

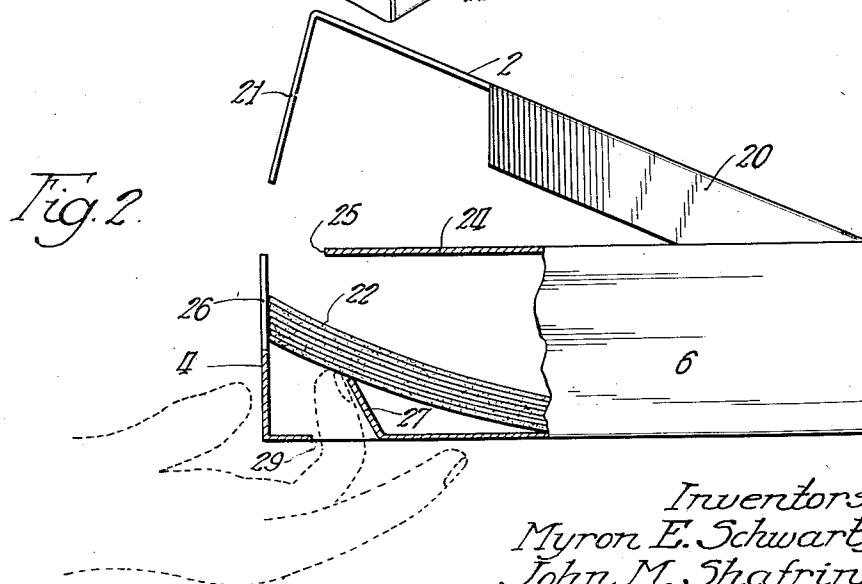
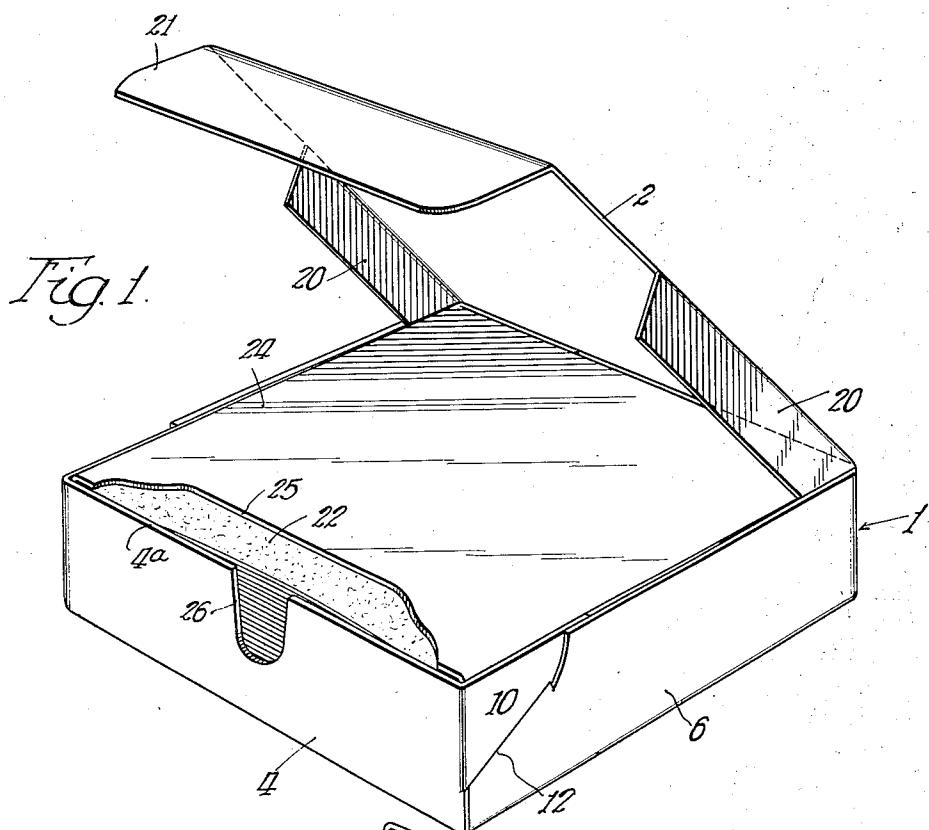
June 27, 1933.

M. E. SCHWARTZ ET AL
CONTAINER FOR MULTIPLE SHEETS

1,916,119

Filed March 30, 1932

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 3

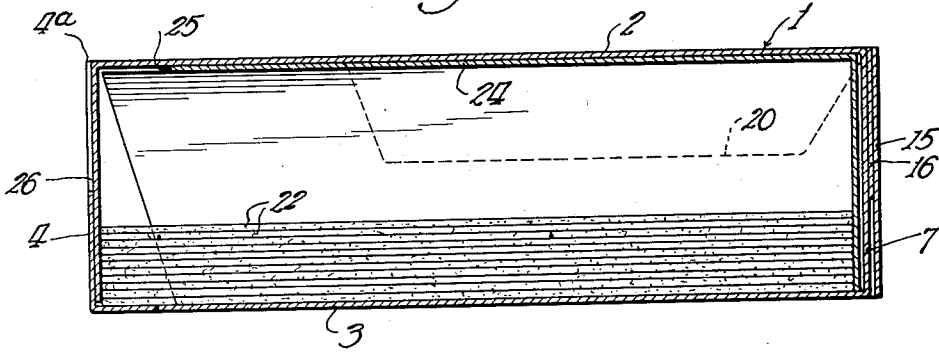


Fig. 4

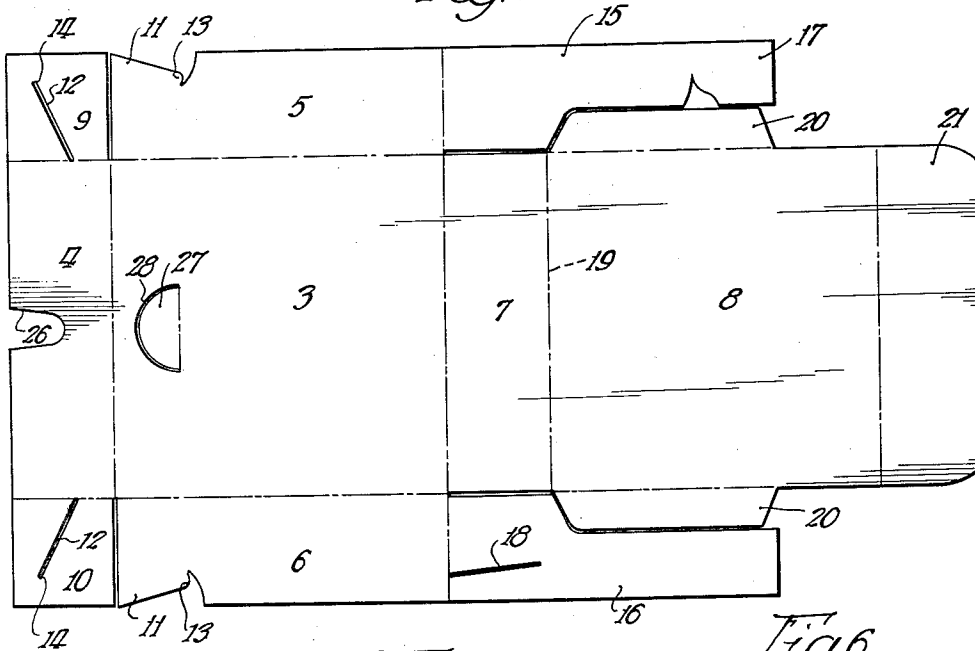


Fig. 5

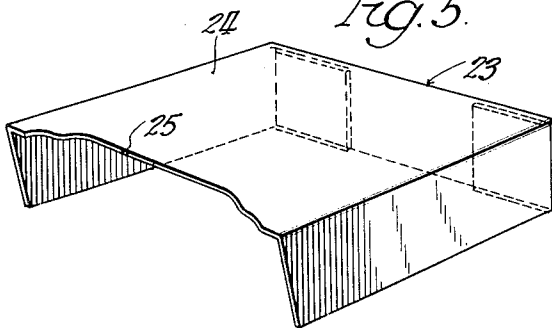
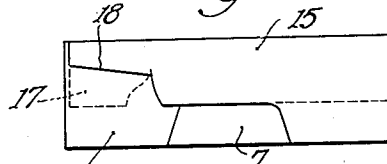


Fig. 6



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UNITED STATES PATENT OFFICE

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CONTAINER FOR MULTIPLE SHEETS

Application filed March 30, 1932. Serial No. 601,910.

This invention relates to containers for multiple sheets and is of particular utility in providing both a package and a semi-permanent container for sheets of cloth stacked in multiple.

The invention is of marked usefulness in connection with sheets of filter cloth for filtering liquids such as milk or the like where the cloths are desirably to be kept covered as much as possible and handled no more than necessary.

The invention, among other advantages, enables the filter cloths to be kept in the container in which they are packaged at the factory, until used, when one sheet may be removed at a time without disturbing the other sheets, while the other sheets are subjected to a minimum of exposure and no handling.

The invention will be more fully explained by reference to the accompanying drawings in which—

Figure 1 is a perspective view of a container embodying my invention with the lid raised;

Figure 2 is a side elevation of the structure of Figure 1, parts being shown in section and indicating the purpose of the slot in the bottom of the box;

Figure 3 is a front to rear section through the container with the lid closed;

Figure 4 is a plan view showing the development of the box included in the container;

Figure 5 is a perspective view of the inverted tray included therein; and

Figure 6 is a rear view of the container showing the interlocking flaps.

In the illustrative construction, the box 1 may be advantageously formed of relatively light cardboard and the lid 2 formed integrally therewith and developed from a single flat piece, as best shown in Figure 4.

To fold the blank shown in Figure 4 into completed box form, as shown in Figure 1, a portion 3 becomes the bottom of the box and the portion 4 the front, portions 5 and 6 the sides, the portion 7 the back and the portion 8 the lid. The portions 4, 5, 6 and 7 are first bent vertically to the portion 3 and the side flaps 9 and 10 are bent to overlap on

their inner surfaces the portions 5 and 6, the tongues 11 being inserted through the slits 12 in the flaps 9 and 10. These parts when so interengaged are secured together by reason of fingers 13 which engage the upper ends 14 of the slits 12. As here shown, the back portion 7 is retained in secure engagement with the side portions 5 and 6 by means of rear overlapping flaps 15 and 16 integrally attached to the sides 5 and 6, respectively, and bent to lap the back portion 7 upon its outer face. These parts may be secured in interengagement as by means of a tongue 17 in which the flap 15 terminates and which is inserted into the slit 18 in the flap 16 as best shown in Figure 6. At this stage, the structure 1 is usually box form and the lid 8 is hinged thereto as by being scored along the line 19. It will be readily understood that the other bent portions heretofore referred to may also have been conveniently scored along the broken lines indicated in Figure 4 to facilitate bending of the parts as described. The lid 8 may also have flaps depending therefrom such as the side lid flaps 20 and the front lid flap 21 which may be radially bent from the lid portion 8 by being first scored along the broken lines similar to the line 19 as indicated in Figure 4.

The box thus formed may be filled with multiple sheets such as the stack of filter cloths 22. When the box has been filled with these cloths, as indicated in Figure 1, in accordance with this invention, an inverted tray 23 is placed thereover. The inverted tray 23 may also be advantageously formed of cardboard similar to the box 1 and is of substantially the same volume as the box being telescoped therewithin, the top 24 of the inverted tray 23 substantially covering the filter cloths 22. As here shown the tray 23 is cut away as at 25 at its front wall and at a portion of its top adjacent to what would otherwise be its front wall and adjacent also to the top front margin 4a of the box. This cut away portion thus provides access to the tray to lift the filter cloths, such as the top filter cloth therefrom. As so constructed and arranged when the lid is raised, the top filter

cloth 22 may be grasped by the thumb and finger of the user and readily drawn from under the top 24 without disturbing the other sheets of cloth and permitting the other sheets to remain substantially covered at all times.

As successive sheets are drawn from the container and the stack of sheets 22 is reduced in height, means are provided for rendering the remain sheets readily accessible. For example, a slot 26 of about the width of a man's thumb is provided in the front 4 of the box 1 and opening into the top front margin 4a of the box to cooperate with the cut away portion 25 of the tray permitting the thumb and finger to be inserted farther into the tray 23 as need arises. When the contents of the container has been depleted so that the stack of cloths 22, for example, is relatively low, additional means may be provided for rendering these accessible at the upper front margin of the box. As shown in Figure 2, a tongue 27 is desirably struck out from the bottom 3 of the box as by cutting an arcuate slit 28 therein adjacent the bottom front margin of the box, so that the tongue 27 flexes away from the front of the box and into the interior thereof. This permits a finger of the left hand, for instance, to be inserted through the aperture 29 in the bottom of the box to raise the front edges of the remaining sheets 22 into the region of the cut away portion 25 where they may be grasped by the thumb and finger of the right hand.

In accordance with the invention when the goods are packaged in the container illustrated, at the factory for example, the lid

is closed over the box 1 and the tray 23 therein and the side depending flaps 20 of the lid 2 telescope within the box 1 between the tray 23 and the sides 5 and 6 of the box. Also the front depending flap 21 of the lid telescopes into the box 1 between the tray 23 and the front 4 of the box. The front depending flap 21 thereby forms a closure for the cut away portion 25 of the tray and the slot 26 of the box, completely covering the filter cloths 22 and protecting them from external contacts. At this time the tongue 27 which is adapted to open normally only inwardly into the box 1 is maintained closed by the pressure of the sheets 22 within the box.

An embodiment of the invention having been described, what is claimed is:

A container of the class described comprising a box; an inverted tray enclosed in the box and having one wall and a portion of its top cut away at a margin of the box to provide an aperture affording access to the tray, the front side of the box adjacent the cut away portion of the tray having a slot opening into its margin and communicating with said aperture; and an integral lid hinged at the rear side of the box and having an integral flap snugly telescoping between the front side of the box and the tray to perform the double function of maintaining the lid closed and closing the said aperture and slot.

In testimony whereof, we have signed our names to this specification.

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