Sept. 7, 1954 P. M. DAVISON 2,688,429

HANDY FREEZER BOX OR BAG FILLER

Filed July 13, 1953

FIG. 1

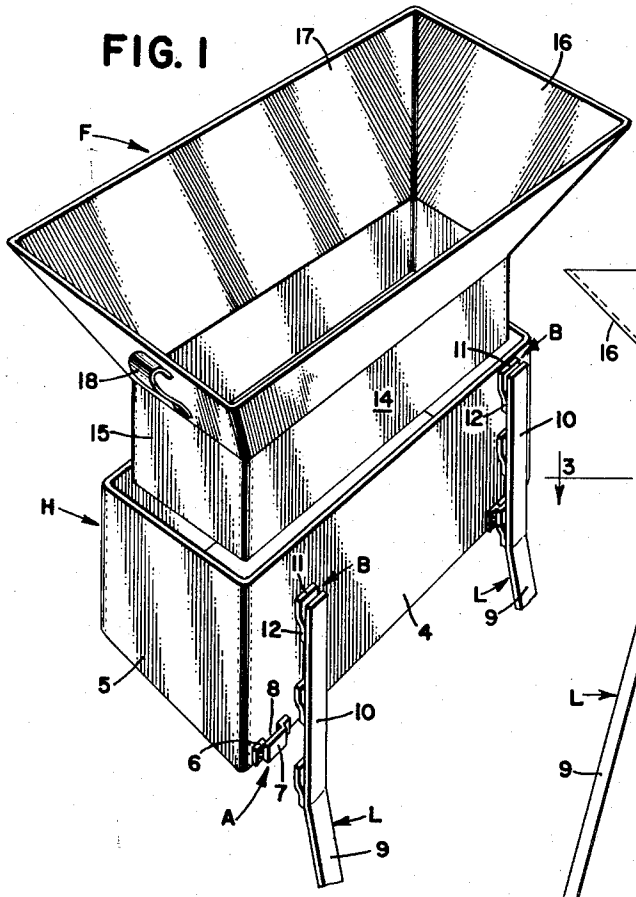


FIG. 2

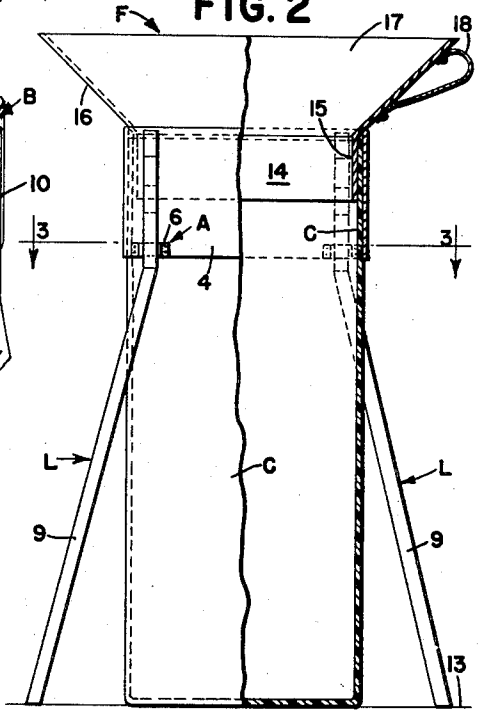
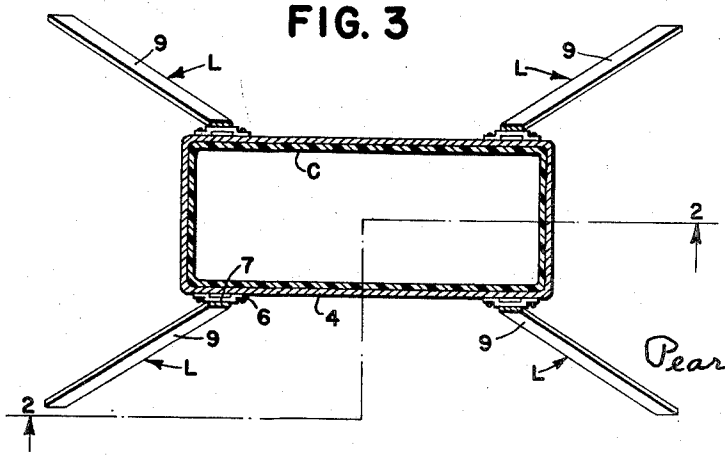


FIG. 3



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HANDY FREEZER BOX OR BAG FILLER

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5 Claims. (Cl. 226—31)

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The main object of this invention is to provide a bag holder and filler which is adjustable to fit boxes or bags of substantially the same size opening but of variable height. The invention is specially adapted to fill standard plastic freezer boxes and bags of the quart, three-fourth quart and pint sizes, the openings of which are approximately the same, the bags varying in height.

Other objects are to provide a filler which will also firmly hold the bag in place for filling, and in which the adjustment is simple, and which will eliminate the usual spillage and inconvenience in filling bags of this character.

In the drawings, in which the parts are shown somewhat separated:

Fig. 1 is an unassembled perspective view of the holder filler;

Fig. 2 is a vertical cross section of the device taken on the line 2—2 of Fig. 3;

Fig. 3 is a horizontal cross section taken on the line 3—3 of Fig. 2.

The filler comprises a holder in which the top of a bag is received; a funnel F which fits within the top of the bag and holds it against the holder, and a set of legs detachably and adjustably attached to the holder to support it at the proper height above a table top, or other surface, for filling any one of a set of standard sized bags.

The holder H comprises a rectangular frame, having sides 4, ends 5, but open at the top and bottom. At each end of each side, near the bottom, are leg brackets A. These brackets are made of sheet material, and are bent so that there are feet 6 and spaced portions 7. The brackets A are secured to the holder by fasteners passing through the holder and the feet. Thus between each bracket and the holder is an elongated slot 8.

The legs L have an elongated, downwardly and outwardly extending portion 9 and a vertical portion 10. On the vertical portion 10 are a plurality of spaced projections B, each consisting of a portion 11 parallel to and slightly spaced from the vertical leg portion 10, and a connecting portion 12 which is permanently secured to the leg portion 10.

As shown in Figs. 2 and 3, the spacings and dimensions of the parts are such that any selected projection B may be inserted with a snug fit into the slot 8 of the bracket A, and that when all the legs are so attached by insertion of the corresponding projections in the respective slots, and the device resting vertically with the

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legs on a table surface 13, the weight of the parts acts to securely hold the parts in assembled arrangement.

It has been found that in the filling of freezer bags, for which this device is specially adapted, the portions 10 of the legs should be about 8¾ inches long, and that the spacing of projections B should be 1 inch; the sides 4 and 5 of the holder should be 3¾ inches and 1⅝ inches respectively, the height being two inches. With these dimensions and the lowest projections B engaged, a standard one pint plastic freezer bag C will be nicely received therein, the top thereof extending substantially to the top of the holder H, as shown in Fig. 2. At this time the funnel or filler F may be inserted into the bag. This funnel consists of a rectangular lower portion having sides and ends 14 and 15, and flaring portions 16—17. The rectangular portion may be 1⅜ inches by 3½ inches, for the embodiment chosen. A handle 18 may be provided. When placed in the bag, as above described, the funnel will retain itself and also retain the bag in circumferential slot between the holder on the outside and the funnel on the inside. The bag may now be filled through the funnel top, with no danger of spilling the filling material or upsetting the bag.

When it is desired to fill a standard three-quarter quart freezer bag, the apparatus is assembled so that the middle projections B are engaged with the brackets A. When it is desired to fill a quart bag, the top projections B engage brackets A. Using the dimensions stated above, a nice fit is obtained for all three bags, since the tops of the bags are approximately equal, and the difference in height is compensated for by the adjustment provided by the bracket A engaging a selected projection B on each leg.

The filler may be constructed of aluminum, plastic, or other suitable material.

What therefore I claim as my invention is:

1. A container filler comprising a container holding member of a size and shape to fit around the top of a container to be filled, a filling funnel with a lower portion of a size and shape to fit within said holding member when the container is held therein, a plurality of leg members for supporting said holding member, and attaching means detachably connecting each leg member to said holding member, comprising a plurality of vertically spaced attaching elements on one of said members, and an interengaging attachment element on the other of said members so

that the height of the holding member may be adjusted to the height of said container.

2. The structure of claim 1 wherein the holding member and said funnel are rectangular in shape.

3. The structure of claim 1 wherein the said plurality of spaced attaching elements comprise projections, and the interengaging attachment element comprises a sleeve fitting therearound.

4. The structure of claim 3 wherein the sleeve is mounted on the holding member, and the projections are mounted on the leg members.

5. The structure of claim 1 wherein the upper portion of said funnel flares upwardly and outwardly from said lower portion.

References Cited in the file of this patent

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