

(No Model.)

E. BALDWIN.
FARE RECORDER.

No. 323,553.

Patented Aug. 4, 1885.

Fig. 1.

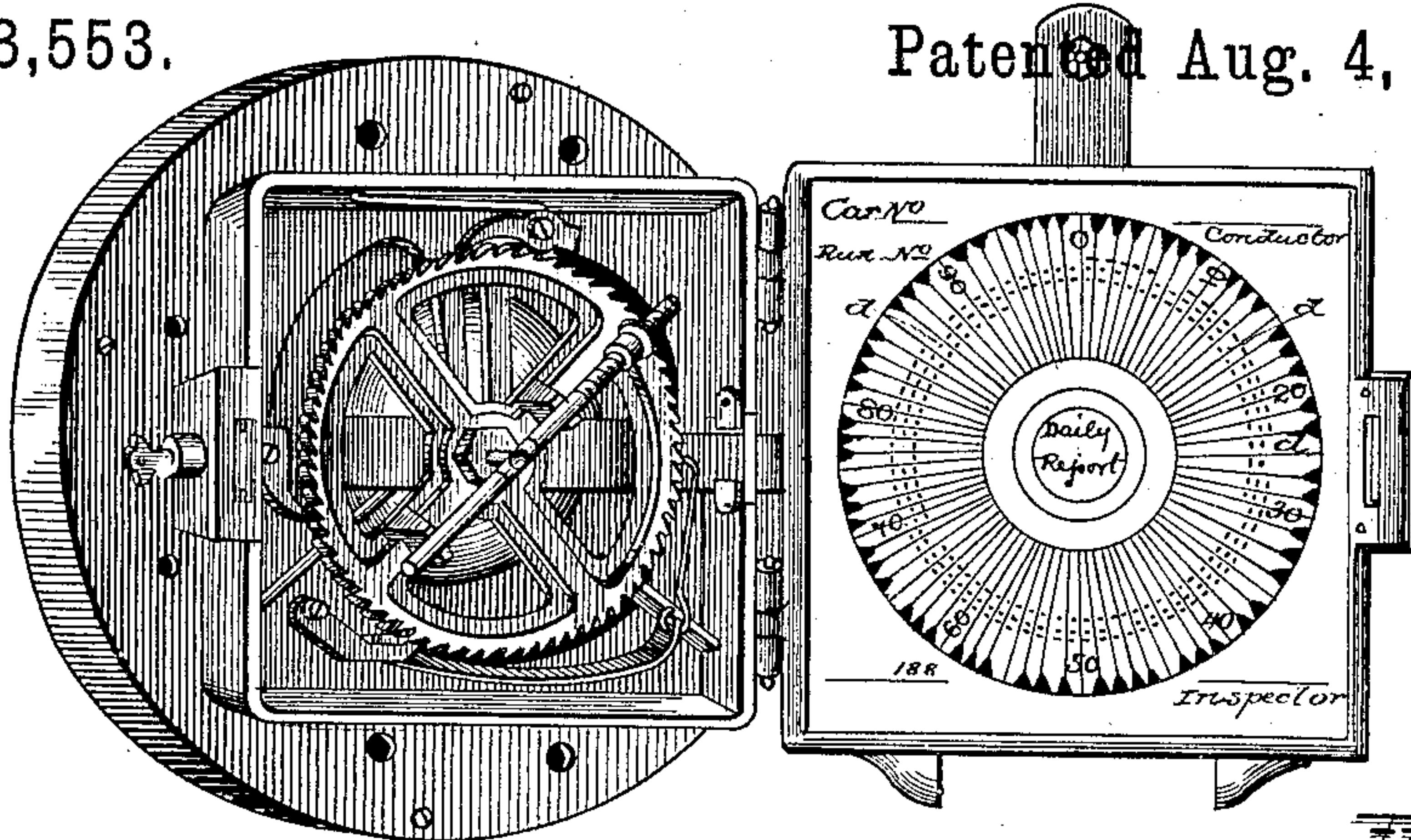


Fig. 3.

Fig. 2.

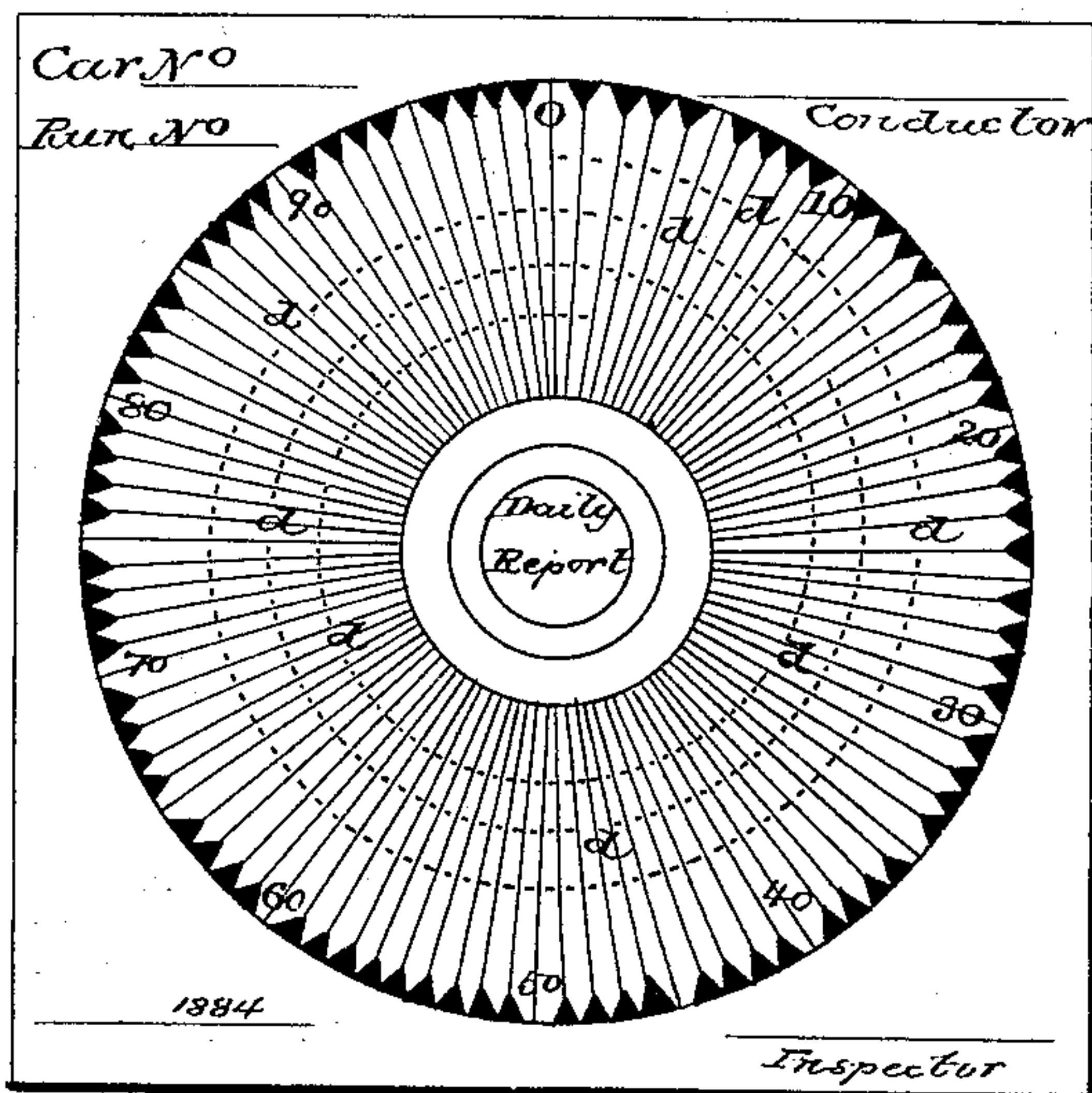
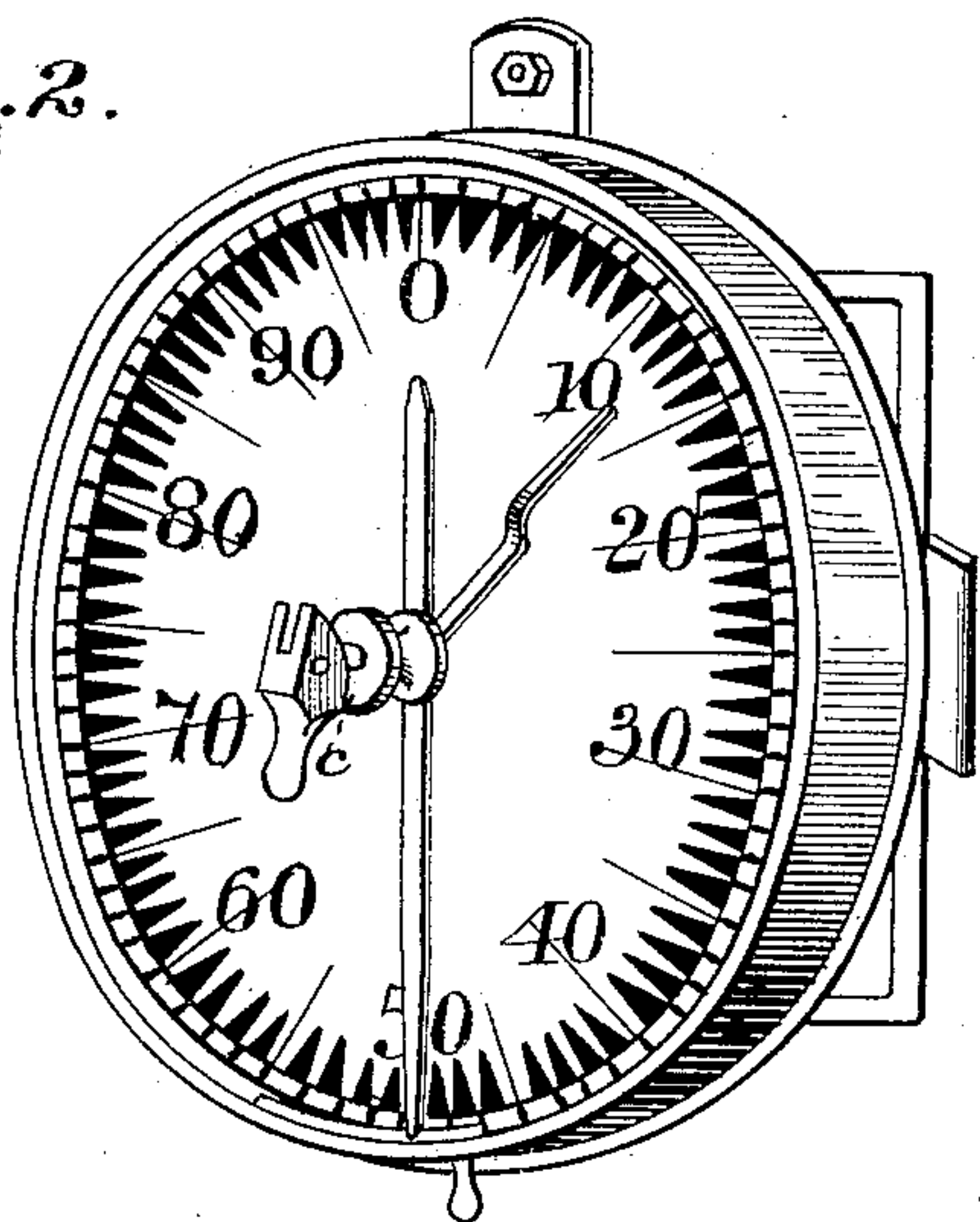
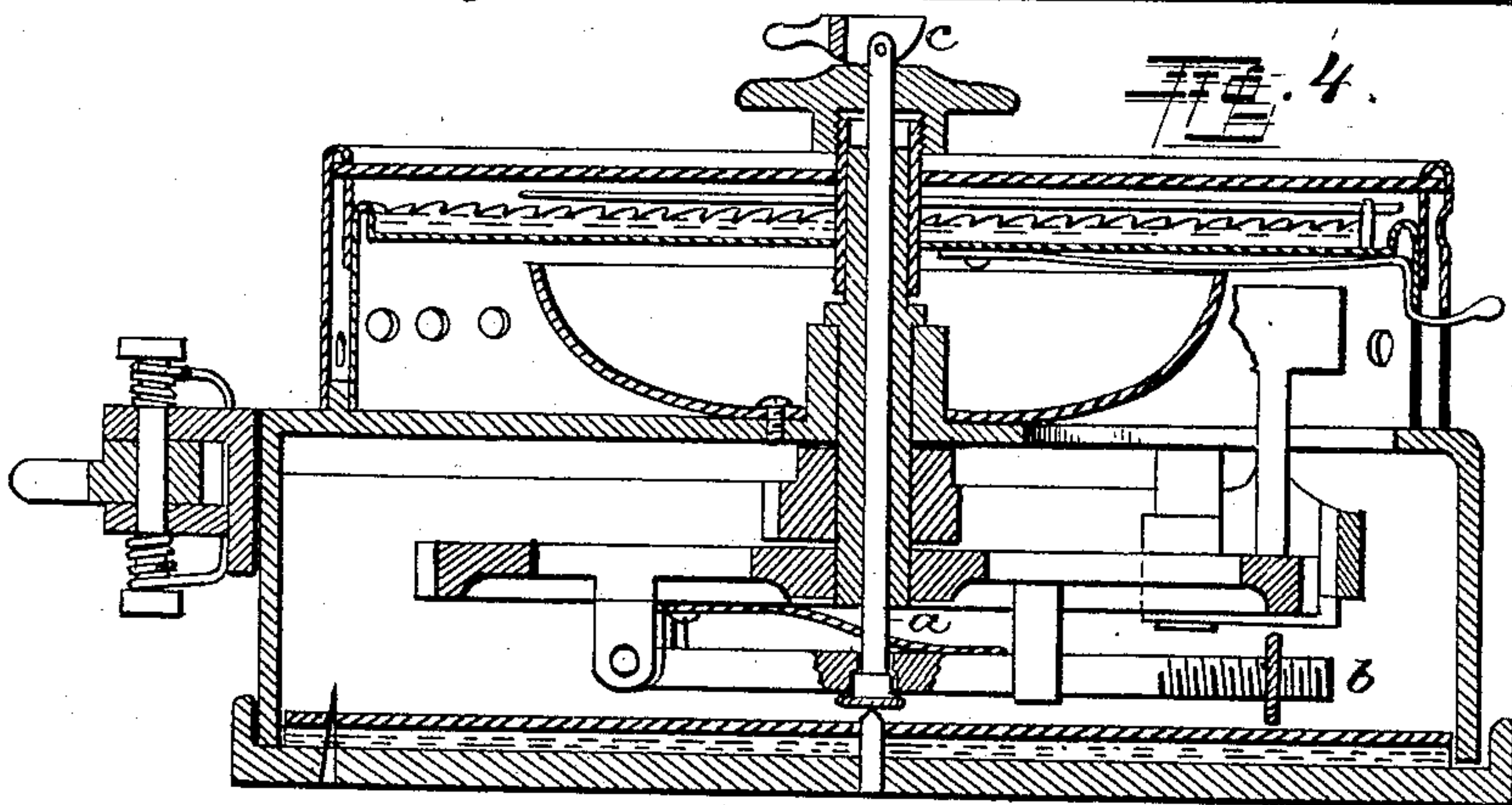


Fig. 4.



WITNESSES:

Wm. S. Dietrich
Joseph M. Crane

INVENTOR.

Eli Baldwin
by *J. D. Omer*
his ATTORNEY.

UNITED STATES PATENT OFFICE.

ELI BALDWIN, OF NEW YORK, N. Y.

FARE-RECORDER.

SPECIFICATION forming part of Letters Patent No. 323,553, dated August 4, 1885.

Application filed July 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, ELI BALDWIN, a citizen of the United States, residing in the city of New York, county of New York, and State of New York, have invented certain new and useful Improvements in Fare-Recording Registers, of which the following is a specification.

My invention relates to that class of registers adapted to record fares, by which a large number of actuations, fares, trips, and units may be indicated upon a dial tablet or ribbon of paper or other material adapted to receive impressions; and the principal object of my present invention is to control a marker in such manner that it may be lifted or moved at desired intervals from contact with the tablet or paper upon which registrations are to be made by the said marker, and by which means the operator may mark or impress upon said paper a consecutive number of units or fares made upon one trip, game, or otherwise, and then cause a break or space between such consecutive number and a new count or registration of numbers, the space indicating the end of a series of registrations, game, or trip, which are very important in recording instruments; and it consists in the combination, with registering apparatus provided with a removable tablet of paper or other suitable material adapted to receive marks or impressions, of a device connecting with a marker or the arm thereof, by which said marker may be lifted, as will be hereinafter more fully described, and pointed out in the drawings.

In order that others skilled in the art may make and use my invention, I will proceed to describe the same, referring by letters to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of the fare-recorder with the principal working parts exposed. Fig. 2 is a perspective view of the front of the recording-register. Fig. 3 represents a tablet provided with radial dotted lines, representing fares and trips recorded thereon. Fig. 4 is a sectional view of the recording-register in a line through the center, showing a connection, *a*, and cam-lever *c* for lifting the marker from contact with the paper tablet or dial.

I do not claim anything shown in the main combination of parts which constitute the re-

cording apparatus, as such are old and well understood; consequently I will explain more in detail those features which constitute my improvement. In the particular instance the rod *a* for connecting the marking-arm *b* with the cam-lever *c* is passed through an opening or hole through the center post, upon which is the indicator-hand with which the register in this case is provided, as shown in Fig. 4. The rod is hinged or jointed to the said cam-lever by passing through the marking-arm, as shown in Fig. 4, with a screw-nut to secure the proper connection of parts. It is obvious, however, that a pin may be driven through the end of the rod and serve in lieu of the nut; or the rod or connecting device may grasp or encircle or partially encircle the marking-arm in any manner whereby the proper connection may be secured between the marking-arm and the knob or lever for lifting or operating the marking device or the arm thereof.

This improvement is adapted for application to a variety of registers provided either with double or single registering mechanism, and in the particular instance it is represented as applied to a fare-register for use in railway-cars, of a kind and character similar to such as have been patented by Reuben M. Rose, in which a suitable combination of elements are set forth adapted to operate and serve as a recording-register.

The operation of my improvement is as follows: When a fare or unit is to be registered, the strap or lever which is generally present for the purpose is actuated by the operator, which in turn moves the mechanism within, which may consist of a visible dial with pointers and a paper dial for permanently recording each unit or fare, over or upon which paper dial the marking device is moved in such a manner as to mark or impress thereon said unit or fares, and which dial, so impressed or marked, may be read by counting the spaces between the radial lines with which the said dial may be provided; or, if without the radial lines, by applying a transparent reading-disk similar to that set forth in Letters Patent of the United States dated July 17, 1883, No. 281,301, &c., which space or line will indicate the number of fares or units recorded. When a trip, game, or other count is ended, and a record thereof desired before the commence-

ment of another, the operator has only to lift the marker from contact with the paper by lifting the cam-lever *c*, indirectly connecting with the marker, and make one or two actuations of the apparatus, and then allow the marker to again engage the paper or other material to be marked. By this means a space or blank will be indicated upon the dial or tablet similar to that shown at *d* in Figs. 1 and 3 of the drawings, which will indicate the end of trip, game, or count.

Having thus set forth my invention, what I claim as new, and desire to secure by Letters Patent of the United States of America, is—

1. The combination, with a registering apparatus, adapted to permanently indicate and record fares, units, or trips, consisting of a visual dial and a recording dial or tablet adapted to receive impressions, a marking device and an actuator for operating said parts, of a lifting device extending and operating through the central shaft or post, substantially as described, whereby the marking device may be lifted from contact with the said dial or re-

25 cording device adapted to receive impressions, substantially as and for the purpose set forth.

2. The combination, with a registering apparatus provided with a detachable strip, tablet, or dial of paper, or other material adapted to receive marks or impressions as a record, and means for actuating said parts, of a lever and connections extending through the center of shaft for moving the marker from contact with said tablet or dial, substantially as and for the purpose set forth.

3. In a recording-register for indicating actuations thereof, the combination, with a tablet of paper or similar materials adapted to receive impressions from a marking device with which said register is provided, of a cam-lever and intermediary connection for lifting the marker from contact with the tablet, substantially as and for the purpose set forth.

ELI BALDWIN.

Witnesses:

MANUEL M. COOKE,
JOSEPH M. CRANE.