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PATENTED AUG. 14, 1906.

W. B. BARTRAM.

COIN CONTROLLED APPARATUS FOR MEASURING THE HEIGHTS OF PERSONS

APPLICATION FILED JULY 28, 1905.

Fig. 1.

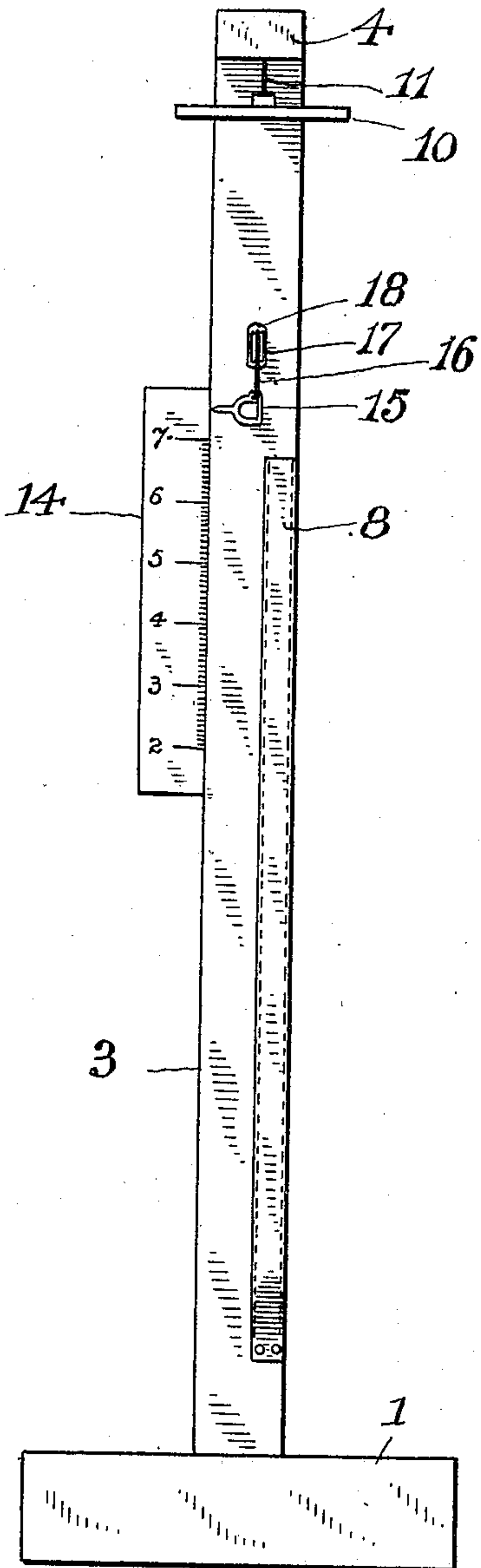
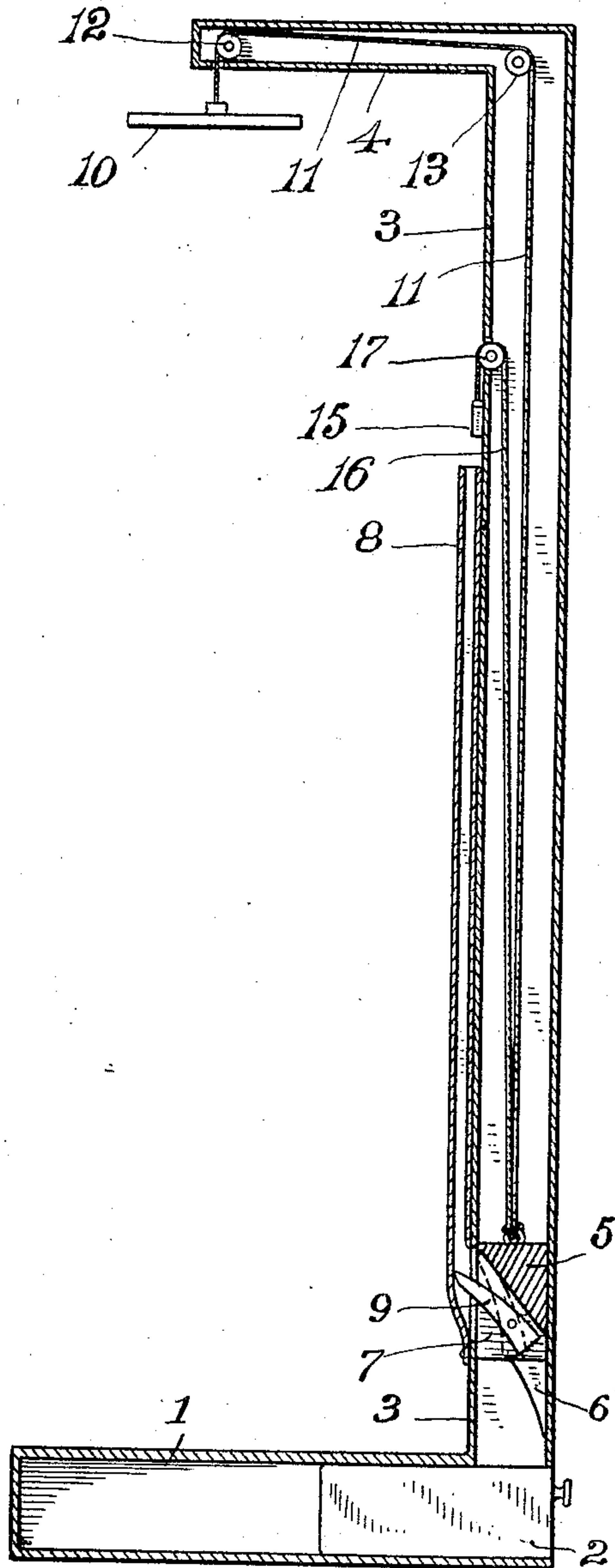


Fig. 2.



WITNESSES

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COIN-CONTROLLED APPARATUS FOR MEASURING THE HEIGHTS OF PERSONS.

No. 828,593.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed July 28, 1905. Serial No. 271,638.

To all whom it may concern:

Be it known that I, WALKER B. BARTRAM, a citizen of the United States, residing at Cannon, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Coin-Controlled Apparatus for Measuring the Heights of Persons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to coin-controlled apparatus for measuring the heights of persons; and it consists in the novel arrangements and combinations of parts hereinafter fully set forth and then specifically pointed out in the claims which conclude this application.

Referring to the accompanying drawings, Figure 1 is a front elevation of my improvement, and Fig. 2 a sectional side elevation thereof.

Similar numbers of reference denote like parts in both figures of the drawings.

1 is a platform, preferably hollow and made of metal, and 2 is a drawer within the rear of this platform, which drawer serves as a coin-receptacle. Rising from the rear of the platform is a hollow standard 3, which leads at its lower end directly into the drawer 2 and which terminates at its upper end in an arm 4, that overhangs the platform 1. 5 is an overpoise adapted to slide freely within this standard and normally resting at the lower end of the latter upon a ledge 6, secured to said standard. This overpoise is cut away, so as to provide a recess 7, which opens out through the bottom of the weight and is a little wider than the diameter of the coin used.

8 is the coin-chute, secured in any suitable manner to the standard and having its lower end leading directly into the recessed portion of the overpoise.

9 is a trip pivoted within the recess 7 and adapted by gravity to normally swing across the lower end of the chute, as shown in solid lines at Fig. 2.

10 is a disk immediately beneath the arm 4 and connected, by means of a suitable cord 11 over pulleys 12 13, to the overpoise, the weight of which latter is slightly greater than the weight of the disk, so that said overpoise will act to normally elevate said disk.

14 is any suitable scale secured to the standard. 15 is an index-finger depending

outside the standard and pointing toward said scale, said finger being connected to the overpoise by means of a suitable cord 16, passed over a pulley 17 in an opening 18 through the face of the standard.

The operation of my improvement is as follows: A person stands upon the platform and drops a coin into the chute. This coin will pass into the recess 7 directly upon the trip 9, and the weight of the coin will cause said trip to swing inwardly to the position shown in dotted lines in Fig. 2, where it is wholly inclosed within the standard, and the coin will then rest upon the ledge 6. The index-finger is then pulled down, thereby elevating the overpoise and lowering the disk until the latter strikes against the person's head, at which time the index-finger will be pointing to the exact height of a person as indicated on the scale. When the index-finger is released, the overpoise will descend and the several parts will be returned to normal position. After a coin has been dropped into the chute and the index-finger pulled down the coin will drop into the drawer 2, when the overpoise is elevated. The trip in its normal position serves as a stop to prevent the operation of the apparatus until the coin is used as above set forth.

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

1. In a device of the character described, the combination of the platform, a coin-receptacle contained therein, the hollow standard rising from said platform immediately above said receptacle and having at the upper end an arm which overhangs said platform, the scale secured to said standard, the recessed overpoise capable of sliding freely within said standard, the cord secured at its lower end to said overpoise and thence extending upwardly within the standard and laterally over suitable guides and depending from said arm, the disk secured to the upper end of said cord, a suitable guide supported by said standard, a second cord secured to said overpoise and leading upward within the standard and extending over said guide out through the face of said standard, the index-finger secured to the upper end of this last-mentioned cord and depending against the outer face of said standard and pointing toward said scale, the coin-chute secured to said standard and leading at the bottom into the recessed portion of said overpoise, the

trip pivoted within said recessed portion and adapted normally to swing across the lower end of said chute, and the ledge extending from said standard and affording a support
5 for said overpoise.

2. The combination of the platform, a coin-receptacle contained therein, the hollow standard rising from said platform immediately above said receptacle and having at the
10 upper end an arm which overhangs said platform, the recessed overpoise capable of sliding freely within said standard, the disk immediately below said arm, the index-finger depending against the outer face of the stand-
15 ard, independent flexible connections between the overpoise and disk and between the overpoise and index-finger whereby said

disk and finger are held in suspension while the finger may be operated to elevate or lower the overpoise and thereby effect a cor- 20
responding lowering and elevation of said disk, the ledge at the bottom of the standard upon which the overpoise is normally supported, the coin-chute whose lower end leads into the recess in said overpoise, and the trip 25
pivoted within said recess and adapted to normally swing by gravity across the opening in the lower end of the chute.

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

WALKER B. BARTRAM.

Witnesses:

CHARLES T. PEACH,
LUCIUS H. HOYT.