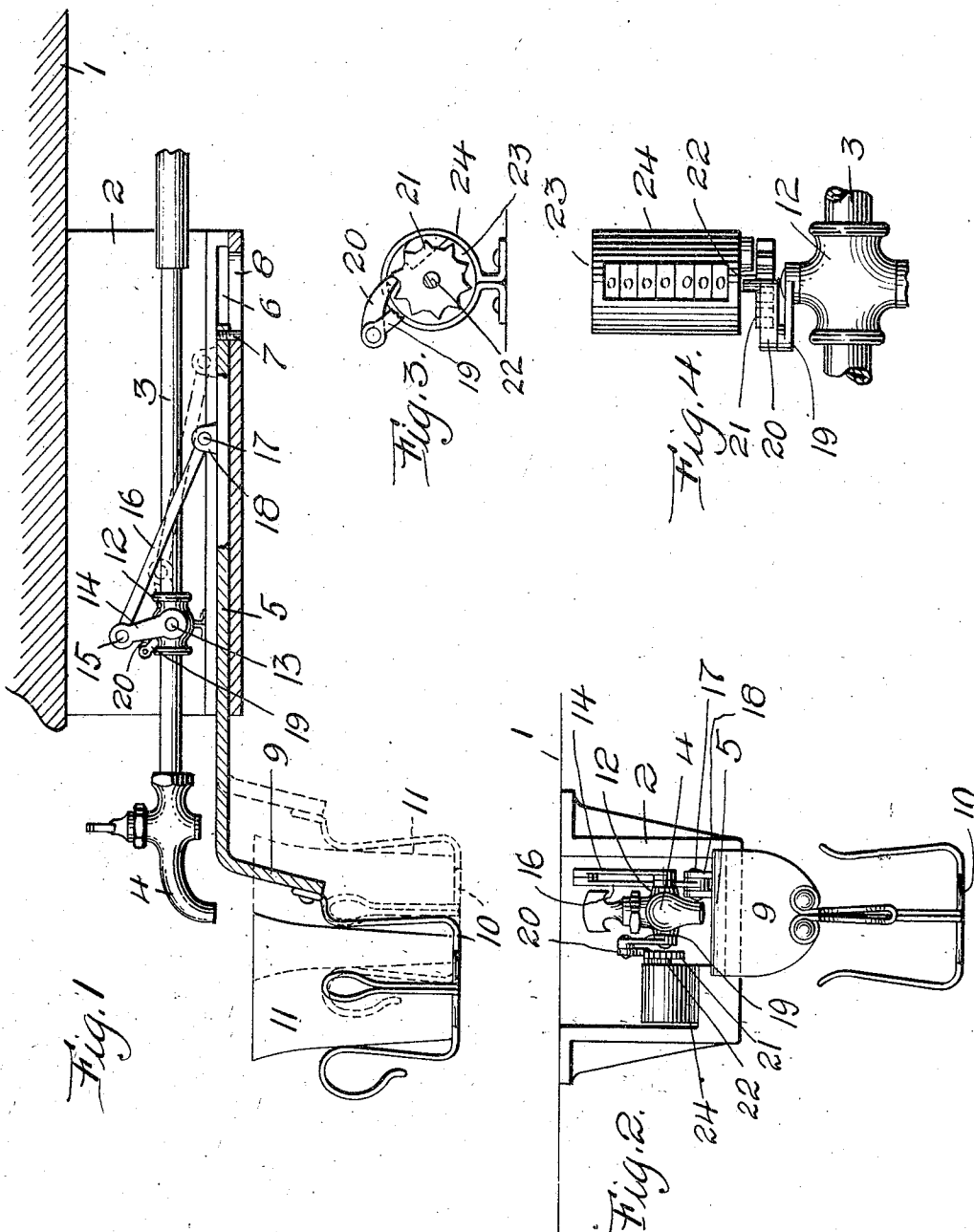


H. W. RITCHEY.
 AUTOMATIC REGISTERING FAUCET.
 APPLICATION FILED DEC. 7, 1912.

1,062,035.

Patented May 20, 1913.



WITNESSES
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UNITED STATES PATENT OFFICE.

HARRY W. RITCHEY, OF VANDERGRIFT, PENNSYLVANIA.

AUTOMATIC REGISTERING-FAUCET.

1,062,035.

Specification of Letters Patent.

Patented May 20, 1913.

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To all whom it may concern:

Be it known that I, HARRY W. RITCHEY, a citizen of the United States of America, residing at Vandergrift, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Automatic Registering-Faucets, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to an automatic registering faucet, and the primary object of my invention is to provide a faucet that can be advantageously used in connection with soda fountains and at bars and liquid dispensing counters to maintain a record of the number of glasses of liquid withdrawn from the receptacle or reservoir.

Another object of this invention is to provide a valve actuated register than can be easily installed in connection with outlet pipes to maintain a record of the number of times liquid is withdrawn from the pipes.

A further object of this invention is to accomplish the above results by a mechanical construction that is inexpensive to manufacture, durable, and highly efficient for the purposes for which it is intended.

With the above and other objects in view the invention resides in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a side elevation of a registering faucet in accordance with this invention, Fig. 2 is a front elevation of the same, Fig. 3 is an elevation of a ratchet mechanism, and Fig. 4 is a plan of the register.

Further describing my invention in detail with reference to the accompanying drawing, wherein like numerals denote corresponding parts throughout: 1 denotes a counter or other support provided with a depending channel-shaped hanger 2 and extending through this hanger is an outlet pipe 3 having a faucet 4 at the outer end thereof.

5 denotes a slide movably mounted in grooves 6 provided therefor in the hanger 2 and said slide has a pin or screw 7 at the inner end thereof extending into a slot 8 in the bottom of said hanger, said pin or screw limiting the movement of the slide

5. The outer end of the slide 5 is bent downwardly, as at 9 and provided with a glass holder 10, adapted to accommodate a glass 11 or other receptacle.

12 denotes a two-way valve located upon the outlet pipe 3, within the hanger 2 and one end of the plug or valve stem 13 of said valve is provided with a crank 14. This crank is pivotally connected, as at 15 to a link 16 and said link is pivotally connected, as at 17 to a lug 18, carried by the slide 5.

The opposite end of the valve stem or plug 13 is provided with a crank 19 and the outer end of said crank supports a pivoted gravity pawl 20 that engages a ratchet or star wheel 21. The wheel 21 is mounted upon the end of a registering shaft 22 that extends into a register 23, carried by a strap 24 secured to the hanger 2. The register 23 is of the ordinary and well known type employed for maintaining a record.

Assuming that the faucet 4 is open, it is only necessary to push the glass holder 10 toward the hanger 2 in order to open the valve 12 and allow a portion of the contents of the outlet pipe 3 to flow into the glass 11, which has been positioned beneath the faucet by an inward movement of the slide 5, as shown in Fig. 1. When the two-way valve 12 is opened the gravity pawl 20 moves the ratchet wheel 21 one space and it is this intermittent movement of the ratchet wheel that operates the mechanism within the register 23 which counts the number of times the two-way valve 12 is opened.

Of course the faucet 4 can be opened and closed simultaneously with the valve 12, the faucet 4 being manually operated while the valve 12 is automatically operated by moving the slide 5 and positioning the glass 11 beneath the faucet. As an instance of the use of the faucet no better example can be cited than that of a saloon keeper for checking the number of glasses of beer drawn by a bar-tender. By comparing the register of the faucet with the cash register it can be determined what quantity of beer has been wasted or freely dispensed.

One embodiment of my invention has been illustrated, but it is to be understood that the structural elements are susceptible to such variations and modifications as fall within the scope of the appended claims.

What I claim is:—

1. In a registering faucet, in combination,

a hanger provided with grooves at its lower portion, an outlet pipe extending through said hanger, a two-way valve carried thereby, a slide mounted in said grooves, means
 5 for limiting the inward movement of said slide, a glass holder carried by the slide exteriorly of the hanger, a vertically disposed crank connected to one side of said valve, a
 10 counter arranged within the hanger, means actuated by the other side of said valve for operating the counter, and an inclined link connected to the crank and to said slide for
 15 opening and closing the valve when the slide is shifted.

2. In a registering faucet, in combination, a hanger provided with grooves at its lower portion, an outlet pipe extending through said hanger, a two-way valve carried thereby, a slide mounted in said grooves, means

for limiting the inward movement of said 20 slide, a glass holder carried by the slide exteriorly of the hanger, a vertically disposed crank connected to one side of said valve, a counter arranged within the hanger, means actuated by the other side of said valve for 25 operating the counter, an inclined link connected to the crank and to said slide for opening and closing the valve when the slide is shifted, said outlet pipe projecting forwardly of said hanger, and a faucet connected to said projecting portion. 30

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

HARRY W. BITCHEY.

Witnesses:

J. A. STICKEL,
 S. W. LEWIS.