

No. 652,268.

Patented June 26, 1900.

W. HOFFMANN.

REGISTERING SAUCER FOR DRINKING VESSELS.

(Application filed Apr. 22, 1898.)

(No Model.)

Fig. 1.

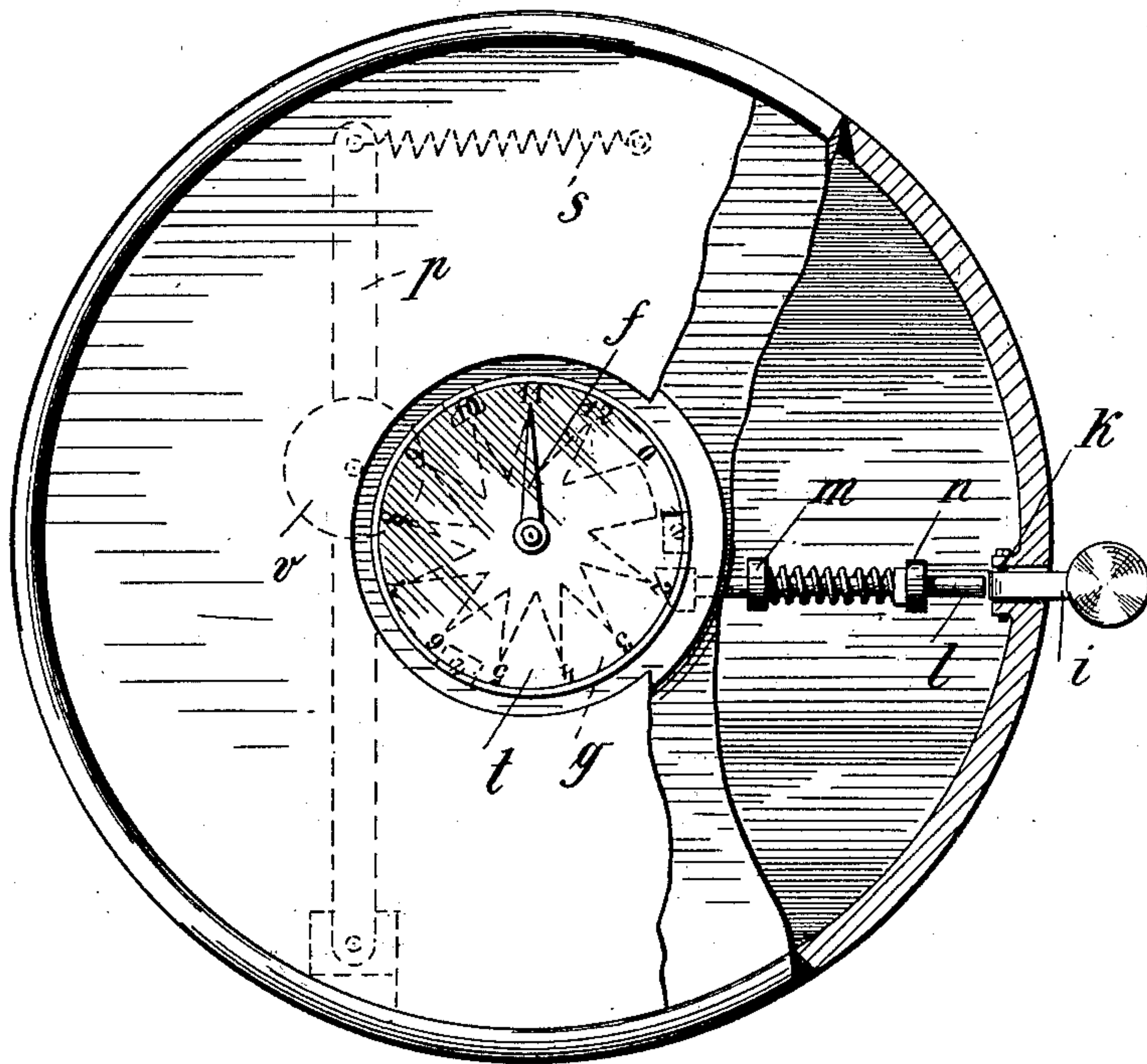
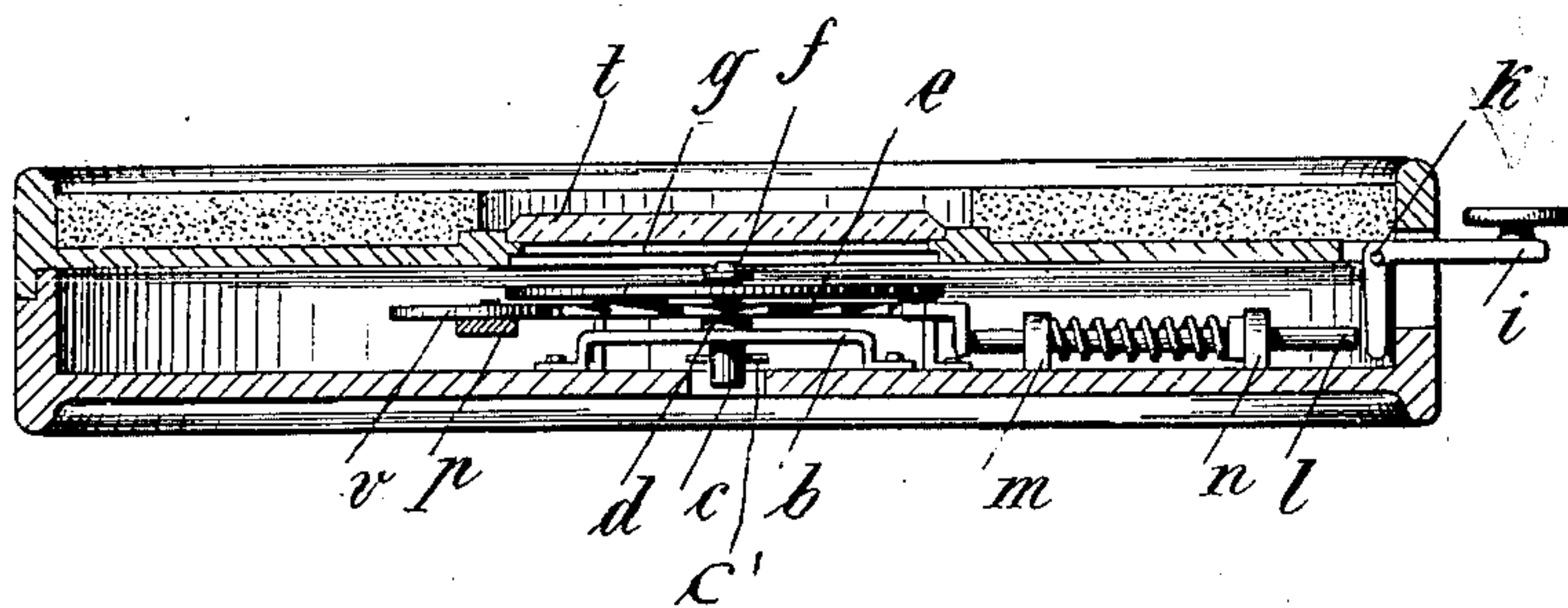


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILHELM HOFFMANN, OF BRAMSCHÉ, GERMANY.

REGISTERING-SAUER FOR DRINKING VESSELS.

SPECIFICATION forming part of Letters Patent No. 652,268, dated June 26, 1900.

Application filed April 22, 1898. Serial No. 678,513. (No model.)

To all whom it may concern:

Be it known that I, WILHELM HOFFMANN, a citizen of the Kingdom of Prussia, and a resident of Bramsche, near Osnabrück, in the Kingdom of Prussia and German Empire, have invented certain new and useful Improvements in Registering-Saucers for Drinking Vessels, of which the following is a specification.

My invention relates to a saucer for drinking vessels with a device announcing the number of drinks consumed.

Figure 1 of the adjoining drawings shows the apparatus in plan view, and Fig. 2 in cross-section.

The bottom of the saucer has in its middle a cross-piece *b*. A spindle *c*, resting with its collar *d* on the cross-bar, is journaled in it. The upper end of the spindle carries a ratchet-wheel *e* and a pointer *f*, which rotates over the dial *g*. The dial is fixed to the bottom and may be divided into as many parts as thought convenient. In the drawings it shows the numbers "1" to "12." The ratchet-wheel has as many teeth as the dial-numbers. Through a slot in the side of the saucer projects a bent lever *i*, fulcrumed at *k*. The horizontal arm of this lever carries a knob and the other bears against a spindle *l*, guided in *m* and *n*. A spring presses *l* against the lever-arm. The other end of the spindle carries a wedge-shaped head. A lever *p* holds the ratchet-wheel in its position by pressing a roller *v* between two teeth of the wheel by the force of spring *s*. The whole is provided with a cover, leaving open only in the middle a circular space for receiving a watch-glass *t*. An annular plate of felt or similar material absorbs any spilled liquid, but leaves the dial open.

In order to use the apparatus, the knob on

the lever is pressed down, the vertical lever-arm shifts the spindle toward the middle, the shoe presses against the teeth of the ratchet-wheel and by its oblique surface moves it sidewise. If the pressure on the knob ceases, the spindle is moved backward by the spring. By the movement of the ratchet-wheel the roller has been lifted out of its position and now falls back between the next pair of teeth, thereby completing the shifting of the hand to the next number. Between the last tooth and the first one the rim of the ratchet-wheel has not been cut out. A movement of the hand from the last number by means of the knob over to "1" is therefore impossible.

The setting of the hand to zero is done by means of a key adapted to engage with the end of the spindle *c*. The key is hollow and has slots for receiving a pin *c'*, penetrating the spindle laterally.

Having thus described my new invention, what is claimed as new, and desired to be secured by Letters Patent, is—

In a saucer with registering device for drinking vessels the combination with a spring-stopped bent-lever-action spindle guided in blocks and ending in a wedge-shaped head and a spring-pressed lever bearing a disk and acting as a brake, of a ratchet-wheel having a pointer fixed to its spindle and rotating over a dial, the ratchet-wheel having one tooth for every number on the dial, one of the teeth being broad enough to stop the wedge-shaped spindle-head.

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

WILHELM HOFFMANN.

Witnesses:

HENRY HASPER,
C. H. DAY.