My invention relates to paper bags especially the square-bottom type, and has for its object the providing of the bottom of this type of bag with a handle by which the bag may be carried about when filled, and which will not interfere with the tying-up of the bag when filled.

Preferably, I attain this result by fastening to the bottom of the bag a strip of folded fabric, the portions adjacent the fold of the strip being glued together and cut out to provide a hand-hole, one side of which registers approximately with the fold of the bottom of the bag when the latter is flattened out.

And preferably this reinforcing bottom strip is made flexible along the bottom of the bag so that when the latter is set up the handle portion may be arranged flatwise against the bottom of the bag, and thus not interfere with the standing up of the bag.

A further object of my invention is so to arrange the bottom reinforcing handle strip of the bag so that the side portions thereof affixed to the bottom of the bag will extend approximately to the lateral edges of the bottom of the bag when the latter is set up, thereby to provide a protective bearing surface on which the string tying up the bag may bear, to prevent the string cutting through the bottom of the bag which, however, is not necessary at the top of the bag as it is commonly folded over several times when filled and tied and hence no reinforcing is required at that point as at the former.

The above mentioned features of my invention are hereinafter fully described with reference to the accompanying drawings, in which:

Fig. 1 shows a perspective view of a satchel-bottom bag as provided with my bottom reinforcing handle;

Fig. 2 shows by itself a perspective of the handle-strip to be fastened to the bottom of the bag;

Fig. 3 is a diagrammatic section of my bag taken approximately on the line 3—3 of Fig. 1 illustrating how the side strips are fixed to the bottom of the bag;

Fig. 4 is a diagrammatic section of my bag similar to Fig. 3, illustrating by dotted lines that when the bag is set up the handle strip fixed to the bottom of the bag may be arranged flatwise with the bottom so that the bag may be readily stood up; and

Fig. 5 shows a diagrammatic perspective view of my bag filled and tied up, and illustrates that the side portions of the handle-strip fastened to the bottom of my bag provide a reinforcement for the bottom, on which the string tying the bag may bear, the reinforcement serving to prevent the string cutting through the bottom of the bag.

To the bottom of the bag a which is of the usual type used in grocery stores and the like, is fixed a satchel-like handle b. The handle b is cut out of a piece of material of substantially rectangular shape corresponding in length with that of the bag bottom. The piece is folded along its longitudinal middle upon itself; as shown in Fig. 2. The sections adjacent the fold are cemented together on the lines f, see Fig. 1, located between the longitudinal edges of said piece. The portions d and e extending beyond said line will thus form a dihedral angle, and these portions are cemented to the bag bottom on the opposite sides of the fold thereof. In this way such portions d, e, provide reinforcement for the bottom of the bag not only increasing its strength but also preventing the cutting of the bag fabric at the bottom when tied with twine after being filled. The section of the piece extending from the bag bottom, that is the part b, is cut out to provide a hand-hold c. The folds f' and g, having reference to Fig. 2, are creased so that the section b extending from the bag bottom is adapted to be folded against either side of the bag bottom to facilitate the standing up of the bag.

I claim:

1. The combination with a foldable bag of the square-bottom type, of a handle affixed to the bag bottom and composed of a piece of material folded at its longitudinal mid-
dle upon itself, the sections adjacent the fold being cemented together to a line parallel with and lying between the longitudinal edges of said piece, the portions of said piece extending beyond said line forming a dihedral angle whose faces are cemented to the bag bottom on the opposite sides respectively of its fold, to reinforce the bag bottom and the section of the piece extending from the bag bottom being cut out to provide a hand-hold.

2. The combination with a foldable bag of the square-bottom type, of a handle affixed to the bag bottom and composed of a substantially rectangular piece of material corresponding in length with that of the bag bottom, the piece being folded at its longitudinal middle upon itself, the sections adjacent the fold being cemented together to a line parallel with and lying between the longitudinal edges of said piece, the portions of said piece extending beyond said line forming a dihedral angle whose faces are cemented to the bag bottom on the opposite sides respectively of its fold, to reinforce the bag bottom and the section of the piece extending from the bag bottom being cut out to provide a hand-hold.

3. The combination with a foldable bag of the square-bottom type, of a handle affixed to the bag bottom and composed of a piece of material folded at its longitudinal middle upon itself, the sections adjacent the fold being cemented together to a line parallel with and lying between the longitudinal edges of said piece, the portions of said piece extending beyond said line forming a dihedral angle whose faces are cemented to the bag bottom on the opposite sides respectively of its fold, to reinforce the bag bottom, the section of the piece extending from the bag bottom being cut out to provide a hand-hold and the handle piece being creased along said line, whereby the section extending from the bag bottom is adapted to be folded against either side of the bag bottom when the bag is stood up.

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