June 17, 1958 F. A. CHIDSEY, JR 2,839,235

CAN HOLDER AND BLANK THEREFOR

Filed Dec. 7, 1955

Fig. 2

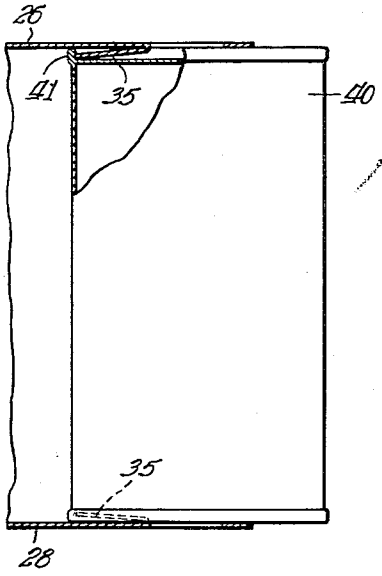


Fig. 1

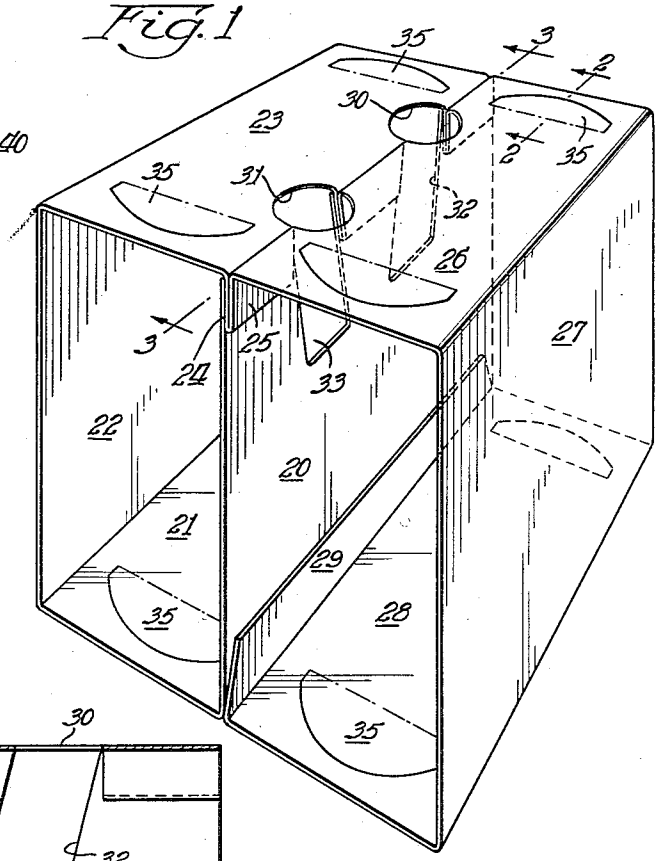


Fig. 3

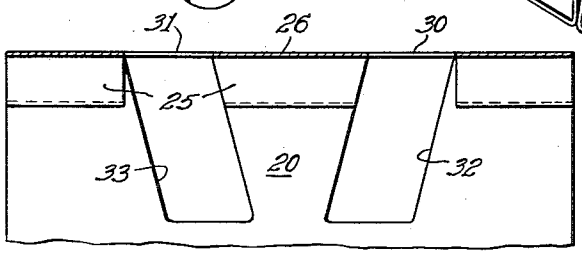
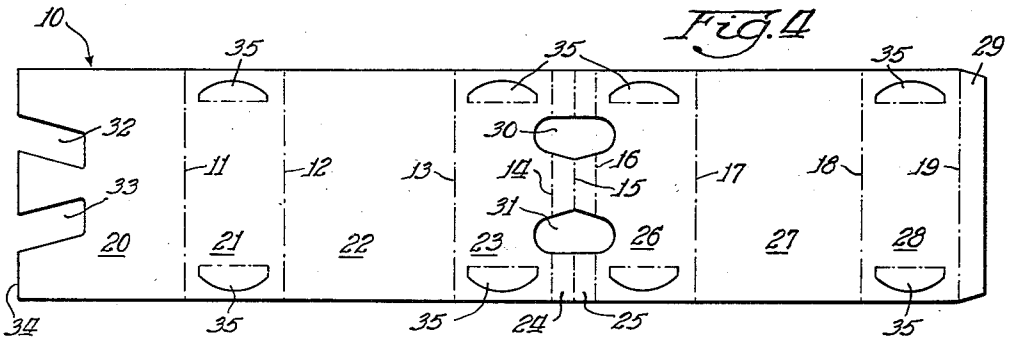


Fig. 4



Inventor:
Francis A. Chidsey, Jr.
By: C H Seeley.
Atty.

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2,839,235

CAN HOLDER AND BLANK THEREFOR

Francis A. Chidsey, Jr., Wayne, Pa., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application December 7, 1955, Serial No. 551,551

2 Claims. (Cl. 229—40)

This invention relates to can holders of foldable paperboard or the like which are adapted to hold a plurality of cans in a single merchandising unit. More particularly it relates to such a can holder adapted to hold cans of the chime end type in two rows of two or more cans each. In one of its aspects the invention also relates to a blank adapted to be formed into an improved can holder of the type described.

It is an object of the invention to provide a new and improved paperboard can holder for the packaging of a plurality of chime end cans into a single unit. Another object is to provide a can holder of the tubular open end type for the retention of two rows of cans which is exceptionally sturdy and capable of withstanding the stresses of handling and shipment. Still another object is to provide such a can holder which is simple in construction and economical to manufacture in large quantities. A further object is to provide a novel blank for the manufacture of such a can holder formed from a single sheet of boxboard or the like. Still further objects and advantages of the invention will be apparent to those skilled in the art from the ensuing detailed description thereof read in conjunction with the drawings, in which:

Figure 1 is a perspective view of a can holder according to the invention;

Figure 2 is a partial cross-section along line 2—2 of Figure 1 illustrating the manner in which the cans are locked into place and retained in the can holder of Figure 1;

Figure 3 is a cross section along line 3—3 of Figure 1; and

Figure 4 shows the blank from which the can holder of Figure 1 is made.

In general, the invention is an improvement on the known type of can holder for two rows of chime end cans comprising an open end tubular structure having two oppositely disposed pairs of walls, a central partition panel intermediate and parallel to one of the pairs of walls and tab means integral with the other pair of walls for securing the cans within the holder, the improvement lying in the provision of a double thickness flange member to which one longitudinal edge of the partition panel is secured, the flange member being integral with one of the tab-carrying walls at an intermediate point thereof. Since this structure can best be understood with respect to a specific example reference is now made to Figure 1 illustrating a presently preferred specific embodiment and to Figure 4 showing the blank from which it is made.

The blank **10** is an elongated sheet of foldable paperboard such as boxboard in substantially rectangular form having a plurality of parallel transverse fold or score lines **11**, **12**, **13**, **14**, **15**, **16**, **17**, **18** and **19** which define, in sequence, a partition panel **20**, a first partial wall panel **21**, a first side wall panel **22**, a second partial wall panel **23**, a first flange panel **24**, a second flange panel **25**, a third partial wall panel **26**, a second side wall panel **27**, a fourth partial wall panel **28** and an attaching strip **29**.

It is not essential that special means be provided for lifting or carrying the holder, but such means are very convenient. In the present instance, means are provided for carrying the completed package by two fingers, which consist of a pair of finger-receiving apertures. As shown in Figure 4, flange panels **24** and **25** are interrupted by a pair of apertures **30** and **31** which extend completely across the flange panels and a short distance into the partial wall panels **23** and **26**. Partition panel **20** is provided with a pair of finger-accommodating converging slots **32** and **33** extending a substantial distance inwardly from its free end **34**, slots **32** and **33** being in lateral register with apertures **30** and **31** respectively.

As will be seen from Figure 1, when the holder has been formed from the blank **10**, attaching strip **29** is secured to partition panel **20** adjacent score line **11**, the flange panels **24** and **25** are folded inwardly along score line **15** and secured in face-to-face relation so that score lines **14** and **16** are in juxtaposition and the portion of partition panel **20** adjacent its free end **34** is secured to either of the flange panels. As shown partition panel **20** is secured to flange panel **24**. Preferably the parts are secured by means of adhesive but other known attaching means or combinations thereof may be employed. It will be noted from Figures 1 and 3 that the apertures **30** and **31** cooperate with slots **32** and **33** to form a finger-gripping arrangement by which the can holder can be lifted when it is filled with cans and that the flange panels **24** and **25** provide a reinforcement for the holder when it is so carried.

Each of the partial wall panels is provided adjacent each end with a can-retaining tab **35** which operates in a manner well-known in the art to retain the cans within the tubular holder. This action is illustrated in Figure 2 which shows one of the end cans **40** within the can holder of the invention, tab **35** being bent inwardly at approximately 180° so that it rests against and engages the inner surface of the chime **41** of can **40**. The can holder illustrated is intended to hold six cans in two rows of three each and the same locking action takes place at the top and bottom ends of the four end cans.

It will be apparent that many modifications of the invention may be made without departing from the spirit and scope thereof, and it is therefore desired that the invention should not be limited by the foregoing description of a specific embodiment thereof but should be considered to be as broad as the language of the appended claims will permit.

I claim:

1. A paperboard holder for two rows of chime end cans comprising top, bottom and side walls formed into an open end tube, said top and bottom walls each being composed of two partial wall panels, a central partition panel integrally joined to one of the bottom partial wall panels along its inner edge, an attaching strip integrally joined to the other of the bottom partial wall panels along its inner edge, said attaching strip being secured to said partition panel, an inwardly extending flange member integrally joined to each of the top partial wall panels along its inner edge, said flange members being integrally joined and secured to each other in face-to-face relation, said partition panel being secured to one of said flange members, and can-retaining tab means formed integrally with each of said partial wall panels.

2. A paperboard holder for two rows of chime end cans comprising top, bottom and side walls formed into an open end tube, said top and bottom walls each being composed of two partial wall panels with their inner longitudinal edges in juxtaposition, a central partition panel integrally joined to one of the bottom partial wall panels along its inner edge and having an end edge, a pair of finger-accommodating slots in said partition panel

extending inwardly from said end edge, a plurality of laterally spaced flange members integrally joined to each of the top partial wall panels along its inner edge, corresponding flange members joined to the two top partial wall panels being integrally joined and secured to each other in face-to-face relation, said partition panel being secured to the flange members joined to one of the top partial wall panels, the ends of said slots being in register with the spaces between said flange members and the top partial wall panels having cut away portions also in register with said spaces, and can-retaining tab means formed integrally with and adjacent the ends of each of said partial wall panels.

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