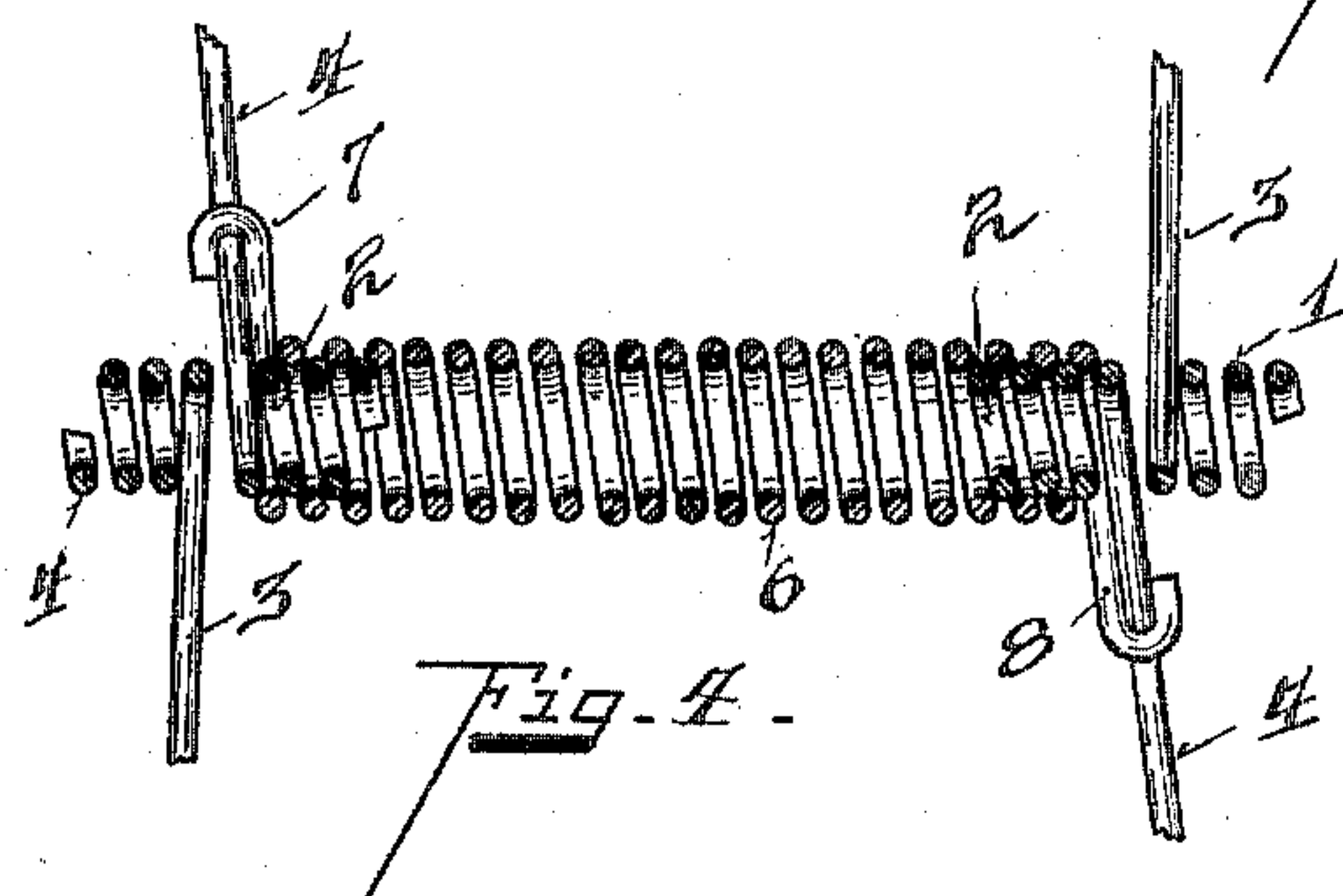
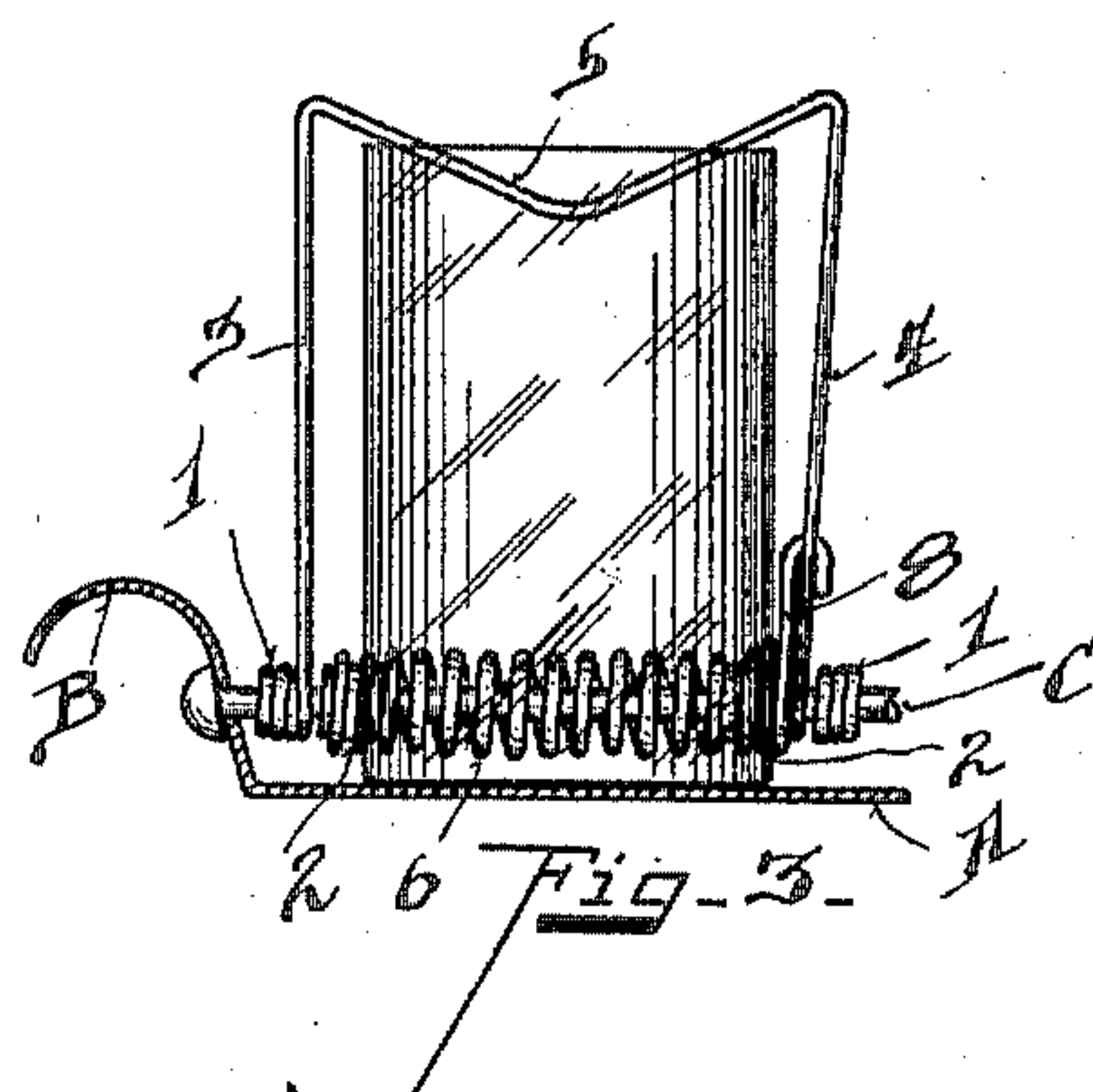
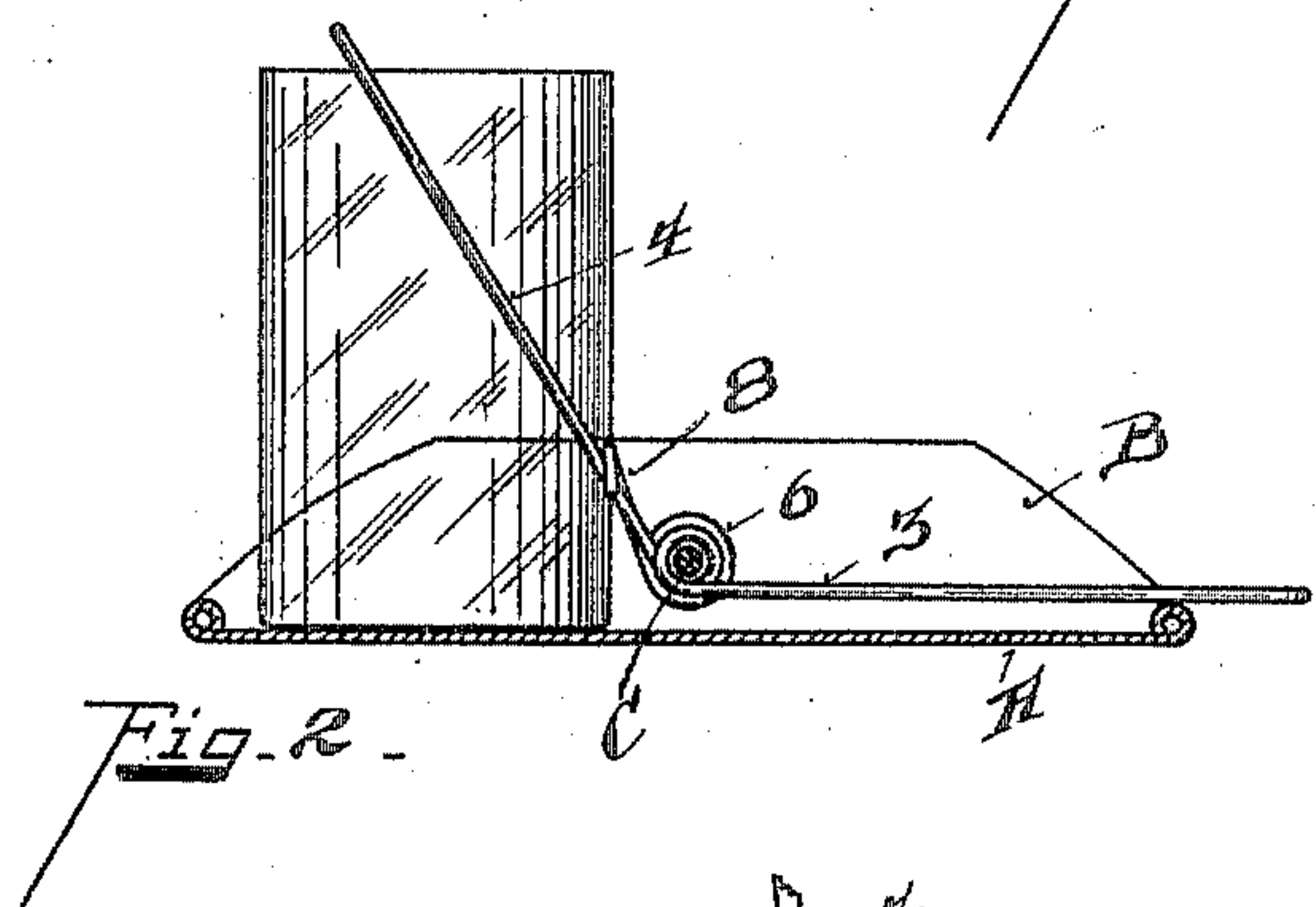
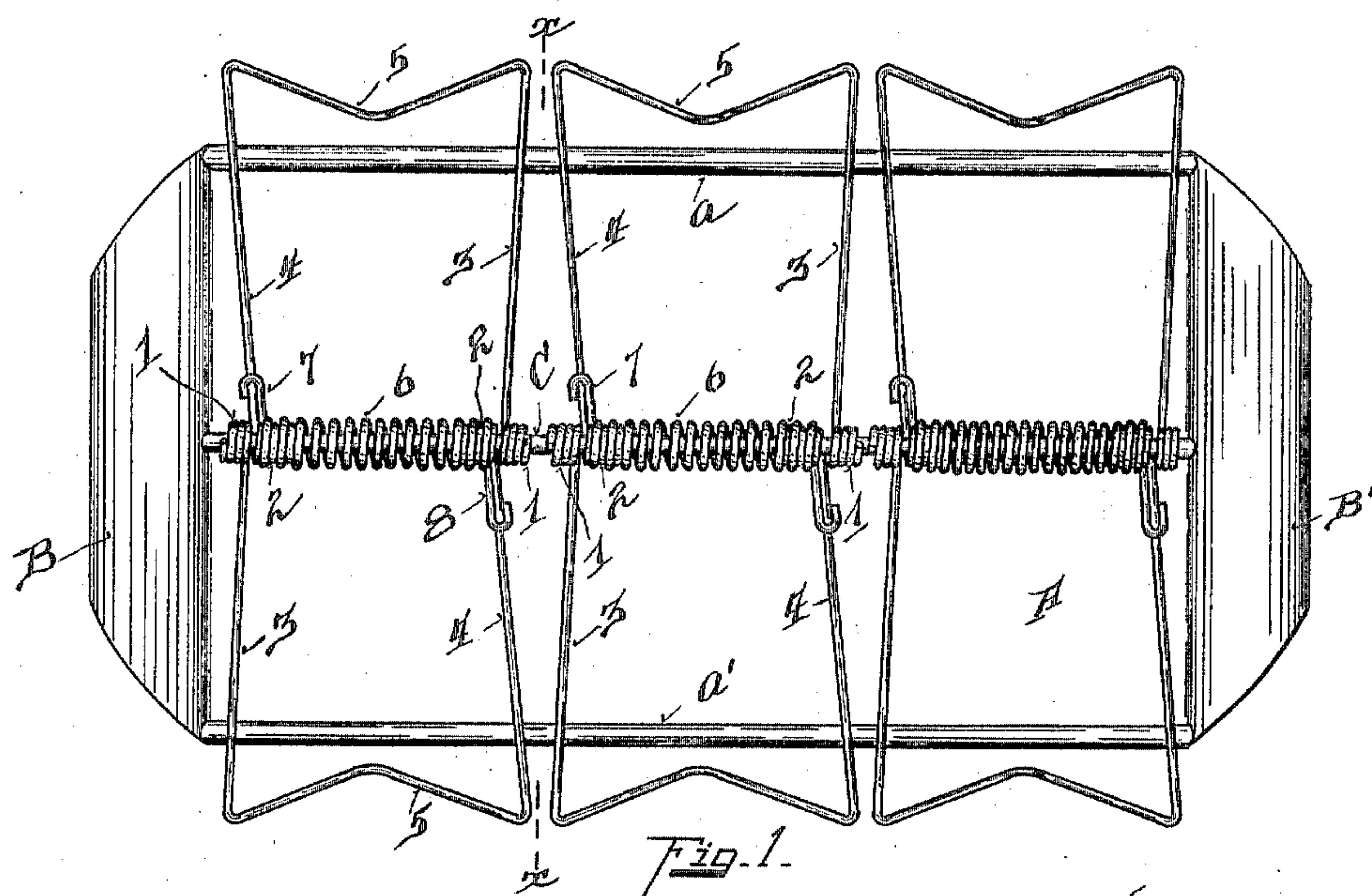


No. 817,149.

PATENTED APR. 10, 1906.

D. H. ALLEN.  
TRAY FOR GLASSES.

APPLICATION FILED JULY 28, 1905.



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# UNITED STATES PATENT OFFICE.

DAVID H. ALLEN, OF MIAMISBURG, OHIO.

## TRAY FOR GLASSES.

No. 817,149.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed July 28, 1905. Serial No. 271,695.

*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 tumbler-holding tray.

The object of my invention is to provide a tray with a series of holders for holding glasses known as "tumblers," which do not have a special base and stem.

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 tumbler-tray, showing a series of holders for holding six tumblers. Fig. 2 is a section on line *xx*, Fig. 1, showing a tumbler in position. Fig. 3 is a front elevation of one of the tumbler-holders and tumbler with the tray in section. Fig. 4 is an enlarged detailed sectional view showing the construction for mounting the holders.

A represents the tray having the handle extensions B B' integral therewith and the beaded edge *a a'*.

C represents a supporting-rod centrally secured to the tray and upon which rod the holders are mounted, which holders are constructed and operated as follows: 1 2 represent the ends of the holders, which ends are coiled on the rod C. 3 4 represent outwardly-projecting limbs of the holder having the inwardly-inclined lip portion 5. 6 represents a coil-spring on rod C, the ends of which are provided with the hooked extensions 7 8, adapted to respectively engage over one of the limbs 3 4 on each side of the rod for applying tension to the holders. The coil-spring 6 is wound of greater diameter than the ends or coils 1 2, thereby permitting the coil end 2 to be screwed into one end of the coil-spring, thus increasing the resiliency of the holders. By this arrangement one coil-spring applies tension to two of the holders. These holders are extended a slight distance

beyond the beaded edges *a a'* of the tray, 50 thereby permitting the lip 5 thereof to be engaged into the mouth of the tumbler when the tumbler is moved upward, carrying the holder with it and the tumbler moved into position upon the tray. To release the tumbler, a slight upward movement is given, permitting the tumbler to be freed from the beaded edge, when it can be withdrawn with ease. When not in use, the outer ends of the spring-holders engage against the beaded edge 60 of the tray, and when the tumblers are in the tray the outer ends of the holders are upwardly inclined. The beaded edge holds the bottoms of the tumbler from slipping off the tray, and the lips 5 dip into the open tops of the tumblers and hold them against lateral movement. 65

Having described my invention, I claim—

1. In a tray, glass-holders consisting of spring members, the inner ends of which are secured to the tray, the outer ends being shaped to engage the tops of the tumblers and clamp the same downwardly on the tray, substantially as described. 70

2. In a tray, glass-holders having a hinged coil-spring connection with the tray, the ends of the holders being shaped to engage into the mouths of the tumblers and clamp them down on the tray, substantially as described. 75

3. In a tray, a central rod, glass-holders, the inner ends of which have a hinged, coil-spring connection with said rod, the ends of the holders being inwardly bent to engage into the mouths of the glasses, substantially as described. 80 85

4. In a tray, having a beaded edge, glass-holders having a hinged, coil-spring connection with the tray at their inner ends, the outer ends of said holders overlying said beaded edge and being bent to engage the tops of the glasses, substantially as described. 90

In testimony whereof I have hereunto set my hand.

DAVID H. ALLEN.

Witnesses:

OLIVER B. KAISER,  
LUISE BECK.