Dec. 2, 1952 F. G. SCHULER 2,620,062

CARTON FOR SINK FRAMES

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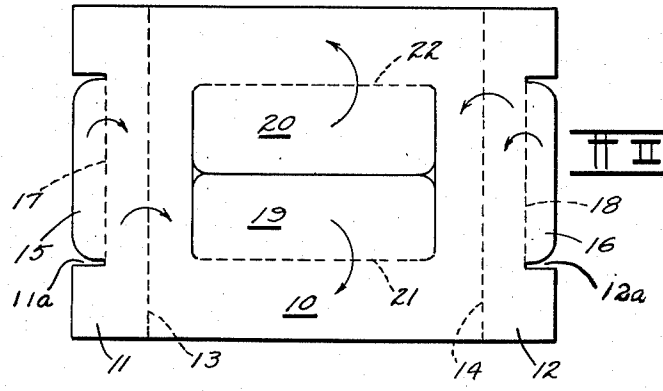


FIG. 1.

FIG. 2.

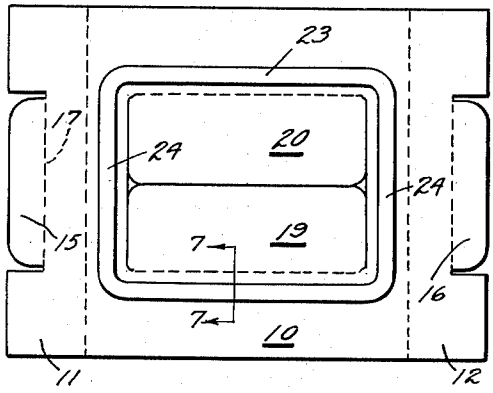


FIG. 3.

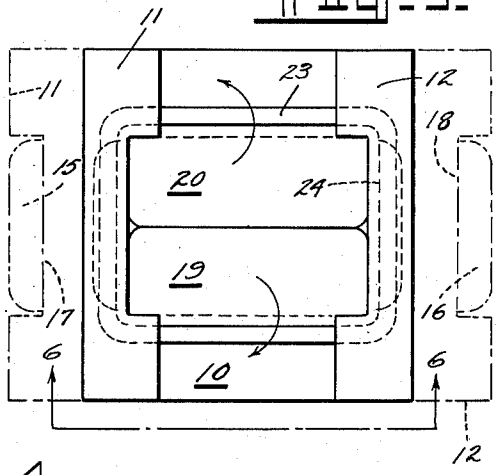


FIG. 4.

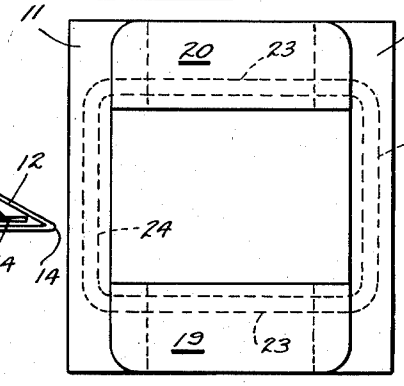


FIG. 5.

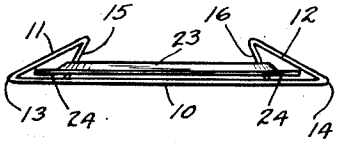


FIG. 7.

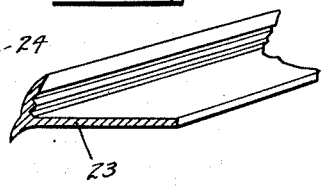
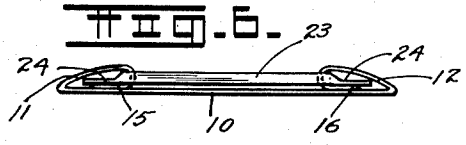


FIG. 6.



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CARTON FOR SINK FRAMES

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4 Claims. (Cl. 206—46)

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This invention relates to a carton and more particularly to a carton for packaging a sink frame.

The principal object of the invention is the provision of a simple, inexpensive and easily fabricated carton for a sink frame or the like.

A further object of the invention is the provision of a carton for a sink frame or the like which may be formed of a single sheet of suitable paper board.

A still further object of the invention is the provision of a carton for a sink frame which may be easily applied to the sink frame so as to enclose and completely protect the same.

A still further object of the invention is the provision of a carton for a sink frame which is foldable about a sink frame to form a frame-like carton.

The carton for sink frames and the like disclosed herein is particularly adapted for the packaging of rectangular sink frames which are metallic frames of appropriate cross section usually formed of extruded aluminum and highly polished. The sink frames are generally of rectangular shape and require protective packaging for shipping and handling. The carton for sink frames disclosed herein meets the several objects of the invention in that a rectangular sink frame can be positioned thereon and the carton easily and quickly folded to enclose the four sides of the frame in a manner firmly positioning the frame in the enclosure and forming a shipping package only slightly thicker than the frame and of a frame-like shape which facilitates handling and shipping.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a plan view of a paper board blank from which the sink frame carton is formed.

Figure 2 is a plan view of the carton in unfolded form illustrating a sink frame in position thereon.

Figure 3 is a plan view of the sink frame carton partially folded over the sink frame.

Figure 4 is a plan view of the carton completely folded over the sink frame.

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Figure 5 is a side view of the sink frame carton illustrated in Figure 2 showing portions thereof partially folded in place with respect to a sink frame thereon.

Figure 6 is a side view taken on line 6—6 of Figure 3.

Figure 7 is a cross sectional elevation of a sink frame.

By referring to the drawings and Figure 1 in particular it will be seen that a sink frame carton has been disclosed and comprises a blank section of suitable paper board or the like, the same comprising a rectangular body 10 having end sections or panels 11 and 12 defined by transversely extending crease lines 13 and 14 and each of the end sections or panels 11 and 12 having end tabs 15 and 16 formed therefrom and adapted to be folded thereover on crease lines 17 and 18, respectively, the panels 11 and 12 each being provided with parallel slits 11a and 12a, respectively, at the ends of the tabs 15, 16, said slits with the folding of the tabs 15, 16 inwardly providing recesses extending inwardly from the outer side edges of panels 11 and 12 intermediate the ends thereof. The center section of the rectangular body 10 has an H-shaped cut defining front side and back side flaps 19 and 20 and adapted to be folded forwardly and backwardly on crease lines 21 and 22.

By referring now to Figure 2 of the drawings the blanked sink frame carton may be seen with a sink frame 23 in position thereon.

By referring to Figure 5 of the drawings it will be observed that the end sections or panels 11 and 12 have been folded inwardly upon the crease lines 13 and 14 with the end tabs 15 and 16 also folded inwardly so that the tabs 15 and 16 move into position underlying the sink frame 23 while the end sections 11 and 12 overlie the sink frame 23 and particularly the end sections 24 thereof.

In Figure 3 of the drawings a plan view of the frame showing the folded end sections 11 and 12 and the folded end tabs 15 and 16 may be seen, it being observed that arrows in Figures 1 and 3 indicate the direction of fold of these sections 11, 12, 15 and 16.

In Figure 6 of the drawings a side view on line 6—6 of Figure 3 shows the sections in folded position with the frame 23 and the side sections 24 thereof completely enclosed by the end tabs 15 and 16 and the end sections 11 and 12.

In Figure 4 of the drawings the fronst side and back side flaps 19 and 20 are shown folded outwardly over the remaining portions of the frame 23, it being observed that portions of the

end sections 11 and 12 are covered by the flaps 19 and 20 and these overlapping sections provide convenient stapling areas by means of which the carton is held in assembled position about the sink frame. It will thus be seen that when the end sections 11 and 12 with their integrally formed end tabs 15 and 16 are turned inwardly, the frame 23 and particularly the end sections 24 thereof are enclosed by the carton and that the subsequent outturning of the flaps 19 and 20 holds the end sections 11 and 12 in folded position. The finished carton as shown in Figure 4 is therefore of a frame-like form with an open center section and with double front and back side sections formed by the rectangular body 10 and the flaps 19 and 20, the end sections being doubled along their outer edge and of triple thickness along their inner edge.

The sink frame 23 is securely positioned in the completed carton as the inturned end tabs 15 and 16 prevent endwise movement as do the inturned end sections or panels 11 and 12. Sideward movement is prevented by the outturned flaps 19 and 20 and the frame is thus securely positioned well within the protective area of the carton away from the corners thereof which might be damaged in shipment and is thus afforded the protection necessary.

In Figure 7 of the drawings a typical cross sectional illustration of a sink frame is shown, it being obvious that various cross sectional shapes of sink frames may be packaged in the carton and adequately protected thereby.

Having thus described my invention, what I claim is:

1. In combination, a frame of general rectangular shape, a carton for said frame including a front wall of general rectangular shape extending over one side face of said frame and provided with a central opening of general rectangular form having oppositely disposed inner side edges, and the carton having rear walls including panels extending from outer opposite side edges of the front wall over the other side face of opposite sides of said frame, said panels each being provided with a recess extending inwardly from the outer side edge thereof intermediate its ends, the recess in one panel being located opposite the recess in the other panel, and flaps extending outwardly from the opposite inner side edges of the front wall of the carton over said last mentioned side face on opposite sides of said frame between said panels and overlying portions of the panels at each side of said recesses.

2. In combination, a frame of general rectangular shape, a carton for said frame including a front wall of general rectangular shape extending over one side face of the frame and provided with a central opening of general rectangular form having oppositely disposed inner side edges, and the carton having rear walls including panels extending from opposite outer side edges of the front wall over the other side face of opposite sides of said frame, each of the panels having a tab intermediate its ends extending therefrom over said last mentioned side face of one side of the frame and thence laterally and outwardly between the other side face of said side of the frame and the front wall of the carton, and flaps extending outwardly from the opposite inner side edges of the front wall of the carton over one side face of opposite sides of said frame between said panels and in overlapping relation with portions thereof.

3. In combination, a frame of general rectangular shape, a carton for said frame including a front wall of general rectangular shape extending over one side face of the frame and provided with a central opening of general rectangular form having oppositely disposed inner side edges, and the carton having rear walls including panels extending from outer opposite side edges of the front wall over the other side face of opposite sides of said frame, said panels each being provided with a recess extending inwardly from the outer edge thereof intermediate its ends, the recess in one panel being disposed opposite the recess in the other panel, and each of the panels having a tab extending outwardly from the central portion of the edge of the recess therein over said last mentioned side face of one side of said frame and thence laterally and outwardly between the other side face of said side of the frame and the front wall of the carton, and flaps extending outwardly from the opposite inner side edges of the front wall over a side face of opposite sides of said frame between said panels and overlying portions of the panels at either side of said recesses.

4. In combination, an elongated frame of general rectangular shape, a carton for said frame, including a front wall of elongated general rectangular shape extending over one side face of the frame and provided with an elongated substantially rectangular shaped longitudinally extending opening centrally thereof having oppositely disposed inner side edges, and the carton having rear walls including panels extending from opposite ends of said front wall over the other side face of opposite ends of said frame, and flaps of elongated general rectangular shape extending outwardly from the opposite inner side edges of the front wall of the carton over said last mentioned side face of opposite sides of the frame between and in overlapping relation with portions of said panels.

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