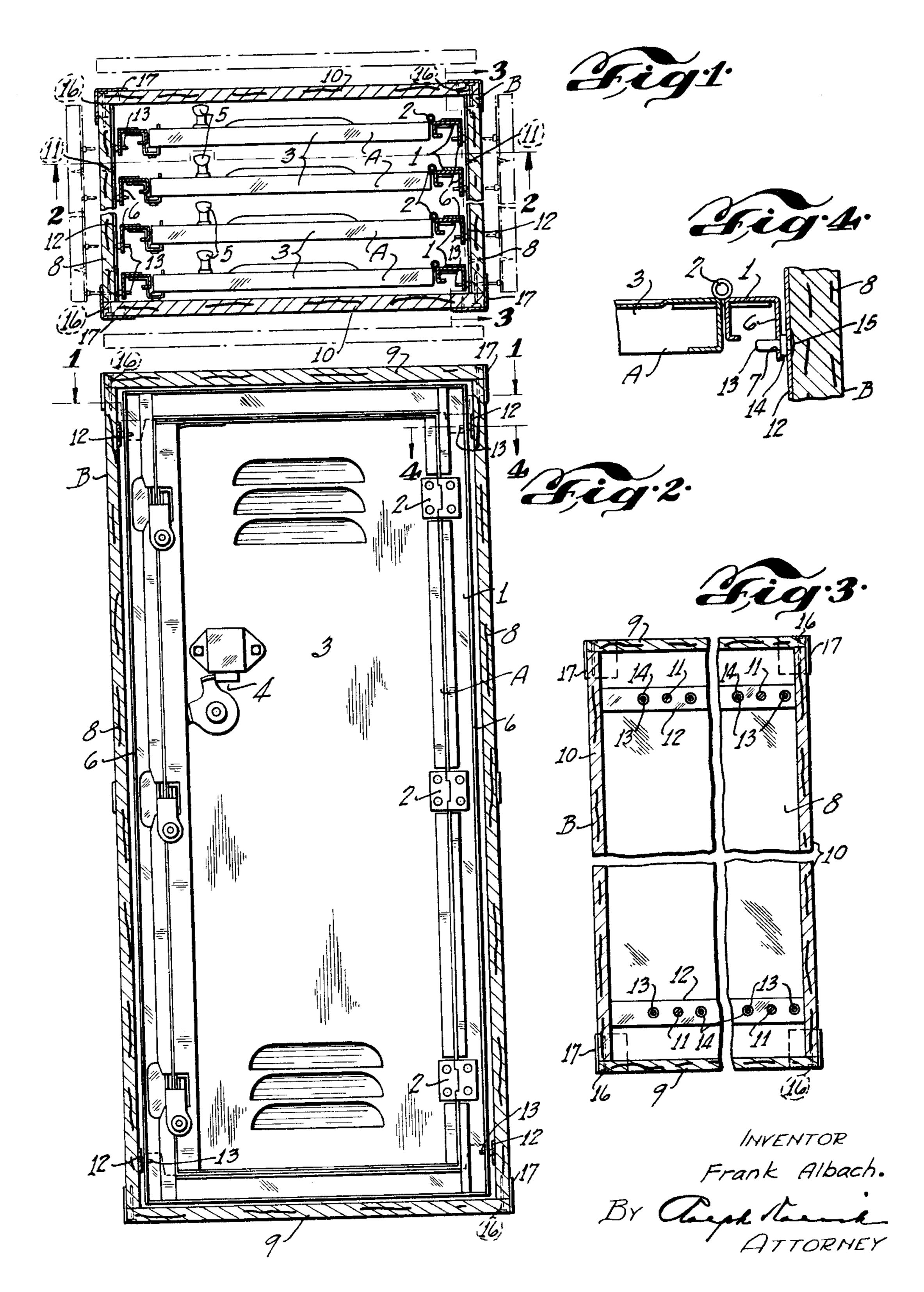
PACKING OR SHIPPING CASE

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PACKING OR SHIPPING CASE

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and shipping containers, and has more par-which, as by suitable hinges 2, is a door 3 manufactured and finished articles of a latched to its frame 1 in closed position. shipping-container.

15 apart relation for preventing finish-damag- locker-walls, not shown, are usually in the 65 container during shipment.

20 tures of form, construction, arrangement, derstood, the frame 1 preferably includes 70 and combination of parts hereinafter described and pointed out in the claims.

In the accompanying drawing,—

25 view, taken approximately along the line 1-1, Figure 2, of a packing-case or shippingcontainer of my invention, the walls of the case or container being shown by dot-dash lines in detached assembling relation;

Figure 2 is a longitudinal sectional view of the case or container taken approximately

along the line 2-2, Figure 1;

Figure 3 is a reduced transverse sectional view of the case or container taken approxi-35 mately along the line 3-3, Figure 1; and

Figure 4 is an enlarged fragmentary sectional view of a portion of a locker panelsection and an adjacent container-wall, taken approximately along the line 4-4, Figure 2. Referring now more in detail and by refer-

ence characters to the drawing, which illus- down relation. trates a preferred embodiment of my invention. A designates what may be described as ficiently meets all requirements and convena fabricated panel-section, that is to say, a 45 finished or manufactured article of a generally flat more or less oblong rectangular sions for enclosing a suitable or desired memshape and contour and hence adapted for ber of the sections A and preferably includes multiple packaging for shipping purposes co-operable side walls 8, end walls 9, and

This invention relates generally to packing frame 1, permanently hingedly mounted in ticular reference to a case especially adapted suitably provided at its free margin with for the packing and shipping of fabricated latching-mechanism 4 including a handle 5, 5 panel-sections and the like, that is to say, whereby the door 3 may be conveniently 55

generally flat approximately rectangular. For economic reasons, to conserve shipshape suitable for stacking in multiple in a ping space, and to effect a saving in freight, the frame 1, door 3, and latching mechanism My invention has for its prime objects the 4 are assembled at the factory and, as assem- 60 provision of a container of simple and sturdy bled, are shipped to the desired location for construction for enclosing the panels and connection with the remaining side, rear, and embodying means for engaging the panel-end walls in the construction, formation, and sections for rigidly securing them in spaced installation of the complete locker. Such ing shifting movement thereof within the form of flat metallic sheets or sections of the proper dimensions, and to facilitate perma-And with the above and other objects in nent rivet-connection between the frame 1 view, my invention resides in the novel fea- and the remaining locker-walls, as will be unlateral side or marginal portions 6 provided with suitably spaced rivet-apertures 7.

However, unless the locker-sections A are Figure 1 is a transverse sectional plan most carefully packed, marring or other damage to their finish frequently occurs in 75 their shipment from the factory to the plant, gymnasium, school, hall, or other location where the lockers are to be completed and installed; and heretofore, so far as I am aware, for the want of an efficient packing case, great 80 care had to be exerted and considerable expense incurred in the proper packing of the panel-sections A to insure their arrival in factory finished condition at their lockerformation destination. In either event, the 85 care and expense, on the one hand, or the repairing of the damage, on the other hand, quite often neutralized the saving in freight that would otherwise accrue by reason of the shipment of the locker-sections in knocked- 90

> My new packing and shipping case B efiently effects all the economies mentioned.

The container or case B may be of dimen- 95 and the like. In the present instance, the front and rear walls 10. Preferably also the panel-section A comprises a steel-locker door- walls of the case B are initially in "knocked- 100"

down" or detached condition, as shown by verse side-wall 8 is, in turn, disposed for endot-dash lines in Figure 1, for subsequent gaging its stude 13 with the opposite lateral assembly and closure upon a member of the frame flanges 6 of the several panels A, and panel-sections A, as will presently appear. the walls 10 then applied and secured to the

Fixed, as by suitable fastening elements 11, as shown in Figure 3, to and upon the inner face of each of the side walls 8, is a plurality, preferably a pair, of longitudinally spaced transverse preferably flat metallic straps or bars 12, the bars 12 on one wall 8 being preferably, though not necessarily, in registration with the bars 12 on the opposite wall 8 of the assembled case B, as best seen in Figure 2, and so preferably located on the walls 8 as to enable convenient utilization, for packing and shipping purposes, as will presently appear, of the rivet-apertures 7 of the respective sections A to be packed and shipped.

Fixed to, and rigidly projecting inwardly from, the respective bars 12, are series of pins or studs 13 suitably spaced and disposed for ensuing hookwise engagement with respective apertures 7 of the particular panels A to be packed within the case B, as will presently appear. Preferably, each of the pins or studs 13 comprises, as best seen in Figure 4, an integrally formed spacer-element or collar 14 for abutting the inner face of the bar 12 and a suitable rivet-shank extending from the collar 14 through the bar 12 for rivet-heading purposes, as at 15, for rigidly and permanently securing the pin or stud 13 to the bar.

As shown in Figure 1, the pins or studs 13 are fixed on their respective bars 12 in such manner that, on bringing the several walls of the case B into panel-packaging assembled relation, the studs 13 on the opposite walls 8 are in opposed relation and registration for 40 co-operative panel-supporting engagement with corresponding opposed apertures 7 in the particular panel-sections A for thereby rigidly securing and retaining the same in spaced apart and substantially non-shiftable relation within the case B, the several walls of which may be secured together about the panels A in any suitable manner, as by fastening elements 16, and, if desired, suitable corner bracing 17 may be employed for reinforcing the container-structure.

In the present instance, the several walls of the case B are shown as solid members of wooden construction; however, such walls may be of metal or other material, of frame construction with fiber or plywood panels, or of spaced slat skeleton formation, as may best serve the purpose.

In packing a number of the panels A for shipment, or in constructing a shipment-package thereof, as it may be said, the several panel-sections A are suitably engaged at a lateral side with a transversely disposed side wall 8, each section A engaging its corresponding lateral frame flange 6 with a pair of the wall-presented study 13, the other trans-

verse side-wall 8 is, in turn, disposed for engaging its studs 13 with the opposite lateral frame flanges 6 of the several panels A, and the walls 10 then applied and secured to the margins of the walls 8, as shown in Figure 70 1, the end walls 9 then being applied and secured to the margins of the walls 8 and 10, as shown in Figure 2. Thus, the packaging-case B is built-up and embraced around its contents for rigidly retaining the same in suspended spaced relation.

The resulting container-structure is of simple, yet sturdy and strong construction, and it will be seen that the panels A may readily be, and preferably are, supported in the case B in spaced relation from the walls thereof, merely the collars 14 being in engagement with the panel-flanges 6, and also that the studs 13 support and retain the panels A substantially immovably in the case B, thereby preventing finish-damaging contact of protuberant portions of one panel A, as for example, the handle 5 thereof, with the confronting portions of an adjacent panel, as best seen in Figure 1.

It will be understood that changes and modifications in the form, construction, arrangement and combination of the several parts of my new panel-package or case may be made and substituted for those herein shown and described without departing from the nature and principle of my invention.

Having thus described my invention, what I claim and desire to secure by Letters-Patent is,—

1. A packing case comprising, in combination, a panel-section having apertures in its opposite lateral sides, a case including opposed walls disposed transversely of said lateral sides of the panel-section, and opposed members projecting inwardly from said walls for securing engagement with the panel-section at said apertures.

2. A packing case comprising, in combination, a plurality of panel-sections having apertures in their respective opposite lateral sides, a case including opposed walls disposed transversely of said lateral sides of the panel-sections, and opposed members spaced one from the other along and projecting inwardly from the respective walls for engagement with the respective panel-sections at said apertures for securing the several sections in correspondingly spaced relation intermediate said walls.

3. A packing case comprising, in combination, panel-sections having apertured flanges on their respective opposite lateral sides, a case including opposed walls disposed transversely of said flanges, and opposed members spaced one from the other along and projecting inwardly from the respective walls for hookwise engaging said flanges at said apertures for securing the several panel-sec-

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tions in correspondingly spaced relation intermediate said walls.

4. In a packing case, a plurality of panelsections each provided with apertures in its
respective opposite lateral sides, wall-members forming part of the case extending transversely of the lateral sides of the sections,
and a series of spaced studs projecting inwardly from the said wall-members for hookwise engaging the panel-sections at said apertures on assembly of the case for securing
the panel sections in correspondingly spaced
relation substantially immovably in the case.

5. In a packing case, a plurality of panelsections each provided with marginal flanges
along its respective opposite lateral sides,
said flanges being each formed with a series
of spaced apertures, wall-members forming
part of the case extending transversely of
said apertures, and a series of spaced studs
projecting inwardly from said wall-members for hookwise engaging said flanges at
said apertures on assembly of the case for
securing the panel-sections in correspondingly spaced relation in the case.

In testimony whereof, I have signed my

name to this specification.

FRANK ALBACH.

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