

I. C. STRABLEY.  
COIN CONTROLLED LOCK.  
APPLICATION FILED SEPT. 8, 1909.

969,000.

Patented Aug. 30, 1910.

2 SHEETS—SHEET 1.

Fig 1

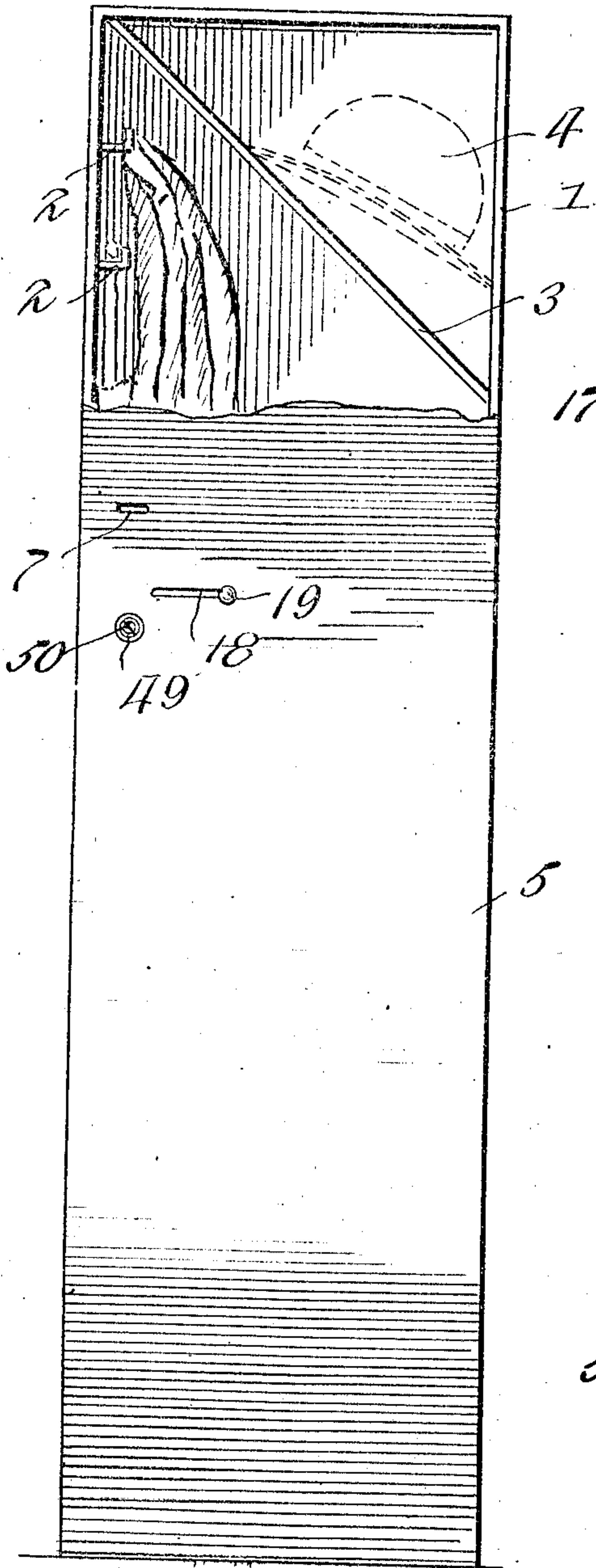


Fig. 2.

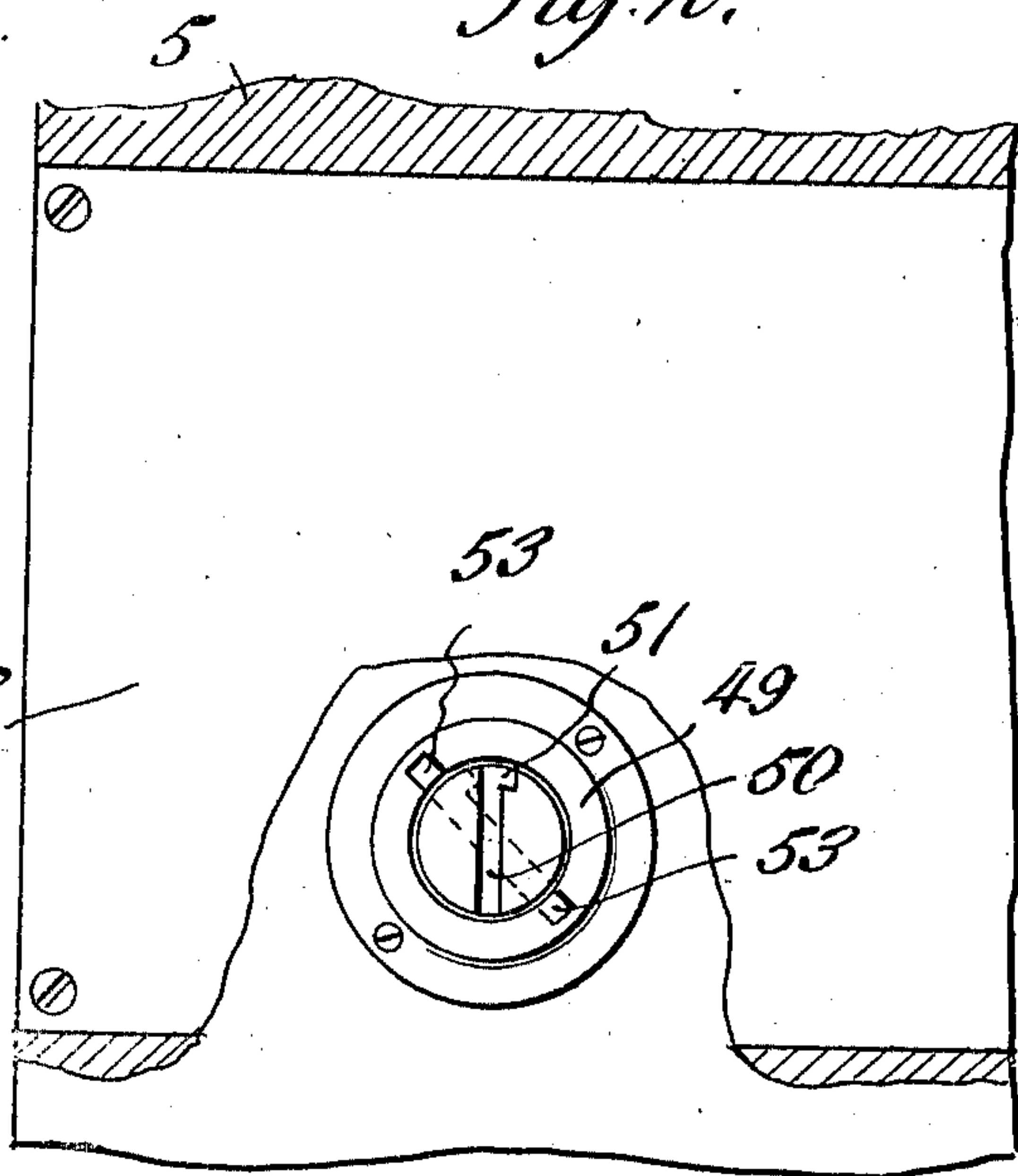
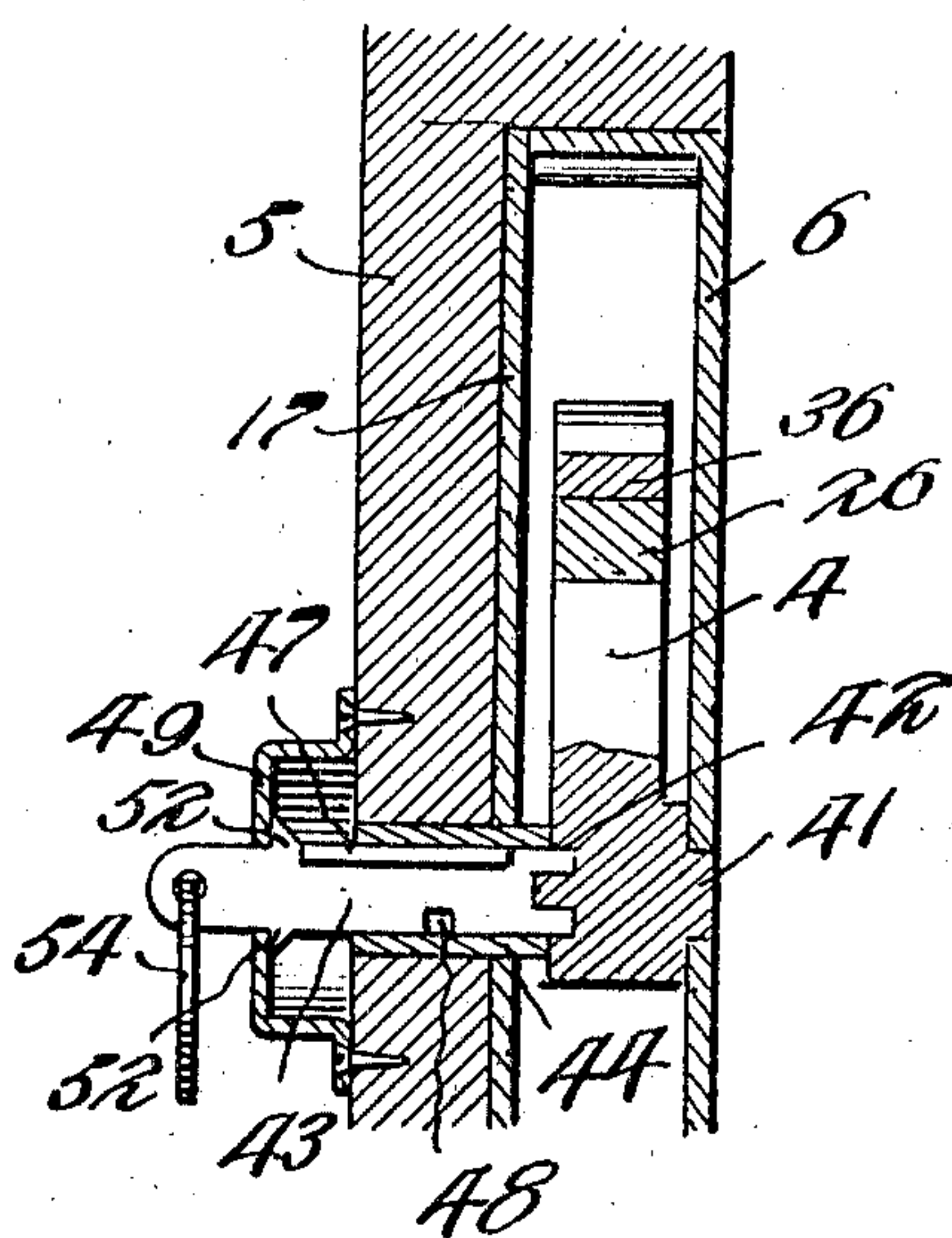


Fig 3.



Witnesses

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2 SHEETS—SHEET 2.

Fig 4.

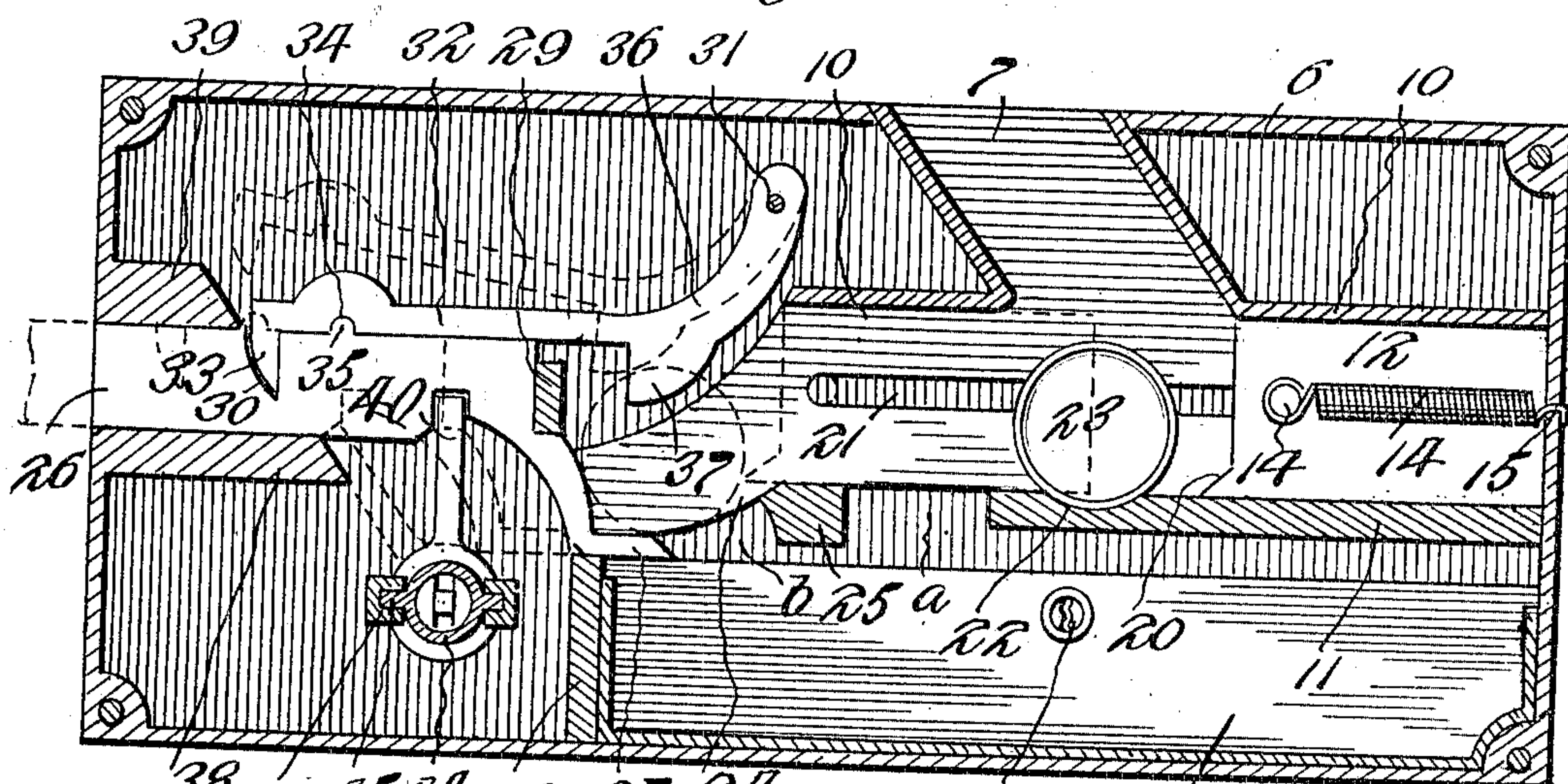
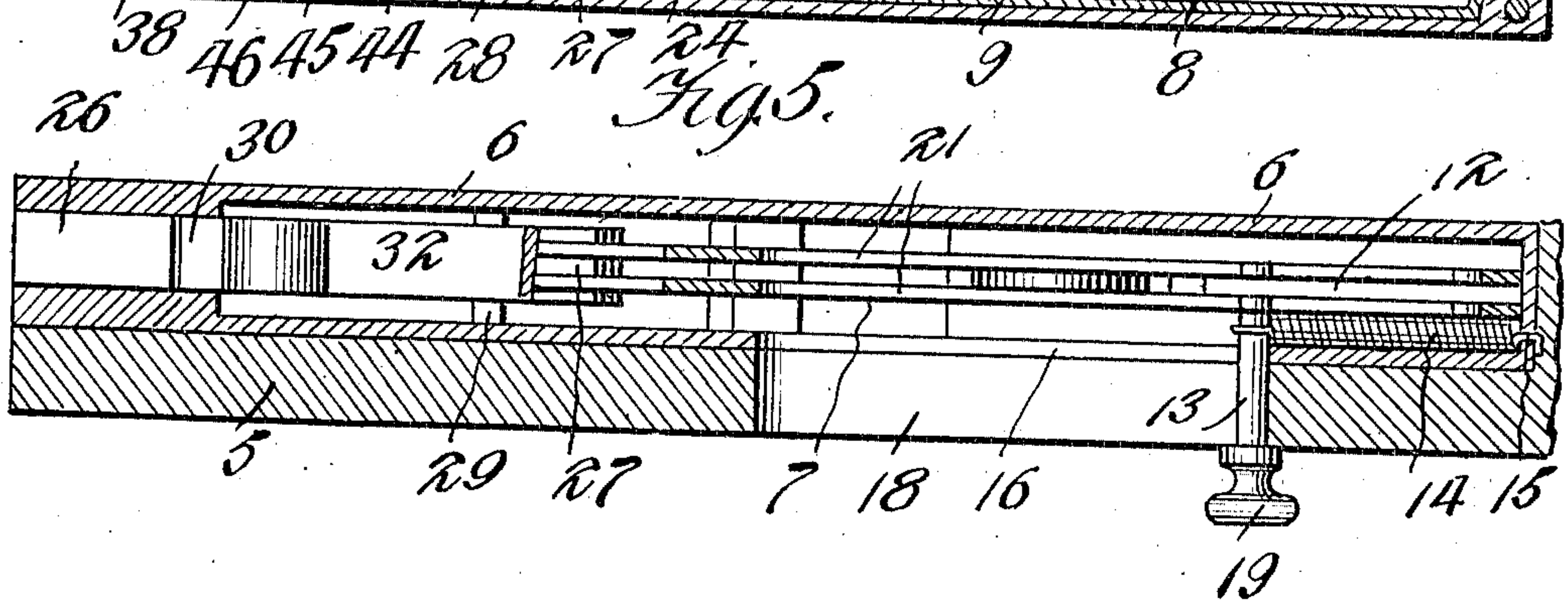


Fig 5.



Witnesses

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# UNITED STATES PATENT OFFICE.

IRA C. STRABLEY, OF IOWA CITY, IOWA.

## COIN-CONTROLLED LOCK.

969,000.

Specification of Letters Patent.

Patented Aug. 30, 1910.

Application filed September 8, 1909. Serial No. 516,668.

*To all whom it may concern:*

Be it known that I, IRA C. STRABLEY, a citizen of the United States of America, residing at Iowa City, in the county of Johnson and State of Iowa, have invented new and useful Improvements in Coin-Controlled Locks, of which the following is a specification.

This invention relates to coin-controlled locks, and one of the principal objects of the invention is to provide a lock to be used upon a cabinet or locker for containing clothing or other articles, said cabinet or locker designed to be located in some public place like a hotel, restaurant or club house where it is desirable to store certain articles until the owner can return and gain access to the cabinet.

Another object of the invention is to provide a simple lock for use on garment cabinets, said lock being rendered operable by means of a coin deposited in a coin chute, means being provided for discharging a coin of smaller size than the one intended to operate the lock into a coin box without permitting the lock to be operated.

Another object of the invention is to provide a coin-controlled lock in which means are provided for retaining the key within the lock when the sliding bolt is retracted within the lock casing.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which,—

Figure 1 is a front elevation of a cabinet or locker to which my coin-controlled lock is connected, said cabinet having its upper front portion broken away to illustrate the interior thereof. Fig. 2 is a detail view on an enlarged scale, illustrating the key-hole plate or escutcheon and the front plate of the lock, portions of the door being broken away to illustrate the same. Fig. 3 is a vertical section taken through the lock and showing the key in place in said lock. Fig. 4 is a longitudinal section through the lock casing and illustrating the lock mechanism in elevation. Fig. 5 is a horizontal sectional view of the lock and the door to which it is secured.

Referring to the drawings, the numeral 1 designates a cabinet or locker designed preferably for containing the wearing apparel or other articles for personal use, said cabinet being provided with suitable hooks 2 and an inclined rack 3 for supporting hats

4 or other articles. The door 5 of the cabinet is hinged at one side and provided with a lock made in accordance with my invention, said lock comprising a casing 6 having an inclined coin chute leading thereto. In the bottom of the casing is a coin receptacle 8 provided with a suitable lock 9. The coin chute 7 is provided with guide members 10 and a suitable base portion 11. Mounted upon the base portion 11 is a slide 12. Connected to a stud 13 on the slide 12 is a spring 14, the opposite end 15 of said spring being attached to the lock casing 6. Extending from the stud 13 is a shank which passes through a slot 16 in the face plate 17 of the lock casing and through a registering slot 18 in the door 5, said shank having a knob 19 on the outer end thereof for operating the slide 12 against the tension of the spring 14. On the inner end of the slide 12 is a lug or finger 20. The stud 13 also projects through a slot 21 in the body portion of the coin chute. In the top of the base portion 11 immediately under the coin chute 7 is a concaved recess 22 designed to initially receive a coin or check 23 deposited in the chute. The front ends of the guideway are downwardly curved, as at 24, and a cross piece 25 extends across the casing under the guideway.

The sliding bolt 26 of the lock is provided with a foot 27 which rests upon a partition 28. A stop bar 29 extends across the casing, and the inner end of the bolt 26 is provided with a shoulder which normally fits against said stop when the bolt is retracted. In the upper surface of the bolt 26 is a curved recess 30. Pivotaly mounted at 31 in the casing is a latch 32 having a curved finger 33 at one end which normally fits into the recess 30 of the bolt 26. The latch 32 is provided with a curved recess 34 to fit a lug 35 on the top of the bolt 26. The latch at its inner end is curved upwardly, as at 36, and upon the underside of the curved portion is a depending lip 37. The bolt 26 is provided with guide members 38 and 39, said members being beveled on their inner ends to form stops for the latch member 32 and for the operating tongue 40, said operating tongue being pivotaly mounted in the casing at 41 and provided with recess 42 to accommodate a key 43, as shown in Fig. 3. Mounted in the casing is a tubular key guide 44 having laterally projecting fins 45 secured in keepers 46 in



the casing. The key 43 is provided with a lug 47, and within the tube 44 is a projection 48 designed to fit within a groove in the key 43. This lug may be located at various points in the tube 44, and the key may be provided with a recess at the proper point to engage said projection, thus providing means for changing the lock so that only its own key will operate the mechanism.

10 The key-hole plate 49 is connected to the door and is provided with a key-hole 50, said key-hole having a lateral branch 51 to accommodate the lug 47. Oppositely disposed ears 52 on the key engage the rear wall of the plate 49 when the bolt 26 is retracted within the casing. The lock plate 49 is provided with notches 53 which will permit the ears 52 to pass out when the bolt 26 is projected. The key may have a tag 54 connected thereto, said tag serving as a ring to operate the key.

The operation of my invention may be briefly described as follows: When a coin or check 23 is deposited in the chute 7 it drops upon the support 11 and into the concaved recess 22. The slide 12 is then operated by means of the knob 19. Should the coin be smaller than the one for which the lock is intended the coin will drop through the opening *a* into the coin box 8. Should it, however, be of proper size the coin will be pushed forward by the slide 12 until it passes underneath the lip 37 to raise the latch 32 to the dotted line position shown in Fig. 4. The key 52 is then turned in the lock to project the bolt 26, after which the key may be removed from the lock. The coin 23 drops through an opening *b* into the coin box 8 after the bolt has been projected.

From the foregoing it will be obvious that the lock may be provided with any suitable size of coin slot, depending upon the denomination of the coin for which the lock is designed.

I claim:—

1. In a device of the character described, a wardrobe cabinet provided with a door, a coin controlled lock connected to the door, said lock comprising a casing, a coin chute, a coin support, a horizontally movable slide for moving the coin, a locking bolt arranged in advance of the slide, a latch normally engaging said locking bolt and having a depending lip arranged to be engaged by the moving coin to elevate and retract said latch, a key, an operating tongue actuated by the key, and means whereby the key is held within the lock until after the bolt has been projected.

2. In a coin controlled lock, a horizontally sliding bolt, a coin chute having a horizontal guideway in line with the bolt, a vertically swinging latch for locking the bolt against movement, said latch being arranged to engage the upper edge of the bolt and provided in rear of the bolt with a depending lip, means for operating the bolt upon its release by the latch, a slide within the guideway for moving the inserted coin into contact with the lip of the latch, whereby the latter is adapted to be elevated and retracted, means for actuating the slide, and means for returning the same to normal position.

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

IRA C. STRABLEY.

Witnesses:

GEO. W. BALL,  
EDITH A. LLOYD.