

No. 768,470.

PATENTED AUG. 23, 1904.

L. LINVILLE.
REGISTER.

APPLICATION FILED MAR. 29, 1904.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

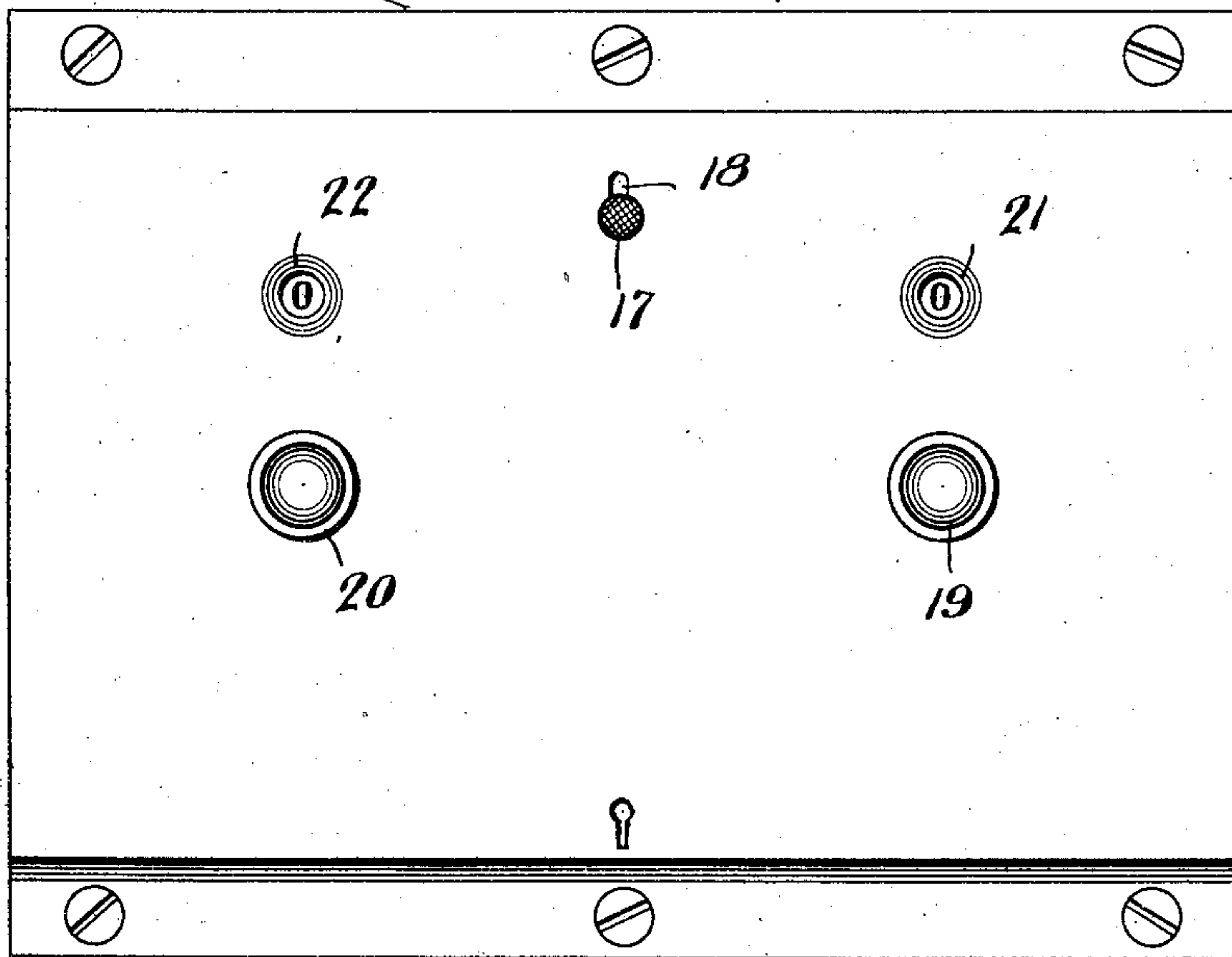


Fig. 2.

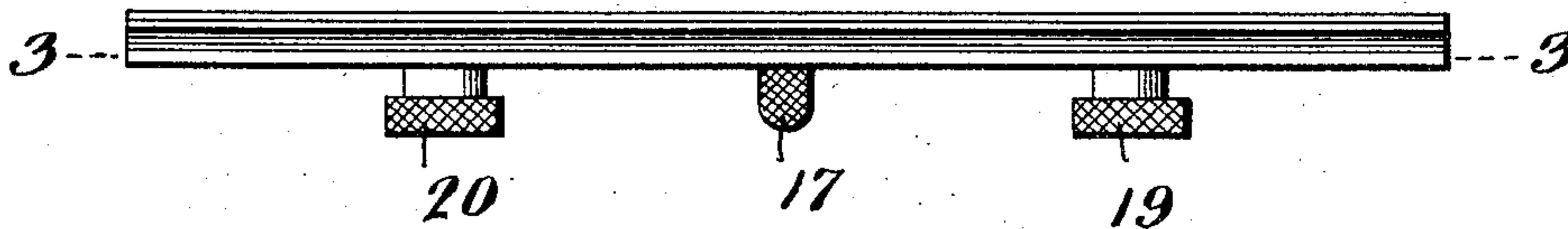
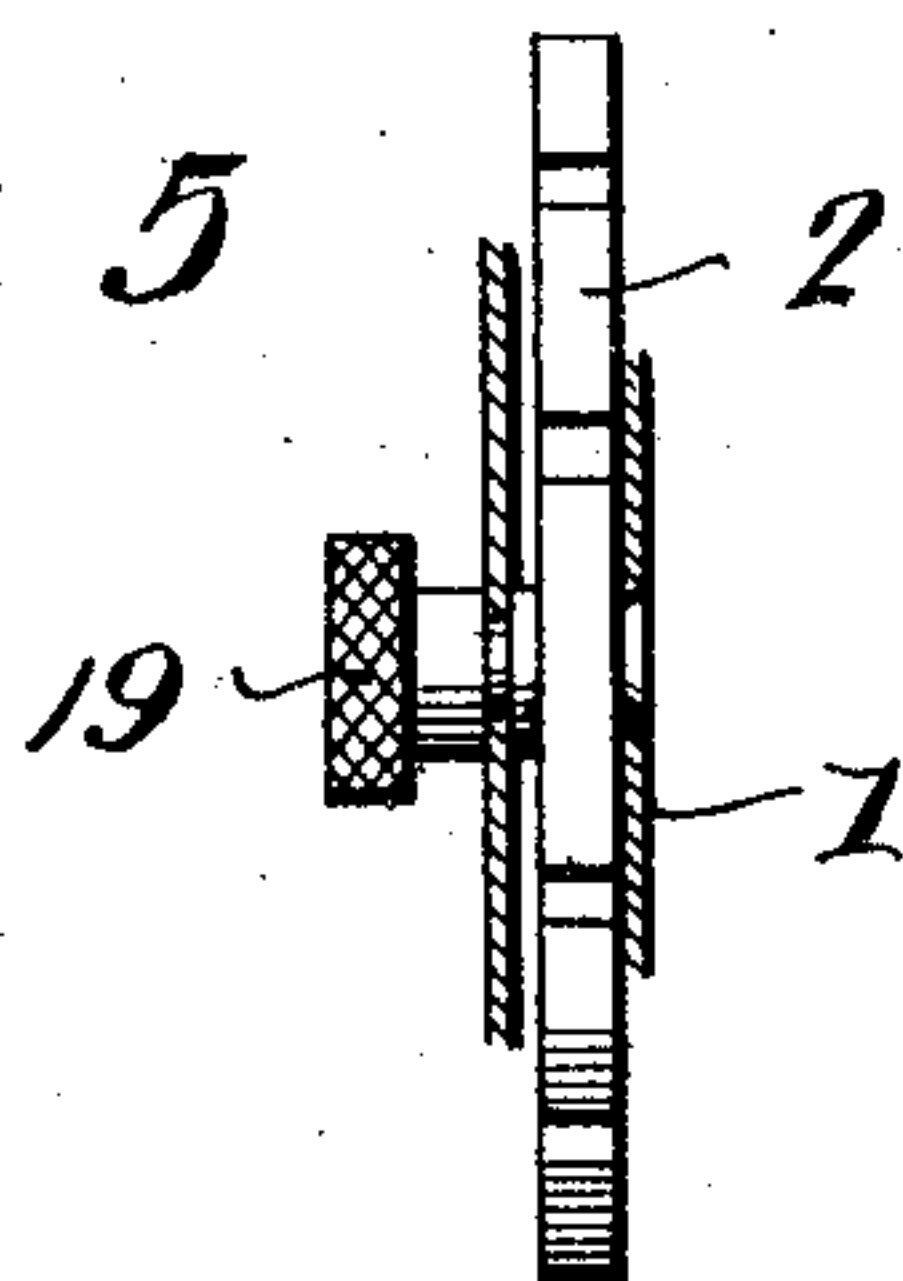


Fig. 5.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

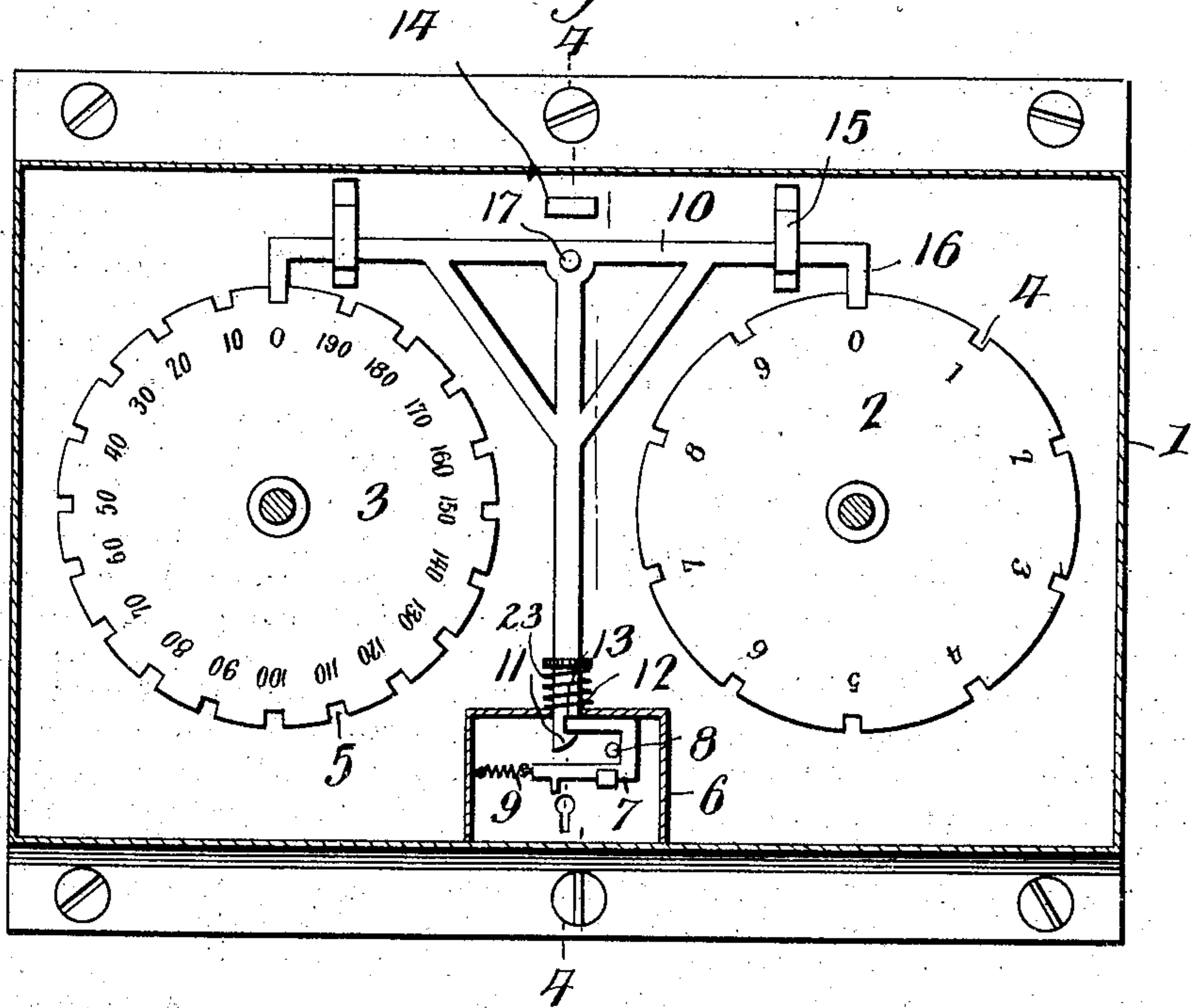
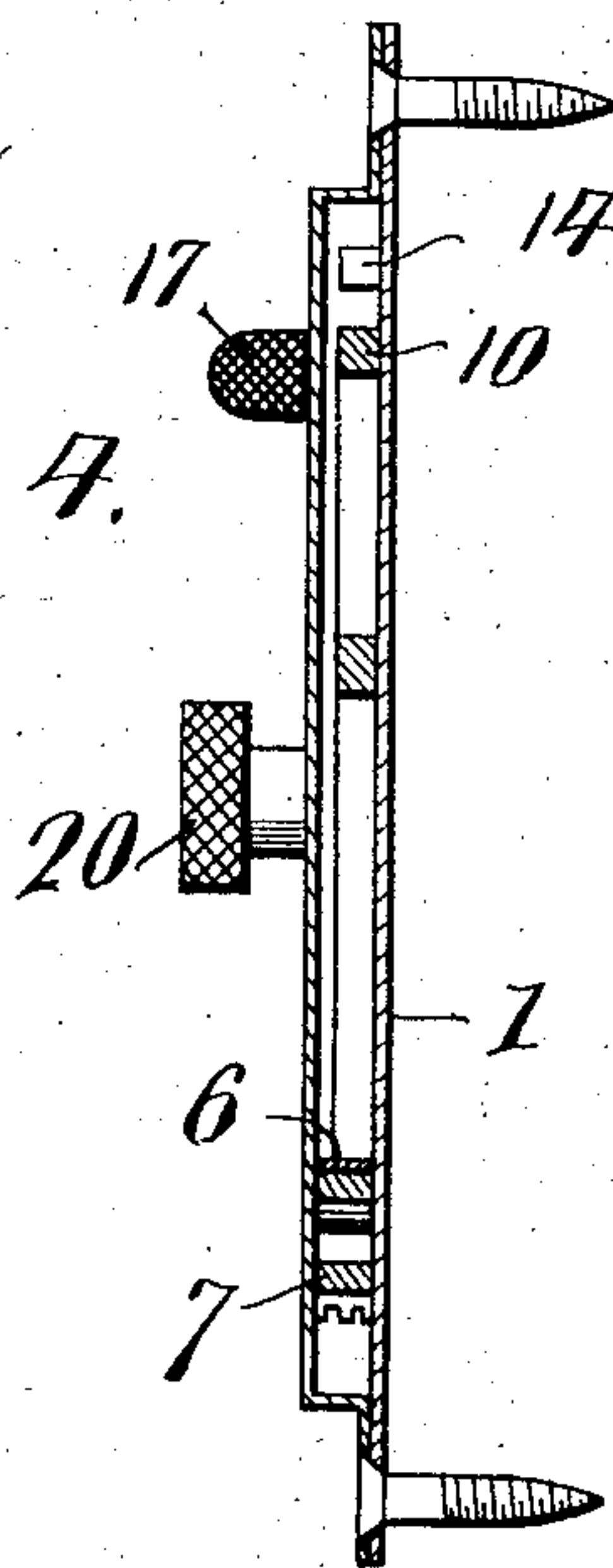


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

LOGAN LINVILLE, OF RIVERSIDE, WEST VIRGINIA, ASSIGNOR OF ONE-HALF TO WALTER W. STRAUGHN, OF RIVERSIDE, WEST VIRGINIA.

REGISTER.

SPECIFICATION forming part of Letters Patent No. 768,470, dated August 23, 1904.

Application filed March 29, 1904. Serial No. 200,596. (No model.)

To all whom it may concern:

Be it known that I, LOGAN LINVILLE, a citizen of the United States, residing at Riverside, in the county of Kanawha and State of West Virginia, have invented new and useful Improvements in Registers, of which the following is a specification.

My invention relates to new and useful improvements in registers; and its object is to provide a device for use upon cars in mines whereby the number of a miner can be indicated upon the car after the same has been filled by him and said number remain unchangeable and permanently affixed to the car until the same has reached the weighman.

Heretofore it has been customary to issue to miners tags bearing the number by which they are designated, and subsequent to the loading of a car a miner in charge of the same places one of his tags upon it. Great inconvenience has resulted, however, in view of the fact that these tags are often lost or stolen and tags placed thereon by other miners.

My invention, however, consists of a register which is adapted to be permanently secured to a mine-car and which is provided with dials having numbers thereon. These dials are adapted to be rotated until the number of the proper miner is indicated thereby, and they can then be locked against further movement and can only be released by the weighman to whom the loaded car is delivered.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a front elevation of the register. Fig. 2 is a top plan view thereof. Fig. 3 is a section on line 3 3, Fig. 2. Fig. 4 is a section on line 4 4, Fig. 3; and Fig. 5 is a side elevation of one of the dials and its knob.

Referring to the figures by numerals of reference, 1 is a casing adapted to be bolted or otherwise secured to the side of a car, and arranged within this casing, adjacent opposite ends thereof, are dials 2 and 3, each of which

is provided in its periphery with notches 4 and 5, respectively, said notches being spaced apart suitable distances. Arranged adjacent each notch on the dial 2 are numerals ranging from "0" to "9," and on the dial 3 adjacent the notches 5 are numerals ranging, preferably, from "0" to "190," said numerals increasing by ten. A lock-casing 6 is located within casing 1 at the lower edge thereof and equidistant between the dials 2 and 3, and within this casing is mounted a laterally-movable tumbler 7, which is substantially U-shaped in form and is held normally in position against a stop 8 by means of a coiled spring 9. A T-shaped locking-strip is slidably mounted between the dials 2 and 3 and has its lower end beveled, as shown at 11, and projecting into an aperture 12 in the top of casing 6. This beveled end 11 has a notch 13 in one side, which is adapted to receive the tumbler 7. A stop 14 is arranged above the locking-slide for limiting its movement in one direction, and guide-brackets 15 extend over the upper portion of the locking-strip. Depending lugs 16 extend downward from the upper ends of the locking-strip 10 and normally bear upon the peripheries of dials 2 and 3 and are adapted to drop into engagement with the notches therein. A knob 17 extends from the locking-strip and through a slot 18 in the front of casing 1, and rotary knobs 19 and 20 are secured to and rotate with the dials 2 and 3, respectively, and extend from the front face of casing 1. Apertures 21 and 22 are formed within the front of casing 1 and opposite the upper portions of the dials 2 and 3.

As hereinbefore stated, the casing 1 is adapted to be secured to a car, and the locking-strip 10 normally rests upon the spring-pressed tumbler 7 with the lugs 16 removed from the notches 4 and 5. When the car arrives at the proper point within the mine, the miner to whom it has been assigned rotates the dials 2 and 3 by means of the knobs 19 and 20 until the numerals appearing within the apertures 21 and 22 indicate his number. The knob 17 is then drawn downward with sufficient force to cause the beveled end 11 of strip

10 to press the tumbler 7 laterally. Lugs 16 will move into engagement with the notches thereunder, and simultaneously with such movement tumbler 7 will spring into engagement with notch 13. The number indicated by the register cannot, therefore, be changed except by the insertion of a suitable key into the lock-casing 6. A spring 23 is employed for supporting the locking-strip 10 and for raising it automatically when the same is released from tumbler 7.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. In a device of the character described, the combination with a casing having a notched dial revolubly mounted therein, and means for rotating the dial; of a slidable locking-strip normally bearing upon the periphery of the dial, means for moving the strip into engagement with one of the notches, and means for automatically locking the strip in engagement with the dial and preventing its removal therefrom.

2. In a device of the character described, the combination with dials having notches in the peripheries thereof, and means for rotating the dials; of a slidable locking-strip adapted to simultaneously engage a notch in each dial, means for operating the strip, and a lock for automatically securing the strip in engagement with the dials and preventing its removal therefrom.

3. In a device of the character described, the combination with a casing having dials revolubly mounted therein and provided with

notches in their peripheries; of a slidable locking-strip within the casing and adapted to simultaneously engage a notch in each dial, means for operating said strip, and a spring-controlled tumbler for automatically locking the strip against movement while engaging the dials.

4. In a device of the character described, the combination with a casing having revoluble notched dials therein, and means for rotating the dials; of a spring-supported slidable locking-strip adapted to simultaneously engage one notch in each dial, means for operating the locking-strip, and a spring-pressed tumbler for automatically locking the strip against movement when engaging the dial.

5. In a device of the character described, the combination with a casing having notched dials revolubly mounted therein, and means for rotating the dials; of a spring-supported slidable locking-strip slidably mounted within the casing and having a notch therein, lugs thereon for engaging notches in the dials, and a spring-pressed tumbler for automatically engaging the notch in the strip for locking the lugs in engagement with the dials.

6. In a device of the character described, the combination with a casing having notched dials revolubly mounted therein, and means for rotating the dials; of a spring-supported notched T-shaped locking-strip slidably mounted within the casing, lugs thereon for engaging the dials, a knob upon the locking-strip, and a spring-pressed tumbler for automatically engaging the notch in the locking-strip.

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

LOGAN LINVILLE.

Witnesses:

S. P. KENNEDY,
W. B. TATUM.