

No. 725,013.

PATENTED APR. 7, 1903.

C. F. THYBERG & J. C. MOSES.

LOCK.

APPLICATION FILED JUNE 18, 1902.

NO MODEL.

Fig. 1.

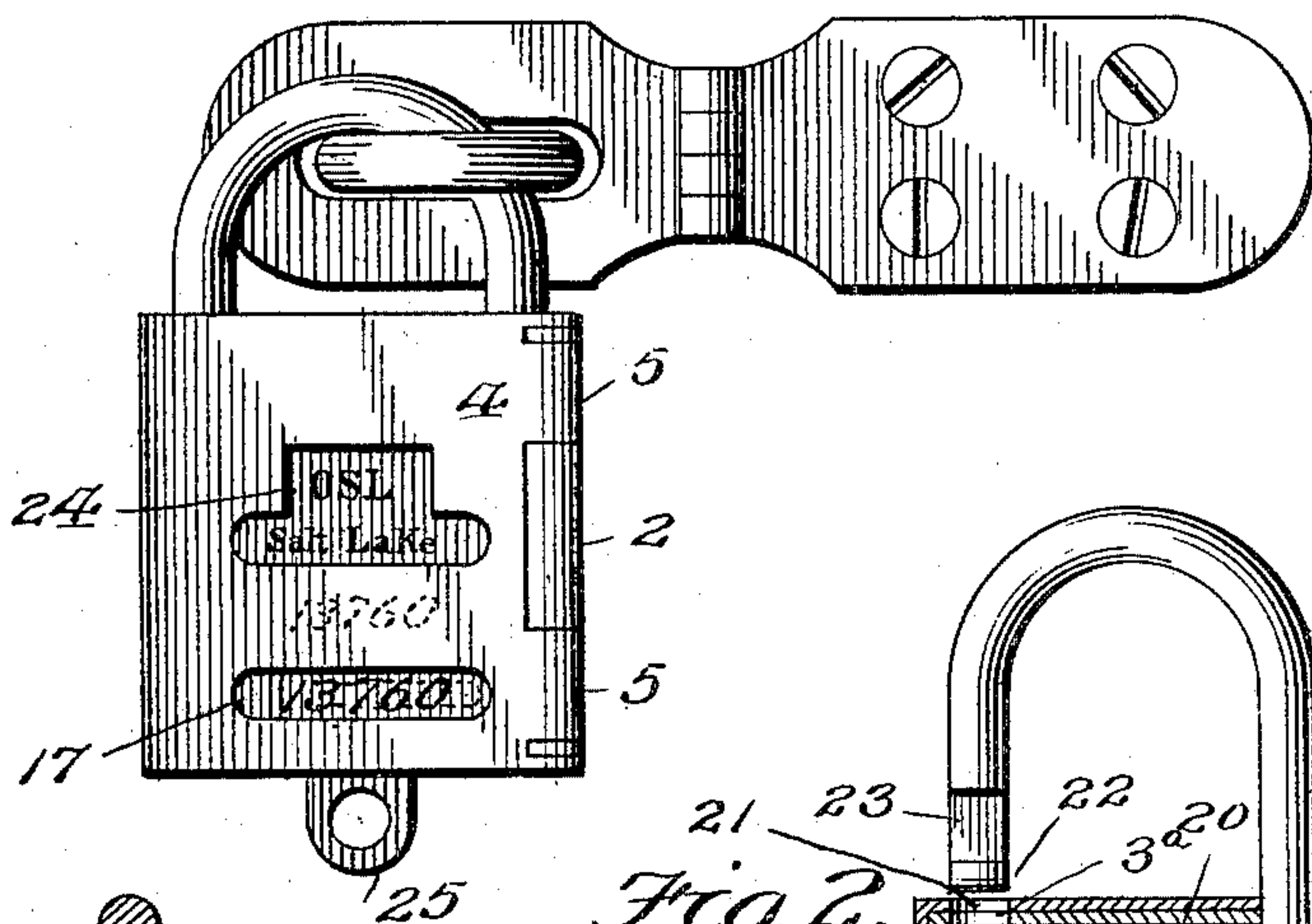


Fig. 2.

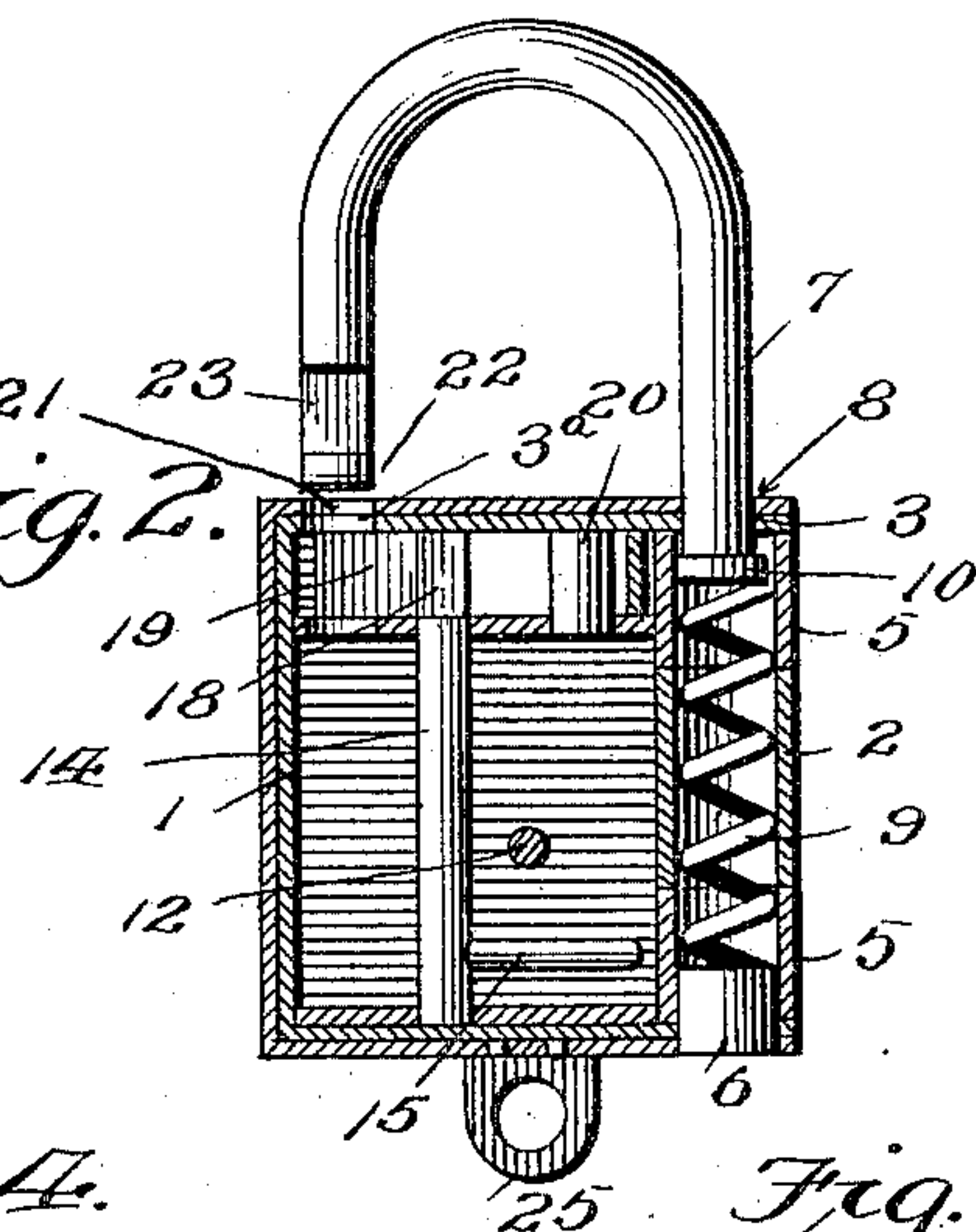


Fig. 3.

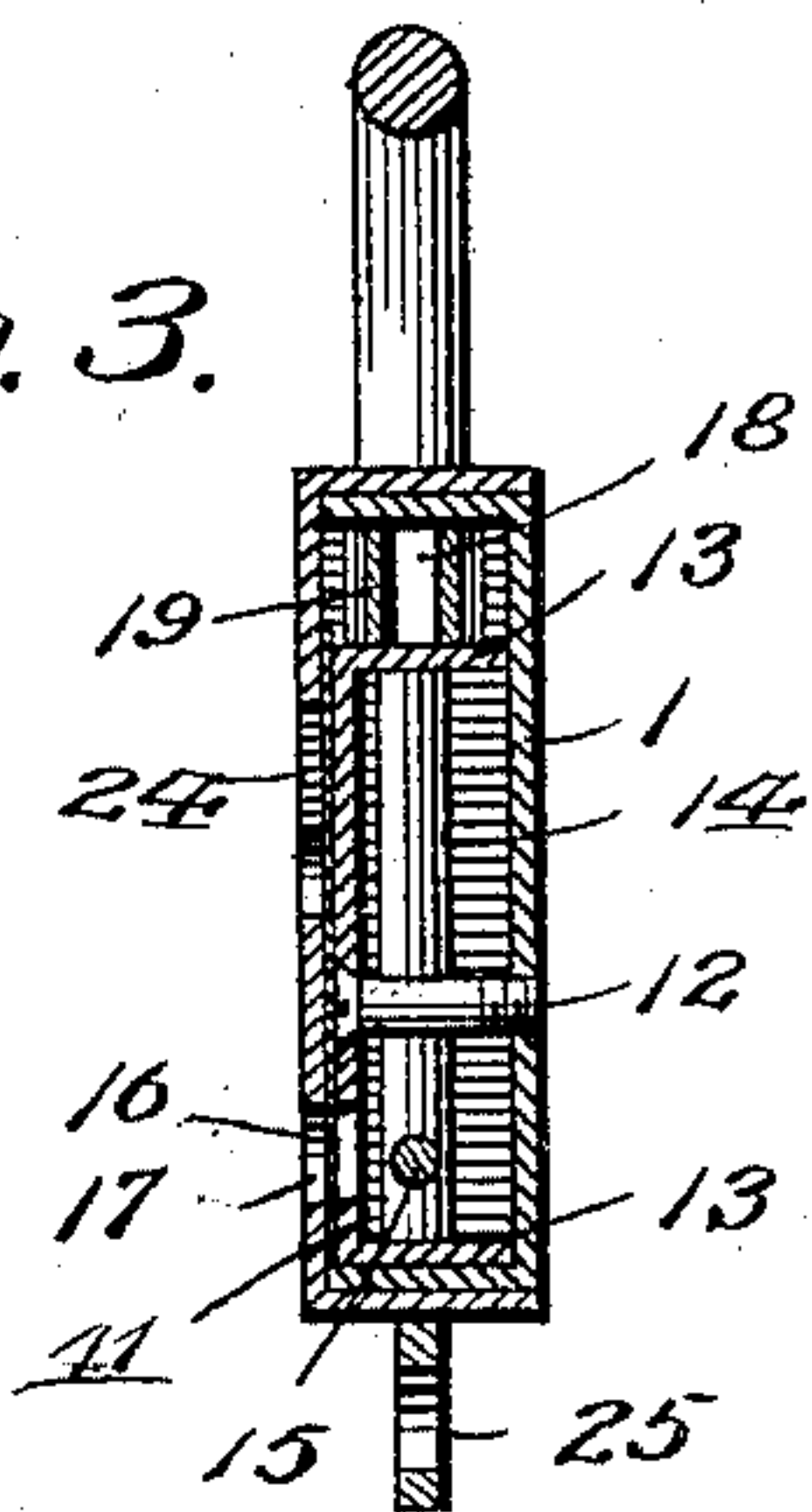


Fig. 4.

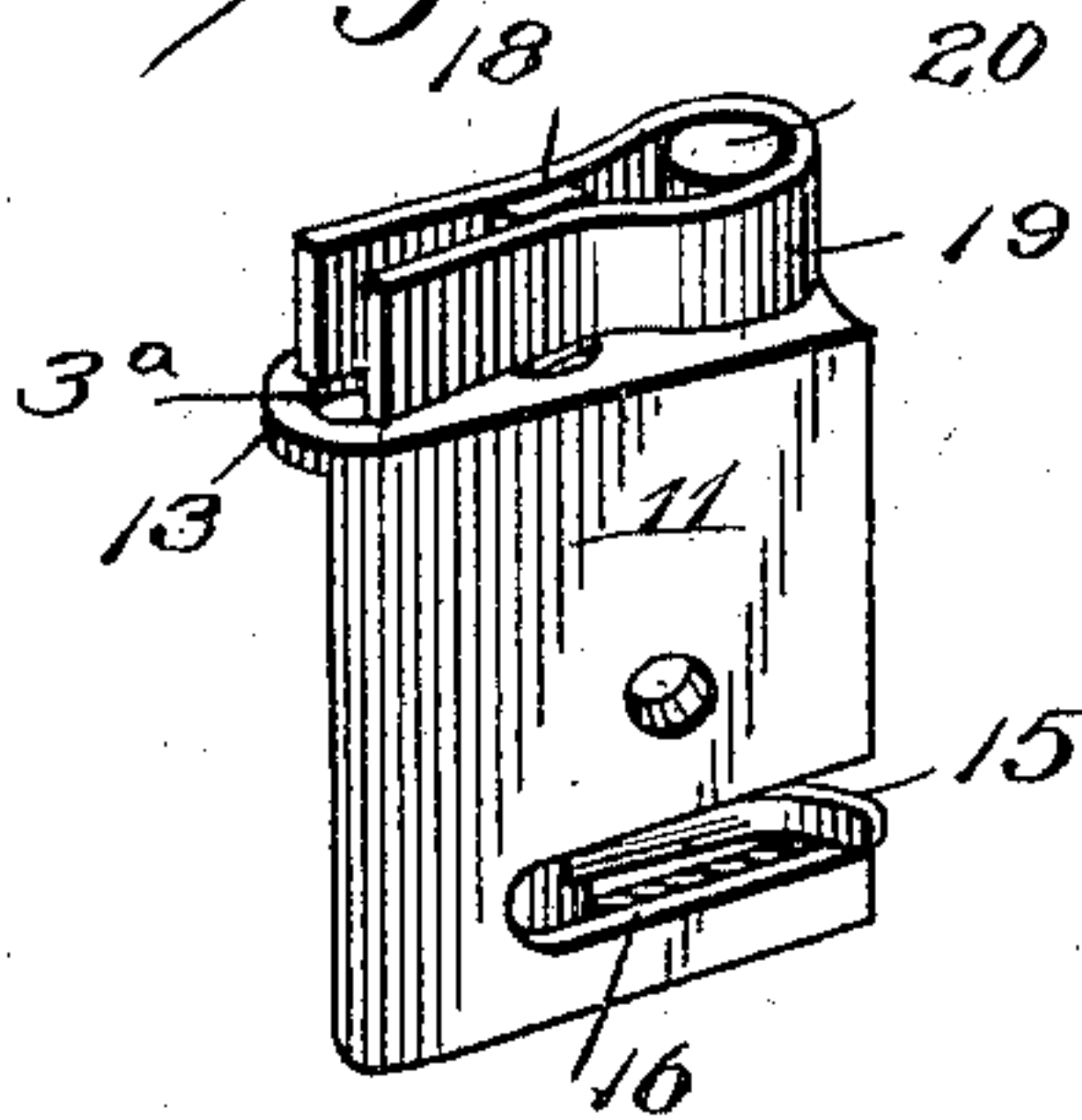


Fig. 5.

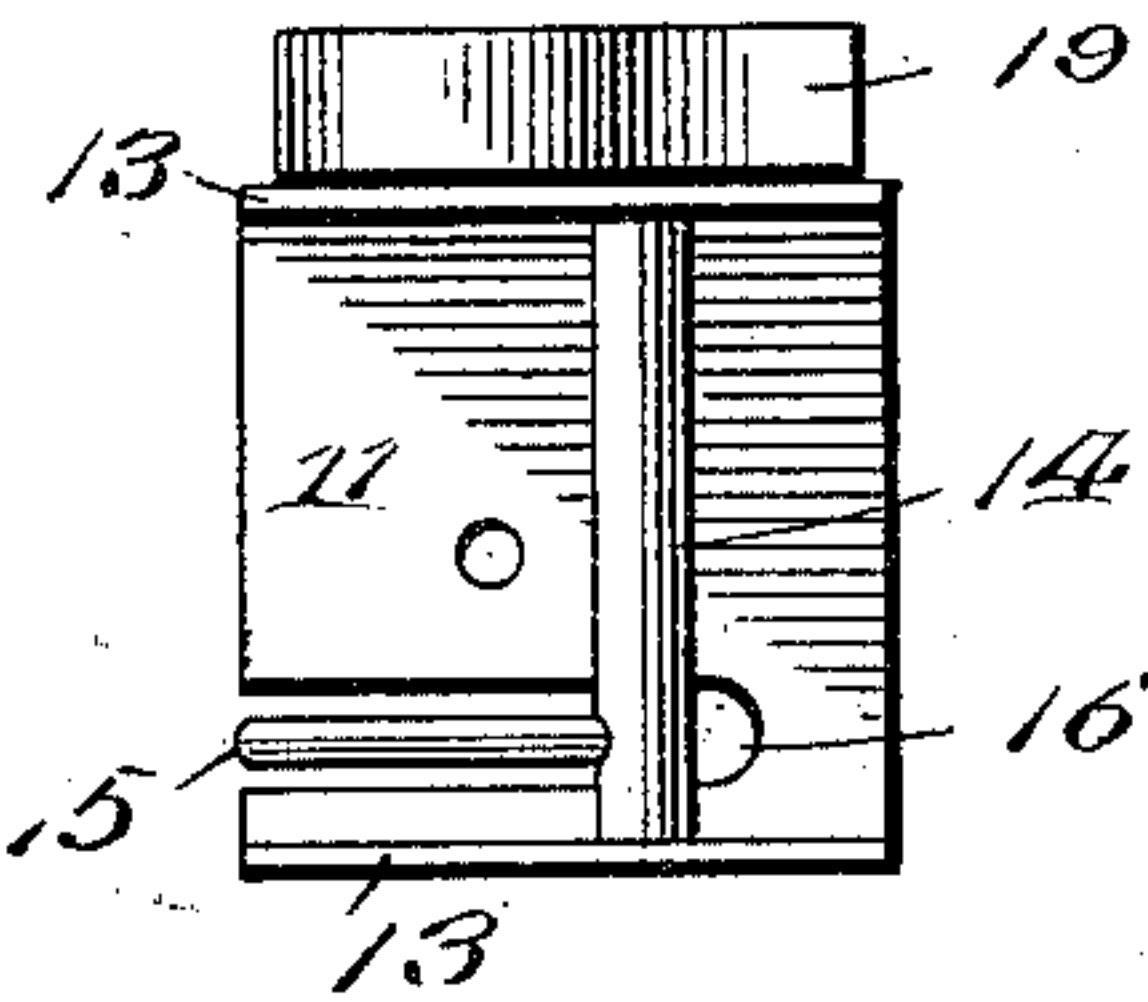
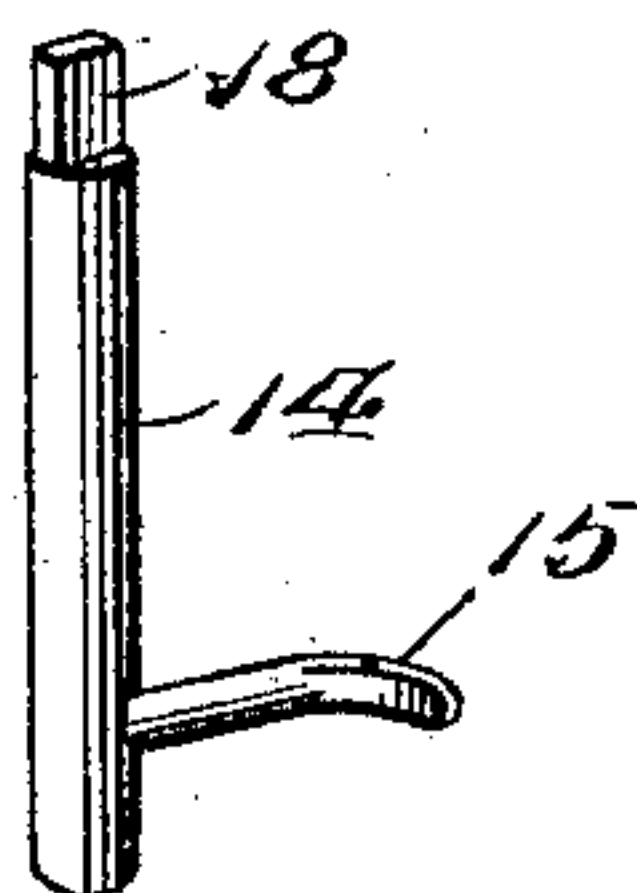


Fig. 6.



Witnesses

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CHARLES FRED THYBERG AND JAMES C. MOSES, OF SALT LAKE CITY, UTAH.

LOCK.

SPECIFICATION forming part of Letters Patent No. 725,013, dated April 7, 1903.

Application filed June 18, 1902. Serial No. 112,232. (No model.)

To all whom it may concern:

Be it known that we, CHARLES FRED THYBERG and JAMES C. MOSES, citizens of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented new and useful Improvements in Locks, of which the following is a specification.

Our invention relates to new and useful improvements in seal-locks; and its object is to provide a form of padlock adapted to be opened by an internally-arranged means which is accessible only after the seal of the lock has been mutilated or destroyed.

Another object is to construct the body of the lock with an outer hinged cover adapted to hold a seal clamped therein over the accessible portion of the above-mentioned means and which is adapted to be secured in such position by the locked shackle.

With the above and other objects in view the invention consists in providing a body having a sliding spring-pressed shackle mounted therein and extending therefrom. One end of the shackle is adapted to be engaged by a spring-clip which extends to opposite sides of a pintle and is adapted to be spread apart and disengaged from the shackle when the pintle is turned. An arm extends laterally from the pintle and lies normally within a slot in the lock-body and in rear of a second slot formed in an outer hinged cover. A suitable seal is adapted to be clamped between the two slots by the cover. The shackle when locked fastens the cover to the body and cannot be unlocked unless the seal is destroyed and the arm of the pintle swung outward through the slots, thereby revolving the pintle and spreading the securing-clip.

We have illustrated the invention in the accompanying drawings, in which—

Figure 1 is an elevation of the lock in use. Fig. 2 is a central longitudinal section through the lock, showing the shackle unfastened. Fig. 3 is a vertical transverse section through the lock. Fig. 4 is a perspective view of the securing-clip and the pintle and its frame, showing the front portions thereof. Fig. 5 is an elevation of the same parts, showing the rear portions thereof; and Fig. 6 is a detail view of the releasing or unlocking means.

Referring to the figures by numerals of reference, 1 is a substantially rectangular casing having a cylinder 2 formed in the center of one side thereof and apertures 3 and 3^a in the top at each side. A cover 4 is adapted to extend over the top, bottom, sides, and open face of the casing, one side being provided with alining cylinders 5, which are arranged at opposite ends of the cylinder 2 and are held in such relation by means of a lug 6, extending from one cylinder 5 and through the bottom of the casing 1, and by a shackle 7, extending through the aperture 3 and a similar registering aperture 8 in the top of the cover 4. The three cylinders 2 5 5 serve to hold a coiled spring 9, which bears upon the headed end 10 of the shackle and holds the same normally pressed outward.

A plate 11 is secured in the casing 1 by means of a screw 12 or in any other suitable manner and is held spaced therefrom by means of top and bottom flanges 13. The flanges 13 of this plate serve as bearings for a vertically-revoluble pintle 14, having a laterally-extending curved arm 15, arranged within a slot 16, formed in the plate 11 and in rear of a slot 17, located in the cover 4. The above-mentioned pintle and arm constitute a releasing or unlocking means. The upper end of the pintle is flattened, as at 18, and held normally clamped between the members of a spring-clip 19, mounted upon a stud 20, extending above the upper flange 13. The ends of this clip lie below and at opposite sides of the aperture 3^a and an aperture 21, formed in the top of cover 4, registering therewith. These apertures are adapted to receive the free tapered end 22 of the shackle, which forces and holds the ends of the clip apart until they spring into recesses 23, formed in opposite sides of said shackle, and lock it in position. As the shackle when in locked position engages the top of the cover 4, said cover cannot be opened, and if a suitably-marked seal 24 has been placed between the two slots 16 and 17 the arm 15 cannot be swung outward unless said seal is mutilated. By swinging the arm outward the flattened end 18 of the pintle spreads apart the members of clip 19, and thereby releases the shackle. Spring 9 will promptly force the end 22 from the casing, and the shackle is free to be re-

moved from the staple or other device to which it may be secured. The cover can also be swung outward by placing a finger in an aperture 24 formed therein and pressing upon the plate 11 and at the same time grasping a lug 25, extending from the bottom of the cover, and swinging it outward.

Having thus fully described the invention, what is claimed as new is—

10 1. The combination with a body, of a shackle, means for securing the shackle in locked position, a pintle mounted within the body, an operating-arm secured to the pintle, and a seal preventing access to the arm
15 whereby it is necessary to destroy the seal to release the shackle.

2. The combination with a body, of a recessed shackle, a spring-clip adapted to engage the recess and secure the shackle in the
20 body, a face to the body having a slot adapted to be closed by a seal, a revoluble pintle in the body and extending into the clip, and a lateral arm to the pintle in rear of the seal and slot and adapted to swing therethrough,
25 thereby rotating the pintle and removing the clip from engagement with the shackle.

3. The combination with a body, of a slotted plate therein, a slotted cover hinged to the body and adapted to clamp a seal over the
30 slot in the plate, a shackle adapted to extend through the cover and into the body, a spring-clip adapted to engage the shackle, a pintle in the body adapted, when revolved, to disengage the clip from the shackle, and an operating-arm to the pintle in rear of the slots
35 and seal.

4. The combination with a body, of a shackle, a plate situated within the body, means carried by the plate to secure the
40 shackle in locked position, a pintle mounted upon the plate and adapted to unseat the shackle-securing means, operating means secured to the pintle, and a seal preventing access to the operating means whereby it is
45 necessary to destroy the seal to release the lock.

5. The combination with a body, of a shackle, a plate situated within the body, means carried by the plate to secure the
50 shackle in locked position, a pintle mounted upon the plate and adapted to unseat the shackle-securing means, an operating-arm secured to the pintle, and a seal preventing access to the arm whereby it is necessary to de-
55 stroy the seal to release the shackle.

6. The combination with a casing provided with a cylinder and openings alining there-
with, of a cover provided with alining cylin-
ders, a lug adapted to extend through one of
60 the openings into one of the cover-cylinders, a shackle having one member thereof extend-
ing through the other opening into the re-
maining cover-cylinder, means carried by the
cylinders to retain the shackle normally pro-
65 jected, means for securing the shackle in locked position, a pintle mounted within the
body to unseat the shackle-securing means,
operating means secured to the pintle, and a
seal preventing access to the operating means
70 whereby it is necessary to destroy the seal to release the lock.

7. The combination with a casing provided with a cylinder, of a cover provided with alin-
ing cylinders, means for engaging the casing
and cover-cylinders to hingedly secure the
75 cover thereto, a shackle, means carried by the cylinders to retain the shackle normally
projected, means for securing the shackle in
locked position, a pintle mounted within the
body to unseat the shackle-securing means, 80
operating means secured to the pintle, and a
seal preventing access to the operating means
whereby it is necessary to destroy the seal to
release the shackle.

In testimony whereof we affix our signa- 85
tures in presence of two witnesses.

CHARLES FRED THYBERG.
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Witnesses:

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