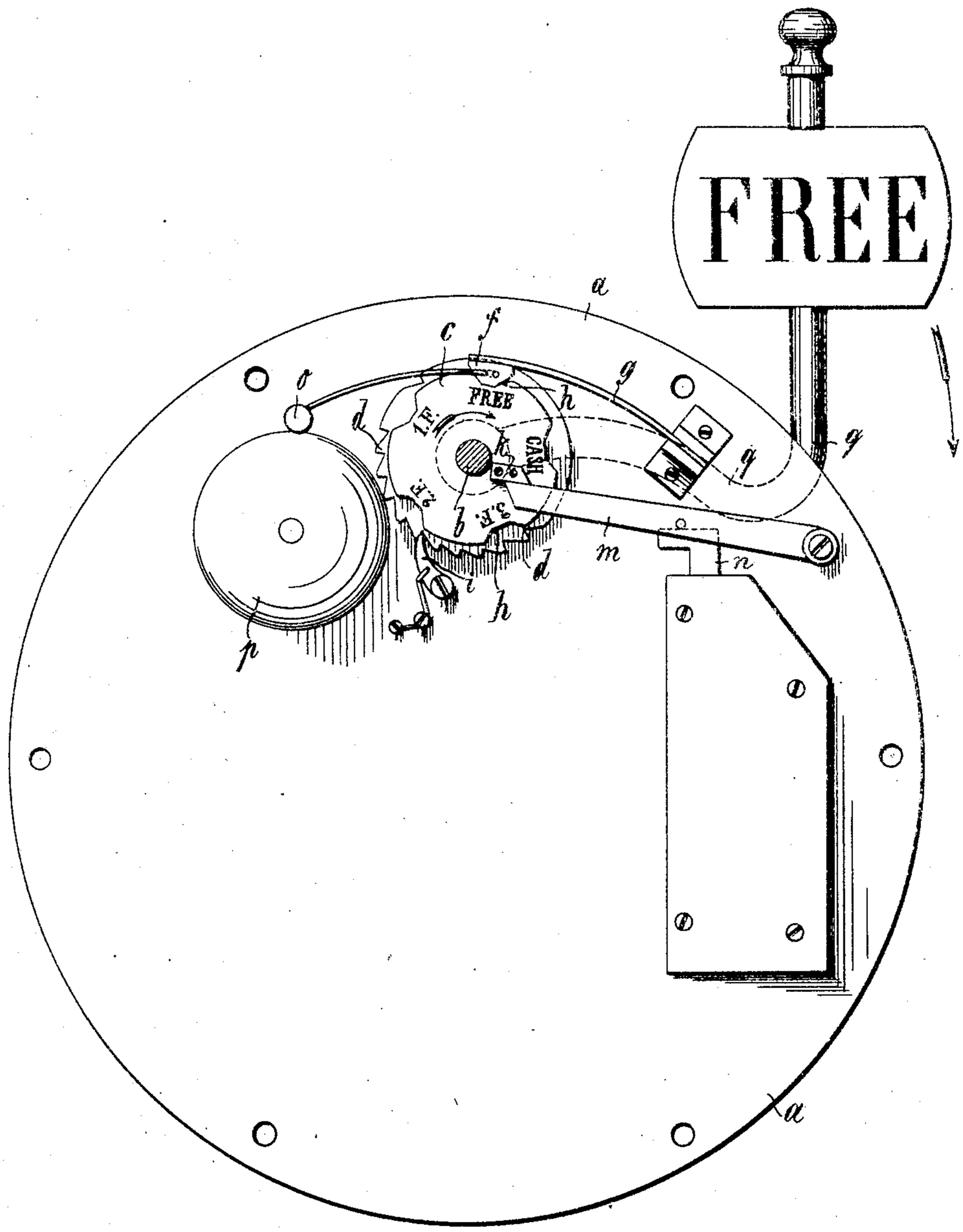
No. 777,697. PATENTED DEC. 20, 1904.

B. SCHNEIDER.

TAXIMETER OR FARE INDICATOR.

APPLICATION FILED JUNE 16, 1904.

NO MODEL.




Witnesses:
F. O. Parker
C. D. Kesler

Inventor
Berthold Schneider
By James L. Norris.
Attorney

No. 777,697. Patented December 20, 1904.

# UNITED STATES PATENT OFFICE.

BERTHOLD SCHNEIDER, OF BERLIN, GERMANY.

## TAXIMETER OR FARE-INDICATOR.

SPECIFICATION forming part of Letters Patent No. 777,697, dated December 20, 1904.

Application filed June 16, 1904. Serial No. 212,852.

*To all whom it may concern:*

Be it known that I, BERTHOLD SCHNEIDER, engineer, a citizen of the Empire of Germany, and a resident of 101 and 102 Bernauerstrasse, Berlin, Germany, have made certain new and useful Improvements in Taximeters or Fare-Indicators, of which the following is a specification.

This invention relates to a taximeter or fare-indicator which is distinguished from former ones in that the push-lever which serves to put in the apparatus for the different fares and for "Cash" and for "Free" is dispensed with, and the manipulation is now effected solely by the aid of the vane, which indicates whether the apparatus is in use or out of use. By this means a considerable simplification of the mechanism of the fare-indicator is obtained.

The invention is illustrated by a general view in the annexed drawing.

On the shaft or spindle *b*, which passes through the plate *a*, are arranged, with the rod *q*, which carries the vane, the jumper-wheel *c* and a ratchet-wheel *d*. The jumper-wheel is provided on its periphery with a number of notches *h*, corresponding to the several charges—as, for instance, three fares, cash, and free—and adapted to engage said notches on the jumper-wheel being moved round is a jumper or detent *f*, fixed to a flat spring *g*. In order that the jumper-wheel *c* shall not move backward from a fare to "Free" or from "Cash" to a fare, a spring-controlled pawl *i* is arranged to engage with the ratchet-wheel *d*. This latter is provided with teeth for only a portion of its circumference, the remaining portion being plain. The pawl *i* rides over the plain part when the apparatus is shifted from "Fare 1" to "Fare 3," so that a change from one fare to another can be effected. On the jumper-wheel *c* is a catch *k*, which on the insertion of the first fare brings the registering mechanism into position by means of a lever *m* acting on a bar *n*. Fixed to the jumper or detent *f* is a hammer *o*, which strikes the bell *p* each time a change is effected.

When the vane is standing at "Free," the parts are in the position represented in the drawing. If it be moved in the direction of the arrow, it passes down behind the plate *a* and is hidden from view, (thus indicating that the apparatus is in use,) and it will be held in the "Fare 1" position by the detent *f* engaging the first notch *h* of the jumper-wheel *c*. By further moving the jumper-wheel by means of the vane the indication can be changed to "Fare 2" or "Fare 3" and "Cash," so that in order to again return the vane to the "Free" position one complete revolution of the vane and of the spindle *b* must take place. A reverse movement from either fares "3" or "2" to "Fare 1" is, however, possible.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In a taximeter or fare-indicator, the combination with mechanism for controlling the several fares, of a spindle coöperating therewith and having a vane-rod directly movable thereby and carrying a vane, and a jumper-wheel on the spindle.

2. In a taximeter or fare-indicator, the combination of fare-controlling apparatus including a jumper-wheel, an axle or spindle carrying said jumper-wheel, and a vane-rod fastened to the axle and having a vane; the vane-rod being rotatable through a complete circle.

3. In a taximeter or fare-recorder, the combination of a supporting means, a shaft extending through the supporting means, and having a rod fastened thereto carrying an indicator, the said rod being rotatable through a complete circle, and jumper and ratchet wheels on the shaft, the jumper-wheel having a plurality of peripheral notches corresponding to the several fare charges and also provided with controlling means.

4. In a taximeter or fare-indicator, the combination of supporting means, a shaft or spindle extending through the supporting means and having a rod fastened thereto and rotatable therewith through a complete circle, the said rod being provided with an upwardly-projecting portion carrying a vane, a jumper-wheel on the shaft having peripheral notches corresponding to the several charges and

"Cash" and "Free," and means for controlling the jumper-wheel.

5. In a taximeter or fare-indicator, the combination with a supporting means, of a shaft or spindle projecting therethrough and having a rod fastened thereto and carrying a vane, the rod and vane being movable through a complete circle with the shaft or spindle, and mechanism on the shaft for controlling the movement thereof in accordance with the several fares designated thereby.

6. In a taximeter or fare-indicator, the combination of supporting means, a spindle projecting through said supporting means and having a rod fixed thereto and carrying a vane, the rod and vane being movable through a complete circle with the spindle, a jumper-wheel secured on the spindle and having peripheral notches corresponding with the several fares and also to designate "Cash" and "Free," means for limiting the movement of the jumper-wheel, a detent coöperating with the jumper-wheel, and signal means.

In witness whereof I have hereunto set my hand in presence of two witnesses.

BERTHOLD SCHNEIDER.

Witnesses:
WOLDEMAR HAUPT,
HENRY HASPER.