

Oct. 11, 1960

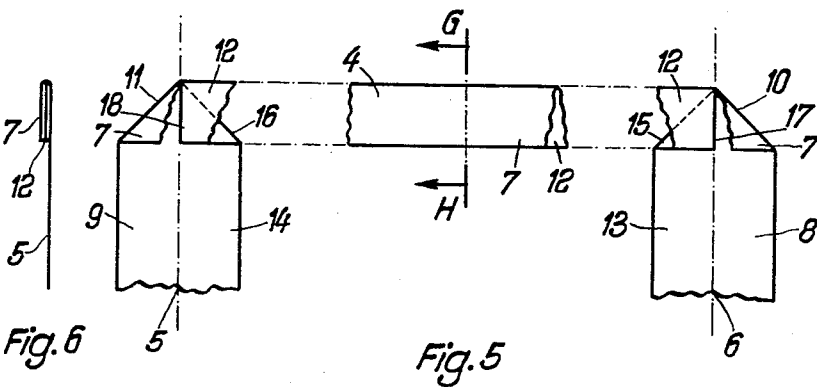
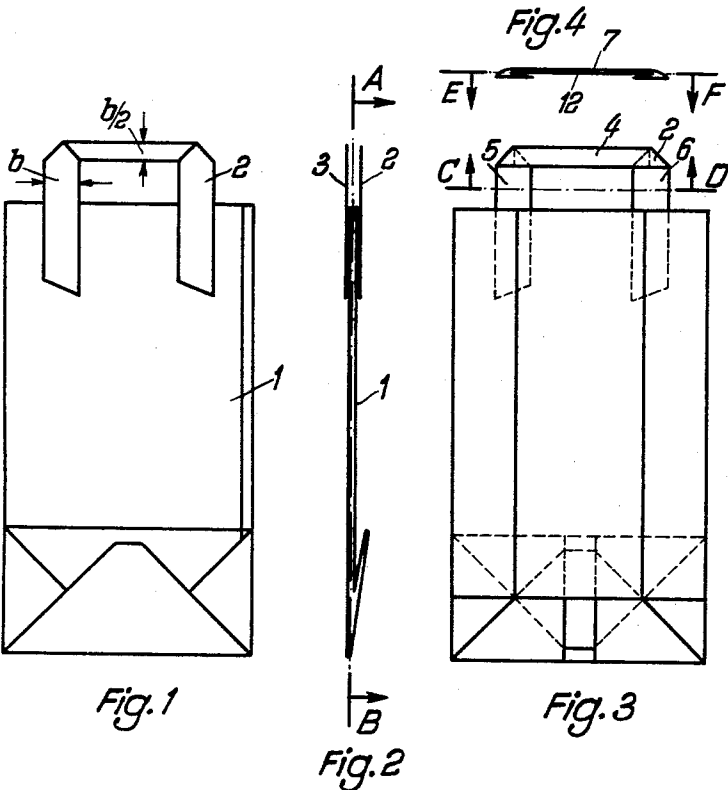
A. FINKE

2,955,740

HANDLE FOR CARRIER BAGS

Filed Aug. 22, 1958

2 Sheets-Sheet 1



Inventor:

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Per [Signature]

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FIG. 7

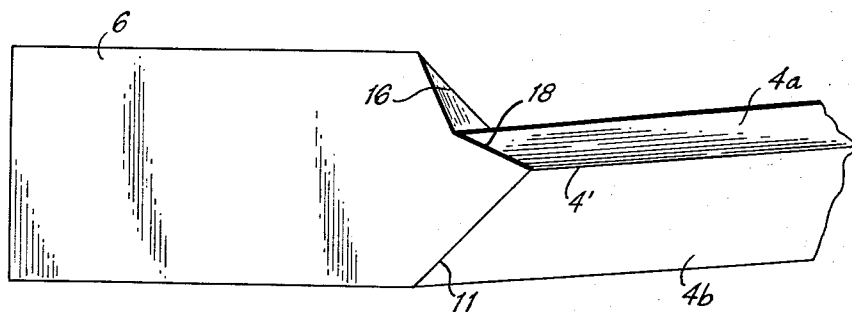
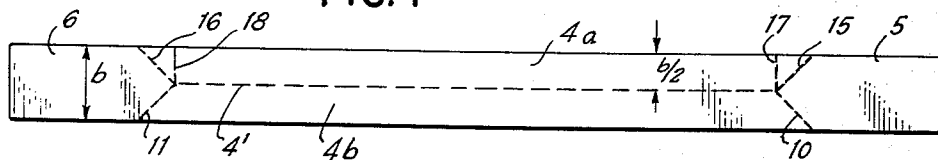


FIG. 8

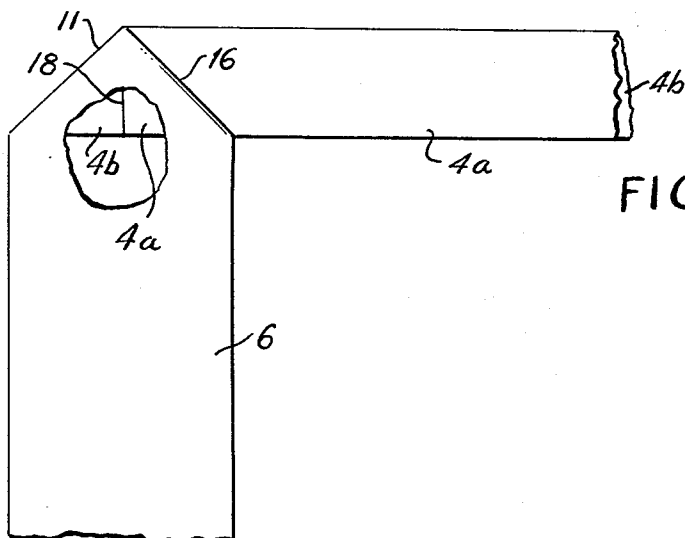


FIG. 9

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HANDLE FOR CARRIER BAGS

Arno Finke, Lengerich, Germany, assignor to Windmüller & Hölscher, Lengerich, Germany, a German firm

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1 Claim. (Cl. 229—54)

The purpose of the present invention is to create a handle for a carrier bag made of paper or the like, which is more comfortable to use than the handles for such carrier bags hitherto customary.

The chief drawback in the conventional U-shaped handles for carrier bags is that their central or grip portion is too wide, having unnecessarily the same width as that needed for adequately securing the leg portions of the handle to the side walls of bag.

The object of my invention is to provide a handle which is easy and comfortable to grasp without impairing its strength and which can be easily manufactured. According to my invention the handle being folded from a flat strip of material such as paper has in its central or grip portion only one half of the width of the strip and of its leg portions which are secured for example glued to the side walls of the bag.

The invention will now be further described with reference to the accompanying drawings in which:

Fig. 1 shows in front view a planar collapsible carrier provided with a pair of handles,

Fig. 2 shows a side view thereof,

Fig. 3 shows a section along line A—B of Fig. 2,

Fig. 4 shows a section through one of the handles along line C—D of Fig. 3,

Fig. 5 shows in larger scale a particularly sectional view, along line E—F of Fig. 4, of one of the two handles,

Fig. 6 shows a sectional view along line G—H of Fig. 5,

Fig. 7 shows a top view of the strip of foldable material from which a handle is made,

Fig. 8 shows in still larger scale a perspective view of the left half of said strip in an intermediate folding position, and

Fig. 9 shows a front view, partly in section, of said half of the foldable strip in final folded position.

The bag 1 made of paper or other suitable material is provided with U-shaped handles 2 and 3 each secured with its leg portions 5, 6 to one side wall of the bag adjacent the mouth thereof.

Each handle is made from a flat strip of foldable ma-

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terial, such as paper, having the width b as shown in Fig. 7. The central portion of said strip is folded along a longitudinally extending center line 4' dividing said strip in portions 4a and 4b each having the width $b/2$. These portions 4a and 4b after having been folded into the same plane form the grip portion of the handle.

The end portions 5 and 6 of the strips after having been folded form the leg portions of the U-shaped handle and they are attached in customary manner, for example by gluing to one side wall of the bag near its mouth. These end portions 5, 6 are folded along a V-shaped fold having its vertex in the respective end points of said center line 4' and composed of the fold arms 10, 15 and 11, 16, respectively, which include an angle of 90° and which symmetrically diverge toward the neighboring end portion of the strip. Each leg forming end portion 5, 6 is folded back into the plane of the folded middle portion of the strip along one of said fold arms 10 and 11, respectively, and along the other fold arm 15, and 16, respectively, and a folding line 17 and 18, respectively, which extends away from the vertex end of the fold arm 10 or 11, respectively, vertically to said center folding line 4'.

Thus the grip portion of the handle formed by the folded halves 4a and 4b of the central portion of the strip is made easier to grasp and to hold without impairing the strength of the handle.

While one embodiment of my invention has been shown and described in detail to illustrate the application of the principle of my invention it will be well understood that the same may be otherwise embodied without departing from such principles and without avoiding my appended claim.

What I claim as my invention is:

In combination with a planar collapsed paper or similar bag having a pair of opposed side walls extending adjacent each other: a U-shaped handle consisting of a strip of foldable material and secured with its outer leg forming portions to one of said side walls adjacent the mouth of the bag; said strip folded in its middle portion along the longitudinal center line thereof; each of said outer leg forming portions of the strip folded along a V-shaped fold having its vertex in the end point of said center line of said middle portion; the arms of said V-shaped fold including an angle of 90° and symmetrically diverging toward the neighboring end of the strip; and each leg forming strip portion folded back into the plane of the folded middle portion along the fold arm situated in said plane and along the other fold arm and a folding line extending away from the vertex end of said first named fold arm vertically to said center line.

References Cited in the file of this patent

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