Nov. 8, 1949 W. W. McFALL ET AL 2,487,761

SHIRT PACKAGING DEVICE

Filed Feb. 14, 1948 2 Sheets-Sheet 1

Fig. 1.

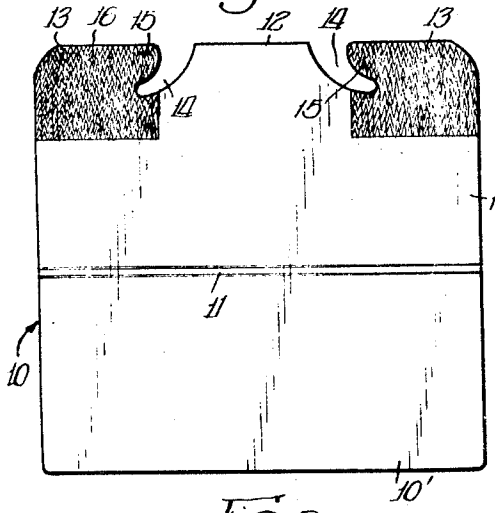


Fig. 3.

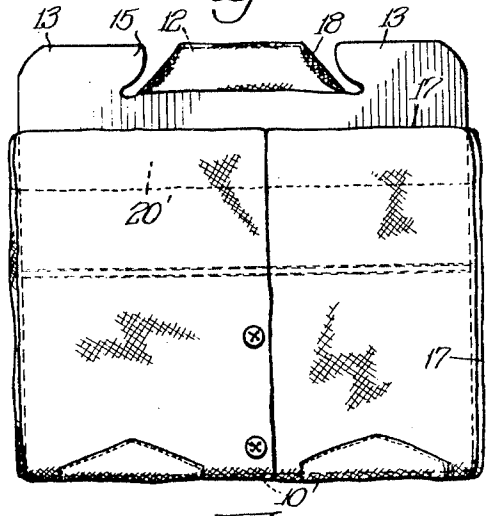


Fig. 2.

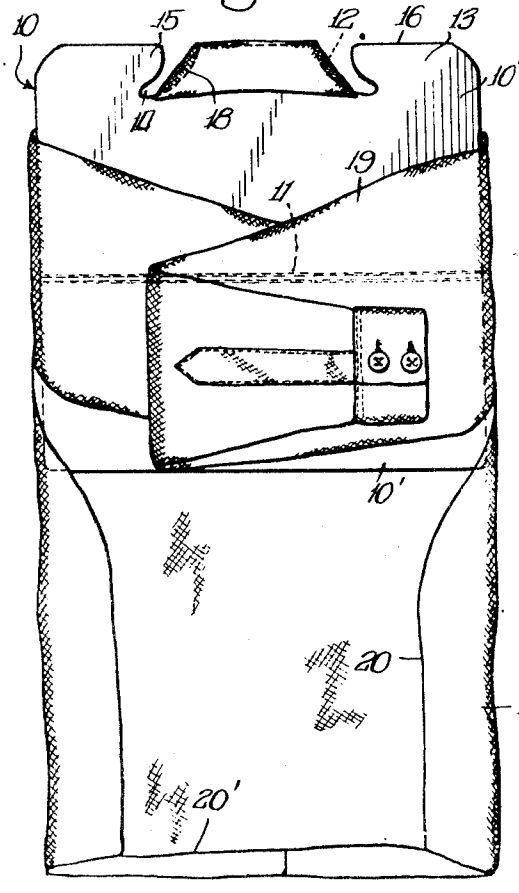
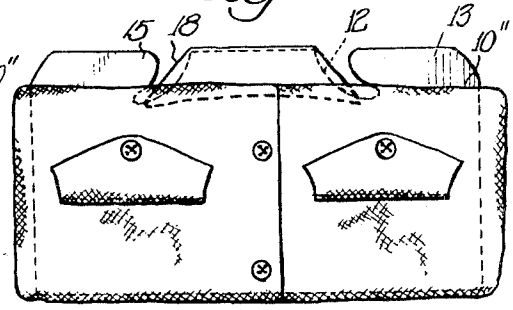


Fig. 4.



INVENTORS
William W. McFall,
BY Fred O Kestner.
Cromwell, Frost & Warden
Attys

Nov. 8, 1949 W. W. McFALL ET AL 2,487,761

SHIRT PACKAGING DEVICE

Filed Feb. 14, 1948 2 Sheets-Sheet 2

Fig. 5.

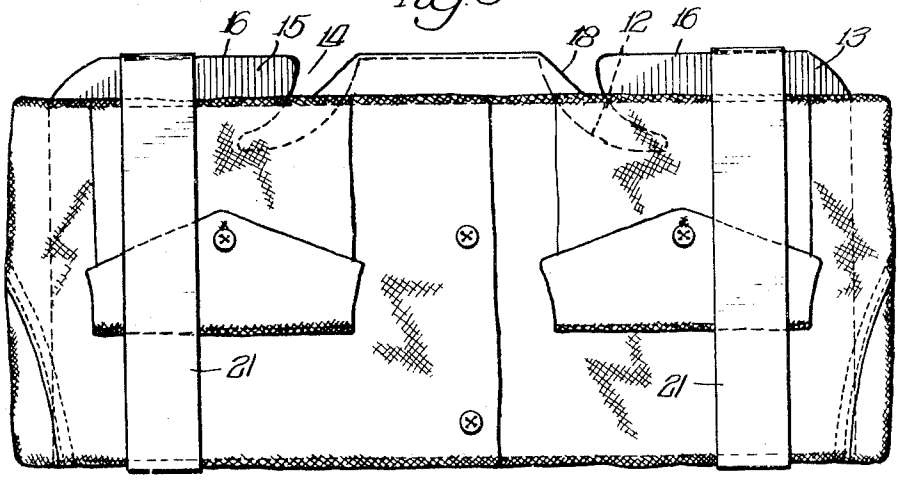
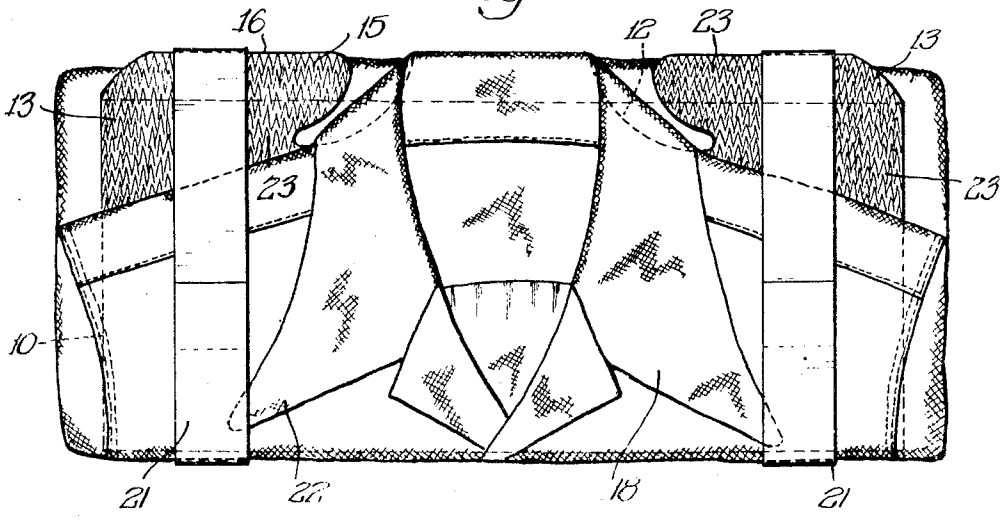


Fig. 6



INVENTORS
William W. McFall.
BY Fred O. Kestner,
Cromwell, Stuart & Hudson
Attys.

Patented Nov. 8, 1949 2,487,761

UNITED STATES PATENT OFFICE

2,487,761

SHIRT PACKAGING DEVICE

William W. McFall, River Forest, and Fred O. Kestner, Chicago, Ill., assignors to Package Masters, Inc., Chicago, Ill., a corporation of Illinois

Application February 14, 1948, Serial No. 8,394

5 Claims. (Cl. 223—71)

1

This invention pertains to a very simple, inexpensive, paper board device adapted for use in the folding and packaging of articles of apparel such as shirts.

It is an object of the invention to provide a shirt or like packaging device of the above type which is adapted to serve as a folding form for the shirt in the packaging of the same, which is so constructed and arranged as to avoid excessive or objectionable creasing of the shirt in folding, and which contributes substantially to increased speed and ease in the packaging operation.

Another object is to provide a device of the type described in the form of a paper board panel which, when operatively associated with a shirt or like garment in the intended manner, results in a package having the same overall width and length as existing types of shirt packaging or wrapping boards, thereby enabling use of the device with shirts which are to be boxed in standard types of paper board cartons, folding boxes, and the like.

A still further object is to provide a flexible, paper board shirt packaging or folding device of the above description which is adapted to sustain the various folds of a shirt with which it is associated in a positive fashion and throughout the width thereof.

The foregoing statements are indicative in a general way of the nature of the invention, but other and more specific objects will be apparent to those skilled in the art upon a full understanding of the construction and operation of the device.

A single embodiment of the invention is presented herein for purpose of exemplification, but it will be appreciated that the invention is susceptible of incorporation in other modified forms coming equally within the scope of the appended claims.

In the drawings,

Fig. 1 is a rear view of the device in accordance with the present invention showing the same in a flat condition, prior to association of a shirt therewith and manipulation thereof in the intended manner;

Figs. 2, 3 and 4 are similar views illustrating successive folding operations in manipulating the device for the packaging of a conventional man's sport shirt;

Fig. 5 is a somewhat enlarged rear view, illustrating the completion of the package by the application of securing strips; and

Fig. 6 is a front view of the finally packaged article.

2

Referring to Fig. 1 of the drawings, the present device takes the form of an extremely simple, flexible paper board blank 10 of generally rectangular outline. This blank is provided with a multiple transverse crease or fold line 11 located somewhat below its mid point and extending entirely across the blank, thereby facilitating folding of the device while accommodating the several layer thickness of the shirt which is packaged thereby. Crease 11 subdivides the blank 10 into foldably connected lower and upper panels 10', 10'', respectively.

The upper edge of the blank is shaped by cutting the same to afford a central, shirt collar engaging tongue 12 and a pair of shoulder portions 13. Said portions are spaced from either side of said tongue by downwardly and outwardly divergent, curved bays or recesses 14 of substantial depth, which define the like, inwardly facing, curved extensions 15 on said shoulders. Extensions 15 have the effect of increasing the length of the straight horizontal upper margin 16 of said shoulders for a purpose to be described. Bays 14 accommodate the shirt collar when tongue 12 is shipped between the rear areas of the collar and neckband.

In employing the device, the garment to be wrapped, illustrated as a conventional man's sport shirt and designated by the reference numeral 17, is disposed face downward, in the fashion illustrated in Fig. 2. The tongue 12 is then inserted under the rear portion of the shirt collar, denoted 18, and it will be noted that the outwardly divergent recesses 14 receive and accommodate the outward flare of the collar without rumpling or creasing the same. In this disposition of the parts, the arms 19 of the shirt are successively folded rearwardly onto the body of the blank and on one another, and the skirt portion 20 of the shirt is brought upwardly and inwardly at either sides, as also illustrated in Fig. 2.

The lower edge of the shirt skirt is next folded upon itself to decrease its length by about two or three inches and said skirt portion is then folded upwardly and over the bottom margin of the lower panel 10' of the blank, to overlie the thus shirt arms in the fashion shown in Fig. 3. The entire lower panel and portions of the shirt superposed thereon are then folded upwardly around the hinge line 11 and onto the panel 11'' and remainder of the shirt.

This completes the manipulation of the device and the package is finished by applying a standard type of paper strip or band 21 to en-

circle the same adjacent opposite sides thereof. These bands are wrapped, transversely of the direction of fold of the device and in parallel relation to one another, about the exposed shoulders 13 of the device, and are secured by pins or an adhesive. It will be noted by reference to Figs. 5 and 6 that the relatively long marginal edge 16 of said shoulders affords a wide base for the wrapping of the band 21, thus making it possible for the paper bands to be positioned and secured properly at high speed, without requiring particular care or skill on the part of the operator.

In order to display the wrapped shirt most attractively, we contemplate that the shoulder portions 13 thereof, or, for that matter, the entire forwardly exposed area of the blank, may be printed in simulation of an appropriate fabric or suiting, as indicated by the reference numeral 23 in Fig. 6, so as to be exposed as a background for the shirt. A number of designs and/or colors may be made available which will blend or contrast, as desired, with the color or texture of the shirt which is wrapped. This is a particularly advantageous feature in the packaging of new merchandise, although it also lends itself to an attractive display of freshly laundered shirts.

The package is shown in its final form in Figs. 5 and 6. It should be noted that the present device extends out practically to the sides of the shirt, so that the latter is effectively supported throughout its transverse dimension. Sharp creasing of the pockets of the shirt is avoided, which has been an objectionable characteristic of previous shirt packaging forms or boards and the like, about which the shirt is folded along longitudinal fold lines paralleling its sides, as distinguished from the transverse folding of the present invention. The lower edge of panel 10' furnishes a positive guide for the precise folding of the shirt skirt, and crease 11 provides a similarly accurate folding point on which the multiple thickness is turned over on itself.

The securing bands 21 act to hold down the collar points 22, as will be noted in Fig. 6, so that the same are not likely to become displaced and rumpled. The entire packaged assembly is exceedingly compact in form, its dimensions being the same as those of previous wrapping forms and the like so that it may be enclosed in standard cardboard boxes, such as are in common use by laundries and like establishments.

We claim:

1. A packaging device for shirts and like garments, comprising a member of flexible fibrous stock adapted to be folded about a transverse zone extending thereacross, said member being shaped along an upper edge thereof generally paralleling said zone to provide a medial collar engaging tongue having opposed side margins converging upwardly to said edge and a pair of elongated shoulder portions on either side of said tongue, the upper margins of which generally parallel said edge, said shoulder portions being separated from said tongue by recesses of substantial width in said edge.

2. A packaging device for shirts and like garments, comprising a member of flexible fibrous stock adapted to be folded about a transverse zone extending thereacross adjacent the mid point thereof, said member being shaped along an upper edge thereof generally paralleling said zone to provide a medial collar engaging tongue having opposed side margins converging upwardly to said edge and a pair of elongated shoulder portions on either side of said tongue, the margins of which generally parallel said edge, said shoulder portions being separated from said tongue by downwardly and outwardly curved divergent recesses in said edge which are of substantial width and which open to said edge at relatively enlarged throat portions.

3. A packaging device for shirts and like garments, comprising a generally rectangular member of flexible paper board stock provided with a transverse fold line extending thereacross adjacent the mid point thereof, said member being shaped along an edge thereof generally paralleling said fold line to provide a central collar engaging tongue and a pair of shoulder portions spaced on either side of said tongue, said last named portions including extensions facing in the direction of said tongue to increase the marginal length of said shoulder portions.

4. A packaging device as set forth in claim 1, in which said shoulder portions are treated to simulate a material other than said fibrous stock and thereby afford a display background for a garment associated with the device.

5. A packaging device as set forth in claim 3, in which said shoulder portions are treated to simulate a material other than said paper board stock and thereby afford a display background for a garment associated with the device.

WILLIAM W. McFALL.
FRED O. KESTNER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,826,206	Farrelly	Oct. 6, 1931
1,838,262	Kabins	Dec. 29, 1931