

March 6, 1928.

1,661,185

R. A. LINDSEY

CHEST HAVING REMOVABLE LINER AND TRAYS

Filed July 26 1926

2 Sheets-Sheet 1

Fig. 1

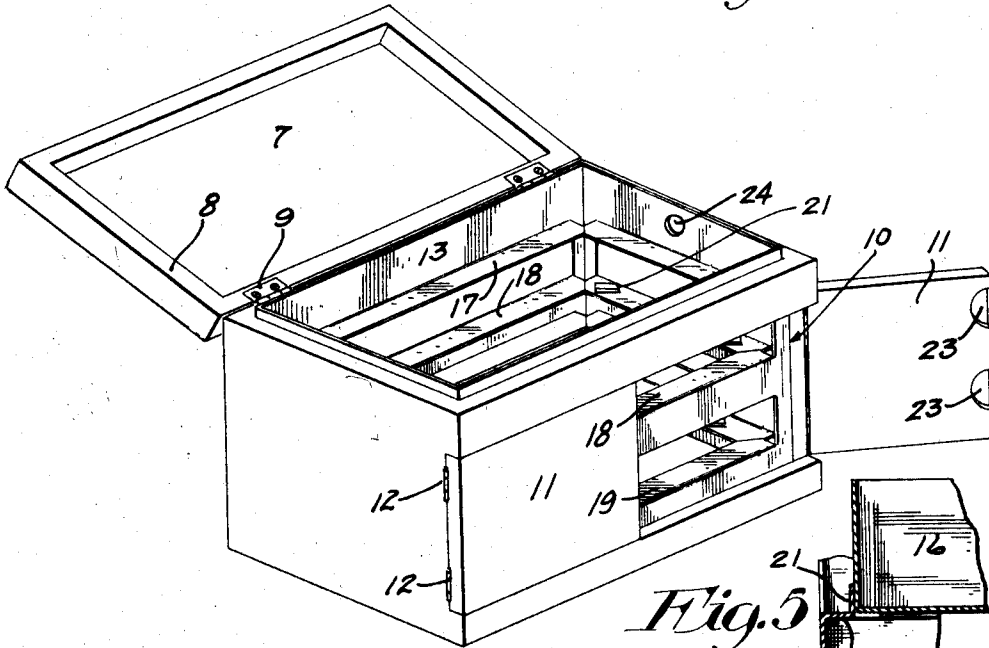


Fig. 5

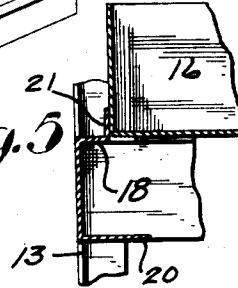
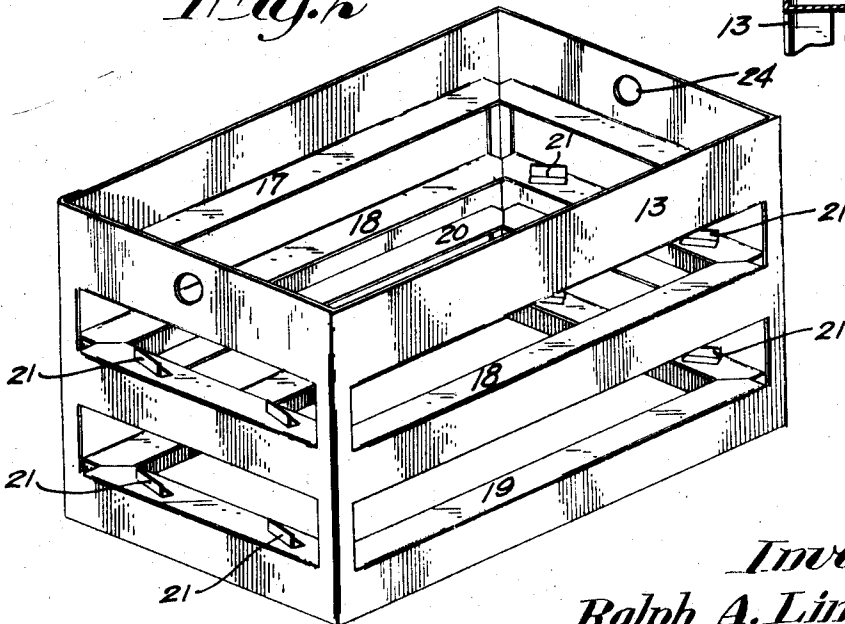


Fig. 2



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UNITED STATES PATENT OFFICE.

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CHEST HAVING REMOVABLE LINER AND TRAYS.

Application filed July 26, 1926. Serial No. 124,901.

My invention has for its object to provide a sanitary, substantial and ornamental chest with a removable liner in which is supported a plurality of removable trays, especially adapted for holding candy in which it may be kept in a sanitary method in the home without piling the candy two or three deep and thus injuring the appearance and shape of the different pieces. Said chest is also well adapted for holding other confections and is well adapted for holding manicure or other articles.

To the above end, generally stated, the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings:—

Fig. 1 is a perspective view of the chest with its cover and one of the doors open and the trays removed;

Fig. 2 is a perspective view of the liner removed from the chest;

Fig. 3 is a transverse vertical section showing the complete chest on an enlarged scale with the cover and doors closed and the trays in position;

Fig. 4 is a fragmentary horizontal section taken on the line 4—4 of Fig. 3; and

Fig. 5 is a fragmentary detail view in section taken on the line 5—5 of Fig. 4.

The chest 6, as shown, is constructed of wood and has an open top normally closed by a cover 7 having a depending endless capping flange 8 which rests directly on the upper edge of said chest and has its rear member hinged at 9 to the back of said chest. Said chest 6 also has a door opening 10 below its top and above the bottom thereof and which opening extends the full width of said chest. This door opening 10 is normally closed by a pair of horizontally swinging doors 11 hinged at 12 to the ends of the chest 6. In actual construction of the chest 6, the same will be provided with a lock for the cover 7 and doors 11.

Within the chest 6, is a removable liner 13 formed from a single sheet of metal, preferably aluminum, and having an open top and bottom. This liner 13 snugly fits the interior of the chest 6, rests on the bottom thereof and its upper edge portion extends above the upper edge of said chest and is capped by the cover flange 8. The projecting upper

edge portion of the liner 13 not only acts as a guide for the cover 7, when closing the same, but it also affords a guard for holding said cover in place after it is closed. With the projecting upper edge portion of the liner 13 capped by the cover flange 8, a tight joint is formed between the chest 6 and its cover 7 and the outer faces of the cover flange 8 are kept in perfect alignment with the outer faces of the chest 6.

Within the liner 13, is a top tray 14, a lower tray 15 and an intermediate tray 16 removably supported on inwardly projecting horizontal flanges 17, 18 and 19, respectively. Said flanges 17, 18 and 19, together with a flange 20, are cut and pressed from all four sides of the liner 13. In forming the flanges 17 to 20, inclusive, the liner 13 is longitudinally cut in two vertically spaced places on all four sides and it is also vertically cut at the ends of said longitudinal cuts, both above and below the same, and the stock pressed inward into horizontal positions. The flanges 17 and 18 are formed from the stock pressed inward at the upper longitudinal cut and the flanges 19 and 20 are formed by the stock pressed inward at the lower longitudinal cut. The openings in the liner 13, formed by cutting the flanges 17 to 20, inclusive, therefrom, extend nearly the full width of the sides of the liner 13 but with sufficient stock at the corners of said liner to insure rigidity.

The abutting ends of the flanges of each group 17 to 20, inclusive, are mitered and in endless arrangement. The openings in the front of the liner 13, formed by cutting and pressing the respective flanges 17 and 19 and 20 therefrom, are coincident with the door opening 10. The upper tray 14 is mounted on the flanges 17 for removal through the open tops of the liner 13 and chest 6 and the trays 15 and 16 are mounted on the flanges 19 and 18, respectively, for sliding removal from said liner through the respective openings therein and from the chest 6 through the door opening 10. For holding the trays 15 and 16 against angular movement on the respective flanges 18 and 19, upstanding lugs 21 are cut and pressed from said flanges at the ends of the liner 13. These lugs 21 extend obliquely across the flanges 18 and 19 with opposite pairs of lugs in diverging relation so as to center and guide the trays 15 and 16 into the liner 13. The flange 20 simply acts as a reinforcing flange for the liner 13 which, together with the flanges 17,

18 and 19, gives the liner 13 the required rigidity. The face of the liner 13 affords a stop surface for the doors 11 to limit their closing movements.

5 Rings 22 are attached to the front of the trays 15 and 16 to afford convenient means by which they may be held when sliding the same into and out of the liner 13. The inner faces of the doors 11 are cut away at 23
10 to afford clearance for the rings 22, when said doors are closed. Finger holes 24 are punched in the ends of the liner 13 near the top thereof to afford means by which said liner may be grasped, when lifting the same
15 from the chest 6. The tray 14 is notched at 20 to afford clearance for the finger holes 24.

The trays 14, 15 and 16, when removed from the liner 13, and said liner, when removed from the chest 6, may be plunged
20 into boiling water to cleanse and keep the same in a sanitary condition. The chest 6, when manufactured, will be painted and decorated in an artistic manner. The liner 13 and trays 14, 15 and 16 may also be
25 painted.

What I claim is:

1. A sheet metal rectilinear chest liner having drawer openings in its sides, tray-supporting flanges at the tops of said openings and drawer-supporting flanges at the
30 bottoms thereof, said flanges being cut and pressed from the liner, a tray removably supported in the liner on the tray-supporting flanges, and a drawer movable into and out

of the liner through one of said openings 35 and slidably supported on said drawer-supporting flanges.

2. A sheet metal rectilinear chest liner open at its top and bottom and having drawer openings in its sides, tray-supporting 40 flanges at the tops of said openings and drawer-supporting flanges at the bottoms thereof, said flanges being cut and pressed from said liner, a tray removably supported in the liner on the tray-supporting flanges, 45 and a drawer movable into and out of the liner through one of said openings and slidably supported on said drawer-supporting flanges.

3. The structure defined in claim 1 in further combination with upstanding drawer guides cut and pressed from the drawer-supporting flanges. 50

4. A sheet metal rectilinear chest liner having drawer openings in its four sides, 55 tray-supporting flanges in endless arrangement at the tops of said openings and drawer-supporting flanges in endless arrangement at the bottoms thereof, said flanges being cut and pressed from said liner, 60 a tray removably supported in the liner on the tray-supporting flanges, and a drawer movable into out of the liner through one of said openings and slidably supported on said drawer-supporting flanges. 65

In testimony whereof I affix my signature.

RALPH A. LINDSEY.