

April 30, 1929.

E. C. PIFER

1,711,030

DISPLAY RECEPTACLE

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2 Sheets-Sheet 1

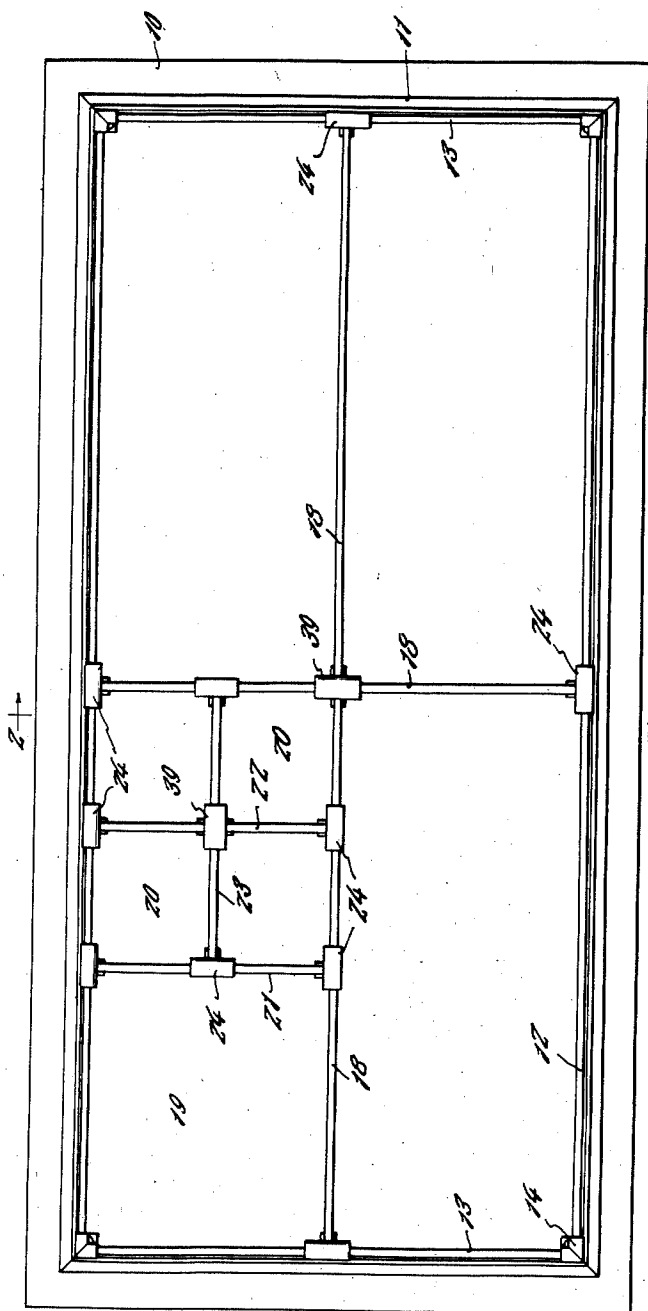


Fig. 1.

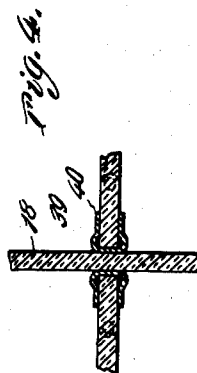


Fig. 4.

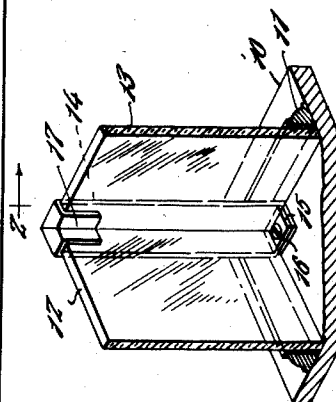


Fig. 5.

E. C. Pifer

INVENTOR

BY Victor J. Evans

ATTORNEY

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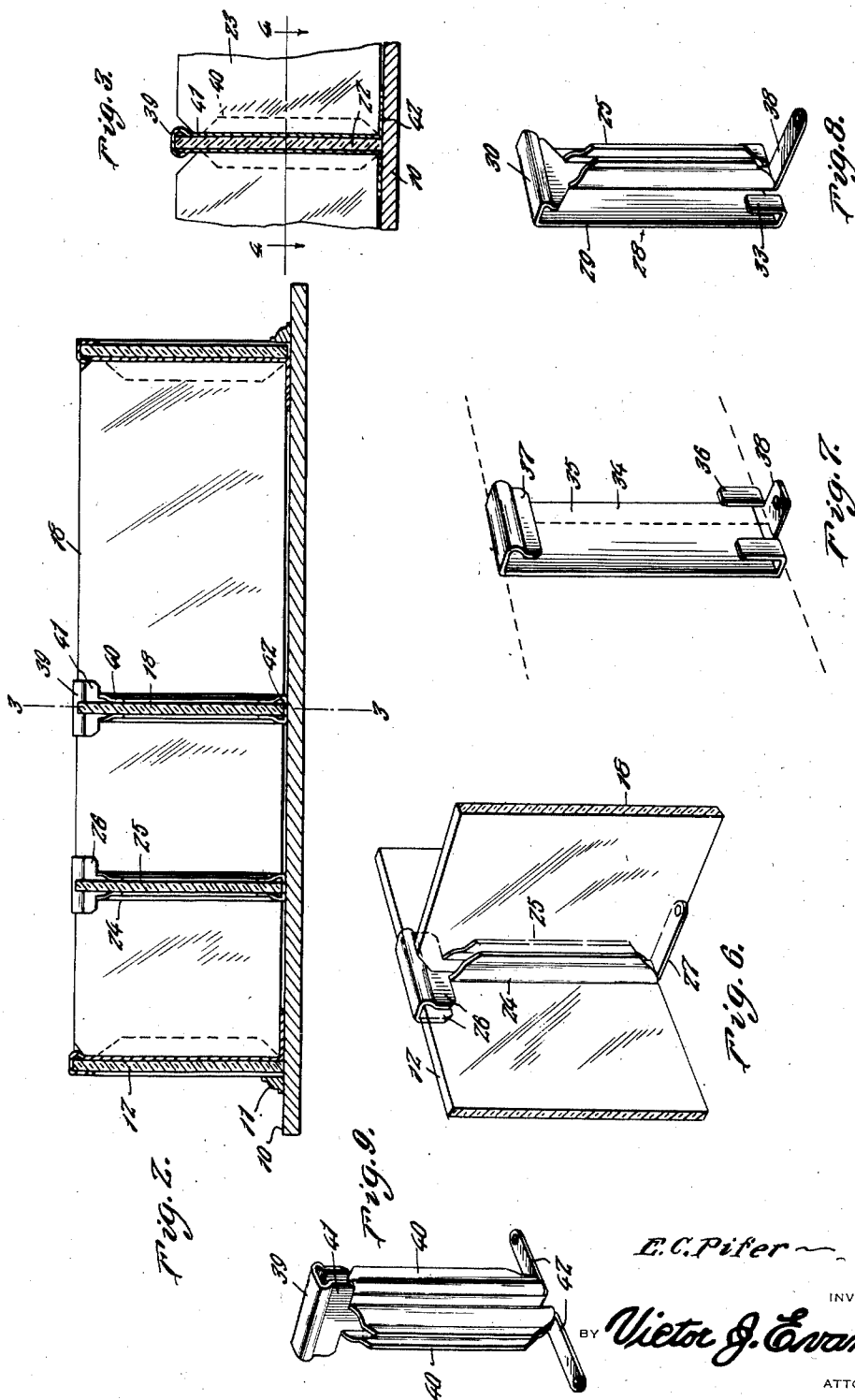
E. C. PIFER

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2 Sheets-Sheet 2



E. C. Pifer

INVENTOR

BY Victor J. Evans

ATTORNEY

UNITED STATES PATENT OFFICE.

ERNEST CLYDE PIFER, OF HUNTINGTON, WEST VIRGINIA.

DISPLAY RECEPTACLE.

Application filed February 13, 1928. Serial No. 254,125.

This invention relates to containers especially adapted for use in displaying merchandise and other articles, an object being to provide a display container or receptacle which may be constructed in various sizes, and temporarily or permanently divided into separate compartments of equal or different sizes for the attractive display of goods.

Another object of the invention is the provision of a display device or container which may be constructed of a number of separate units, so that the user may quickly and easily set up a container having a number of separate compartments of a shape and size to suit his individual needs.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a plan view of a display container constructed in accordance with the invention.

Figure 2 is an enlarged sectional view on the line 2—2 of Figure 1.

Figure 3 is a section on the line 3—3 of Figure 2.

Figure 4 is a horizontal sectional view on the line 4—4 of Figure 3.

Figure 5 is a fragmentary perspective view illustrating one corner of the container.

Figure 6 is a like view showing the manner of connecting a partition strip with one of the side or end panels.

Figure 7 is a perspective view of a rail connector clamp showing the manner of connecting separate panel sections, the sections being illustrated by dotted lines.

Figure 8 is a detail perspective view of one of the T clamps.

Figure 9 is a similar view of one of the cross clamps.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the reference character 10 indicates the base of the container which is constructed of any suitable material and which may be provided with a molding 11 spaced inward from the edges and arranged in the form of the outline of the container. The walls of the container are formed of side panels 12 and end panels 13 and these walls may be made of glass or other desired

material so as to increase the attractiveness of the display. The panels 12 and 13 may be of any desired height and are connected by means of corner clamps 14, as shown in Figure 5 of the drawings. These corner clamps are transversely L shaped and their lower ends are provided with overlapping apertured lugs 15 for the passage of fastening devices 16, by means of which the clamps 14 are secured to the base 10. The upper ends of the clamps 14 are provided with downwardly extending resilient gripping fingers 17 which are spaced from the body of the clamp so as to provide for the reception of the ends of the panels 12 and 13 and securely hold these panels in position.

The receptacle may be divided into a number of compartments of different dimensions, the receptacle shown being divided by partition strips 18 into four compartments, and one of these compartments being subdivided into a compartment 19 and compartments 20 by means of partition strips 21, 22 and 23.

These partition strips are removably held in place, the partition strips 18 being connected with the side panels 12 and the end panels 13 by means of clamps 24, illustrated in Figure 6 of the drawings. The clamps 24 include vertically disposed portions formed of spaced resilient flanges 25 which frictionally engage upon opposite sides of the partition strips 18 while the ends of these strips act to force the vertically disposed portion of the clamps 24 against the panels. The clamps 24 further include horizontally disposed portions formed of spaced resilient flanges or walls 26 and these flanges define inverted substantially U-shaped members which extend longitudinally of and frictionally engage the upper edges of the side panels 12 or 13. By this means the partitions 18 may be arranged at any point along the side and end panels and will be securely held in place in a manner to permit of their ready removal or adjustment. However, if desired the partitions may be permanently positioned by suitable fastening devices which extend downwardly through apertured feet 27 extending from the lower ends of the clamps. The corners of the partitions 18 may be beveled so as to engage beneath the overhanging portions of the flanges 26.

If desired, the side and end panels may be of a continuous strip, or they may be formed in two or more sections. In the latter event,

a clamp 28 may be utilized. This clamp is illustrated in Figure 8 of the drawings and comprises a base 29 which is adapted to engage over the outer face of the panel and is
 5 connected to the flanges 25 which receive the partition strips, by means of a horizontal portion 30, so that adjacent ends of the panel sections may be received between the base 29 and the inner portions of the flanges 25. Ex-
 10 tending upwardly from the base 29 and in spaced relation thereto are resilient fingers 33 which engage the lower edges of the panel sections.

Where it is desired to connect adjacent ends
 15 of panel sections without also connecting a partition strip, a clamp 34 is utilized. One of these clamps is illustrated in Figure 7 of the drawings and comprises a flat base 35 and lower spring fingers 36 and an upper spring
 20 clip 37. Both the clamp 28 and the clamp 34 are provided with apertured feet 38 so as to permit of permanent attachment to the base.

In order to connect the intersecting portions of the partitions 18 there is provided a
 25 clamp 39. This clamp is shown in Figure 9 of the drawings and includes spaced partition engaging flanges 40 which are reversely arranged so as to receive adjacent ends of either longitudinally or transversely arranged partition strip 18. A pair of opposed partition
 30 engaging clamps is thus provided whose upper ends are connected by a rightangularly arranged clamp 41 which engages the upper edge of the rightangled partion. Apertured
 35 feet 42 may be provided for securing the clamp in place.

In subdividing the compartment 19, clamps 24 and 39 may be used.

It will be apparent from the foregoing description and accompanying drawings that
 40 through the use of the invention a display container may be conveniently divided into a desired number of temporary or permanent compartments and that the device may be
 45 supplied to the user in the form of a number of separate units which may be quickly and conveniently assembled and securely held in place.

The invention is susceptible of various changes in its form, proportions and minor details of construction and the right is herein reserved to make such changes as properly
 50 fall within the scope of the appended claims.

Having described the invention what is
 55 claimed is:—

1. A fastener for knock down bins, comprising an elongated body member substantially equal in length to the height of the bin and of sufficient width to span the space
 60 between two adjacent edges of the walls of said bin, the said member having an inwardly and downwardly projecting resilient portion on one end thereof for engaging the top edges and inner faces of said walls, and a foot on
 65 the opposite end of said fastener.

2. An integral fastener for knock down bins comprising two spaced parallel walls, at least one of which is substantially equal in length to the height of the bin, the longer of
 70 said walls having parallel flanges projecting outwardly from the edges thereof, the said flanges terminating short of the top of said fastener.

3. An integral resilient fastener for knock down bins comprising two spaced parallel
 75 walls, at least one of which is substantially equal in length to the height of the bin, the said walls having parallel flanges projecting outwardly in opposite directions from the edges thereof, the said flanges terminating
 80 short of the top of said fastener.

4. An integral resilient fastener for knock down bins comprising two spaced parallel
 85 walls, at least one of which is substantially equal in length to the height of the bin, the said walls having parallel flanges projecting outwardly in opposite directions from the edges thereof, the said flanges terminating
 90 short of the top of said fastener, and an outwardly projecting foot on the free end of each of said walls.

5. An article of manufacture for use in connection with a counter top to provide an open
 95 top receptacle including angularly arranged panels, an integral clamp removably engaged with the adjacent ends of said panels, said clamp comprising a vertically arranged
 100 transversely angular portion to receive the ends of the panels, a resilient tongue extending inwardly and downwardly from the upper end of the angular portion of the panels, said tongue being spaced from and parallel
 105 with said angular portion, and lugs at the lower end of the angular portion.

6. An article of manufacture for use in connection with a counter top to provide an open
 105 top receptacle including rightangularly arranged side and end panels, corner clamps removably engaged with the adjacent ends of said panels, each of said clamps comprising a
 110 vertically arranged transversely angular portion to receive the ends of the panels, a resilient tongue extending inwardly and downwardly from the upper end of the angular portion over the rails with its extremity
 115 spaced from and parallel with said angular portion, and overlapping apertured lugs at the lower end of the angular portion.

7. An article of manufacture for use in connection with a counter top to provide an open
 120 top receptacle including panels, splice clamps for connecting the panels, each of said clamps comprising a plate adapted to overlap the meeting ends of the panels, and resilient elements at each end of the plate, at least one of
 125 said elements being adapted to engage the edges and inner sides of the panels.

8. An article of manufacture for use in connection with a counter top to provide an
 130 open top receptacle including marginal pan-

els, rightangularly arranged intersecting partitions dividing the receptacle into separate compartments, and clamps for connecting the partitions, said clamps each comprising oppositely arranged transversely channeled members adapted to receive the ends of aligned partitions, and resilient means connecting said members to space the members apart and to receive the intersecting partition.

9. An article of manufacture for use in connection with a counter top to provide an open top receptacle including marginal walls, rightangularly arranged intersecting partitions dividing the receptacle into separate compartments, and clamps for connecting the partitions, said clamps each comprising oppositely arranged transversely channeled members adapted to receive the ends of aligned partitions, resilient means connecting said

members to space the members apart and to receive the intersecting partitions, and means to secure the channeled members to the counter top.

10. An article of manufacture for use in connection with a counter top to provide an open top receptacle including marginal panels of sectional formation, and splice clamps for connecting the panel sections, each of said clamps comprising a plate adapted to overlap the meeting ends of the panel sections, a resilient tongue extending from the top of the plate over the upper edge of the panel sections and downwardly to engage the inner face of said sections, and means on the lower end of the plate to engage the lower edges of said panel sections.

In testimony whereof I affix my signature.

ERNEST CLYDE PIFER.