

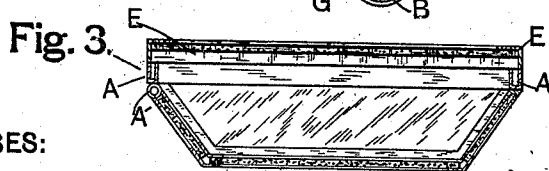
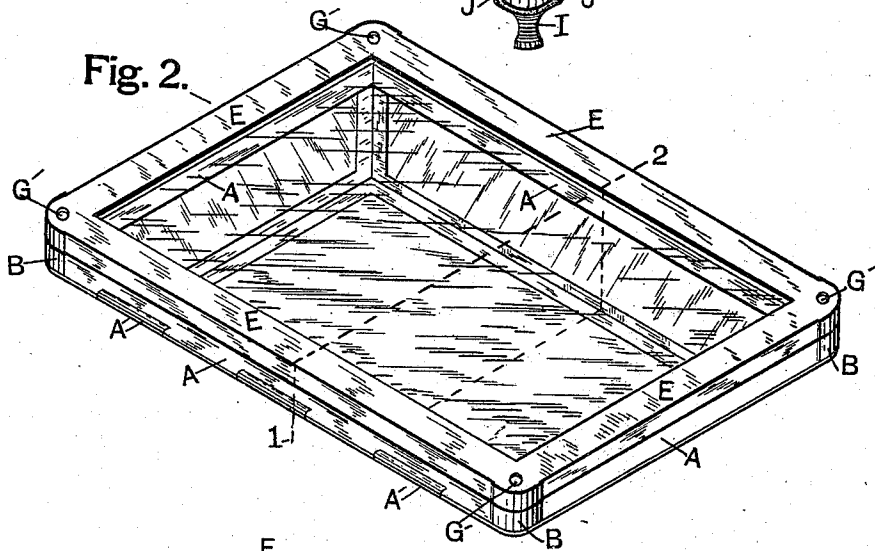
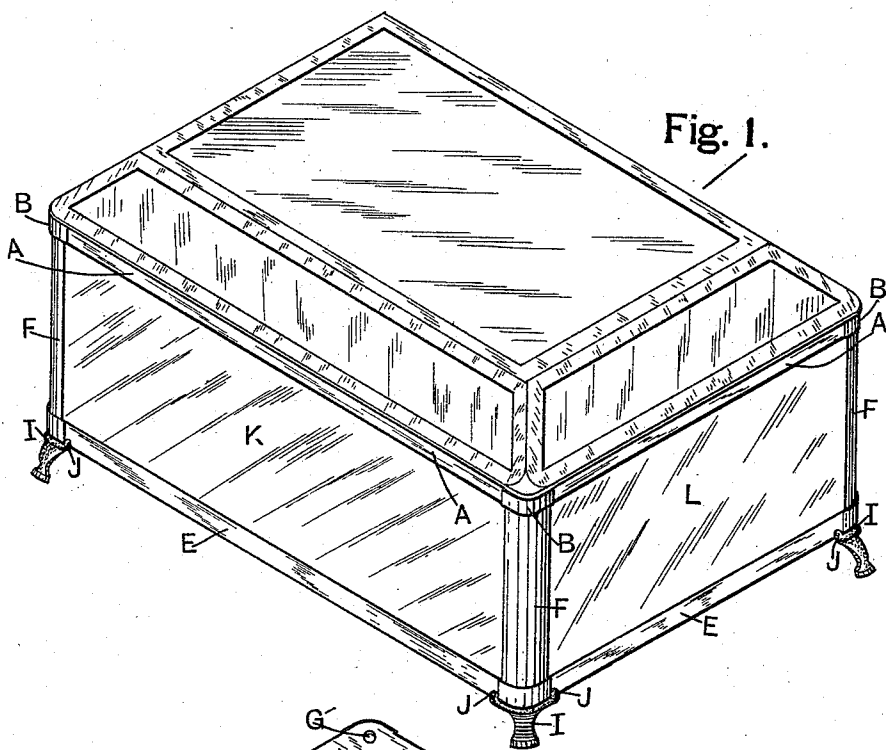
(No Model.)

2 Sheets—Sheet 1.

H. J. ERKENSWICK.
KNOCKDOWN FANCY BOX.

No. 534,788.

Patented Feb. 26, 1895.



WITNESSES:

H. A. Hale.
R. L. Brown

INVENTOR:

Hubert J. Erkenwick,
By his atty Oscar Snell.

(No Model.)

H. J. ERKENSWICK.
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2 Sheets—Sheet 2.

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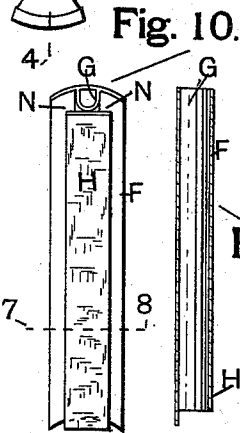
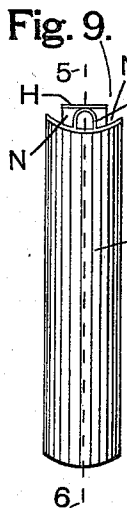
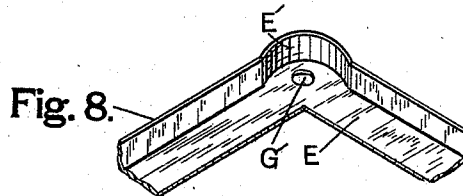
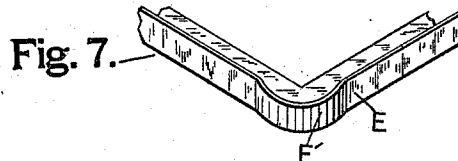
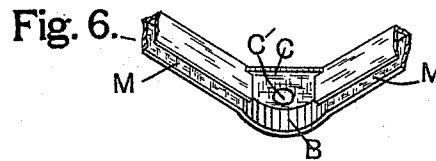
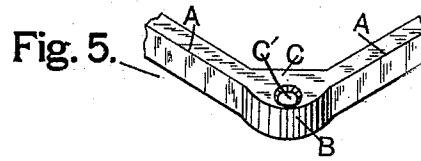
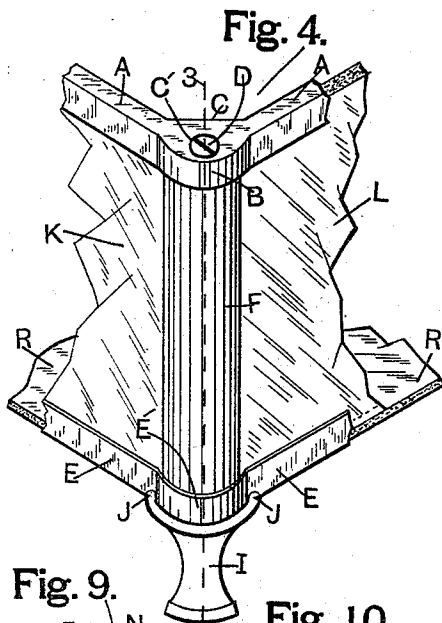
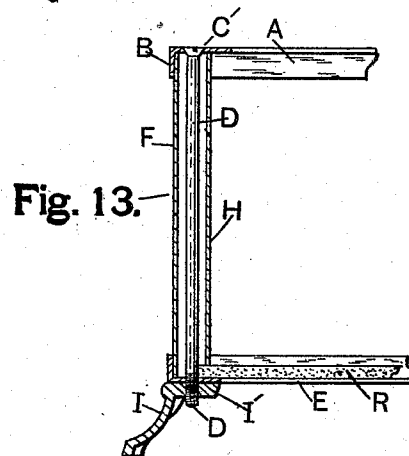
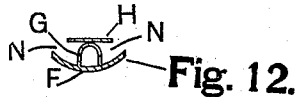


Fig. 11.



WITNESSES:

H. H. Hale.
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UNITED STATES PATENT OFFICE.

HUBERT J. ERKENSWICK, OF CHICAGO, ILLINOIS.

KNOCKDOWN FANCY BOX.

SPECIFICATION forming part of Letters Patent No. 534,788, dated February 26, 1895.

Application filed October 1, 1894. Serial No. 524,655. (No model.)

To all whom it may concern:

Be it known that I, HUBERT J. ERKENSWICK, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Knockdown Fancy Box, of which the following is a specification.

My invention relates to that class of boxes which are adapted to be partially taken to pieces whereby the several parts may be made to occupy a very small space when packed for shipment or storage; and my object is to provide a construction which is particularly adapted to fancy boxes which are made with a series of inserted panels of glass, wood or other similar materials which form the greater part of the several sides thereof, as is hereinafter described and is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a box in which is embodied my improvement. Fig. 2 is a perspective view of the principal frames of the box in the knockdown position. Fig. 3 is a vertical cross section through Fig. 2, on broken line 1—2. Fig. 4 is a view, on an enlarged scale, of a portion of the near corner of Fig. 1 with the lid removed. Fig. 5 is an outside view of a portion of one corner of the top frame, and Fig. 6 an inside view thereof. Fig. 7 is an outside view of a portion of one corner of the base frame, and Fig. 8 an inside view thereof. Fig. 9 is a detached perspective view of the outside of a corner piece, shown in position in Fig. 4; and Fig. 10 is an inside view thereof. Fig. 11 is a section of a corner piece on broken line 5—6, Fig. 9; and Fig. 12 is a cross section on broken line 7—8, Fig. 10. Fig. 13 is a vertical section of one corner of the box on broken line 3—4, Fig. 4, with the connecting bolt and a portion of the frame in elevation.

Similar letters indicate like parts throughout the several views.

The top frame A of the body of the box comprises four sides, which are U shaped in cross section, and are joined at the corners by an outwardly extended rounded portion B, which is L shaped in cross section, the top of the frame being strengthened at the corners by being wider at the portion indicated by letter C, Figs. 5 and 6, in which portion,

at each corner is a conical hole C' to receive the head of a screw bolt D.

The lower frame E is L shaped in cross section throughout, and at each of the corners thereof is a rounded outwardly projecting portion, E', Figs. 7 and 8, which and the rounded outwardly projecting portion B of the upper frame A are adapted to receive the lower and upper ends of the corner pieces F, there being a hole G' through the lower frame at each corner through each of which passes a screw bolt D into engagement with the flange I' of one of the feet I, Fig. 13.

Each of the feet I has an outwardly and upwardly projecting portion J, at each side, which contacts the outside of the bottom frame and serves to hold the feet from turning out of proper position after bolt D has been screwed up.

The corner pieces comprise three elements which are soldered together to form one member which consists of a concavo convex front piece F, to which is secured on the inside concave face, and longitudinally therewith, a tube G to which is secured a plate H, the tube and plate both being of the same length, but shorter at the lower end than the length of the front piece F, so that the lower end of piece F rests upon the top of the inside portion of the bottom frame E, while the lower ends of tube G and plate H rest upon the panel piece R which forms the bottom of the box, Figs. 11 and 13.

The top or lid of the box must have some depth and may be made with beveled sides, as shown, or rectangular in all its dimensions, and be movably attached to the top of frame A by means of hinges A', Fig. 2, or in any other convenient manner.

In the construction of the body of the box the panel pieces K, L, &c., which form the sides thereof are held in position at the top by being inserted into the U-shaped groove M, formed by the shape of the top frame A, Figs. 4 and 6, and the ends of these panels are secured at the corners of the box by being inserted in the space N between the outside and inside parts F and H of the corner pieces, the inside part H thereof serving as a fillet for the inside corners of the box. The bolt D, Fig. 13, at each corner of the box, serves not

only to hold the box together but also as a fastening for the feet I, the bolts passing down through the tubes G of the corner pieces.

By removing all the corner bolts D the feet 5 may first be detached, and then the top frame A together with the attached lid may be lifted off, and then the corner pieces and side and end panels K, L, &c., be removed, leaving the bottom frame E with the bottom panel piece 10 R, after which, the top frame and the lid may be turned upside down and the bottom frame with the bottom panel R therein be placed to form the hollow pile shown in Figs. 2 and 3, which is capable of containing the side and 15 end panel pieces, together with the corner pieces, bolts and the feet which may be formed into a package ready for storage or shipment, and which may be assembled in a few minutes to form a strong box similar to 20 that shown in Fig. 1.

When the parts of the box are assembled the lower edges of the side and end panel pieces rest upon the top of the bottom panel piece R.

25 It will be understood that the top and side panel pieces shown are drawn to represent some polished translucent material, and the bottom panel in Fig. 2 as of some transparent substance so that the interior of the lid may 30 be shown, but any other material may be used, such as wood, &c., in the manufacture of fancy boxes.

I claim as my invention—

35 1. In a knockdown fancy box the combination of a top frame A comprising rails having a U shaped cross section, and with rounded outwardly projecting corners of an L shaped cross section, substantially as described, with 40 a bottom frame having rails and outwardly projecting rounded corners throughout of an L shaped cross section, said frames connected by vertical corner pieces, and bolts there-through, adapted to hold the ends of panels comprising the sides and ends of the box in

combination with the said top and bottom 45 frames, as stated.

2. In a knockdown fancy box having a top frame A and a bottom frame B connected by detachable vertical corner pieces and bolts substantially as described, of a lid whose in- 50 side is provided with a cavity forming a portion of the inside space of the box in the assembled and closed position, said lid hinged to the top frame and adapted in combination therewith and with the detached bottom frame 55 to contain the disassembled other parts of the box substantially as described.

3. In a knockdown fancy box the vertical corner pieces thereof each comprising a concavo convex outer main portion F of a length 60 equal to the distance between the inside faces of the top and bottom frames which they contact, in combination with an attached shorter tubular portion G to which is secured a flat piece H which forms a fillet for the inside cor- 65 ners of the box, and in combination with the outer concavo-convex portion F and tubular portion G, forms grooves for the reception of the ends of the side and end panel pieces, as stated. 70

4. The combination in a knockdown fancy box of the frames A and E, detachable corner pieces F and bolts D passing through said pieces, the heads of the bolts engaging the top frame and the screw threaded lower end 75 thereof in engagement with the flanges of the feet I, the said flanges having outward and upward projections J which contact adjacent sides of the frame whereby the feet are held in proper position as stated. 80

In testimony that I claim the foregoing I have hereunto set my hand, this 23d day of August, 1894, in the presence of witnesses.

HUBERT J. ERKENSWICK.

Witnesses:

OSCAR SNELL,
JOHN C. LEEDY.