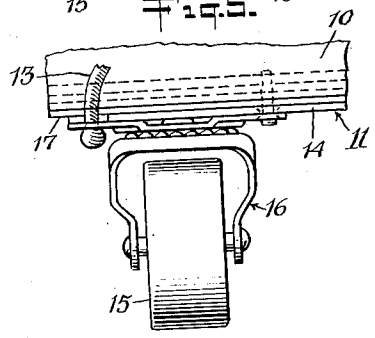


Fig. 2.

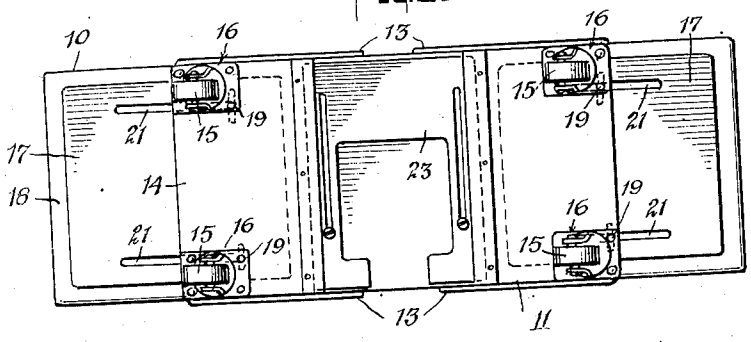
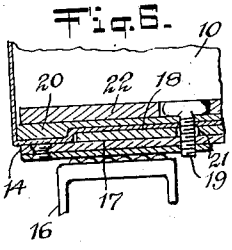


Fig. 6.



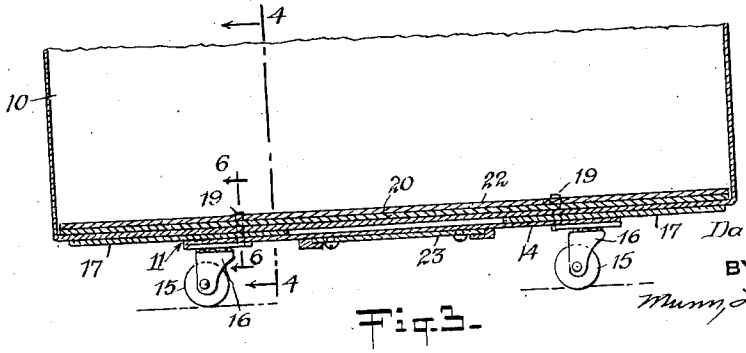


Fig. 3.

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UNITED STATES PATENT OFFICE

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PORTABLE UTILITY BAG

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Application October 23, 1946, Serial No. 705,186

3 Claims. (Cl. 280—35)

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This invention relates to a portable general utility bag having means for transporting the bag when loaded over pavement.

The principal object of the invention is the provision of a bag of the indicated character to make it easy for a person to convey or tote various articles from one place to another.

Also, in accordance with the invention, the bag, provided with a traction unit, may be rolled or folded when empty to be carried about conveniently. The traction unit is applicatble to the bottom of the bag in such manner that the bag, in the event it becomes torn, may be easily replaced. The bag may be used by shoppers in purchasing and transporting articles of merchandise. Workmen may use the bag to keep tools therein and to move them about on the job. The bag besides being provided with a traction unit will have the bottom thereof reinforced, thereby prolonging the life of the bag.

The nature of the invention and its distinguishing features and advantages will appear when the following specification is read in conjunction with the accompanying drawing, in which—

Fig. 1 is a perspective view of a bag equipped in accordance with the present invention.

Fig. 2 is a bottom plan view.

Fig. 3 is a fragmentary longitudinal sectional view, the section being taken as indicated by the line 3—3 of Fig. 4.

Fig. 4 is a sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is an enlarged fragmentary end view showing certain features.

Fig. 6 is an enlarged sectional view taken on the line 6—6 of Fig. 3.

In the drawing a bag 10 has a traction unit 11 applied to the bottom thereof, and means 12 on the bag, and/or means 13 connected with certain parts of the traction unit 11 serve for carrying or toting the bag.

It is to be understood that the bag 10 may be made of stout paper or canvas, and the bag may be of any size. When made of paper the bag will have the usual side creases so that the bag may be folded or collapsed to a flat condition for further folding or rolling about the traction unit into compact condition to be carried about when the bag is empty. In case the bag is made of canvas it need not be creased since it easily may be rolled in the manner and for the purpose stated.

The traction unit 11 comprises an oblong platform 14 and traction rollers 15 carried by casters 16 secured in any suitable manner to the platform 14 on the underside. Four casters are provided in the present instance, there being one at each corner of the platform. This platform may be made of metal, wood, fiber board or any other suitable material. Slotted extension plates 17 are slidable on the platform 14 for bags of different sizes.

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The traction unit 11 is detachably secured to the bottom 18 of the bag by means of screw eyes, cross-head screw bolts, or other analogous elements 19, screwed into the casters 16 and the platform 14, and extending upwardly through the plates 17, bottom 18 and an oblong clamping plate 20, there being slots 21 in the plates 17 which register with oblong holes in the bottom 18 and plate 20 for that purpose. The plate 20 is arranged inside the bag upon the bottom 18, after which the elements 19 extending upwardly through the holes are given a quarter turn to keep the plate 20 in place with the bottom 18 clamped between the plates 17 on the platform 14 and the plate 20. The plates 17 and 20 may be made of metal, wood, cardboard or the like. It will be appreciated that the platform 14 and the plates 17 and 20 reinforce the bottom 18 of the bag.

If desired, an oblong piece 22 of corrugated cardboard may be laid upon the plate 20 to cover the heads of the elements 19 to protect the body of the bag when it is rolled about the platform 14 and its rollers 15.

The means 12 consist of cord handles secured to the open end of the bag. The means 13 consist of loops of flexible strand material such as nylon secured to the platform 14 at opposite sides thereof. The handles 12 may be used for light loads. The loops 13 being secured to the platform 14 take the strain off the bag 10 and may be used for toting the bag when it is filled with heavy articles or tools. These handles and loops serve for suspending the bag in a case where the bag is used by a workman, to hold his tools up off the floor. A slidable holder 23 on the underside of the platform 14 may be slid to extend laterally outward, as shown in Fig. 1, for the purpose of supporting one or more tools when not in use, but readily accessible.

The securing elements 19 remain with the traction unit 11. The bag as manufactured may have the necessary holes in the flat bottom thereof to correspond with the elements 19, or the user may easily cut the holes in the bottom of a conventional bag.

To replace a bag, the protecting piece 22 is first removed. Then each of the elements 19 is given a quarter turn. Next the plate 20 is re-

moved from the bag, after which the traction unit may be readily separated from the bag. By reversing these operations the traction unit may be secured to a new bag.

The use of the plates 17 enables the application of the traction unit to bags of different sizes. It is to be understood, however, that the plates 17 may be arranged on the inside of the bag.

I claim:

1. The combination of a bag whose bottom may be spread flatwise, a traction unit for the bag, said unit comprising a platform and traction rollers on the underside of the platform, an oblong clamping plate having slots therein for arrangement within the bag upon the bottom, and turnable securing elements on said platform which extend through said bottom and said slots for the purpose of engagement with the plate thereby securing the bag upright upon said platform with the bottom of the bag clamped flatwise between the platform and the plate.

2. A traction unit for a bag comprising the combination of an oblong platform having traction means on the underside thereof, securing elements on the platform extending upwardly therefrom, and an oblong bag bottom clamping plate overlying the platform, said plate having slots therein which receive said elements while extending upwardly through the bag bottom resting on the platform, said elements causing a clamping pressure on the plate which in turn clamps the bag bottom against the platform, thereby securing the bag to the unit.

3. A traction unit as set forth in claim 2, and extension plates on the platform having longitudinal slots receiving the securing elements for adjustment of the extension plates to increase the supporting area of the platform for bags of different sizes.

DANIEL J. COFFEY.

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