

E. A. TEMPLE.
Alarm-Attachments for Measuring Cans.

No. 151,324.

Patented May 26, 1874.

Fig. 1.

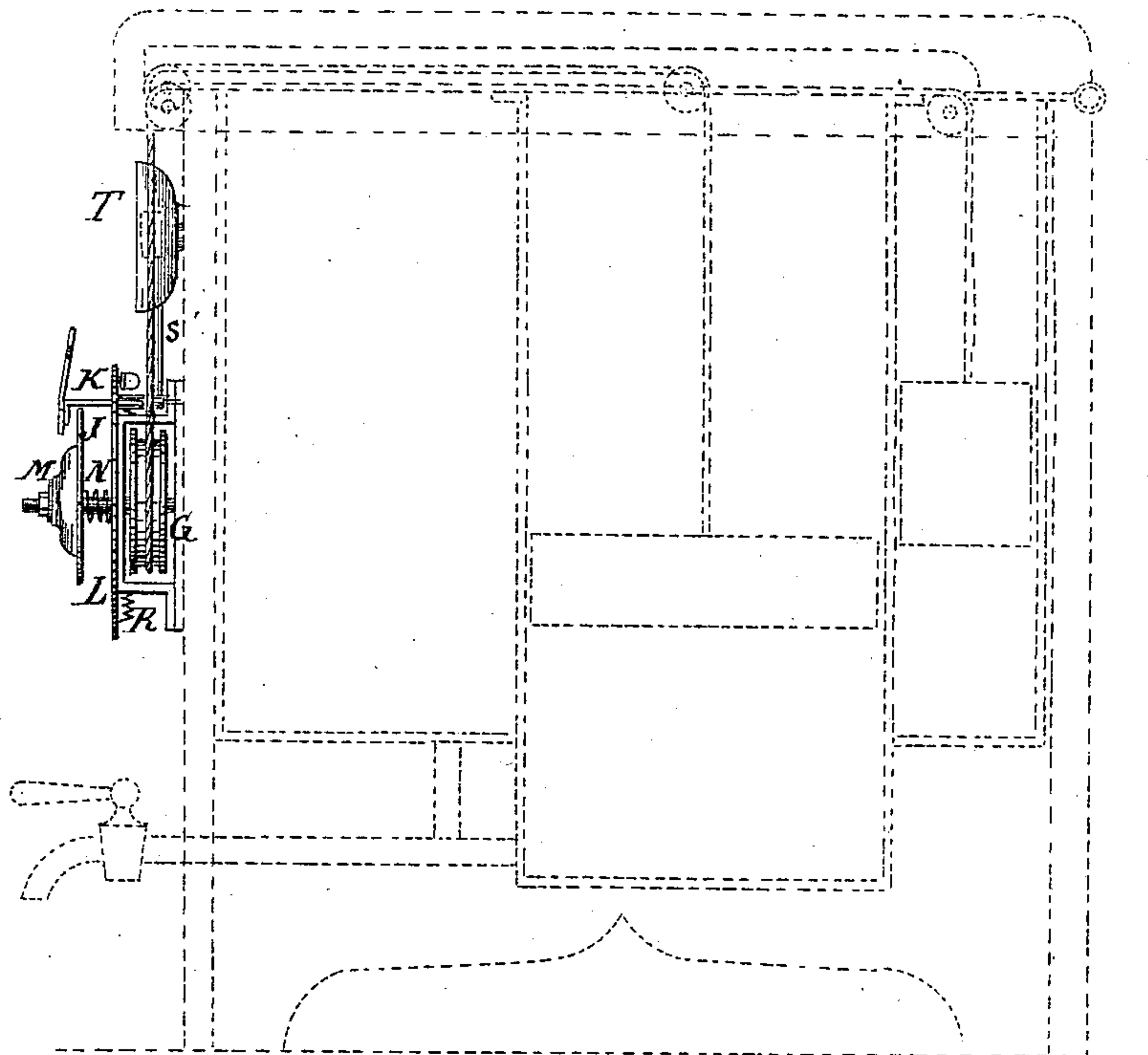
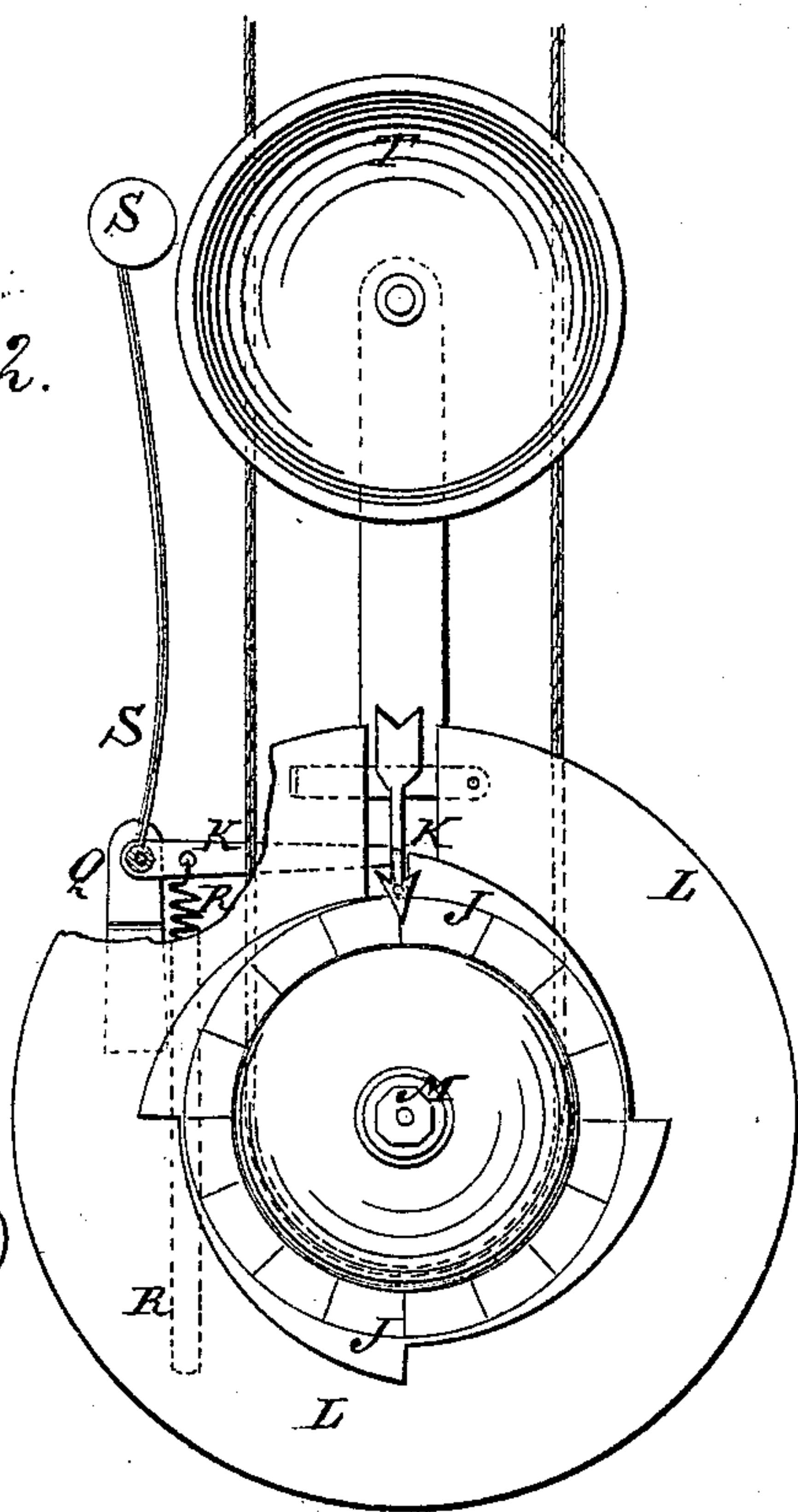


Fig. 2.



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IMPROVEMENT IN ALARM ATTACHMENTS FOR MEASURING-CANS.

Specification forming part of Letters Patent No. 151,324, dated May 26, 1874; application filed January 17, 1874.

To all whom it may concern:

Be it known that I, EDWARD A. TEMPLE, of Chariton, in the county of Lucas and State of Iowa, have invented a new and useful Improvement in Alarm Attachment for Automatic Measuring-Can, of which the following is a specification:

Figure 1 is a side view of the operating mechanism of an automatic measuring device, to which an alarm has been applied. Fig. 2 is a front view of the same, part being broken away to show the construction.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved alarm attachment for the automatic measuring-can described in Letters Patent No. 119,114, issued to C. M. Bridges, September 19, 1871, to give notice when the desired amount of liquid has been drawn from the can.

The invention will first be fully described, and then pointed out in the claim.

G is the pulley or wheel around which the float and weight cord passes. L is a stationary disk, attached to the frame in which the spindle of the pulley G revolves. J is the ratchet or notched disk, upon which the scale or division marks are made, and which runs loosely upon the spindle of the pulley G, where it is secured in place by a nut, M. N is a spring placed upon the spindle of the pulley G, the inner end of which rests against a pin or other stop attached to said spindle, and its outer end rests against the disk J with sufficient force to enable the said spindle to carry the said disk with it in its forward movement, but will allow the said disk to stand still while the pulley G is turned backward

by the rise of the float-tube. The tension of the spring N is adjusted by adjusting the nut M, between which and the said spring N the ratchet-disk J is clamped. The parts thus far described are the same as those described in Patent No. 119,114. K is a pawl, which passes through a slot in the stationary disk L, and rests upon the edge of the ratchet-disk J, so as to drop into the notches of said disk when a measure has been drawn out. The end of the pawl K is provided with an index-finger, pointing to the division-marks of said disk J. The pawl K, after passing through the disk L, is bent at right angles, and is attached to a short rock-shaft, Q, that works in a bracket attached to the disk L. The pawl K is held down upon the edge of the ratchet-disk J by a spring, R, one end of which is connected with the said pawl K, and its other end is connected with the stationary disk L. To the rock-shaft Q is attached the end of the bell-hammer S, so that each time the pawl K drops into a notch of the ratchet-disk J, the hammer S may strike the bell T, and give notice that one measure has flowed from the float-tube of the can.

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

The combination, with hammer S and bell T, of the slotted disk L and scale-ratchet D, bent pawl and index K, shaft Q, and spring R, as described, substantially as and for the purposes set forth.

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Witnesses:

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