

Aug. 29, 1944.

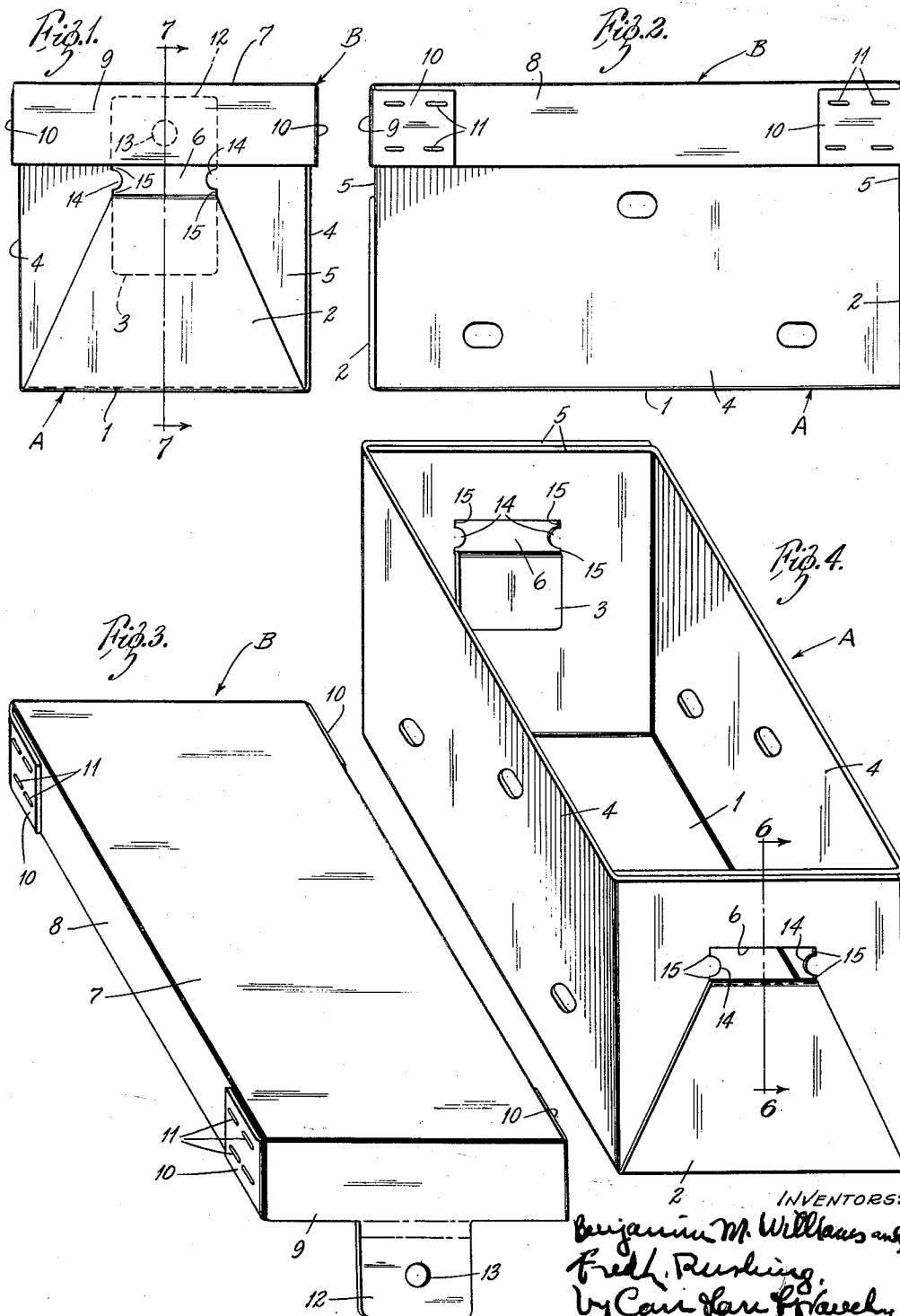
B. M. WILLIAMS ET AL

2,357,155

CONTAINER

Filed Jan. 18, 1943

2 Sheets-Sheet 1



INVENTORS:
Benjamin M. Williams and
Fred. Rushing,
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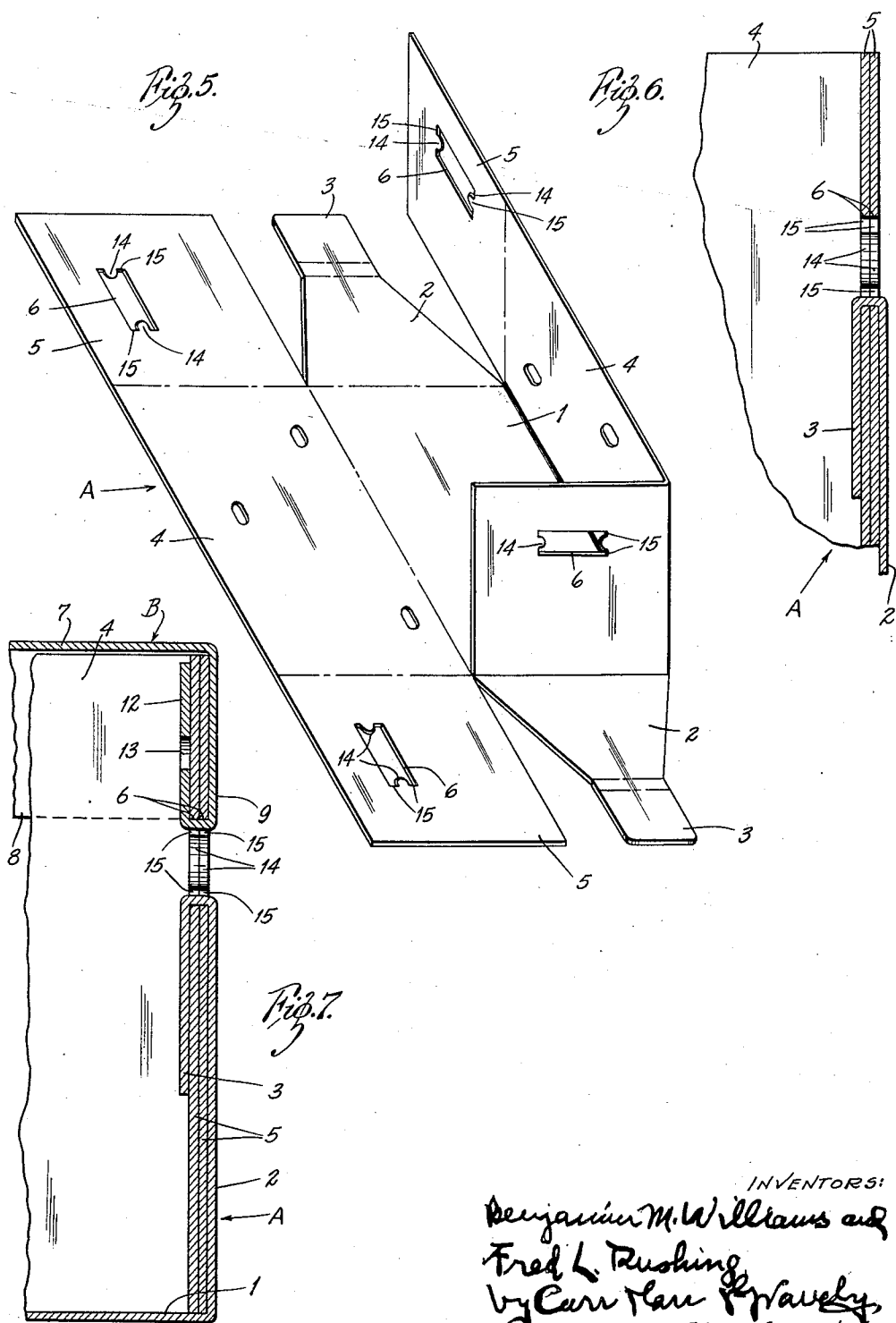
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CONTAINER

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2 Sheets-Sheet 2



INVENTORS:
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UNITED STATES PATENT OFFICE

2,357,155

CONTAINER

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Application January 18, 1943, Serial No. 472,658

1 Claim. (Cl. 229—35)

This invention relates to containers, particularly shipping cartons of the kind comprising a body and a slip cover therefor. The principal objects of the present invention are to provide for quickly and easily locking the cover to the body without the use of separate locking members; to provide for readily unlocking the cover to permit inspection of the contents of the carton; to provide for holding the body of the carton in erected position without the use of staples or glue, and to provide for strength, durability, simplicity and economy of construction. The invention consists in the carton and in the construction, parts and combinations and arrangements of parts hereinafter described and claimed.

In the accompanying drawings, which form part of this specification and wherein like symbols refer to like parts wherever they occur,

Fig. 1 is an end view of a carton embodying my invention,

Fig. 2 is a side view of said carton,

Fig. 3 is a perspective view of the cover of the carton,

Fig. 4 is a perspective view of the body of the carton,

Fig. 5 is a perspective view showing the body of the carton in the process of erection,

Fig. 6 is an enlarged fragmentary vertical cross-section on the line 6—6 in Fig. 4; and

Fig. 7 is an enlarged fragmentary vertical cross-section on the line 7—7 in Fig. 1.

Our invention is shown embodied in a shipping carton comprising a body A and a slip cover B therefor, both made of corrugated board, fiberboard or other bendable material. The body A of the carton preferably comprises a bottom wall or panel 1 with outwardly tapering end flaps 2 that terminate in locking tongues or tabs 3, and side walls or panels 4 with end panels 5 having elongated hand holes or slots 6 cut therein. The body A is set up or erected by folding the side panels 4 upwardly into vertical position and by bringing the end panels 5 thereof into overlapping relation, with the hand holes 6 thereof in register. The end flaps 2 of the bottom panel 1 are then bent upwardly outside of the overlapped end panels 5, and the locking tabs or tongues 3 of said end flaps are pushed through the registering hand holes 6 in said lapped end panels and bent downwardly inside thereof.

The slip cover B comprises a top panel or wall 7 and depending side and end walls or flanges 8 and 9, respectively, the end walls 9 having end flaps 10 that are bent alongside the side walls 9

and rigidly secured thereto preferably by means of staples 11. The end walls 9 of the slip cover B have locking tongues or tabs 12 depending therefrom that are bent inwardly through the registering hand holes 6 in the lapped end panels 5 and are thence bent upwardly inside thereof, thereby locking the cover in place. As shown in the drawings, the upwardly bent end portions of the locking tabs 12 of the cover B have finger holes 13 therein.

As shown in the drawings, the ends of the registering hand holes 6 in the lapped end panels 5 are provided with inwardly extending semi-circular lugs 14, which form notches 15 in the four corners of said holes. The locking tabs 3 of the upturned bottom panel flaps 2 are snugly engaged in the notches 15 at the lower corners of the hand holes 6 and are thus retained therein; and the locking flaps 12 of the cover B likewise snugly engage the notches in the upper corners of said hand holes and are thus retained therein.

The hereinbefore described carton has several important advantages. The body and cover may be shipped in knockdown form and readily erected for service. The overlapped end panels 5 are locked together merely by inserting the locking tabs 3 through the hand holes 6 therein and bending said tabs downwardly inside said body; and the cover is locked to the body merely by inserting the locking tabs 12 through said hand holes and bending them upwardly, the tabs 12 also serving to hold the body in setup position. The contents of the carton tends to prevent accidental unfolding of the locking tabs 3 and 12 while the notches 15 in the corners of the hand holes serve to space said tabs apart to permit insertion of the fingers therebetween. The locking tabs 3 and 12 also serve to stiffen the carton along the horizontal edges of the hand holes 6; and the locking tabs 12 also provide smooth rounded edges for the fingers along the upper edges of the hand holes and are pressed tightly against the end panels 5 by the upwardly bent fingers when the carton is lifted. The carton is particularly adapted for use in shipping fruits and vegetables, which must be inspected upon arrival at the consuming market. When it is desired to inspect the contents of the carton, the fingers are inserted through the hand holes 6 and into the finger holes 13 in the upturned locking tabs 12 of the cover B, which tabs are then drawn outwardly through the openings, thus permitting removal of said cover.

Obviously, numerous changes may be made without departing from the invention and I do

not wish to be limited to the precise construction shown.

What we claim is:

A container comprising a body and a cover therefor, said body comprising end walls including overlapped flaps with registering substantially rectangular openings therethrough and locking flaps that extend upwardly along the respective end walls and are bent inwardly through the openings therein and downwardly around the lower edges thereof, the ends of said cover having tabs depending therefrom that extend downwardly along the outer sides of said end walls and are bent inwardly through said openings and

upwardly around the upper edges thereof, said openings being large enough to facilitate such bending of said body and cover flaps, withdrawal of said cover flaps from said openings and handling of said container by inserting the fingers in said openings, said openings have notches in the upper and lower corners thereof adapted to receive the inwardly bent body and cover locking strips, respectively, and space them far enough apart to provide clear spaces therebetween for the fingers.

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