

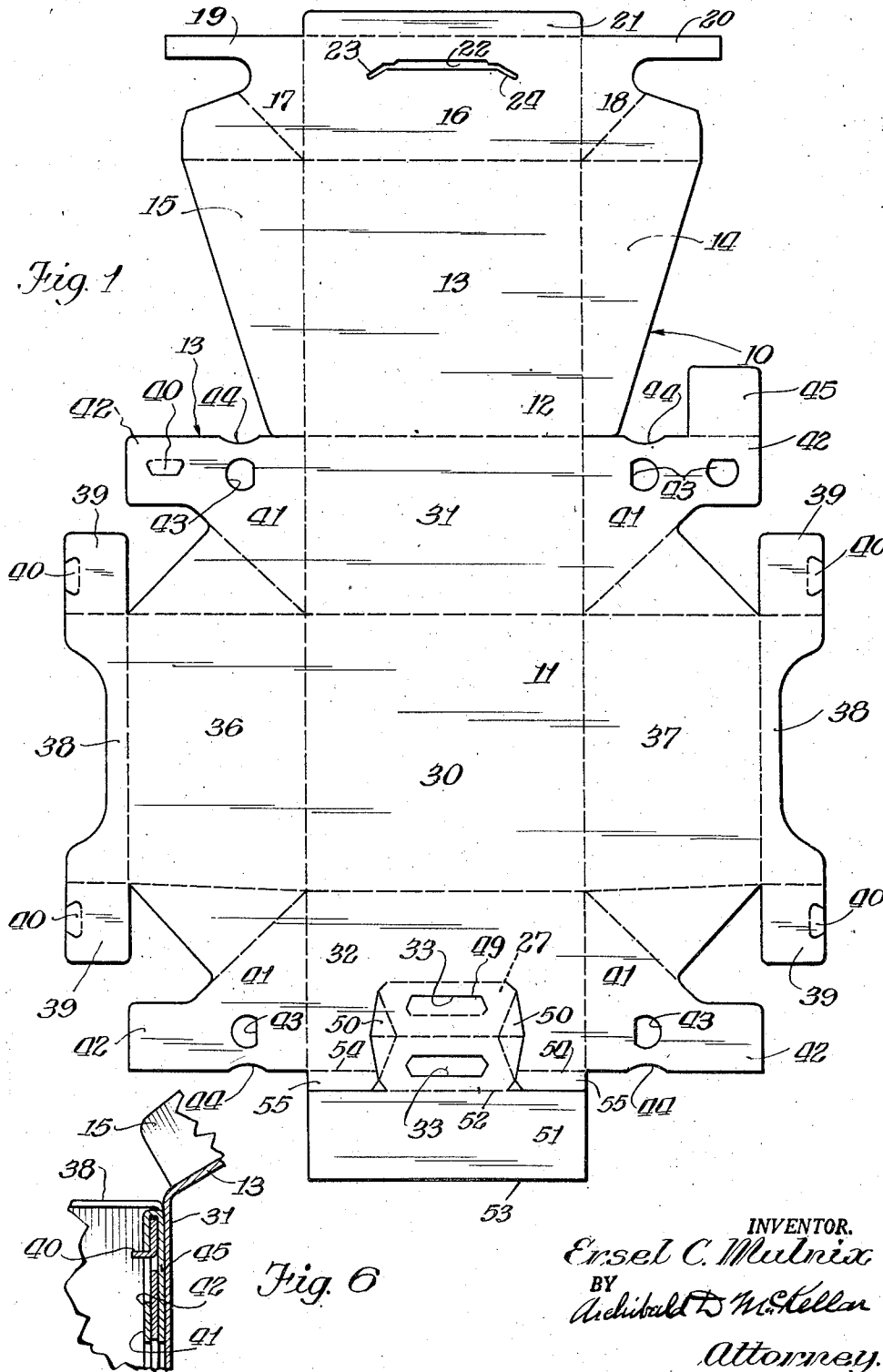
Nov. 16, 1948.

E. C. MULNIX
MILLINERY BOX

2,454,196

Filed Nov. 8, 1946

2 Sheets-Sheet 1



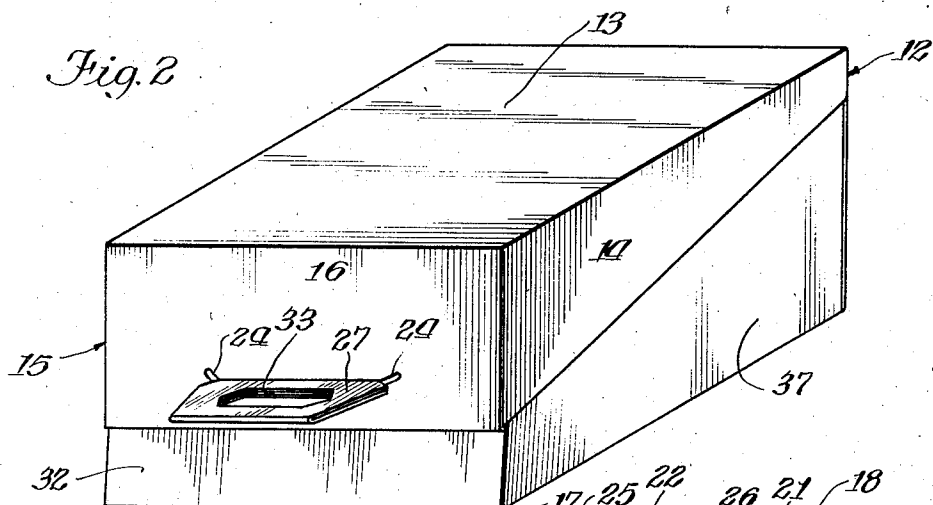
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2 Sheets-Sheet 2



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MILLINERY BOX

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3 Claims. (Cl. 229—31)

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The invention relates to boxes constructed of sheets of cardboard or the like, which are designed to carry certain articles of merchandise in a tidy and effective manner. The invention further relates to boxes of this general kind which are formed from a single sheet scored and margined to fold into a container, but more particularly in this instance to fold into a closed container for millinery or the like; and has for its objects the provision of a box of this kind which will not only be ornamental but will be simple of construction, economical to manufacture and assemble, and highly efficient in use.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which

Figure 1 is a plan view of a blank of cardboard suitably margined and scored, from which the container embodying the invention may be easily and quickly formed;

Figure 2 is a perspective view of the container when formed and ready for use;

Figure 3 is a perspective view of the container when open and in the process of assembly;

Figure 4 is a perspective view of a fragmentary portion of a side rail and the novel locking mechanism;

Figure 5 is a section taken on line 5—5 of Figure 3; and

Figure 6 is an enlarged section taken on line 6—6 of Figure 3.

The embodiment of the invention illustrated in the drawings envisions a blank 10 of cardboard or the like comprising a base portion 11 and a cover portion 12. The cover portion 12 comprises a top panel 13, side walls 14 and 15 and a panel 16 forming the face of the said cover 12. The side walls 14 and 15 and the panel 16 are arranged vertically with the corner sections 17 and 18 folded and lapped against the inner side of the panel 16 with tongues 19 and 20 projecting inwardly from the sections 17 and 18, in position, respectively, to be covered by an apron panel 21, where it may be fastened, if desired, by staples or the like. The panel 16 is provided with a slotted opening 22 having contiguous angular notches 23 and 24 forming lips 25 and 26 which, when in closed position, form latching means for a handle 27.

The base portion 11 of the box comprises a bottom panel 30 joining a rear wall 31 which is

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foldably hinged to the top panel 13 of the cover portion 12. A front panel 32 of the base 11 has an integrally formed handle 27 of double thickness provided with a hand hole 33. The handle 27, having shoulders 34 and 35, is arranged and adapted, when folded, to pass through the slot 22 in the panel 16 where the said shoulders 34 and 35 are latchably held by the lips 25 and 26 of the cover portion 12.

Attached to the bottom 30, on opposite sides thereof, are suitable side walls 36 and 37, each provided at their top with a side rail 38 extending the full length thereof, and when in assembled position extend inwardly. At the top of said base 11 each of the rails 38 are provided at both of their ends with rectangular flaps 39 having suitable button tabs 40 at their inner margins. When the base portion is assembled, similarly folding corner panels 41 lie parallel to the rear wall 31, or to the front panel 32, as the case may be, with projecting tongues 42 and 42 overlapping. Each of the corner panels 41 is also provided with a suitable hole 43 which, when in folded position permits the passing of a button tab 40 inwardly in erected position and engagement therewith. It is further to be noted that the flaps 39 being rectangular, their position against the adjacent side wall serves to hold the side rail 38 in horizontal position, and by means of the button tab in the hole 43 serves to lock the corner structure in engaged and cooperative position. The overlapped tongues 42 and 42 are held in place by a flap 45 carried by one of the panels 41, as best shown in Figure 6.

It is further to be noted that one of the tongues 42 carries a button tab 40 which, when assembled, passes through the hole 43 of the other tongue 42. In the assembly of the corner panel 41 and the tabs 39 of the rails 38, it is to be noted that the said tabs 39 are placed between the inner surface of rear wall 31 and the corner panel 41. Suitable thumb notches 44 are formed on the upper edges of the corner panels 41 to facilitate the entrance of the tab 39 into juxtaposition with the said wall 31.

The front of the base portion 11 is provided with a front panel 32 from which is cut the handle 27, and comprises an inwardly folding reinforcing tab 49, and end folding reinforcing members 50, as best shown in Figures 1, 2 and 3. A panel 51 is hinged at the outer edge 52 of the handle 27, and when in erected position has its outer marginal edge 53 pushed backward in line with the scoring 54 and held in place by two tabs 55. The corner panels 41 at the front of the base

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11 are provided with overlapping tongues 42, which are attached together and to panel 51 in alignment therewith, with the tabs 55 folded over the upper edge, as will be readily understood. The corner panels 41 are folded inward over end wall 32, and stitched to end panel 51.

While I have illustrated and described a specific form for carrying my invention into effect, I do not wish to be limited by these very precise details, but desire to avail myself of such variations in the combinations and arrangements of parts as may come within the spirit and scope of the appended claims.

I claim:

1. A box of integral construction comprising a cardboard blank margined and scored to fold into a cover portion having a top panel; side walls on opposite sides of said top panel; a front panel arranged outwardly of said top panel; an apron on the outer end of said front panel; corner sections between said side walls and said front panel adapted to fold against the inner face thereof; a tongue member carried by each opposite corner member arranged and adapted to project inwardly in overlapped and relative gripping position to be covered and held by said apron when folded; and a base portion adapted to be closed by said cover portion comprising a rear wall hingedly formed with said top panel of said cover portion; a bottom panel connected to the lower edge of said rear wall; side walls attached to opposite sides of said bottom panel; an inwardly projecting side rail foldably attached to the top of each side wall; rectangular folding flaps carried at each end of each side rail arranged and adapted to be folded into pocket engagement with diagonally folding corner members at each corner of said base portion; and button means forming a part of each of said folding flaps arranged in position to engage the innermost corner

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member at each corner; there being in each of said innermost corner members a hole to receive said button means.

2. In a box of integral construction having a base portion with a rear wall adapted to hingedly support a folding cover portion; a bottom panel connected to a front handle carrying wall; side wall joined to opposites of said bottom; diagonally folding corner members at each corner of said base portion; a side rail at the top of each side wall adapted to be arranged in horizontal position; a rectangular tab carried at each outer end of each side rail adapted to be folded between the said diagonally folding corner members; a button tab forming a portion of each rectangular tab at the outer edge thereof; there being an opening in the innermost portion of said diagonally folding corner member arranged and adapted to engage said button tab.

3. The construction specified in claim 2 in which each innermost folding member is provided with an outwardly extending tongue arranged and adapted to overlap its end when in folded position with its companion member.

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