

J. SLIVENICK.

LOCK.

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999,127.

Patented July 25, 1911.

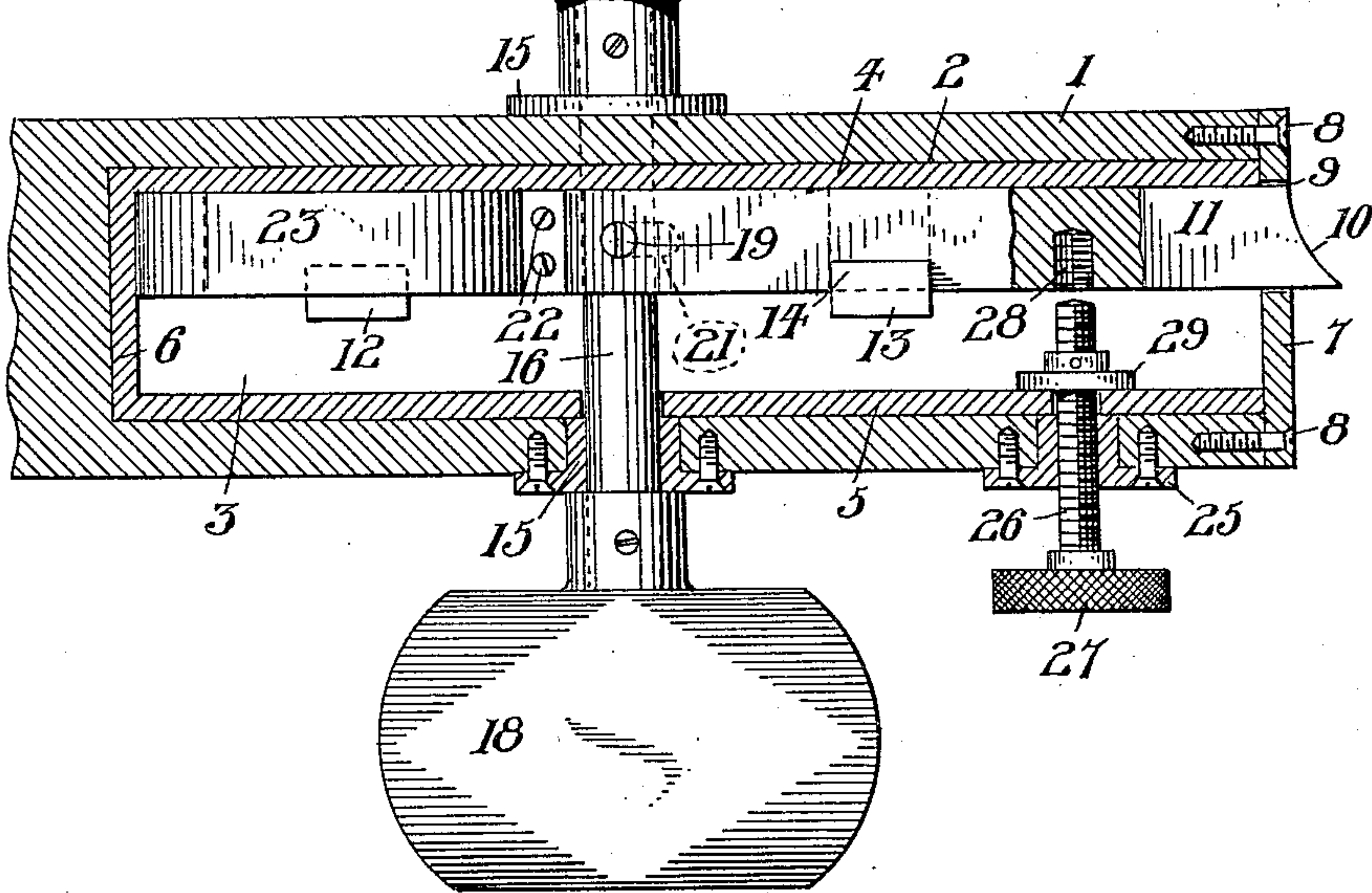
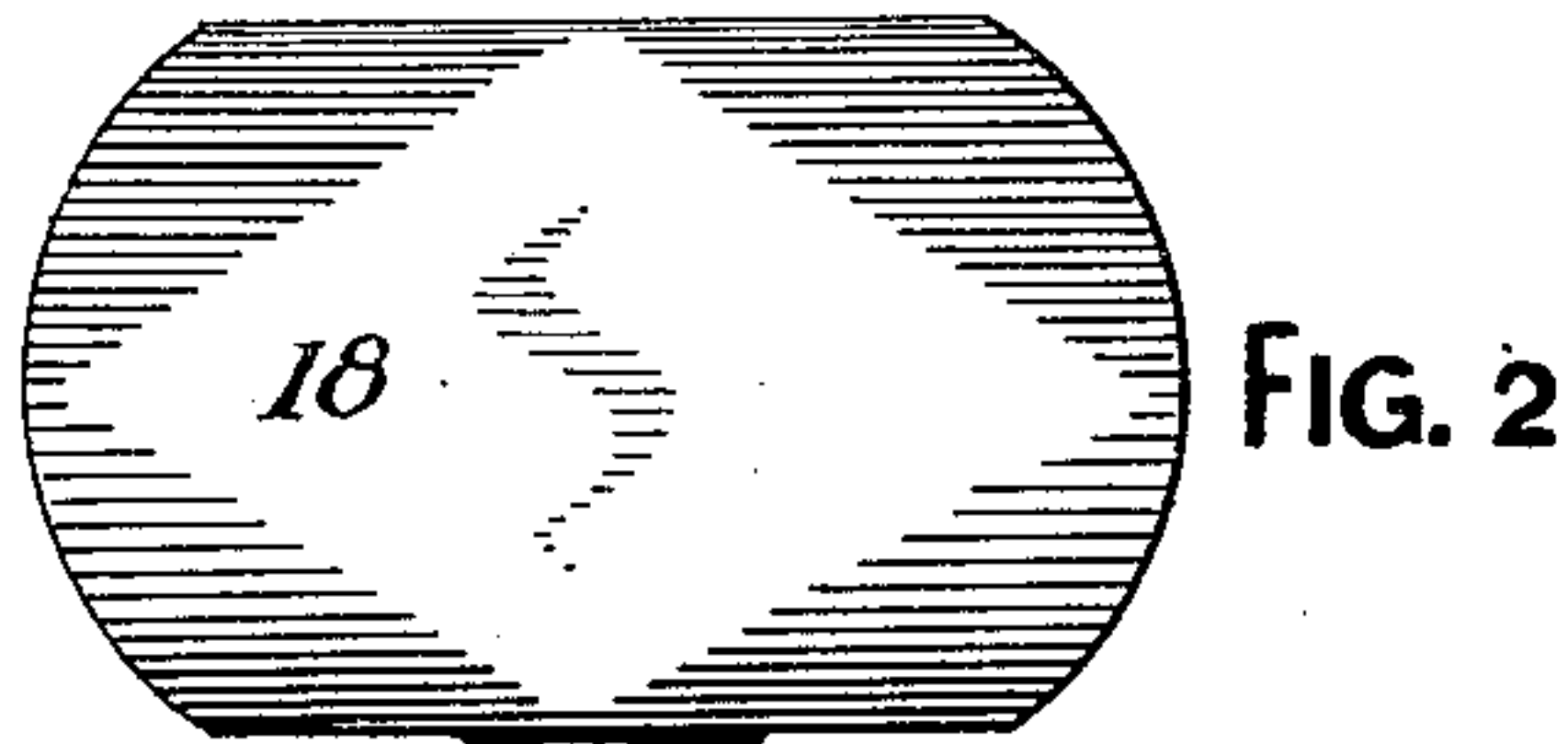
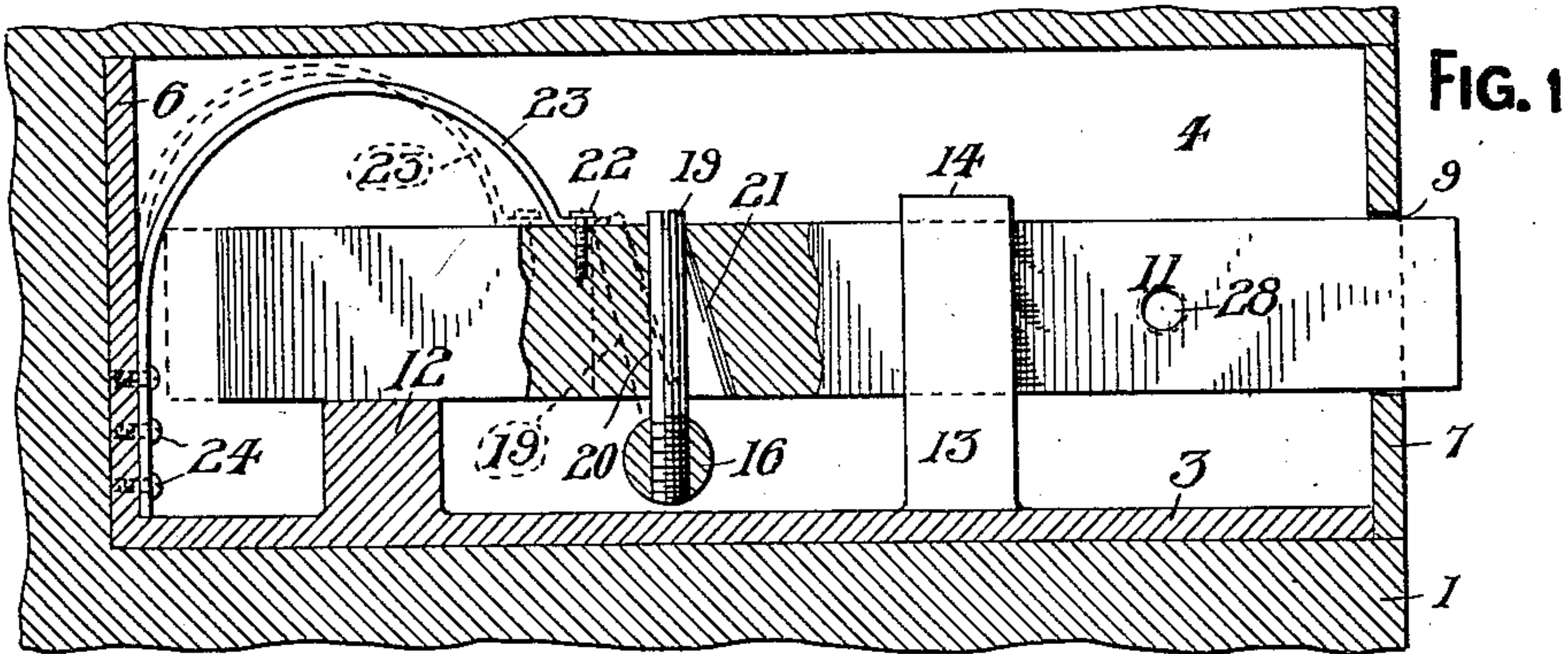


FIG. 3

WITNESSES

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# UNITED STATES PATENT OFFICE.

JOE SLIVENICK, OF CANTON, OHIO.

## LOCK.

999,127.

Specification of Letters Patent.

Patented July 25, 1911.

Application filed December 24, 1910. Serial No. 599,159.

*To all whom it may concern:*

Be it known that I, JOE SLIVENICK, a subject of the King of Hungary, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Locks, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to locks, and more particularly to mortised locks used in connection with doors, and the invention has for its primary object the provision of simple and effective means in a manner as will be hereinafter set forth for shifting a locking bolt or latch by an ordinary door knob and the locking of the bolt or latch either in an extended or retracted position.

Another object of the invention is to provide a lock of the above type that consists of comparatively few parts easily assembled and maintained in an operatable condition.

A further object of the invention is to provide a lock that is simple in construction, durable, inexpensive to manufacture, and highly efficient for the purposes for which it is intended.

I attain the above objects by a mechanical construction that will be hereinafter specifically described and then claimed, and reference will now be had to the drawing, wherein like numerals of reference designate corresponding parts throughout the several views, in which:—

Figure 1 is a vertical longitudinal sectional view of the lock, Fig. 2 is a horizontal sectional view of the same, and Fig. 3 is a similar view of a portion of the lock showing the bolt or latch thereof in a retracted and locked position.

The reference numeral 1 denotes a portion of a door provided with a mortise 2 for a lock casing comprising a bottom plate 3, side walls 4 and 5, an integral end wall 6 and a strike plate 7, said strike plate being secured by screws 8 or other fastening means to the door 1 and provided with an opening 9 for the beveled end 10 of a movable bolt or latch 11 arranged within the lock casing. The bolt or latch 11 has the inner end thereof supported and guided by a bearing 12, carried by the bottom plate 3, and in addition to this bearing there is another guide bearing 13 having the upper end thereof provided with an overhanging lip 14 adapted to retain the bolt or latch 11 upon said bearings, these bearings being located adja-

cent to the wall 4, whereby the bolt or latch will be slidably retained in engagement with said wall.

The door 1 has the sides thereof provided with bushings 15 for a knob shaft 16 adapted to extend through openings 17 provided therefor in the walls 4 and 5 of the lock casing. The ends of the shaft 16 are provided with detachable knobs 18, and detachably mounted in said shaft directly beneath the bolt or latch 11 is a vertical pin 19 extending upwardly through an opening 20 provided therefor in said latch or bolt, said opening having an inclined wall 21 to provide clearance for the pin 19 when the bolt or latch is in a retracted position. Attached to the upper side of the bolt or latch 11, as at 22 is the end of a flat compression spring 23 having the opposite end thereof secured to the wall 6 of the lock casing, as at 24.

The inner side of the door 1 is provided with a bushing 25 and adjustably mounted in said bushing is a screw 26 having the upper end thereof provided with a knurled head 27. The inner end of the screw 26 is adapted to enter a socket 28 provided therefor in the bolt or latch 11, said socket having the walls thereof threaded to receive the end of the screw. The movement of the screw 26 within the bushing 25, also within the socket 28, is limited by a collar 29 mounted upon the inner end of the screw 26.

From the foregoing it will be observed that the compression spring 26 normally retains the bolt or latch 11 in an extended position, and that by partially rotating the shaft 16 through the medium of the knobs 18, the bolt or latch 11 can be retracted. To lock the bolt or latch 11 in an extended position, it is only necessary to rotate the head 27 and place the inner end of the screw 26 in the socket 28, said screw preventing a movement of the shaft 16 from retracting the bolt or latch 11.

It is thought that the operation and utility of the lock will be apparent without further description, and while in the drawing there is illustrated a preferred embodiment of the invention, it is to be understood that the structural elements thereof are susceptible to such changes as fall within the scope of the appended claim.

What I claim is:—

A lock of the type described comprising a lock casing, spaced supports arranged therein and constituting bearings, one of



said supports having a vertically-disposed extension provided with an overhanging lip, a bolt mounted upon said supports and retained in position thereon by said extension, 5 said bolt at one side of its center provided with an upwardly-extending opening having the forward portion of its wall inclined to provide a clearance for the operation of a bolt-shifting pin, said opening extending 10 entirely through the bolt, said bolt furthermore provided at one side of its center with a screw-threaded socket, a flat bow-shaped spring extending from and having one end thereof fixedly secured to the top of the bolt 15 and its other end arranged at the rear of the bolt and secured to the casing, a knob-actuating shaft extending through said casing below the bolt, a vertically-disposed bolt shifting pin carried by said shaft and extending in and of a length as to project 20 through said opening, a screw extending in the casing and adapted to engage into said threaded socket for locking the bolt from movement, and means carried by the screw for limiting the movement thereof. 25

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

JOE SLIVENICK.

Witnesses:

STEVE VARGA,  
SVÄBLE DEZSÖ.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

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