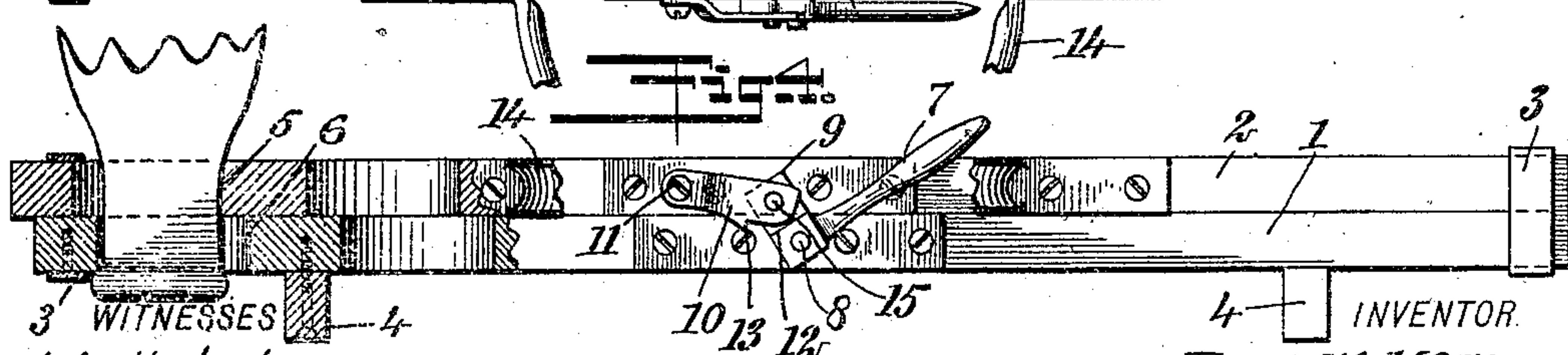
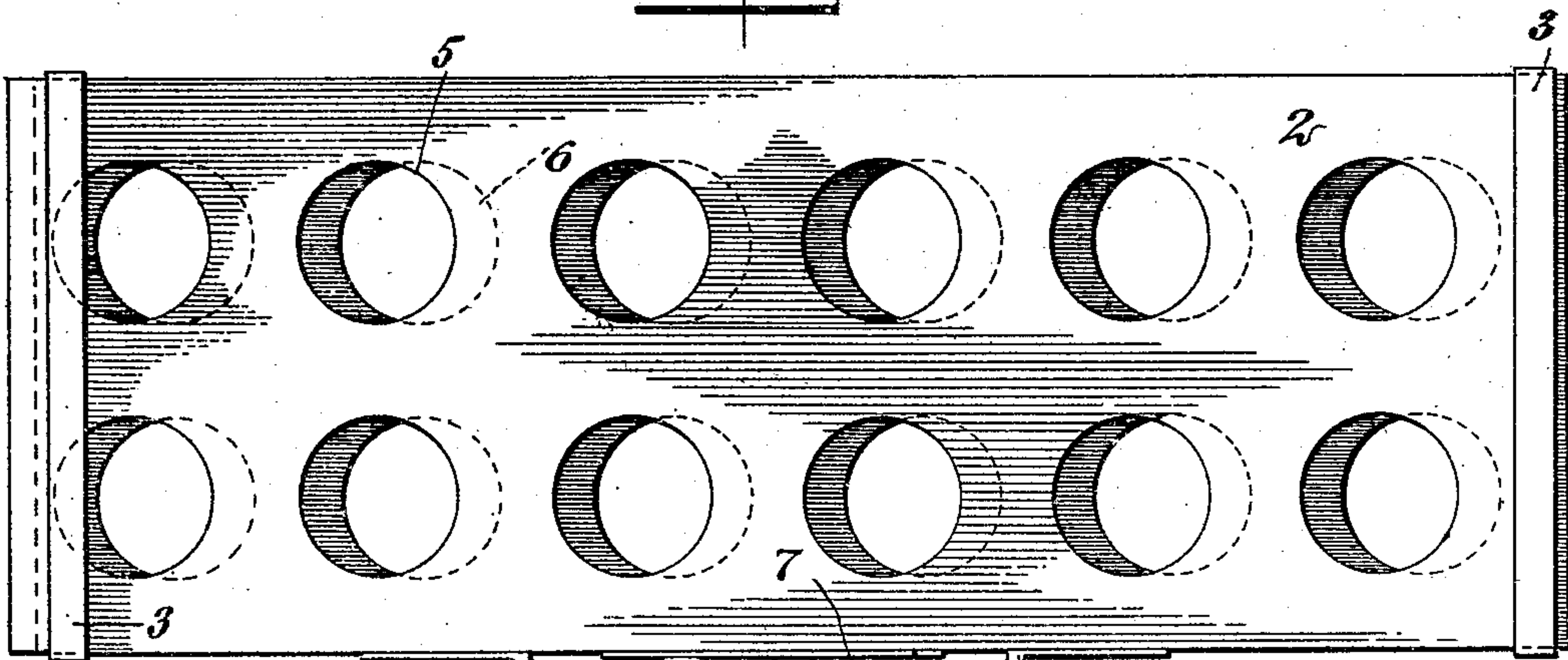
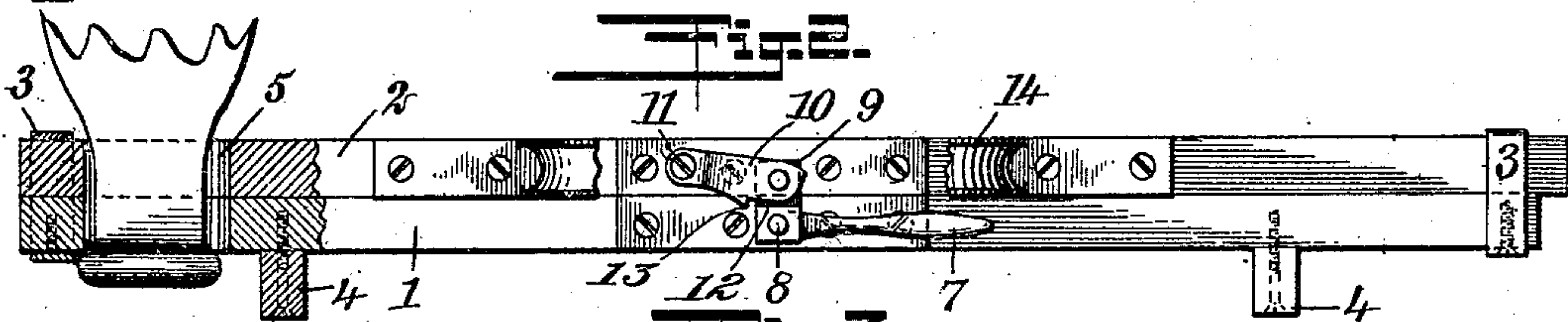
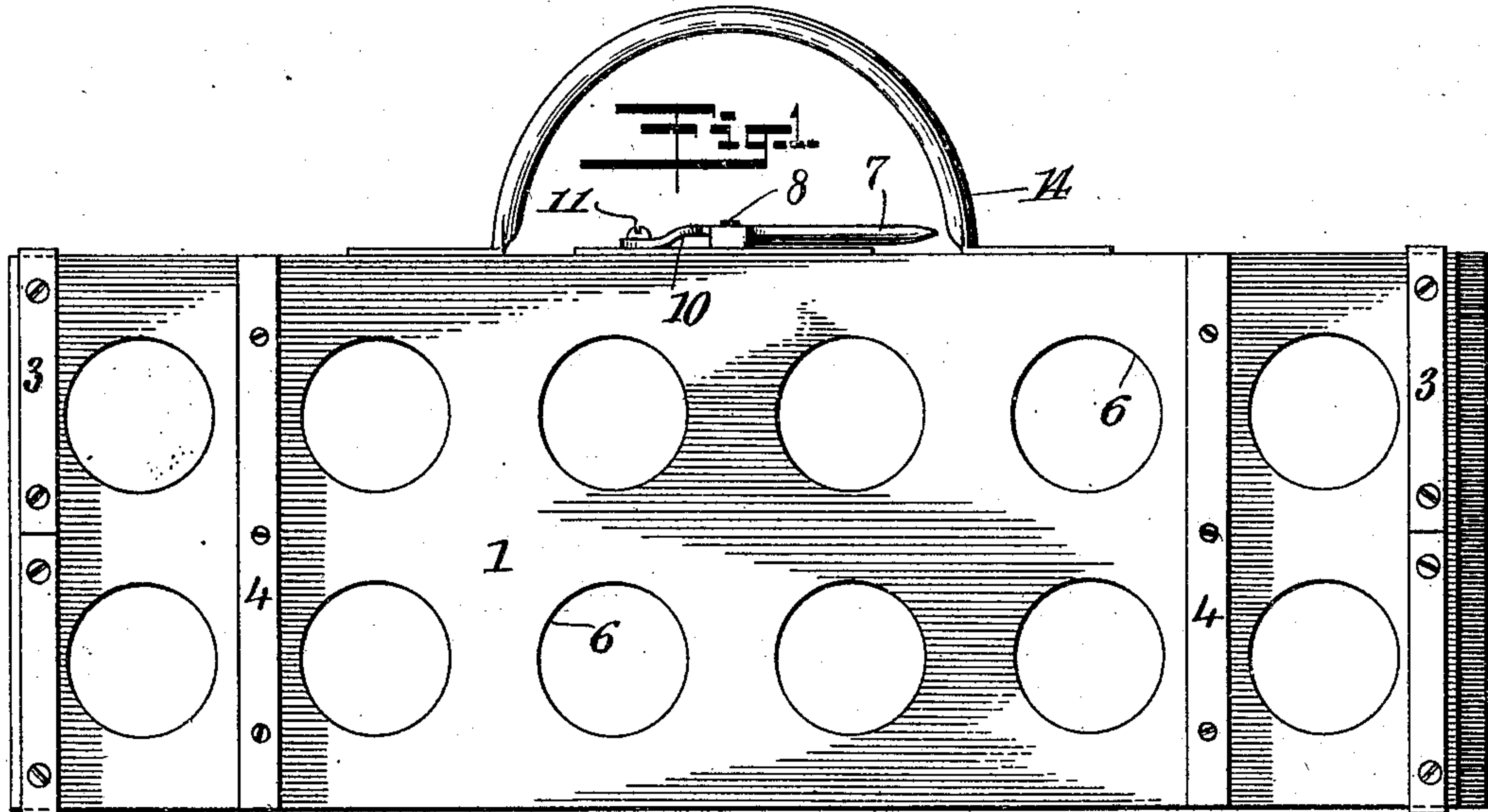


B. W. McGINNIS.  
DIPPING DEVICE FOR BOTTLES OR JARS.  
APPLICATION FILED SEPT. 30, 1908.

929,464.

Patented July 27, 1909.



3 WITNESSES  
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# UNITED STATES PATENT OFFICE.

BERT W. MCGINNIS, WICHITA, KANSAS.

## DIPPING DEVICE FOR BOTTLES OR JARS.

No. 929,464.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed September 30, 1908. Serial No. 455,434.

*To all whom it may concern:*

Be it known that I, BERT W. MCGINNIS, a citizen of the United States, and a resident of Wichita, in the county of Sedgwick and State of Kansas, have invented a new and Improved Dipping Device for Bottles or Jars, of which the following is a full, clear, and exact description.

This invention relates to dipping devices such as are used for holding bottles or milk jars when they are being dipped to sterilize or scald them.

The object of the invention is to produce a device of very simple construction, which can be operated in a simple manner to hold a number of bottles in a convenient manner to enable them to be dipped in a vessel having a scalding or sterilizing bath.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the device; Fig. 2 is a plan or upper edge view, in this view certain parts are broken away and shown in cross section, this view also shows the device in the relation which the parts assume when the bottles or jars are to be inserted; Fig. 3 is a side elevation showing the opposite side from that shown in Fig. 1, and showing the device in an inverted position; and Fig. 4 is a view similar to Fig. 2, but showing the parts of the device in the relation which they assume when the bottles or jars are locked against removal.

Referring more particularly to the parts, the body of the device is formed of two plates or boards 1 and 2, which are of the same size and superposed one above the other, as indicated. The plate 1 is provided at its ends with rigid guide bars or guide straps 3 of metal, which enable the plate 2 to slide freely longitudinally of the face of the plate 1. On its outer side the plate 1 is provided with transverse cleats 4, the purpose of which will appear more fully hereinafter. The plates 1 and 2 are provided with series of openings 6 and 5 respectively, which may register exactly with each other, as indicated in Fig. 1, or which may be drawn slightly out of alinement with each other, as

shown in Fig. 3. This is accomplished by sliding one of the plates on the other. For this purpose I provide a lever 7 which is pivotally mounted on a stud 8 on the upper edge of the plate 1. This lever is a bell crank lever, having a short laterally projecting arm 9 which is connected by a link 10 with the edge of the plate 2, said link 10 being pivotally attached by a suitable screw 11. The arm 9 of the bell crank lever is reduced in thickness so that a shoulder 12 is formed on the head of the lever 7, and the edge of this shoulder is adapted to engage with a notch 13 on the side of the link 10, which limits the movement of the lever 7, as will be readily understood.

As shown in Fig. 2, the lever 7 extends longitudinally of the device, and at this time the openings 5 and 6 are in alinement with each other. With the device in this position, it may be set upon a table with the cleats 4 disposed on the under side, and resting upon the surface of the table. The bottles or jars are then inserted in the openings from above, as indicated in Figs. 2 and 4. After the openings have all been filled with bottles, the lever 7 is thrown over to the position in which it is shown in Fig. 4. This slides the plate 2 upon the plate 1, and the plate 1 then engages the necks of the bottles under the lips thereof and holds them securely against withdrawal. The upper edge of the plate 2 is provided with a suitable handle 14 which can be held when the device is being immersed with the bottles which it holds in a sterilizing or scalding bath. After the bottles have been dipped, the device may be set upon a table or shelf so as to enable the bottles to drain.

In the practical construction of the device, the links 10 and arm 9 are arranged in such a way that the pivot connection 15 between them will pass beyond the line joining the pins 8 and 11; in this way the device jams or locks the slides relatively to each other. After bottles are drained, the device with bottles can be inserted over a delivery case and by unlocking the lever the bottles will drop into the case.

Having thus described my invention, I claim as new and desire to secure by Letters Patent,—

1. A dipping device for bottles and jars, comprising a pair of horizontally elongated plates, means for guiding one of said plates upon the other, a handle attached to one of



said plates on the edge thereof whereby said plates may be normally held in a substantially vertical plane when dipping the bottles and jars, said plates having a plurality of openings adapted to register and which may be thrown out of register, and means for locking said plates with respect to each other with said openings slightly out of register to hold the necks of the bottles and jars inserted in said openings.

2. A dipping device for bottles and jars, comprising a horizontally elongated plate having a plurality of openings formed therethrough, a sliding member adapted to reduce the area through said openings and adapted to engage the necks of bottles or jars inserted therethrough, and a handle attached at the edge of said plate and affording means for holding the same normally in a substantially vertical plane.

3. A dipping device for bottles and jars, comprising a horizontally elongated plate having a plurality of openings formed therethrough, a sliding member adapted to reduce the area through said openings and adapted to engage the necks of bottles or jars inserted therethrough, a handle attached at the edge of said plate and affording means for holding the same normally in a substantially vertical plane, and members attached to the side of said plate and adapted to project beyond the mouths of said bottles or jars and affording means for

supporting said plate in a substantially horizontal position; said members being attached on the side opposite to which the necks of said bottles or jars are inserted in said openings.

4. A dipping device for bottles and jars, comprising a plate having guides, a second plate mounted on said first plate and movable in said guides, said plates having openings adapted to register and adapted to be thrown out of register when said plates slide one upon the other, means for actuating said plates, and means for holding said plates with said openings in register or out of register.

5. A dipping device for bottles and jars, comprising a plate having guides, a second plate mounted on said first plate and movable in said guides, said plates having openings adapted to register and adapted to be thrown out of register when said plates slide one upon the other, means for actuating said plates, means for holding said plates with said openings in register or out of register, and a handle attached to the edge of one of said plates.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BERT W. MCGINNIS.

Witnesses:

O. L. JACQUES;  
C. E. ARNETT.