

No. 817,148.

PATENTED APR. 10, 1906.

D. H. ALLEN.
TRAY FOR GLASSES.
APPLICATION FILED JULY 28, 1905.

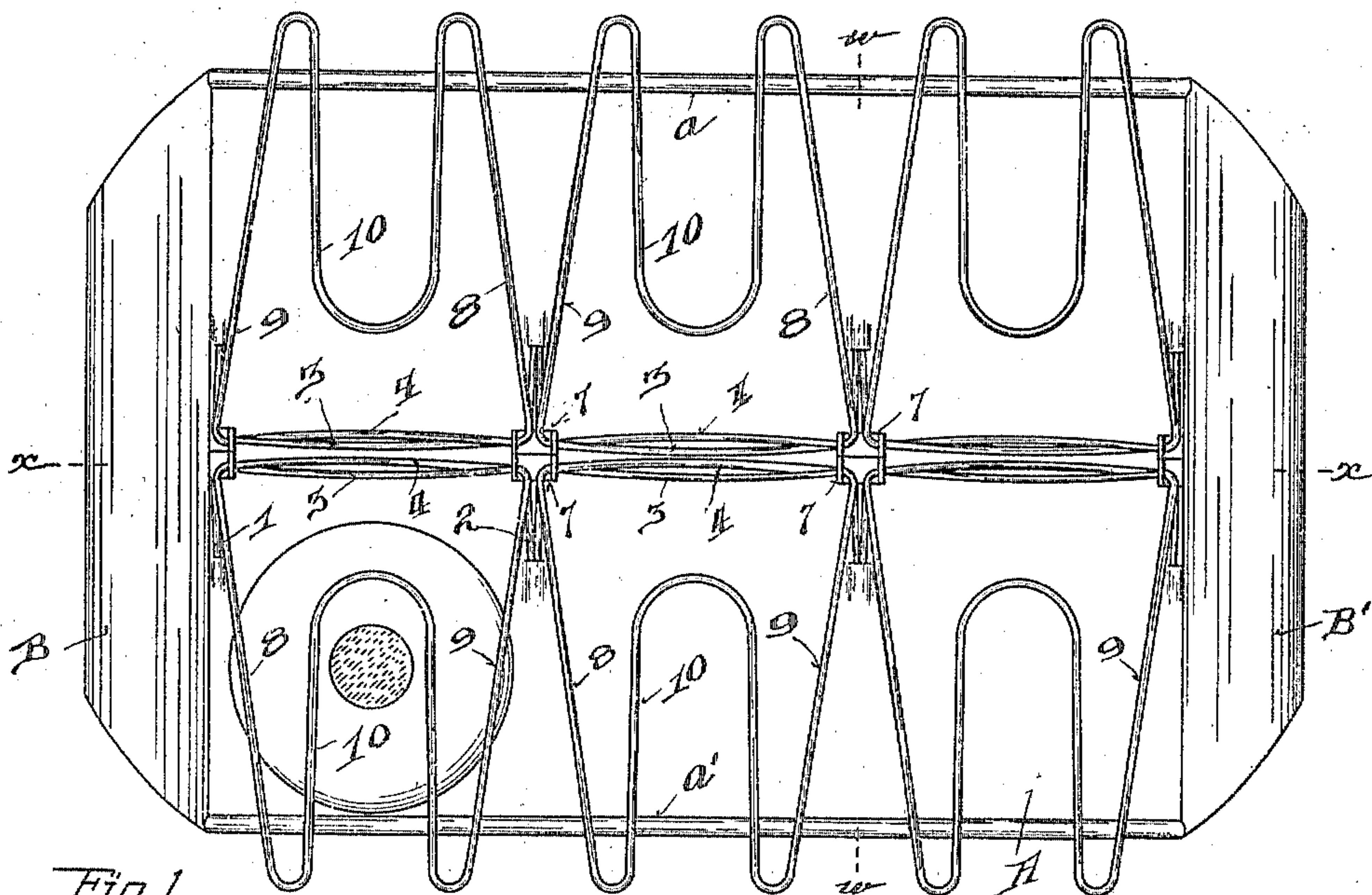


Fig. 1.

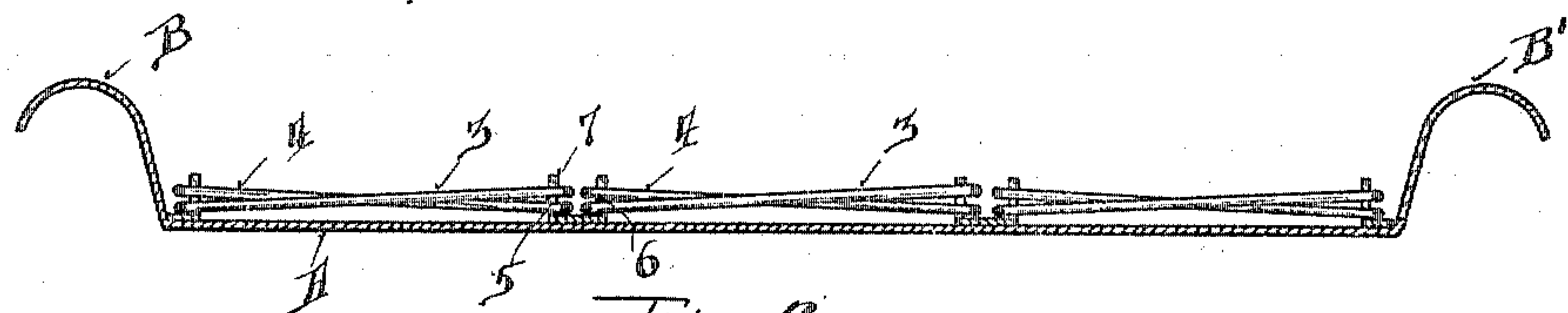


Fig. 2.

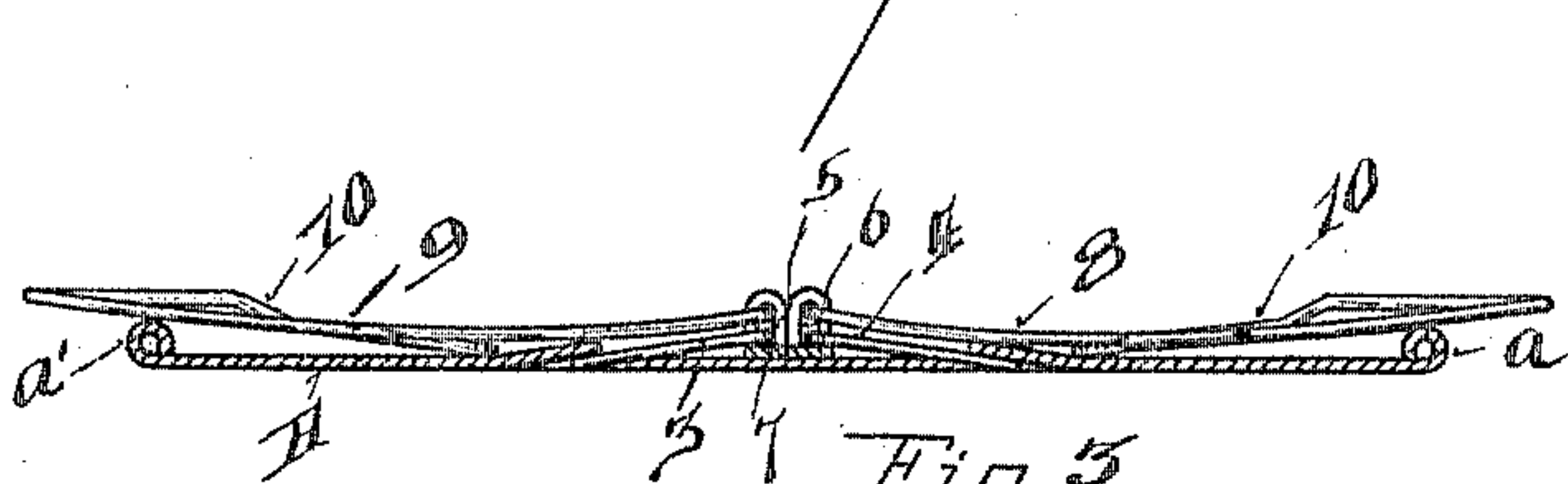


Fig. 3.

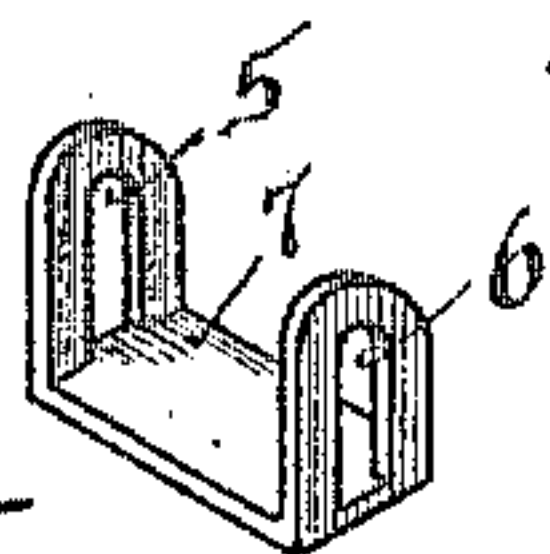


Fig. 5.

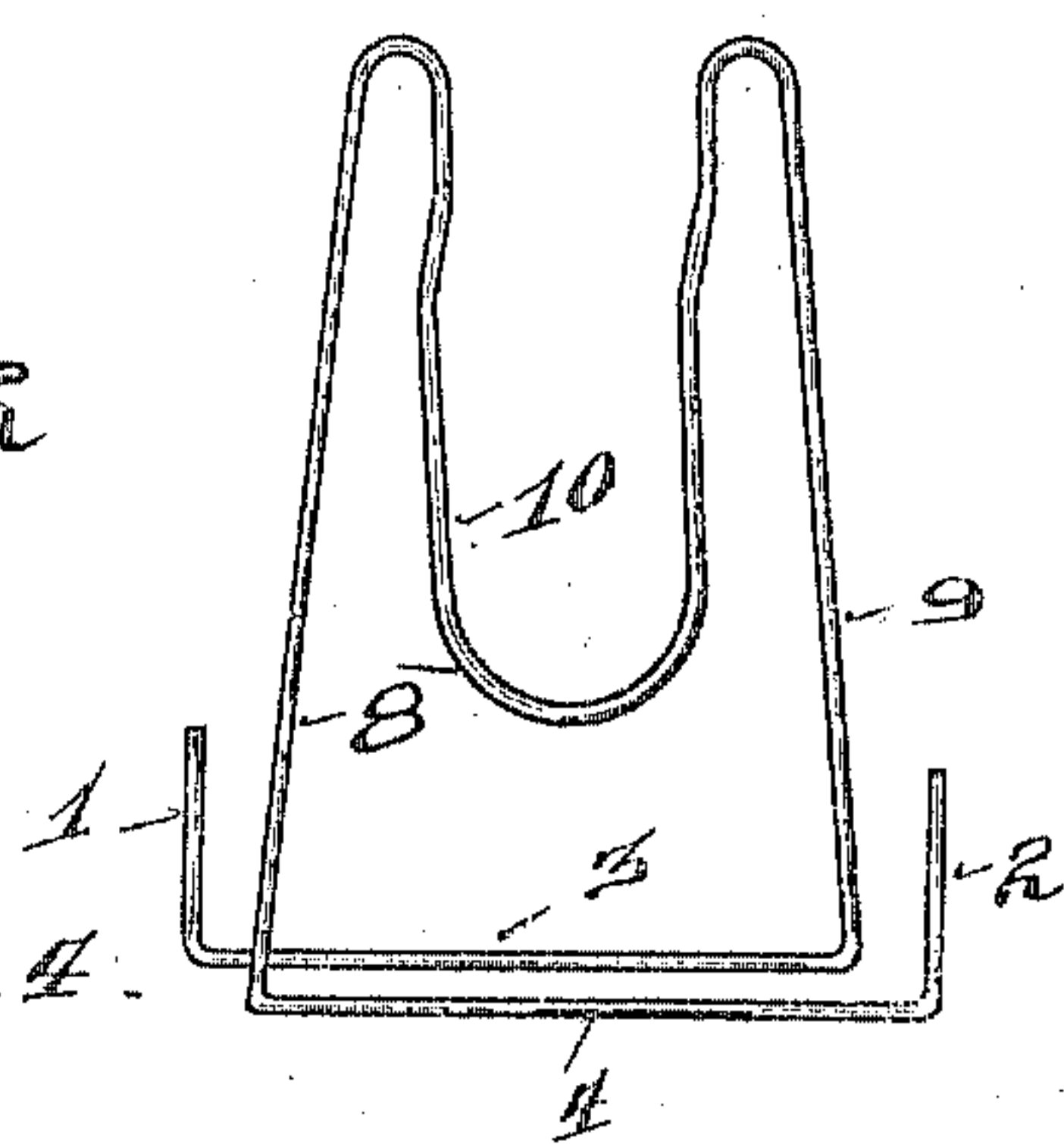


Fig. 4.

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TRAY FOR GLASSES.

No. 817,148.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed July 28, 1905. Serial No. 271,694.

To all whom it may concern:

Be it known that I, DAVID H. ALLEN, a citizen of the United States, residing at Miamisburg, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Trays for Glasses, of which the following is a specification.

My invention relates to a tray for holding glasses and the like, and principally adapted for glasses of the variety which are provided with a stem and base.

The object of my invention is to provide a simple self-contained glass-holding tray which will detachably receive and secure a series of glasses.

Another object of the invention is that the glass-holding members shall be simple and light and project as little as possible from the face of the tray, so that they will not add materially to the weight nor render the device cumbersome and unsightly.

The features of my invention are more fully set forth in the description of the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a top plan view of my tray and glass-holders, showing one, or rather the base, portion of a glass in position. Fig. 2 is a section on line *xx*, Fig. 1. Fig. 3 is a section on line *ww*, Fig. 1. Fig. 4 is a perspective view of one of the holders. Fig. 5 is a perspective view of one of the holder-brackets for mounting the holders upon the tray.

A represents the tray, having the handle portions B B' formed on the ends thereof.

a a' represent a bead formed around the edge of the tray, the function of which will be hereinafter described.

In the preferred form of construction the glass-holders are made of wire tempered sufficiently to enable the same when secured in position to have a downward resilient action for securely holding the glasses in position. These holders are formed as follows: 1 2 represent the ends of the wire adapted to be embedded into the tray for securing the same to the holder. The wire is bent at right angles to the ends 1 2, forming the crossing axle-like extensions 3 4, which are loosely mounted in the slots 5 and 6, formed in the upwardly-extended limbs of the holder-bracket 7, thereby enabling the holder proper to yield upwardly. The wire is then extended forward, forming the limbs 8 9, and then looped inward, forming the yoke 10, within which yoke the stem of the glass is passed. In mounting

the holder upon the tray and to provide the proper resiliency thereto it will be seen from the drawings that the axle-like extensions 3 4 cross each other, thereby enabling the limb portions 8 9 to lie above the ends 1 2, bringing the same into parallel alinement, thus enabling both limbs to bear with equal tension upon the base of the glass. The yoke proper, 10, of the holder is bent slightly downward, thereby providing greater tension upon the base of the glass at the stem. The parts, as combined, form a very strong holding medium. The limb extensions 8 9 are extended a slight distance beyond the beaded edges *a a'* of the tray. This enables the glass to be easily inserted in position by engaging the limb ends 8 9 on the base of the glass, lifting the glass slightly upward over the bead and pushing the same in position upon the tray without requiring the holders to be manipulated by hand. The beaded edges of the tray likewise form a lateral guard against the base of the glass, preventing the same from sliding out when the tray is held in a vertical position, and thus cannot be removed unless the base of the glass is raised over the same.

It will be observed that the holders upon each side of the tray are each composed of a resilient wire, the opposite ends of which are secured to the opposite ends of the tray, and the intermediate portion of which is bent upwardly and outwardly to form the stem-receiving yokes, as previously described. As the beaded edge lies above the tray the outer receiving ends of the yokes press against this beaded edge, and the inner or looped ends of the yoke are bent downward preferably to press against the base of the tray. This form of holder is preferred, although it is not to be regarded as a limitation, except where specifically claimed.

Having described my invention, I claim—

1. In a tray, a base provided with a beaded edge, spring glass-holders secured to the tray and provided with stem-receiving yokes extended outwardly over the said beaded edge, substantially as described.

2. A tray, having a wire resiliently secured thereto and bent to form a series of stem-receiving yokes, having U-limbs which engage over the bases of the glasses and clamp them against the tray, substantially as described.

3. In a tray, a base, provided with a beaded edge, resilient glass-holders secured to the tray and bent upwardly and outwardly to

form stem-receiving yokes overlying the beaded edge of the tray, and adapted to clamp the glasses against the base of the tray, substantially as described.

5 4. In a tray, a base provided with a beaded edge, resilient glass-holders secured to the tray and bent upwardly and outwardly to form stem-receiving yokes, the outer receiving ends of the yokes having a yielding engagement with the beaded edge and the inner
10 loop ends of the yokes being bent downwardly to yieldingly engage the base of the tray, substantially as described.

15 5. A tray, having a series of stem-receiving yokes spring-hinged at their inner ends to the tray, the limbs of said yokes adapted to clamp the bases of the glasses against the tray, substantially as described.

6. In a tray, a base provided with a beaded

edge, a resilient wire the ends of which are 20 secured to the tray, the intermediate portion of the wire being bent to form a series of outwardly-extending stem-receiving yokes, the outer ends of which overlie the said beaded edge, substantially as described.

25 7. A tray, having a series of stem-receiving wire yokes resiliently attached at their inner ends to the tray, their outer, yielding ends being adapted to straddle the stems and clamp the bases of the glasses against the
30 tray, substantially as described.

In testimony whereof I have hereunto set my hand.

DAVID H. ALLEN.

Witnesses:

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LUISE BECK.