No. 806,058. PATENTED NOV. 28, 1905.

W. E. BROWN.

KNOCKDOWN OR COLLAPSIBLE BOX.

APPLICATION FILED JULY 22, 1904.

2 SHEETS—SHEET 1.

Fig: 1.

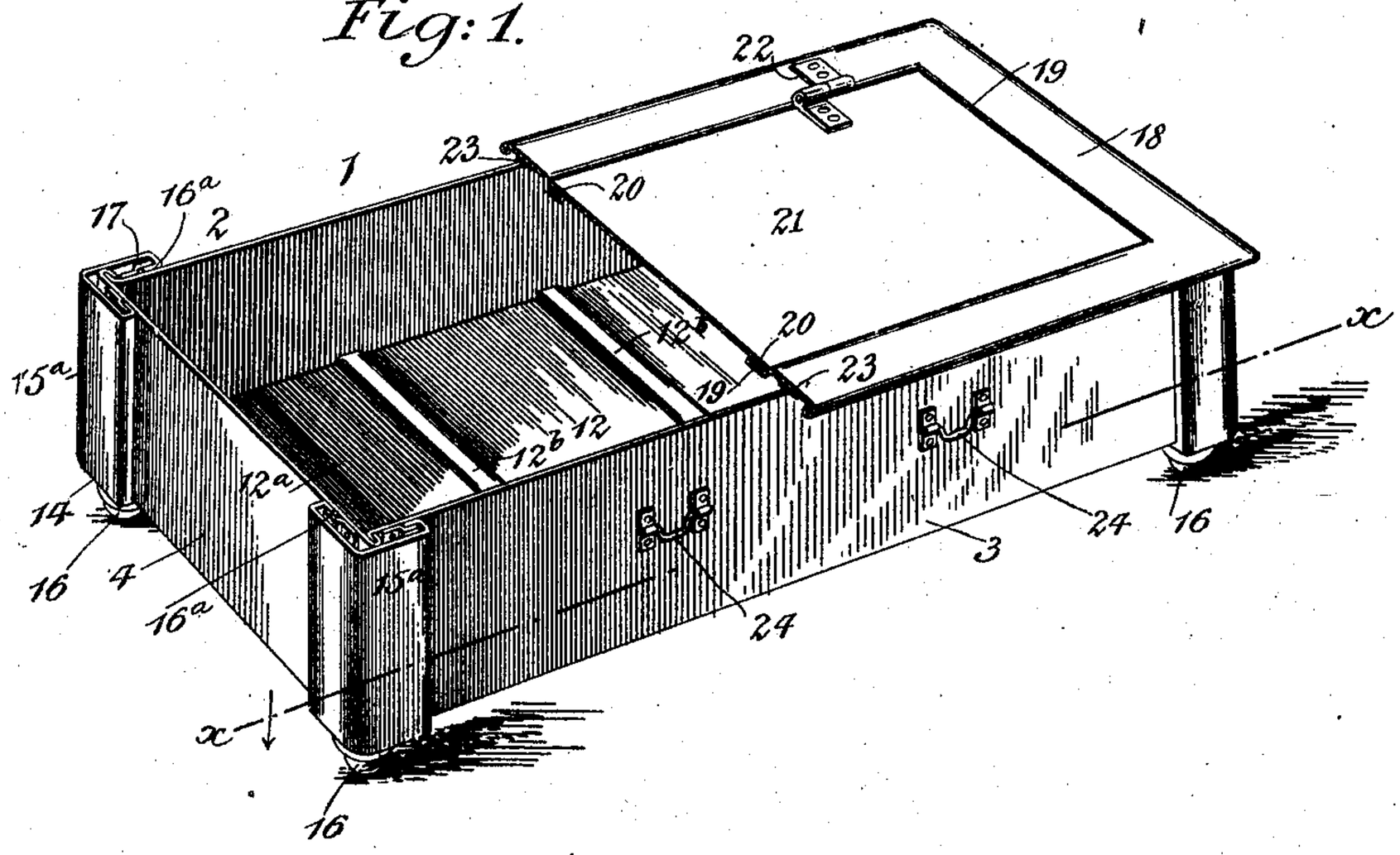
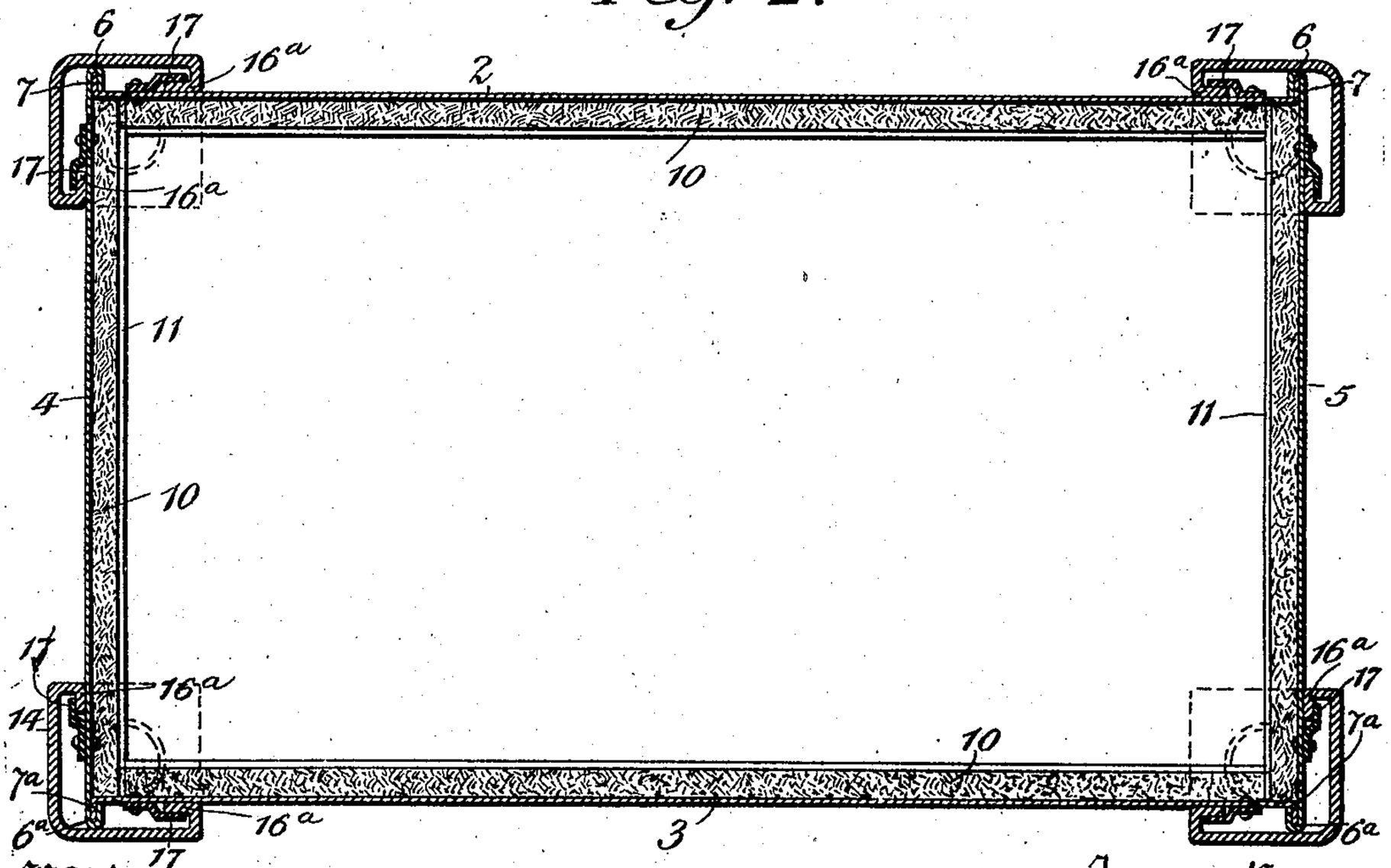


Fig: 2.



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Sara M. Russell.

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2 SHEETS—SHEET 2.

Fig: 3.

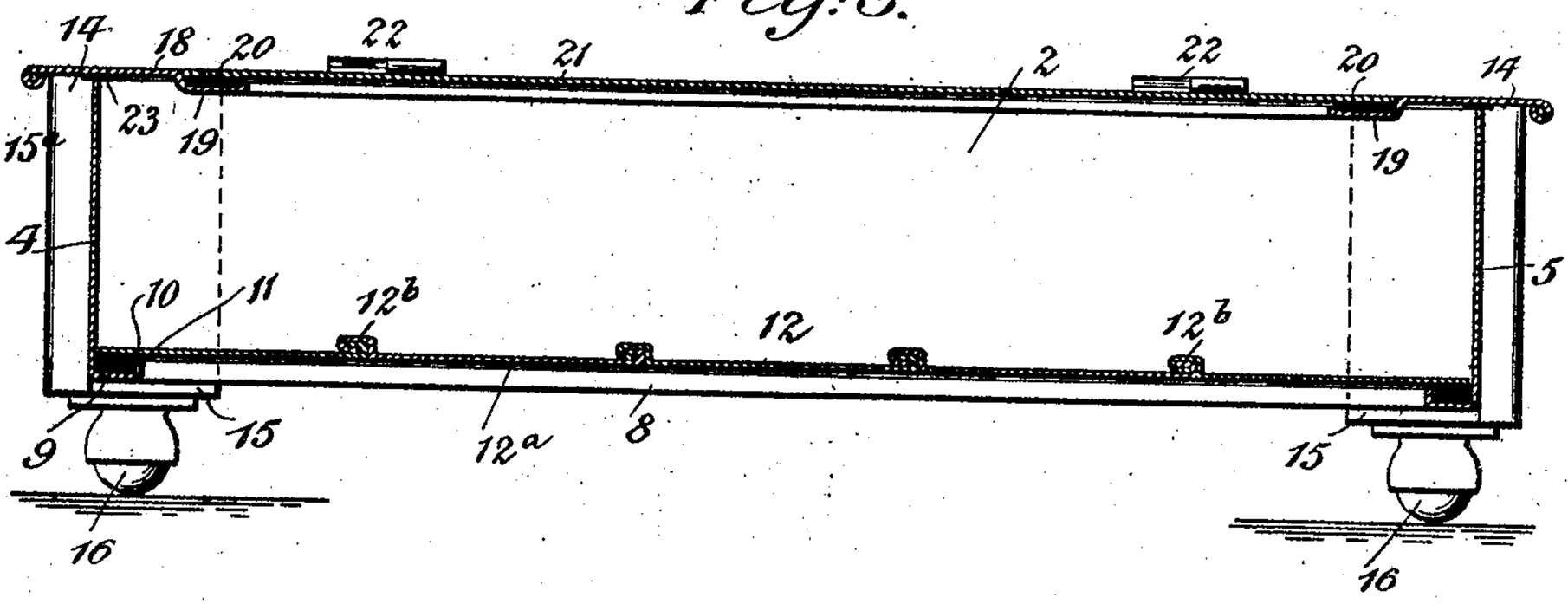

Fig: 4.

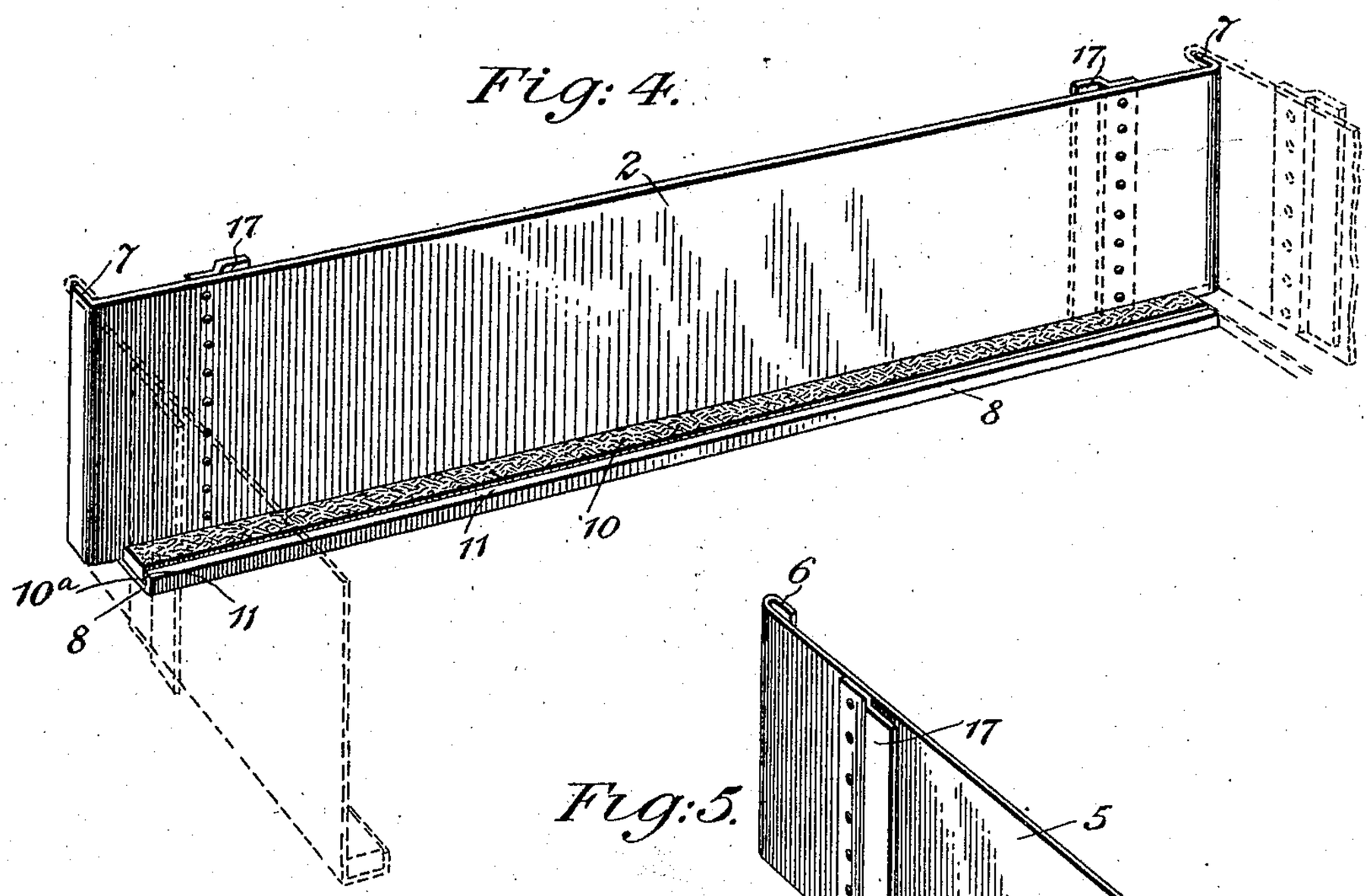

Fig: 5.

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UNITED STATES PATENT OFFICE.

WILSON E. BROWN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JAMES W. BROWN, OF PITTSBURG, PENNSYLVANIA.

KNOCKDOWN OR COLLAPSIBLE BOX.

No. 806,058. Specification of Letters Patent. Patented Nov. 28, 1905.

Application filed July 22, 1904. Serial No. 217,617.

To all whom it may concern:

Be it known that I, WILSON E. BROWN, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Knockdown or Collapsible Boxes or Similar Receptacles, of which the following is a specification.

My invention relates to a novel and convenient knockdown or collapsible box, wardrobe, or other similar receptacle to be used for the reception or shipment of goods of various kinds; and my object is to produce a receptacle of this character wherein the parts are so constructed and arranged as to be easily assembled and whereby a commodious interior is afforded the user and also one that may be easily and quickly taken apart and compactly bundled for transit to and from distant places. The parts are also particularly constructed for the purpose of forming an effectual barrier to the entrance of dust, &c., at such places where dust or other extraneous matter would be likely to pass to the interior.

A further object of the invention is to make the parts as light as possible, yet strong and durable, and with this object in view I preferably use sheet metal, which is strengthened at various points throughout.

With these and other objects in view my invention may be said to comprise a knockdown or collapsible receptacle having its inclosing walls made up of sections, and means for locking and maintaining said walls in their assembled position.

My invention further consists of the novel features of construction and arrangement of parts, all of which will be hereinafter fully described, and particularly pointed out in the appended claim.

To more fully comprehend the nature of my invention, however, and the manner in which same is or may be put into practical operation, reference must be had to the accompanying drawings, forming part of this specification, whereon similar reference-numerals indicate corresponding parts in all the figures, and wherein—

Figure 1 represents a perspective view of my invention, showing the parts in assembled position. In this view I have broken away a portion of the cover to show its construction as well as the construction of the bottom. Fig. 2 represents a horizontal section thereof, taken on the line $x\ x$ of Fig. 1. Fig. 3 represents a central longitudinal section. Fig. 4 represents a perspective view of one of the side walls removed, illustrating the manner in which they interlock with the end walls, which latter are shown in dotted lines. Fig. 5 represents a similar view of the end wall broken away, showing its formation at the lower edge.

Referring to the drawings, 1 designates the receptacle, 2 and 3 the side walls, and 4 and 5 the end walls, the ends of the latter being turned, as shown at 6 and 6^a, so as to embrace flanges 7 and 7^a, provided at the extreme terminals of the side walls 2 and 3. In this manner the side and end walls of the receptacle are held together. The lower edges of the side and end walls are turned, as represented at 8 and 9, respectively, so as to form a trough-like channel to receive a packing 10, the latter being provided with an extension 10^a along its entire length, which fits under an inwardly-projecting flange 11, formed on the turned edges 8 and 9 of the side and end walls, whereby such packing is effectually held against displacement. The upper surface of this packing 10 projects sufficiently beyond the face of the flange 11 so that when the bottom 12 is properly placed within the receptacle its contiguity with the packing will serve as an effectual barrier to the passage of dust and other extraneous matter, as will be evident. The bottom 12 may be made in one piece; but with the view of more compactly folding it for the purposes of transportation I prefer to make it up of sections 12^a, which interlock each other at their adjoining edges, as clearly shown at 12^b, so that when they are in proper position in the receptacle they will form one complete piece, capable, however, of being readily separated when necessary. These trough-like extensions 8 do not extend the entire length of the walls 4 and 5, and those on the end walls 2 and 3 are so regulated in length as to abut the side walls of the receptacle, so that when in assembled position they will form a complete and unbroken surrounding ledge of packing.

In order to give greater rigidity to the whole structure, I provide suitable corner-pieces 14, which take the form of angle-irons, having at their lower ends horizontal base portions 15, on the under side of which suitable sockets or other convenient retainers are located, wherein to receive casters 16, which latter serve to facilitate in the moving

of the receptacle from place to place when in its assembled position. These corner-pieces have their upright or vertical extensions 15ª turned inwardly to a point where they abut the side and end walls, where they are again turned to provide flanges 16ª, which engage keepers 17, riveted, respectively, to the side and end walls. These keepers take the form of metallic strips riveted to the side and end walls, as previously stated, and serve the dual purpose of strengthening them as well as keeping the corner-pieces in their proper relative position therewith, and it will be apparent that the horizontal base portions of the corner-pieces 14 will serve as substantial supports to the side and end walls of the receptacle.

18 designates an open frame having its outer edge preferably rolled and its inner edge depressed, so as to form a surrounding recess 19 to receive a suitable packing 20, upon which a cover 21 rests, the latter being hinged to the frame 18, as represented at 22. In this manner I provide a suitable and convenient cover for the receptacle, and under certain conditions I may employ a strip of rubber or felt 23, which may be cemented or otherwise fastened to the under side of the frame 18, and when in position will rest upon the upper edge of the receptacle, thus preventing the passage of dust into its interior. This cover 18 simply rests upon the upper edge of the walls and ends, as the box is not intended for transporting nor a "strong-box."

One or both of the side walls may be provided with appropriate handles 24, which may be grasped by the hands of the user in moving the receptacle from place to place, and in practice I prefer to make the whole structure of such a height as will permit of its being shoved under an ordinary bed, which will be desirable where there is a lack of room-space or other congested conditions.

From the foregoing it will be apparent that my invention provides in a simple and inexpensive manner a knockdown or collapsible trunk, wardrobe, or other similar receptacle which is particularly well adapted for the purposes intended, and it will be manifest that the same is susceptible to exterior ornamentation and that its size may be regulated to suit peculiar conditions, and I reserve the right to modify or change the parts in any manner that will fairly fall within its spirit and scope.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is as follows:

A knockdown or collapsible receptacle, comprising detachable side and end walls having keepers at their outer extremities, corner-pieces adapted to engage said keepers whereby the said side and end walls are locked, a removable bottom made up of interlocking sections, and a cover having a packing on its under side adapted to rest on the edges of the walls, whereby dust is excluded from the interior.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILSON E. BROWN.

Witnesses:

JOHN A. RENNIE,

SARA M. RUSSELL.