March 9, 1943. D. ROUS 2,313,362

SHIPPING CARTON BLANK FOR CHAIRS

Filed June 6, 1940

FIG. 1.

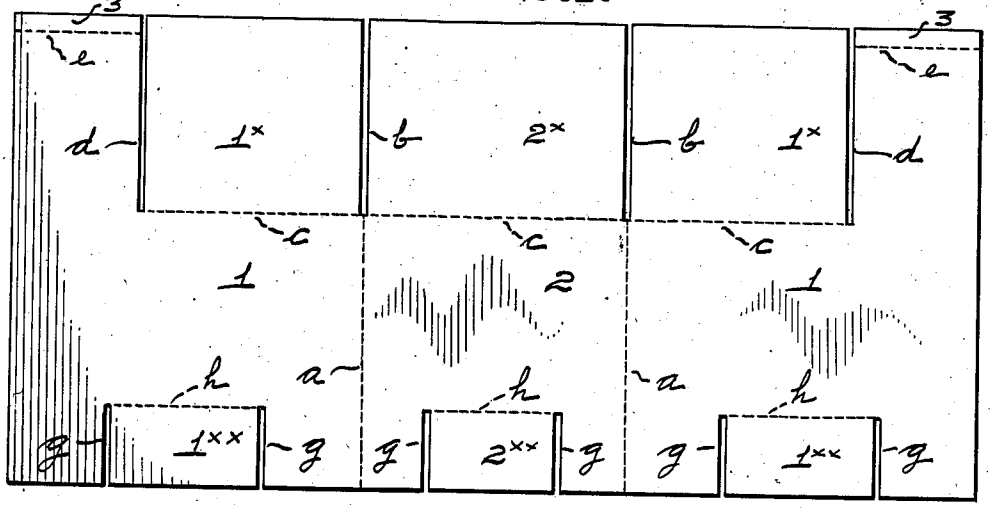


FIG. 2.

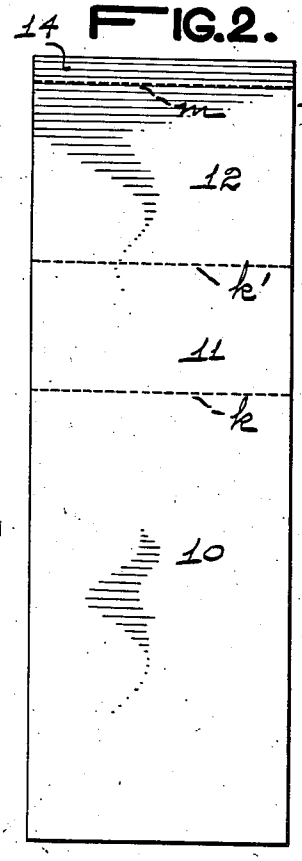


FIG. 5.

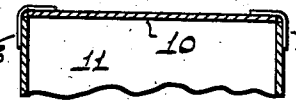


FIG. 3.

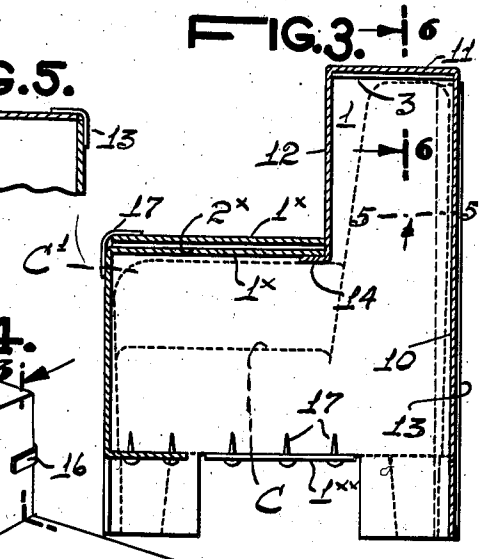


FIG. 4.

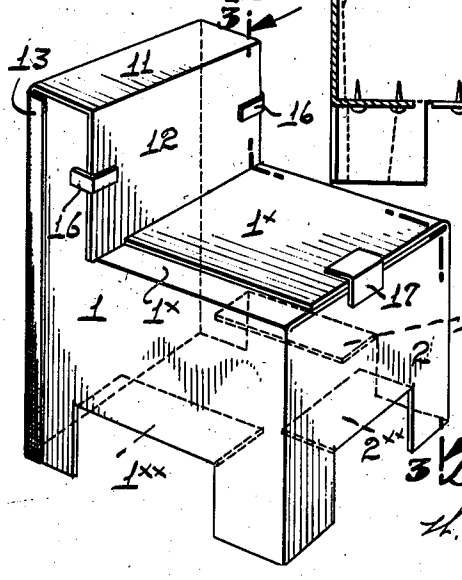
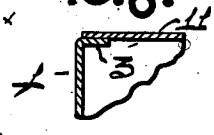


FIG. 6.



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SHIPPING CARTON BLANK FOR CHAIRS

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Application June 6, 1940, Serial No. 339,070

2 Claims. (Cl. 206—46)

The object of the present invention is to provide a shipping carton for chairs, particularly upholstered chairs, which may be constructed of corrugated board, which may be manufactured by a succession of simple cutting and folding steps in a length of corrugated board or the like, which will provide unusually strong protection for the major horizontal surface of the chair and hence the area which is most subject to damage in shipping.

A further object of the invention is to provide a carton of the said type capable of adequately protecting all of the exposed surfaces of a chair, particularly an upholstered chair, through the use of two pieces of corrugated board or the like, and incorporating means by which the carton may be attached to the chair temporarily by brads or tacks driven into the under or hidden part of the chair frame.

The invention will be described with reference to the accompanying drawing, in which:

Figure 1 is a plan view of the blank from which the entire carton is formed except of the front and rear back covering.

Figure 2 is a plan view of the back covering blank.

Figure 3 is a vertical section through the formed carton, taken on the line 3—3, Figure 4, and showing in dotted lines an upholstered chair therein.

Figure 4 is a perspective view of the formed carton.

Figure 5 is a fragmentary section taken horizontally on the line 5—5, Figure 3.

Figure 6 is a fragmentary vertical section taken on the line 6—6, Figure 3, showing a portion of the back covering member and a seat therefor provided at the top of one of the side wall panels of the blank shown in Figure 1.

Referring to the drawing, I have shown in Figure 1 a sheet of bendable material which preferably will be corrugated board and which is cut and scored to form opposed and spaced side wall panels 1 and an intermediate front wall panel 2, the said panels being separated by fold lines at *a*, and each fold line *a* being colinear with a transversely extending line of cut *b* which terminates at a line of fold *c* bounded at each end with a line of cut *d*.

By means of the lines of cut and fold lines, the latter being scored into the corrugated board, each of the members 1 and also the member 2 carries at its top a horizontally movable seat covering panel, the seat covering panel being shown at 1*x* and 2*x*. It will also be noted that each side wall panel is L-shaped, and that at its top a foldable lip 3 is provided by means of a scored line of fold at *e*. At the base of each panel a foldable flap is provided by spaced lines of cut *g*, each set of cuts being connected by scored lines of fold at 8, the flaps are shown at 1*xx* and 2*xx*.

When the panels 1 are brough into parallelism by folding on the lines *a* the seat covering panels 1*x* are folded downwardly on the fold line *c* they may be overlapped by the downward folding of seat panel 2*x*. As an alternative, the panel 2*x* may be interposed between the panels 1*x* or entirely below the panels 1*x* which latter is the expedient employed in Figures 3 and 4.

When the lips 3 are folded horizontally on the fold lines *e* the carton will be ready to receive the back covering piece shown in Figure 2.

Referring to Figure 2, it will be seen that the back covering piece is formed of a rectangular sheet of corrugated board or the like, the latter being formed with three transverse fold lines at *k*, *k'* and *m* with spaced panel sections 10, 11 and 12. Panel section 10 is adapted to cover the rearmost portion of the carton and to be connected to the panels 1 in any suitable manner, as, by adhesive strips 13 of any suitable material as, for example, cloth. When section 11 is folded to horizontal position it may be seated upon the lips 3 of panels 1, after the lips have been folded horizontally; and section 12 will lie in the position shown in Figures 3 and 4, lip 14 being bent so as to lie under and provide a seat for the seat covering 1*x*, 2*x*.

Any suitable means may be employed for securing section 12 of the back covering piece in its final position as, for example, adhesive strips 16, Figure 4, which strips are each attached to one of the members 1 and also the seat covering panels may be held in folded position by any suitable means as, for example, adhesive strip 17, Figure 4.

The carton elements may be assembled about a chair such as that indicated by dotted lines C, Figure 3, or the elements may be brought into assembled form and then applied to a chair prior to a folding upward of the flaps 1*xx* and 2*xx*. When the carton encloses the chair flaps 1*xx* and 2*xx* are folded upwardly to the horizontal position of Figure 4 and are tacked to the lower horizontal frame members of the chair as by the tacks 17, Figure 3, the latter being shown enlarged for clearness of illustration.

The provision of three strong seat covering panels is particularly advantageous when the

upholstered chair is provided with arms and the seat lies below the arms as in the case of the chair shown in dotted lines in Figure 3 wherein the arms are indicated at C'. In such case there will be a substantial space between the lowermost of the seat covering panels and the seat cushion itself. It will be unnecessary, however, to fill in the space in order that adequate protection may be given because of the strength of the carton at such area.

The simplicity of the carton enables the two blanks as shown in Figures 1 and 2, to be shipped in the flat and readily applied to the chairs by simple folding and adhesive strip application by chair manufacturer or dealer.

Having described my invention, what I claim and desire to secure by Letters Patent, is as follows:

1. A carton blank for chairs and the like comprising a sheet of cellulosic material such as corrugated paper board having two intermediate fold lines extending transversely thereof for part of its width, said fold lines bounding side margins of an intermediate or front panel and two outer or side panels, each fold line merging into a transverse cut bounding the opposed margins of a foldable seat covering panel, each side panel being formed with a cut parallel with the first named cuts and bounding therewith the side margins of an additional seat covering panel the inner margin of an upwardly relatively narrow extension adapted to abut the side area of a chair back, and a back piece adapted for connection with said side panels.

2. A carton blank for chairs and the like comprising a sheet of corrugated material such as corrugated paper board having two intermediate fold lines extending transversely thereof for part of its major width and forming lines of connection between two L-shaped side panels and an intermediate front panel, each of said panels carrying a foldable seat covering panel, said foldable seat covering panels being separated at the side margins thereof from each other and from the L-shaped side panels, and each one of said panels being formed at its base with centrally disposed spaced vertical cuts forming between them a foldable flap adapted to be attached to the base frame of a chair and providing at each side of the flap a chair leg shield.

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