

No. 714,544.

Patented Nov. 25, 1902.

H. WERTZ.
DISPLAY BOX.

(Application filed Mar. 13, 1902.)

(No Model.)

2 Sheets—Sheet 1.

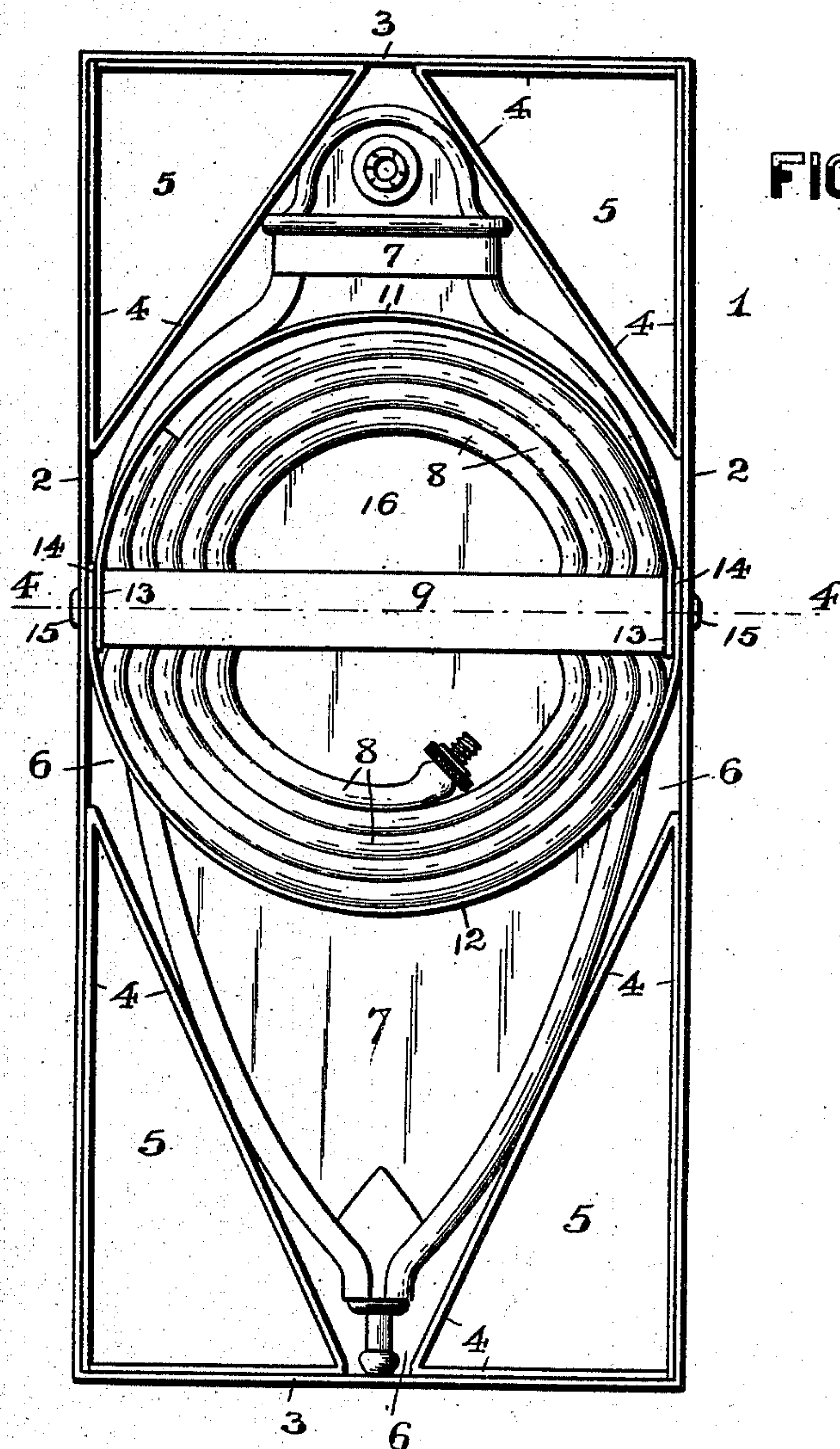


FIG. 1

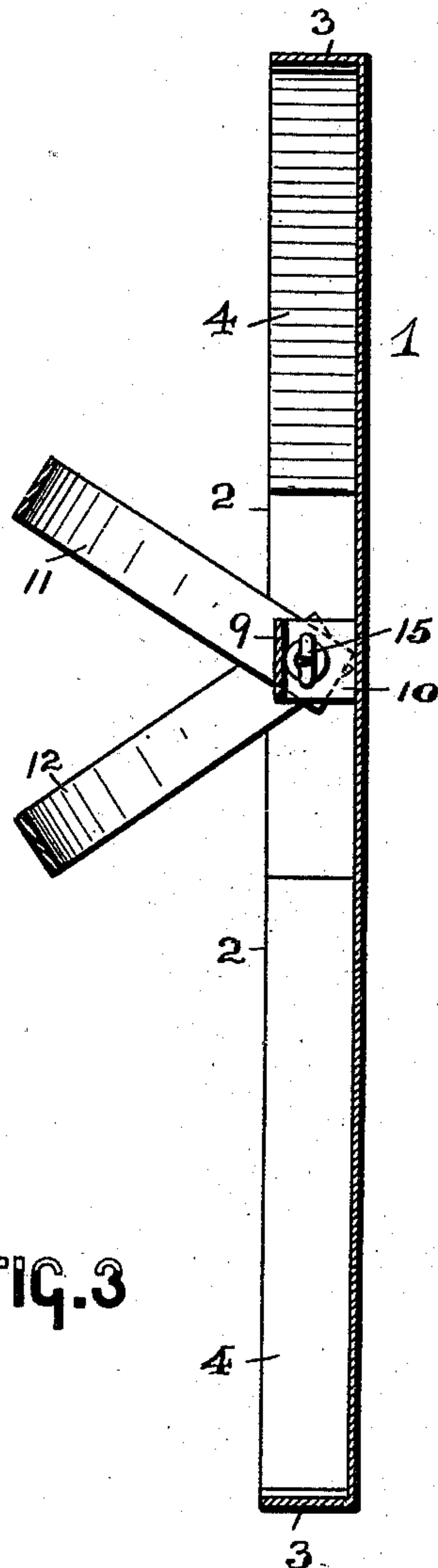


FIG. 3

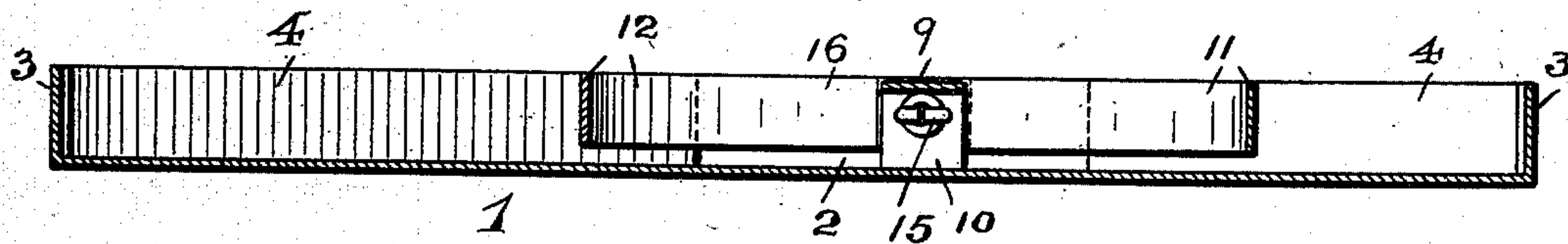


FIG. 2

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FIG. 4

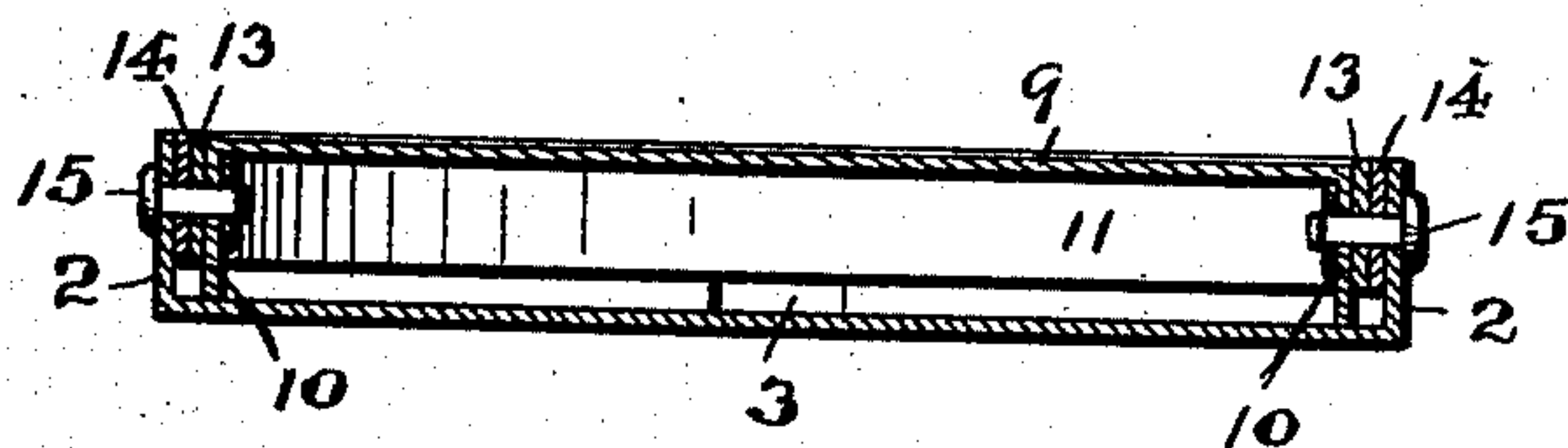
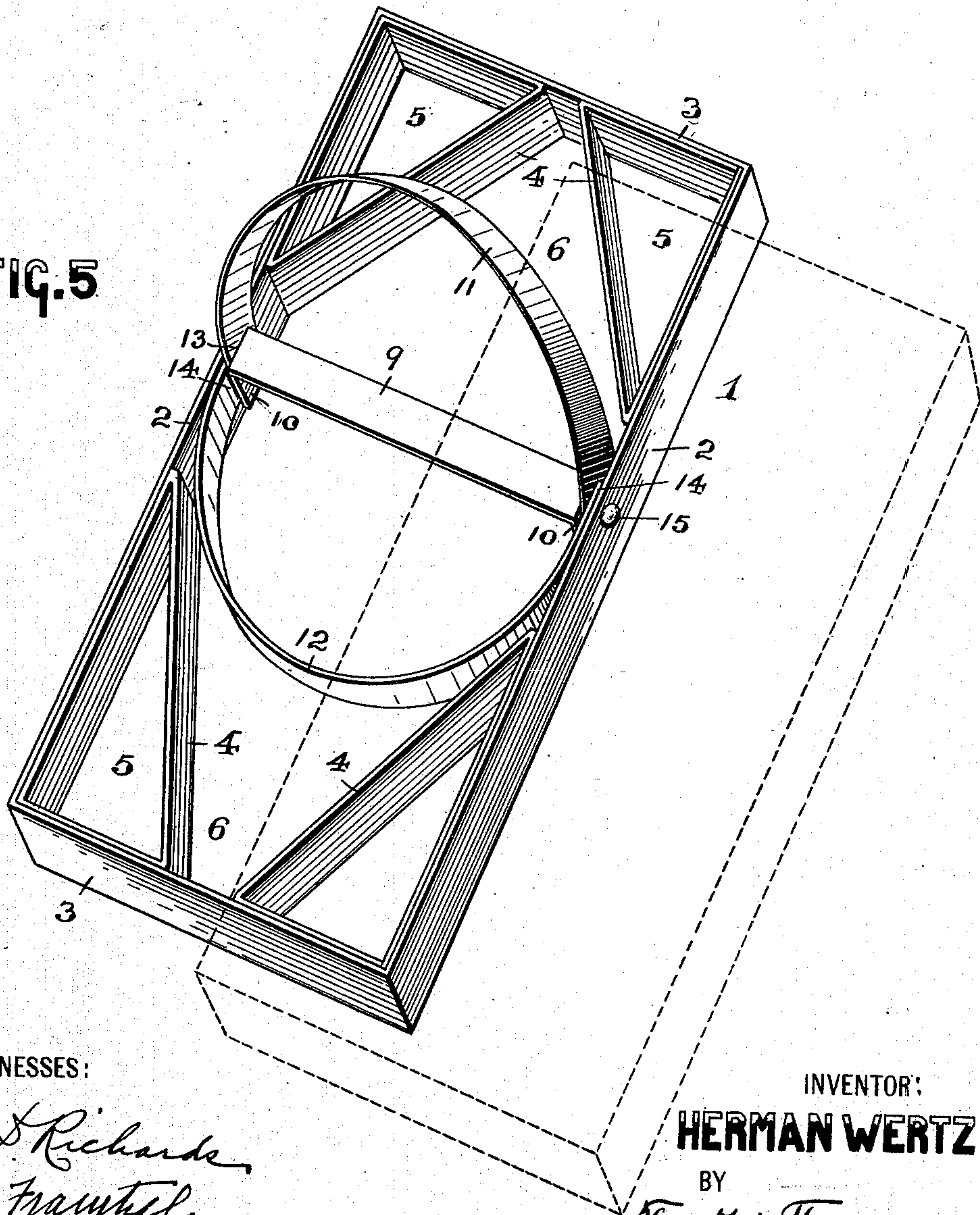


FIG. 5



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UNITED STATES PATENT OFFICE.

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DISPLAY-BOX.

SPECIFICATION forming part of Letters Patent-No. 714,544, dated November 25, 1902.

Application filed March 13, 1902. Serial No. 98,018. (No model.)

To all whom it may concern:

Be it known that I, HERMAN WERTZ, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Display-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

The present invention has reference to improvements in boxes or packages for the storing and displaying of manufactured articles; and the invention has reference more particularly to a novel construction of box for the arrangement therein of a water-bottle and its long and flexible piece of tubing, the various parts of the box being arranged in such a manner that the article of manufacture can be easily arranged and held in its proper position within the body of the box against displacement when displaying the goods in the box to be placed at an angle in a window or while the salesman is showing the goods to a prospective purchaser.

The present invention therefore has for its principal objects to provide a novel construction of display-box in which the article is arranged and sold directly with the box to the purchaser; and, furthermore, this invention has for its further object to provide a neat, cheap, and simply-constructed box for the purposes above stated and provided with compartments in which the usual forms of nozzles to be used with the flexible tubing may be placed.

The invention therefore consists in the novel construction of display-box hereinafter fully set forth; and, furthermore, the invention consists in the several novel arrangements and combinations of parts, all of which will be described in detail in the following specification and then finally embodied in the clauses of the claim.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the display-box embodying the principles of the present invention, illustrating in connection therewith the manner of arranging the water-bottle and its flexible tubing in their properly-retained positions in the box. Fig. 2 is a longitudinal central vertical section of the box, representing a pair of pivotally-arranged retaining members, which normally hold or retain the flexible tubing in its proper position in the box against accidental displacement in their lowered or retaining positions within the body of the box; and Fig. 3 is a similar section of the box, but representing the said pivotally-arranged retaining members in their raised position to permit of the removal or the placing of the article of manufacture in the body of the box. Fig. 4 is a vertical cross-section of the box, taken on line 4 4 in said Fig. 1; and Fig. 5 is a perspective view of the box with the cover thereof represented in dotted outline.

Similar numerals of reference are employed in all of the said above-described views to indicate corresponding parts.

In the said drawings the reference character 1 indicates the body of the box, preferably made of cardboard, being formed with the two sides 2 and the two ends 3. The said body of the box may be of any suitable configuration in outline and in its several corners may be provided with an arrangement of triangularly-constructed members or strips 4, forming suitable compartments for the reception of the nozzles or other parts of the article which is to be placed in the box. The said members or strips 4, owing to their arrangement across the angles in the body of the box, also provide a large compartment 6, in which in the present case a rubber water-bottle, such as is used with fountain-syringes, is to be placed. In Fig. 1 of the drawings I have illustrated such a bottle, the same being indicated by the reference character 7, and 8 indicates the usual coil of flexible tubing which is sold with the same, and is therefore placed in the body of the box. It has been found in practice that when a salesman displays these goods to a prospective customer or when the box and the article of manufacture therein are displayed in a store-

window the said roll of tubing becomes
 uncoiled, and the bottle also, being made of
 a soft and flexible rubber, will become ar-
 ranged in an unsightly mass in the lower
 5 portion of the box, and thereby presenting
 an unsatisfactory display of the goods. To
 avoid these objectionable features, I have
 provided the box with a retaining device,
 which permits of the proper placing of the
 10 goods in the box as well as the removal of
 the same from said box and at the same time
 retains the bottle and the tubing in a neat
 position in the box, whereby the salesman
 can more easily show off the article of manu-
 15 facture to a greater advantage, or the box
 can be placed at an angle in a show-case or
 show-window without the least danger of the
 rubber bottle and its tubing becoming located
 in an unsightly and ungainly heap in the
 20 bottom of the box. In the present construc-
 tion the said retaining device consists, essen-
 tially, of a cross-piece 9, made at its two ends
 with the downwardly-extending end pieces
 10, substantially as illustrated in Figs. 4 and 5
 25 of the drawings. Between the outer surfaces
 of the said end pieces 10 and the inner sur-
 faces of the sides 2 of the body of the box I
 have arranged the respective end portions 13
 and 14 of a pair of curved or suitably-bent
 30 members or strips 11 and 12, respectively, the
 said end portions 10, 13, and 14 all being held
 in their respective positions by means of suit-
 able pins or rivets 15, upon which the said
 end portions 13 and 14 of the respective mem-
 35 bers 11 and 12 are also pivotally arranged, so
 that the said members 11 and 12 can be made
 to lie directly within the body of the box,
 one member on either side of the cross piece
 or member 9, as shown in Figs. 1 and 2 of the
 40 drawings, or that one or both the said mem-
 bers 11 and 12 can be moved in the positions
 represented in Figs. 3 and 5 of the drawings.
 To place the goods in the body of the box,
 the said pivotal members 11 and 12 are made
 45 to assume the positions indicated in Fig. 3,
 which enables a person to place the flexible
 bottle 7 in a flat position in the body of the
 box, the bottle being inserted beneath the
 said cross piece or member 9, as will be clearly
 50 understood. The two members 11 and 12 are
 then turned from their raised positions (indi-
 cated in said Fig. 3 of the drawings) to their
 lowered positions on either side of the said
 member 9 to lie directly within the compart-
 55 ment 6 of the box, as clearly indicated in
 Figs. 1, 2, and 4 of the drawings. The two
 members or strips 11 and 12 thereby provide
 an auxiliary or additional compartment 16,
 (see Fig. 1,) in which the flexible rubber tub-
 60 ing 8 is arranged in a coil, as shown, and is
 held in such position against accidental dis-
 placement by the circular edges of the said
 members 11 and 12, as will be clearly evident
 from an inspection of said Fig. 1 of the draw-
 65 ings. Owing to these various arrangements
 of the parts of the retaining device, the flexi-

ble bottle 7 as well as the coil of tubing 8
 will be neatly arranged and held in position
 in the body of the box and for the proper ex-
 hibition of the goods, as has been hereinabove 70
 stated.

I am fully aware that some changes may
 be made in the various arrangements and
 combinations of the parts hereinabove de-
 scribed, and illustrated in the accompanying 75
 drawings, without departing from the scope
 of my present invention. Hence I do not
 wish to be understood as limiting my inven-
 tion to the exact arrangements and combina-
 tions of the parts as described and as illus- 80
 trated in the said drawings, nor do I confine
 myself to the exact details of the construc-
 tion of the said parts.

Having thus described my invention, what
 I claim is— 85

1. In a display-box, the combination, with
 the body of a box, adapted to receive an ar-
 ticle of manufacture, and the longitudinal
 sides 2 of the box, of means in said box con-
 sisting of a pair of semicircular members, said 90
 members extending in opposite directions
 and forming a circular compartment for the
 reception of the article of manufacture there-
 in, and said semicircular members being piv-
 otally attached at their opposite end portions 95
 to the inner surfaces of the said sides 2 of the
 box, substantially as and for the purposes
 set forth.

2. In a display-box, the combination, with
 the body of a box, adapted to receive an ar- 100
 ticle of manufacture, of means in said box
 adapted to be brought in contact with the said
 article of manufacture, to retain the same in
 position against accidental displacement, com-
 prising, a fixed cross piece or member 9 con- 105
 nected with the sides of the box, so arranged
 that the article of manufacture is placed be-
 neath said member, and a pair of other mem-
 bers pivotally connected with the sides of the
 box, substantially as and for the purposes set 110
 forth.

3. In a display-box, the combination, with
 the body of a box, adapted to receive an ar-
 ticle of manufacture, of a pivotal pin in each
 side of the box, and a pair of semicircular re- 115
 taining members pivotally connected with the
 said pins, substantially as and for the pur-
 poses set forth.

4. In a display-box, the combination, with
 the body of a box, adapted to receive an ar- 120
 ticle of manufacture, of a pivotal pin in each
 side of the box, a pair of semicircular retain-
 ing members pivotally connected with the said
 pins, and a cross piece or member 9 arranged
 between the said semicircular retaining mem- 125
 bers, said piece or member 9 having its end
 portions also pivotally connected with said
 pins, substantially as and for the purposes set
 forth.

5. In a display-box, the combination, with 130
 the body of a box, adapted to receive an ar-
 ticle of manufacture, of a retaining piece or

member 9 secured in said box, beneath which
the said article of manufacture is placed, and
a semicircular retaining member located on
each side of said member 9, adapted to be
5 raised beyond the body of the box, substan-
tially as and for the purposes set forth.

In testimony that I claim the invention set

forth above I have hereunto set my hand this
11th day of March, 1902.

HERMAN WERTZ.

Witnesses:

FREDK. C. FRAENTZEL,
RAYMOND S. WESTERVELT.