

No. 621,385.

Patented Mar. 21, 1899.

J. R. THOMPSON.
BOTTLE STOPPER LOCK.

(Application filed Oct. 31, 1898.)

(No Model.)

Fig. 1.

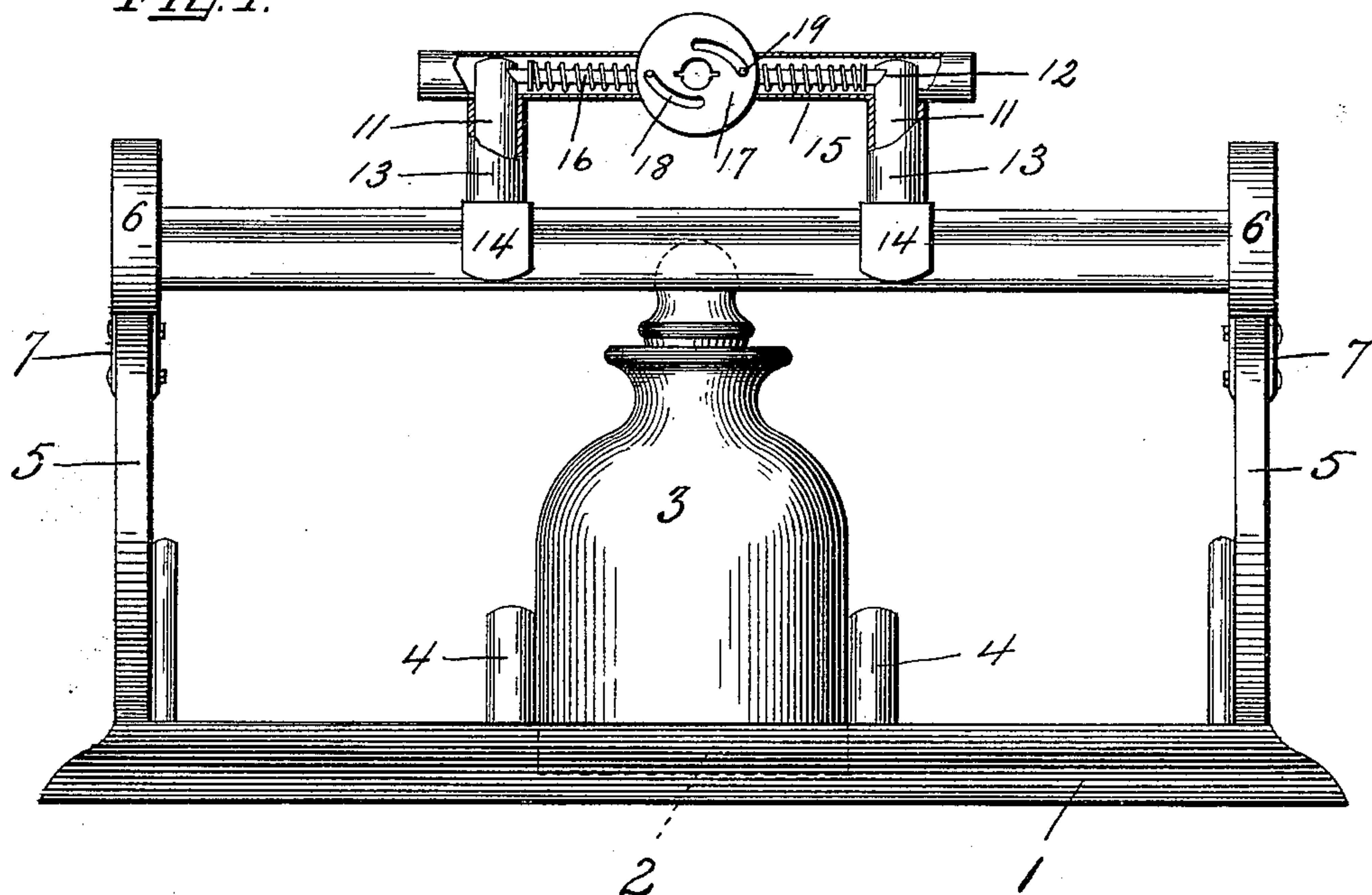


Fig. 2.

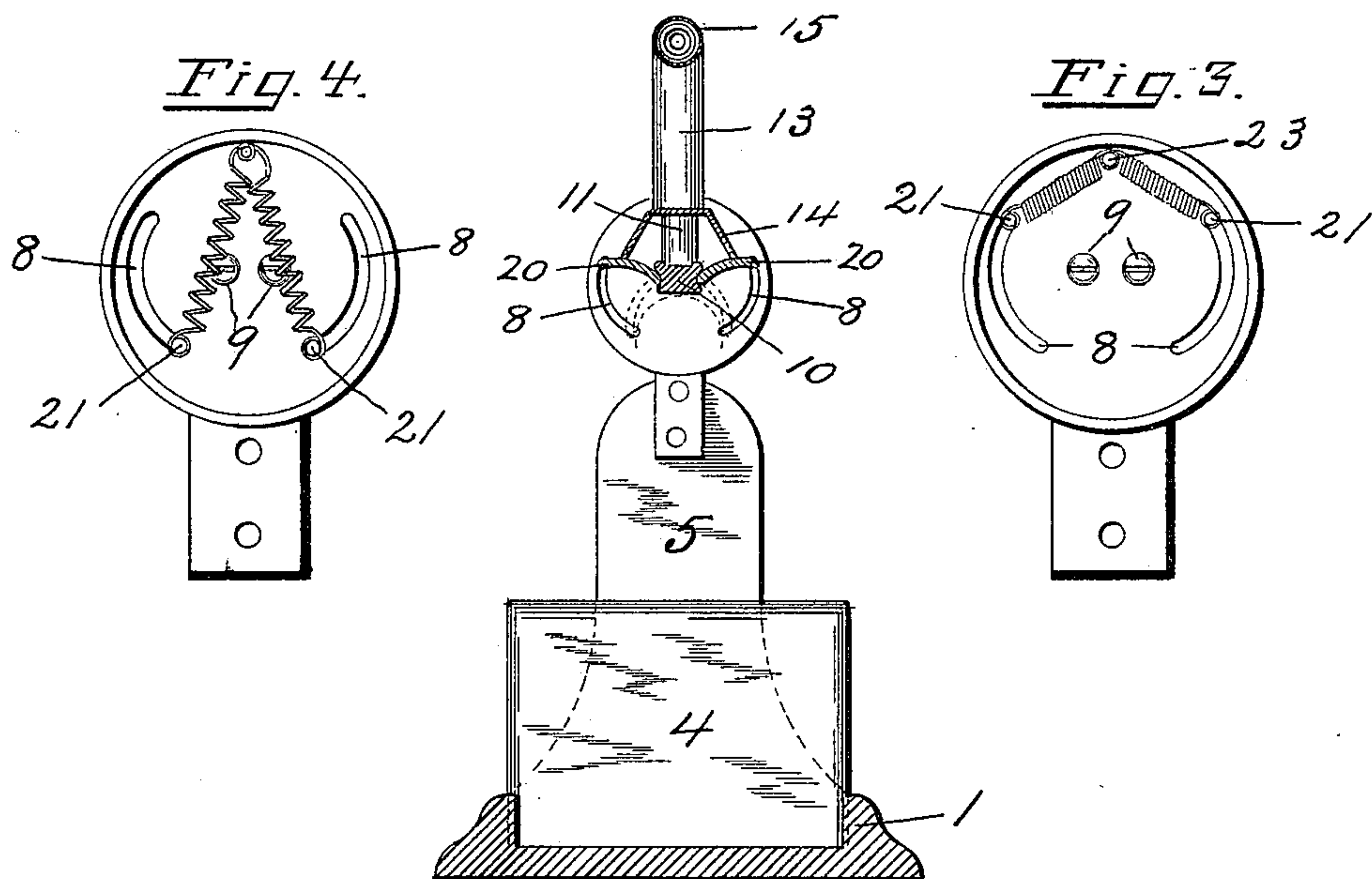


Fig. 4.

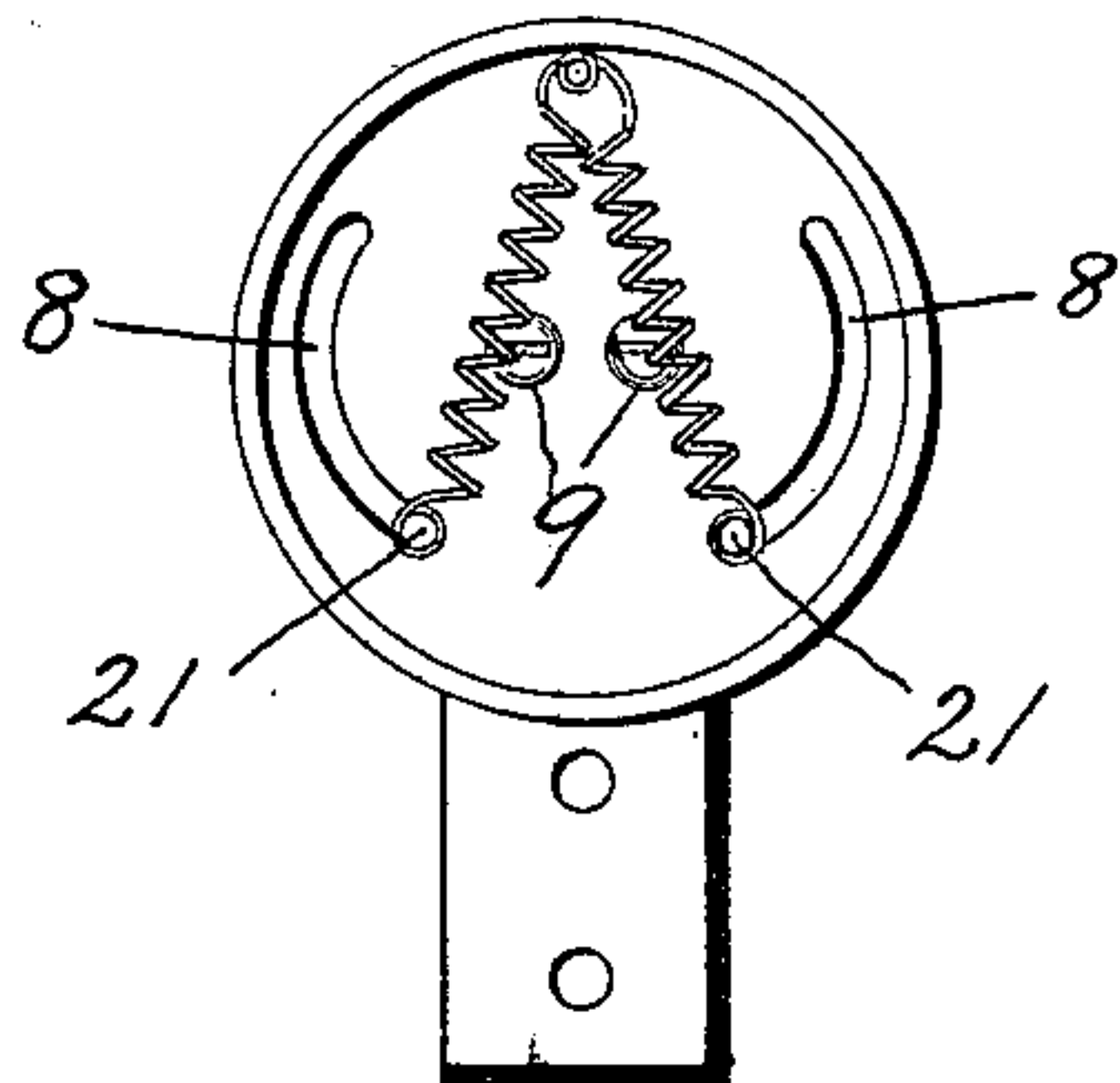
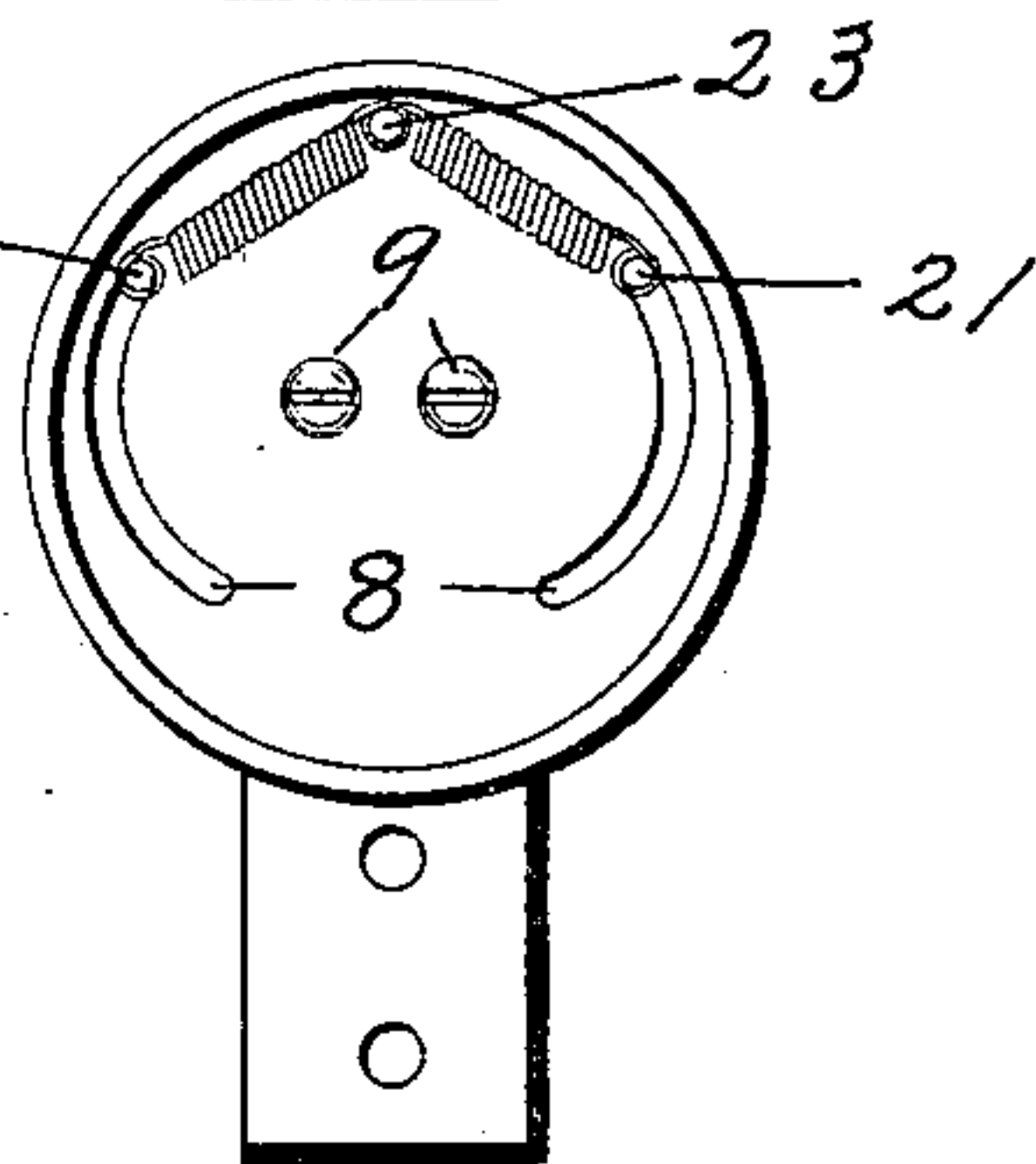


Fig. 3.



Witnesses
H. L. Gaiter.
A. L. Reed.

Inventor
J. R. Thompson
By H. C. Evert & Co. Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH RICHARD THOMPSON, OF NEW YORK, N. Y.

BOTTLE-STOPPER LOCK.

SPECIFICATION forming part of Letters Patent No. 621,385, dated March 21, 1899.

Application filed October 31, 1898. Serial No. 695,044. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH RICHARD THOMPSON, a citizen of the United States, residing at New York, (Brooklyn,) in the county of Kings and State of New York, have invented certain new and useful Improvements in Bottle-Stopper Locks; 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.

This invention relates to certain new and useful improvements in locks for bottles and the like, and has for its object to construct an apparatus wherein the stopper of the bottle is secured by means of flaps folding down against the stopper and locked in this position.

A further object of my invention is to provide a device that will be simple of construction, strong, durable, and easily operated.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like figures of reference indicate similar parts throughout the several views, in which—

Figure 1 is a side elevation showing a portion of the handle broken away. Fig. 2 is a vertical sectional view. Fig. 3 is an end view of the cap with one plate removed, showing position of spring when flaps are out of engagement with the stopper. Fig. 4 is a view of the same, showing position of the spring when the flaps are in engagement with the stopper.

Referring to the drawings, 1 designates the base-board, which is provided with a recess 2 nearly the entire length to receive the lower portion of the bottle 3. Secured in this base-block 1 and projecting above the same are partitions 4, which extend entirely across the recess and form compartments for the reception of the bottles.

Secured to the top of the base-board and at each end thereof is a standard 5, to the top of which is secured a casing 6, provided with a removable plate 7. The face of each of said casings 6 is provided with two segmental slots 8 and two apertures to receive screws 9, which secure the center piece 10 in position. Secured to the center piece 10 and projecting upward are standards 11, which are provided at their upper end with notches 12. Sur-

rounding said standards 11 are sleeves 13, which have secured to their lower ends brackets 14. Secured to the sleeves 13 is a hollow handle 15, which has secured therein spring-actuated locking-bars 16. This handle 15 has suitably secured thereto a lock comprising a disk 17, provided with segmental slots 18, in which operate pins 19, formed integral with an end of the spring-actuated locking-bars 16.

Hinged to each side of the center piece 10 in any suitable manner are flaps 20, which are provided with lugs or projections 21, formed on each end thereof, and project through the segmental slots 8 of the casing. Engaging each of the lugs 21 is a spiral spring 22. The opposite ends of these springs are secured to a lug 23, formed on the inside of the casing.

As shown in Fig. 1, the flaps are locked against the stopper of the bottle. To remove the bottle from the frame, a key is inserted in the central opening in the disk 17, and by turning the same the spring-actuated arms are withdrawn from the notches in the standard 11, and through the tension of the springs 9 the flaps 20 are drawn upward thereby, which in turn forces the handle 15, carrying the brackets 14. To relock the bottle in position, a slight pressure is exerted against the top of the handle, when the same is forced downwardly until the spring-actuated arms engage the notches in the standards.

It will be noted that various changes may be made in the details of construction without departing from the spirit of my invention.

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

1. In an apparatus of the class described, comprising a base-plate, standards secured to said base-plate, a casing secured to the top of said standards, hinged flaps, springs carried by said casing and engaging lugs carried by said flaps whereby the flaps are drawn out of engagement with the bottle-stopper, substantially as shown and described.

2. A bottle-stopper lock consisting of a recessed base-plate, standards secured to each end of said base-plate, casings secured to the top of each of said standards, a center piece secured to said casings and extending longitudinally of the base-plate, flaps hinged to said center piece, lugs formed on one end of

said flaps and projecting through segmental openings formed in said casings, springs secured to said lugs, said springs normally holding the flaps in an elevated position, upwardly-
5 projecting standards secured to said center piece, sleeves engaging each of said standards and carry on their lower ends suitable brackets, a handle formed integral with said sleeves, spring-actuated locking-bars secured inside
10 said handle, said spring-actuated bars being

adapted to engage notches formed in said standards, and means for withdrawing said bars from the notches, substantially as shown and described.

In testimony whereof I affix my signature 15
in presence of two witnesses.

JOSEPH RICHARD THOMPSON.

Witnesses:

PETER R. AUK, Jr.,

HENRY REEVES.