

Jan. 8, 1935.

C. L. PEARSON

1,987,448

UTILITY CHEST

Filed Dec. 17, 1932

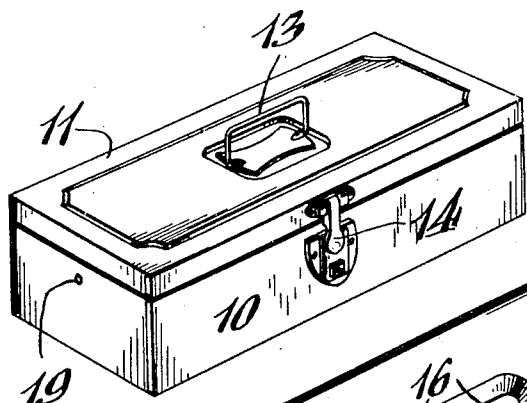


Fig. 1.

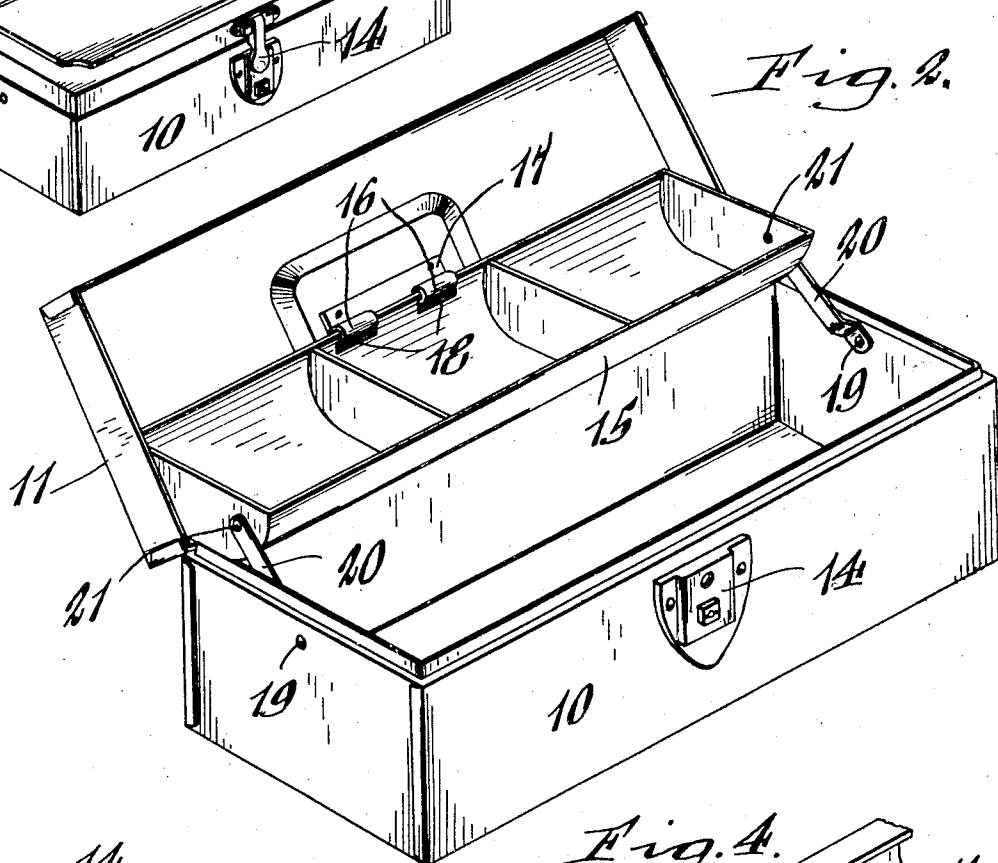


Fig. 2.

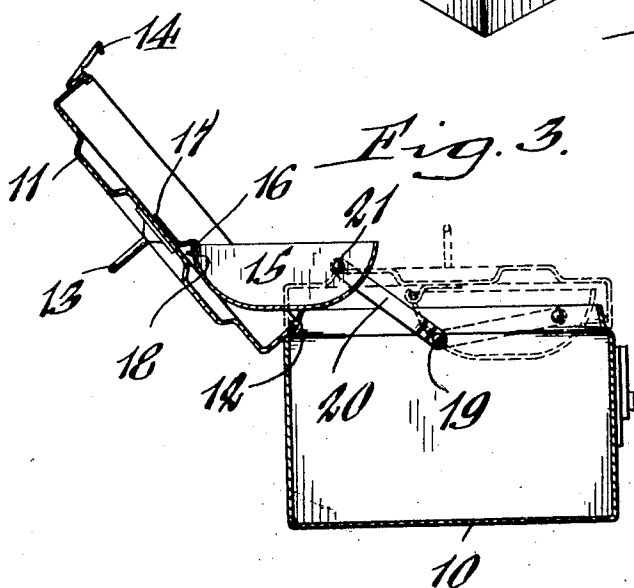


Fig. 3.

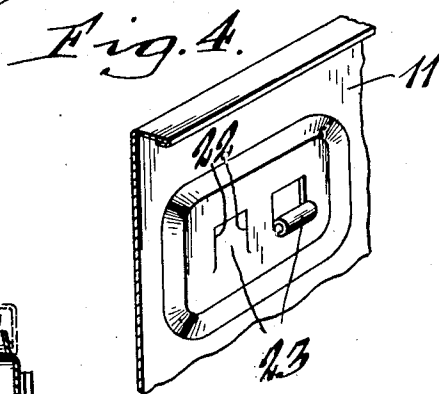


Fig. 4.

Inventor,
Charles L. Pearson,
by Walter P. Geyer
Attorney.

UNITED STATES PATENT OFFICE

1,987,448

UTILITY CHEST

Charles L. Pearson, Rochester, N. Y., assignor to
Master Metal Products, Inc., Buffalo, N. Y., a
corporation of New York

Application December 17, 1932, Serial No. 647,775

4 Claims. (Cl. 206—16)

This invention relates generally to receptacles and more particularly to a utility chest or service kit for tools, fishing tackle, artists materials, and many other like purposes.

One of its objects is the provision of a utility chest of this character having a supplementary tray therein which is movable with the cover relative to the box-body to assume a position for the ready convenience of the user without interfering with or obstructing access to the contents in the box-body.

Another object of the invention is to provide a utility chest or kit which is simple, compact and inexpensive in construction, which provides novel means for supporting an auxiliary tray or compartment between the box-body and the cover, and which will not tip during the movements of the cover to its open and closed positions.

In the accompanying drawing:—Figure 1 is a perspective view of the utility chest embodying my invention. Figure 2 is an enlarged perspective view of the same showing the cover in its open position. Figure 3 is a cross section of the chest showing the cover in its open position and the tray disposed at one side of the box-body. Figure 4 is a fragmentary perspective view of the cover showing a slightly modified form of the tray-hinge.

Similar characters of reference indicate corresponding parts throughout the several views.

By way of example, my invention is shown in connection with a receptacle in the form of a chest or kit consisting of a box-body 10 of substantially rectangular shape and a cover 11 hinged at 12 to the upper rear edge of the box-body. This chest may be stamped from sheet metal, the cover being provided with a suitable handle 13 for facilitating the carrying of the chest, and a hasp lock 14 may be employed for locking the cover to the box-body.

Disposed within the chest and lengthwise between the box-body 10 and cover 11 is a tray 15 which is mounted for movement with the cover relative to the box-body and at the same time assume a substantially level position during its movement so as not to tip and spill the contents from the tray. For this purpose, the tray is hinged along its rear side to the cover while its front side is link-connected to the box-body. The hinge connection preferably consists of hinge elements in the form of horizontal loops 16 which may be applied to a plate 17 riveted or otherwise secured to the inner face of the top wall of the cover and which engage companion slots or openings 18 disposed along the marginal rear edge of the tray,

as seen in Figures 2 and 3. Pivotaly connected at 19 to the opposite ends of the box-body 10 are vertically-swinging links or guide elements 20, which are pivotaly jointed at their opposite ends, as indicated at 21, to the front end portions of the tray 15. By this construction, as the cover is opened and closed, the tray is moved therewith in a substantially horizontal path, the radii between the cover-hinge 12 and the tray-hinge 16 and that between the pivoted ends 19 and 21 of the links 20 being the same or approximately the same, whereby tipping of the tray is prevented.

In the open position of the cover, the disposition of the tray-hinge 16 and links 20 is such that the tray 15 rests with its bottom squarely on the rear top edge of the box-body 10 and at about substantially midway between the front and rear walls of the tray, whereby the weight of the tray and its contents is forwardly of the cover hinge 12 and is supported directly by the box-body, relieving the cover from undue strain and positively preventing the tray and its contents from tipping the chest bodily backward. Furthermore, by this arrangement, the tray, in contacting with the top of the box-body, forms a positive stop for the cover and arrests its swinging to a position which would result in upsetting the box rearwardly.

If desired, as shown in Figure 4, the hinge loops may be formed integrally with the cover, and in this case the cover is provided with parallel slits 22 forming resulting tongues 23 which are bent inwardly and curled to form the hinge-loops. The openings left in the cover, as a result of thus forming the loops, may be covered by the attaching base of the cover-handle 13.

I claim as my invention:—

1. A receptacle of the character described, comprising a box-body, a cover hinged thereto, a tray disposed lengthwise of the box-body and hingedly connected to the cover, and connections between said tray and said box-body for maintaining the tray in a substantially horizontal position during the opening and closing movements of the cover, said tray resting with its bottom on the rear edge of the box-body in the open position of the cover, whereby the weight of the tray and its contents is forwardly of the cover-hinge and is supported on said box-body.

2. A receptacle of the character described, comprising a box-body, a cover hinged thereto, a tray disposed lengthwise of the box-body and hingedly suspended along its rear edge to the cover and disposed to rest with its bottom on the rear edge of said box-body in the open position of the cover,

and parallel links pivotally connecting the front ends of said tray with the adjoining end walls of the box-body and at a point approximately midway between its front and rear walls.

- 5 3. A receptacle of the character described, comprising a box-body, a cover hinged thereto, a tray disposed lengthwise of the box-body and hingedly suspended along its rear edge directly to the underside of the top wall of the cover, and
10 connections between said tray and said box-body for maintaining the tray in a substantially horizontal position during the opening and closing movements of the cover, said tray resting with its bottom side on the rear top edge of the box-
15 body in the open position of the cover and par-

tially overlying the box-body forwardly of the cover-hinge and constituting a stop for limiting the opening movement of the cover beyond a predetermined position.

4. A receptacle of the character described, comprising a box-body, a cover hinged thereto, a tray
5 disposed between said body and said cover and supported for movement with the cover relative to the body, said tray having an opening in its rear side, a hinge element applied to the under-
10 side of the top wall of the cover and including a loop engaging said tray-opening, and pivoted guide elements connecting the end portions of said tray with said box-body.

CHARLES L. PEARSON.