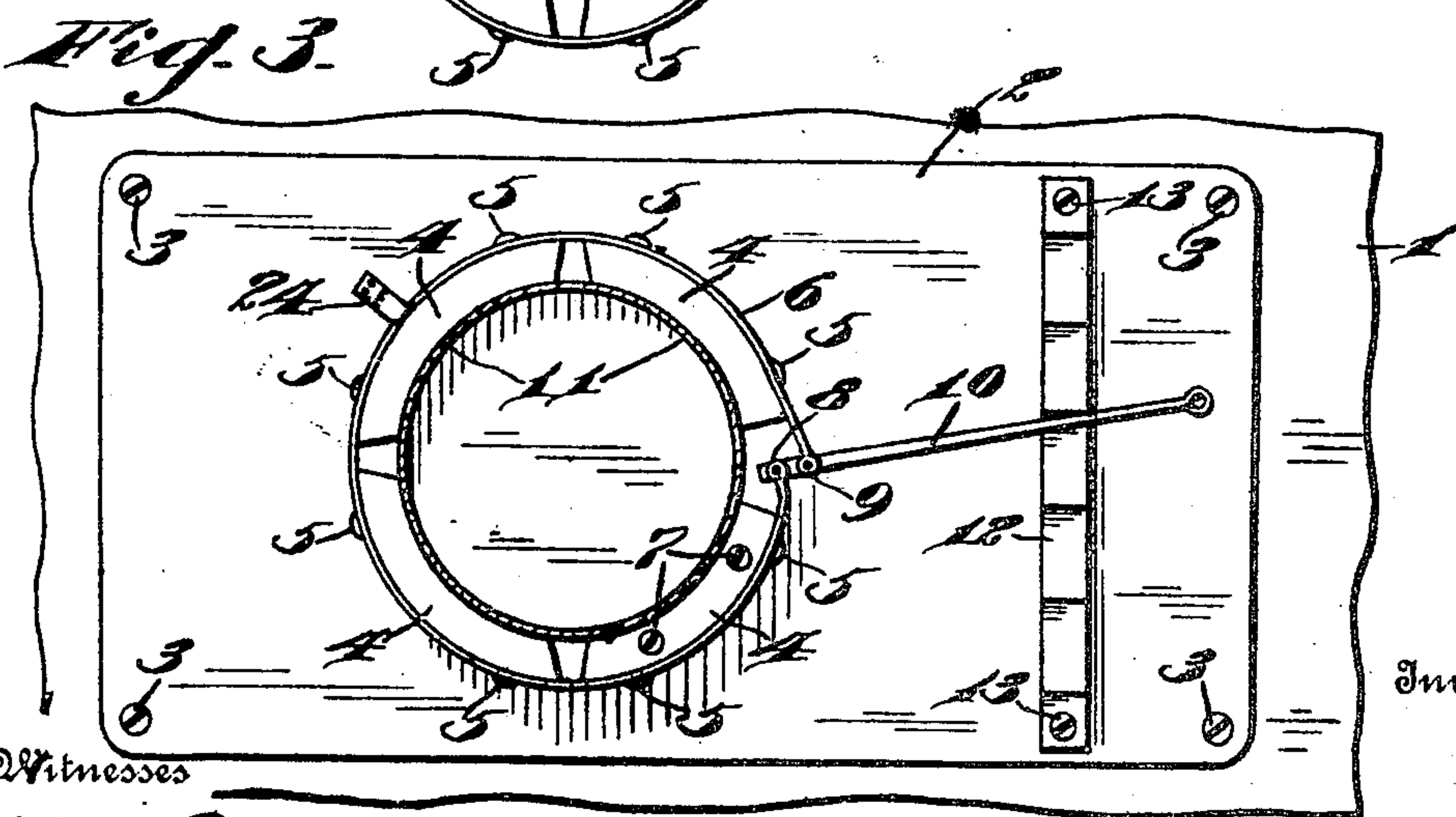
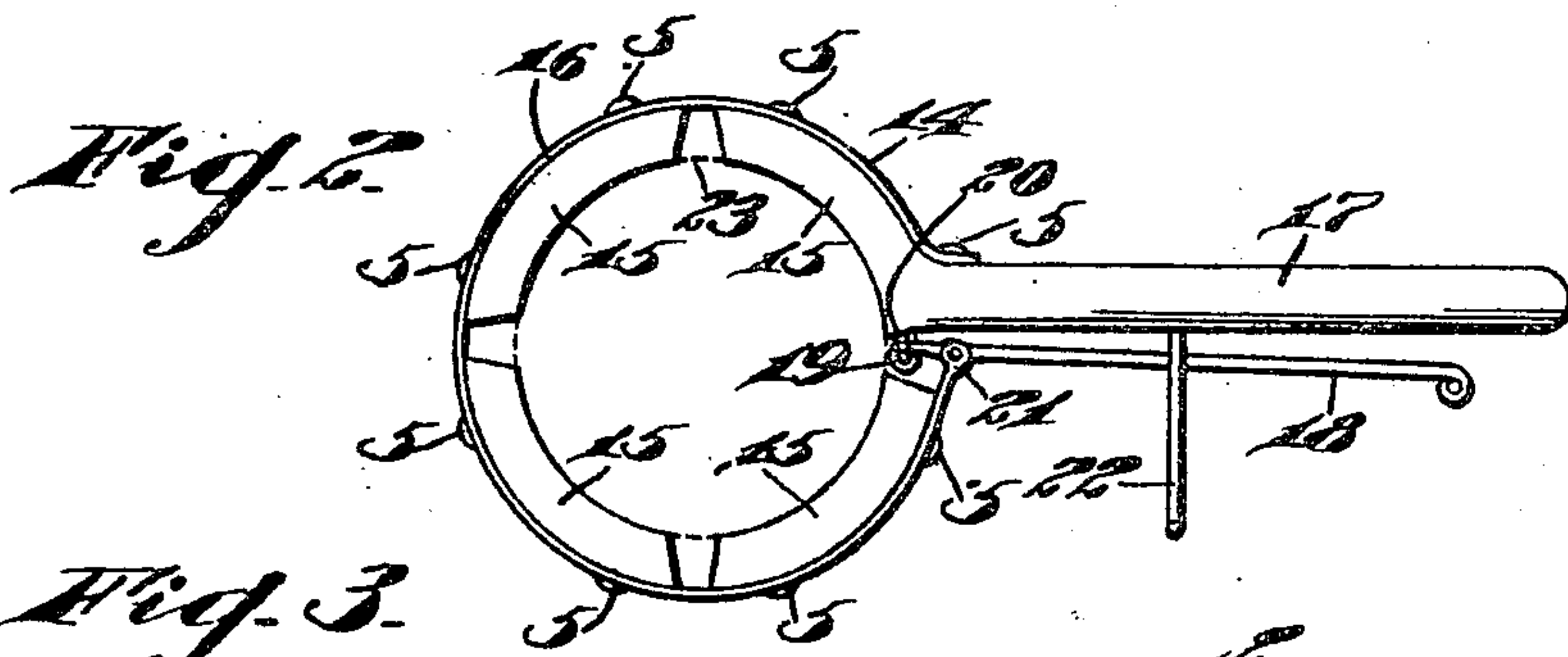
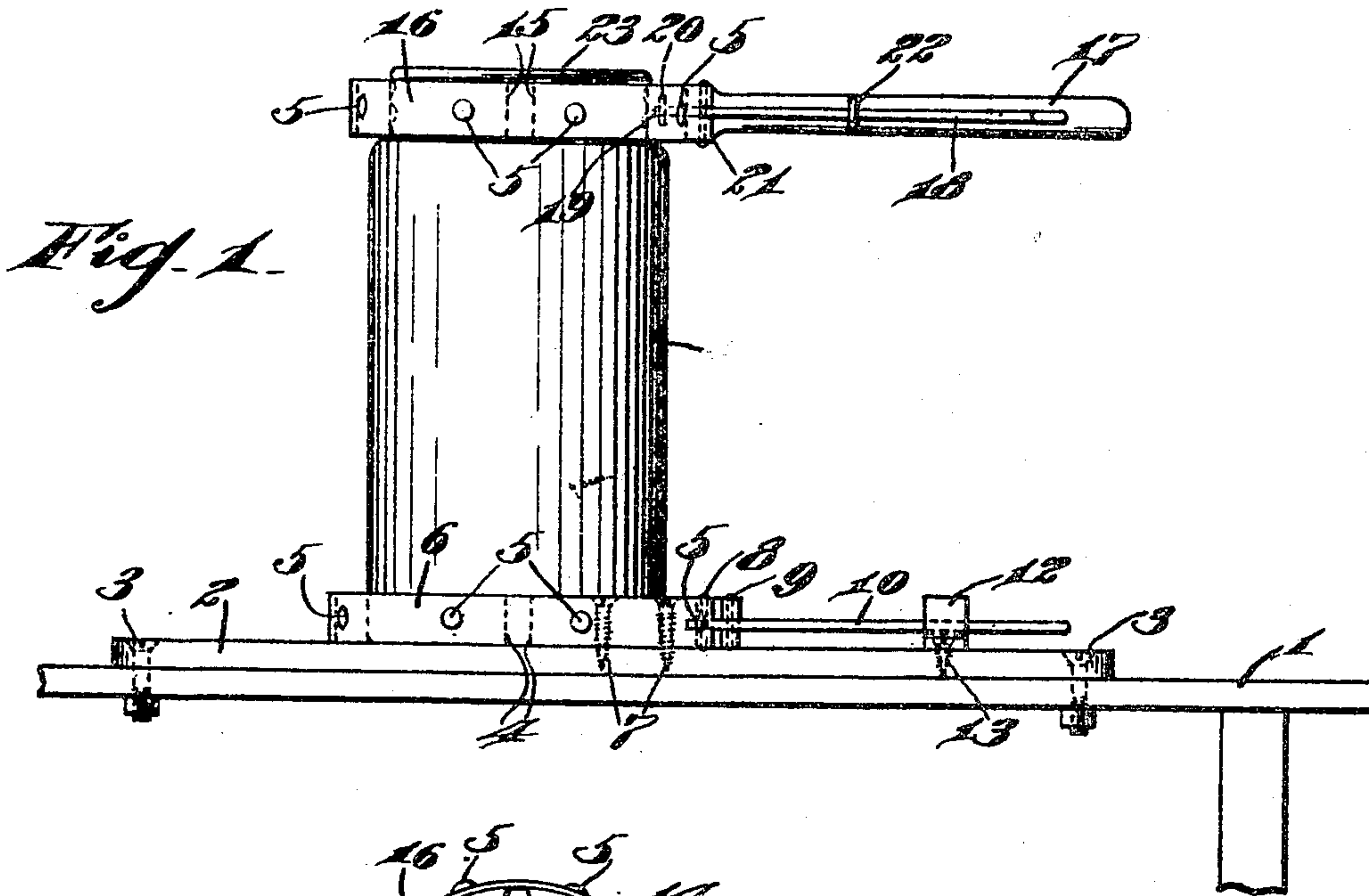


E. SMITH.
JAR HOLDER.

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951,203.

Patented Mar. 8, 1910.



Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

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JAR-HOLDER.

951,203.

Specification of Letters Patent.

Patented Mar. 8, 1910.

Application filed September 18, 1909. Serial No. 518,341.

To all whom it may concern:

Be it known that I, ELIAS SMITH, a citizen of the United States, residing at Skinners Eddy, in the county of Wyoming and State of Pennsylvania, have invented certain new and useful Improvements in Jar-Holders, of which the following is a specification.

My invention relates to improvements in jar holders, the object of the invention being to provide improved means for holding hot jars containing freshly made preserves, canned goods, and the like, with improved means for screwing or unscrewing the cover onto or from the jar while it is securely held, thus reducing the necessity for handling the jar to a minimum, and rendering easy the labor of closing and opening the jar.

A further object is to provide improvements of this character, which can be manufactured and sold at an extremely low price, which will most effectually operate as intended, and which will be strong and durable in use.

With these and other objects in view, the invention consists in certain novel features of construction, and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1, is a view in side elevation illustrating my improvements. Fig. 2, is a plan view of the cover manipulating clamp, and Fig. 3, is a plan view of the jar holding clamp showing a jar in horizontal section within the clamp.

1 represents a table or other support, and 2 is a board or plate secured to the table by screws or bolts 3, and upon which board or plate 2 my improved jar holding clamp is secured, and comprises four segmental clamping blocks 4, each of which is secured by screws or nails 5 to a circular steel band 6, and one of said blocks 4 is secured by screws or other suitable securing devices 7 to the board or plate 2.

The blocks 4 are preferably of wood, but may be made of various other materials. The ends of steel band 6, which is of course a spring, tending to move the segmental blocks 4 away from each other to expand the clamp, project at both ends beyond the segmental blocks, and are bifurcated and provided with registering perforations in the bifurcated ends to receive pins 8 and 9 respectively.

10 represents a lever, which is positioned in the bifurcated ends of the band 6, and the pins 8 and 9 are passed through openings in the lever, said openings being so located as to position the ends of the band slightly apart, so that when the lever is moved in one direction, the band will be contracted to move the free blocks 4 toward the stationary block 4, and securely clamp a jar 11 between them, and when said lever is moved in the opposite direction, the blocks will move away from each other to release the jar.

A ratchet toothed bar 12 is secured by screws 13 or otherwise, to board or plate 2, and is in a position to receive the lever 10, so that when the latter is moved to securely clamp a jar, it can be positioned against one of the teeth of the bar 12, and securely hold the jar, leaving the hands free to manipulate the cover operating clamp, shown most clearly in Fig. 2. This cover operating clamp 14 also comprises a series of blocks 15, all of which are secured to a steel spring hand 16, and a handle 17 is made integral with one of said blocks 15. A hand lever 18 is bent at one end forming an eye 19 to engage an eye 20 on the handle 17 at the inner end of the latter, to pivotally support the lever, and adjacent said pivotal point, one end 21 of the spring band 16 is pivotally secured to the lever.

22 represents a guide, which is in the form of a wire loop secured to the handle, and in which the lever 18 moves.

The operation is as follows: A jar to be opened or closed is placed between the blocks 4 of the lower clamp, and lever 10 swung to clamp the blocks 4 around the jar, and said lever then caught in one of the teeth of the bar 12 to securely hold the jar. The cover shown at 23 is then engaged by the blocks 15. When the operator draws the lever 18 toward handle 17, the greater the pressure he exerts upon the lever, the greater will be the clamping force upon the cover. While holding the lever in this clamping position, and turning the clamp around the jar, the cover can be either screwed on or off, and as the lower clamp securely holds the jar, the cover may be manipulated without the necessity of handling the jar, except to place it in position in the lower clamp, and remove it therefrom when the operation is complete.

Various slight changes might be made in

the general form and arrangement of parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the claims.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. The combination with a supporting plate, of a jar holding clamp, comprising a circular series of segmentally curved blocks, one, and only one, of said blocks being secured to said plate, a spring band around said blocks and secured to all of them, and a lever pivotally connected near one end, to one end of said band, and pivotally connected to the other end of said band at a point farther removed from the end of the lever.

2. The combination with a supporting plate and a ratchet toothed bar fixed to said

plate, of a circular series of segmentally curved blocks spaced apart, and one, and only one of said blocks secured to said plate at a point removed from said ratchet bar, a spring band secured around and to the outer faces of all of said blocks, a lever pivotally connected near one and to one end of said spring band, and pivotally connected to the other end of the spring band at a point removed from its other pivotal connection, and said lever adapted to be swung in one direction to move said movable blocks toward the stationary block to clamp a jar between them, and said lever adapted to engage the teeth of the ratchet bar to lock the lever in a clamped position.

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

ELIAS SMITH.

Witnesses:

GEO. M. SCHERMEHORN,
FRANK W. LACEY.