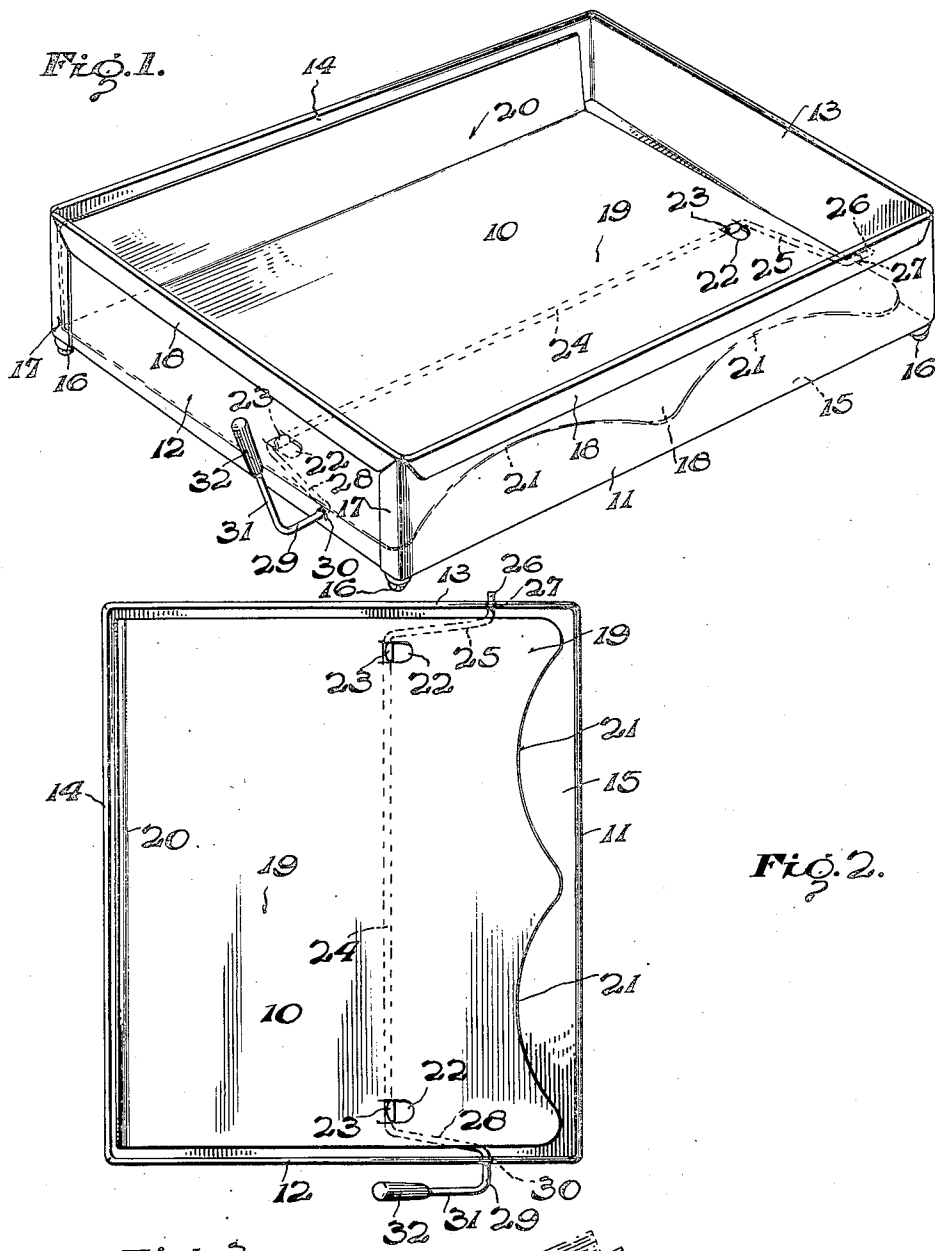
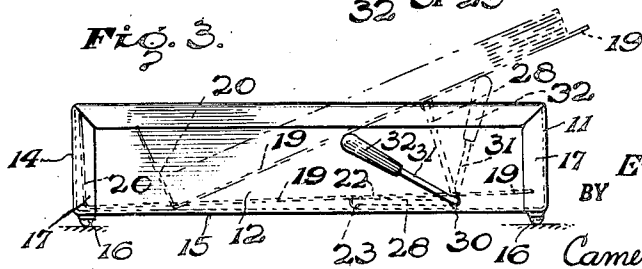


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FILE TRAY

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FILE TRAY

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5 Claims. (Cl. 206—74)

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This invention relates to file trays and more particularly to file trays having means associated therewith for presenting material contained in the file tray to the user in a more readily accessible manner.

Even more particularly this invention relates to file trays in which manually operable means are provided to lift the material in the file tray and move the same outwardly over the upper front edge of the file tray to make the material more accessible to the user.

Heretofore various file trays have been proposed but in all of these the papers or other material therein must be bodily taken from the tray before becoming readily accessible to the user.

It is therefore the object of the present invention to provide a novel file tray in which the contained material is presented to the user in a more readily accessible manner than heretofore by manually operable means lifting the material in the file tray and moving it outwardly over the upper front edge of the file tray toward the user.

An illustrative embodiment of the present invention is shown in the accompanying drawings but it is to be expressly understood that this embodiment is shown and described hereafter for the purposes of illustration only and is not to be construed as limiting the scope of the present invention. Reference should be had to the appended claims to determine the scope of this invention.

In the several figures in which like reference characters designate similar parts:

Fig. 1 is a view of one embodiment of the novel file tray of the present invention as seen by the user from above the upper left corner of the tray;

Fig. 2 is a view of the embodiment of Fig. 1 looking directly down into the same; and

Fig. 3 is a side view of the embodiment of Fig. 1 showing the position of the several parts in normal and in extended positions.

In the several figures 10 indicates the file tray generally provided with a front wall 11, side walls 12 and 13, rear wall 14 and a bottom 15 all suitably supported upon feet 16. The walls of the tray may be secured together by any suitable means here shown as tabs 17 welded to the adjacent wall and may be reinforced along upper edges as by beading 18.

A tray member 19 is mounted within file tray 10 and is provided with an upstanding rear wall 20. The forward edge of member 19 may be scalloped as at 21 or given other suitable shape to permit papers on member 19 to be easily grasped.

Member 19 is cut away at 22 to provide tongues which are turned into circular bearing members 23. Mounted in bearings 23 is actuating rod 24. Actuating rod 24 has arm 25 extending at approximately right angles thereto. Arm 25 terminates in an extension 26 lying in the same plane as rod 24 and arm 25. Extension 26 passes through a suitable opening 27 in side wall 13.

Rod 24 carries a second arm 28 at its opposite end extending at approximately right angles thereto. Arm 28 is provided with an extension 29 which passes through a suitable opening 30 in side wall 12. Arm 28 and extension 29 lie in the same plane as rod 24, arm 25 and extension 26. Openings 27 and 30 are equidistant from front wall 11 and are adjacent bottom 15. Arms 25 and 28 are of equal length.

Extension 29 is provided with an actuating arm 31 terminating in any suitable gripping element 32. Arm 31 is so disposed with respect to extension 29 that when rod 24 and arms 25 and 28 lie upon bottom 15 arm 31 and grip 32 point toward the rear of file tray 10.

The operation of the illustrative embodiment of the novel file tray of the present invention is now readily apparent. Papers or other material placed in the file tray 10 rest upon member 19. With member 19 in normal and withdrawn position, as shown in Fig. 1, when it is desired to have ready access to the contents of the tray the user grasps grip 32 and rotates arm 31 in a clockwise direction as seen in Fig. 3. Rotation of arm 31 rotates arm 28, rod 24 and arm 25 raising the front end of tray 19 until arms 25 and 28 come perpendicular thereto. Further rotation of arm 31 now moves tray 19 outwardly over the upper edge of front wall 11, rear wall 20 of tray 19 keeping the contents of tray 19 from sliding into file tray 10 and moving the contents upwardly and outwardly of file tray 10 into readily accessible position for the user.

When the desired material is selected from tray 19 arm 31 is rotated in a counterclockwise direction as seen in Fig. 3 and tray 19 moves rearwardly and then downwardly into file tray 10 into its normal and withdrawn position.

It will now be apparent that the present invention provides a novel file tray having manually operable means for raising the material in the tray upwardly and outwardly into more readily accessible position for the user.

Changes to or modifications of the illustrative embodiment of the present invention herein described may now be suggested to those skilled in the art without departing from the present in-

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ventive concept. Reference should be made to the appended claims to determine the scope of this inventive concept.

What is claimed is:

1. In a file tray having four walls and a bottom, a second bottom member mounted loosely in the file tray and normally resting upon said bottom, bearings carried by said second bottom member and means for raising the forward edge of said second bottom member upwardly and outwardly of the file tray comprising a manually rotatable shaft passing through said bearings, and elements secured angularly to said shaft and journaled in opposite walls of the file tray.

2. In a file tray having four walls and a bottom, a tray mounted loosely in the file tray and normally resting upon said bottom, a rear wall carried by said tray, bearings formed on said tray and means for raising the forward edge of said tray out of the file tray comprising a manually rotatable shaft extending transversely across said tray and journaled in said bearings and angularly disposed arms carried by said shaft at each end thereof and journaled in adjacent side walls of the file tray.

3. In a file tray having four walls and a bottom, a walled tray mounted in the file tray, bearings carried by said tray, a rotatable shaft extending transversely across said tray and journaled in said bearings, arms disposed angularly to and secured to the ends of said shaft and journaled in adjacent side walls of the file tray, one of said arms extending through a side wall and a manually operable lever secured to said extending arm to rotate the same to raise said tray out of the file tray.

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4. In a file tray having four walls and a bottom, a walled tray mounted in the file tray, bearings carried by said tray, arms disposed angularly to and journaled in said bearings at one end and journaled in adjacent side walls at the other end and manual means outside of the file tray to rotate said arms to raise the forward edge of said tray out of the file tray.

5. In a file tray having four walls and a bottom, a walled tray mounted in the file tray, bearings carried by said tray, arms disposed angularly to and journaled in said bearings at opposite sides of said tray and journaled in adjacent side walls forwardly of said bearings, an extension for one of said arms extending through a side wall of the file tray and manual means secured to said extension outside of the file tray to rotate said extension to raise the forward edge of said tray out of the file tray.

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