

No. 105,360.

PATENTED JULY 12, 1870.

W. MORGENSTERN.
FAUCET.

Fig. 1

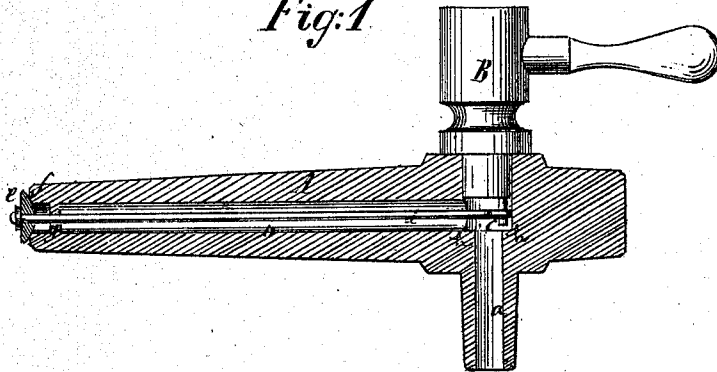
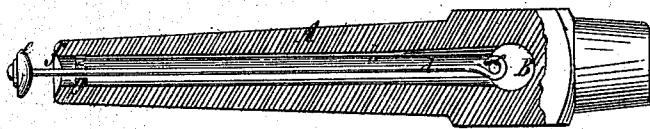


Fig. 2.



Witnesses.

E. F. Kastenhuber.
C. S. Mahler.

Inventor.

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UNITED STATES PATENT OFFICE.

WILLIAM MORGENSTERN, OF NEW YORK, N. Y.

IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. 105,360, dated July 12, 1870.

To all whom it may concern:

Be it known that I, WILLIAM MORGENSTERN, of the city, county, and State of New York, have invented a new and useful Improvement in Faucets; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which drawings—

Figure 1 represents a vertical central section of this invention when the valve is closed. Fig. 2 is a sectional inverted plan of the same when the valve is open.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a valve which connects by means of a rod with an eccentric wrist-pin in the plug, and which is seated in the inner end of the tubular shank of a faucet in such a manner that by turning the plug in the proper direction the valve is drawn up against its seat and the faucet is closed at the inner end of its shank, thereby preventing any liquid from remaining in the faucet, where it is liable to become warm and stale. The valve-rod is steadied by a perforated cross-bar secured in the tubular shank, so as to bring the valve square up against its seat whenever the plug is turned in the proper direction.

In the drawings, the letter A designates my faucet, which is cast or otherwise made with a spout, *a*, and with a tubular shank, *b*. Into the body of the faucet is fitted a plug, B, which is provided at its inner end with an eccentric wrist-pin, *c*, that connects by a rod, *d*, with the valve *e*. This valve is by preference made of india-rubber, but it may be made of any suitable material; and the rod *d* is made of such a length that when the plug B is turned to the position shown in Fig. 1 the valve is drawn up against its seat *f*, which is formed in the inner end of tubular shank *b*.

The chamber in which the wrist-pin has its

play is larger than the spout *a*, so as to leave a shoulder, *h*, which prevents the unintentional disconnection of the wrist-pin and the rod *d*, thus dispensing with the necessity of fastening devices. The attachment and detachment of the rod and pin are, however, easily made.

In order to compel the valve to come square up against its seat, the rod *d* is supported by a cross-bar, *g*, which is situated in the interior of the tubular shank, near its inner end. By these means a faucet is obtained which is closed at the inner end of its tubular shank, and when one of my faucets is inserted into a barrel and closed no portion of the contents of the barrel is permitted to lodge in the shank of the faucet, where it would be liable to become warm and stale.

In faucets of the ordinary construction the tubular shank fills up with liquid whenever the plug is closed, and such liquid becomes warm and stale, and when the faucet is opened this stale liquid mixes with the liquid discharging from the barrel, and the quality of the liquid drawn from a barrel is deteriorated. My faucet is therefore of particular value in such places where liquids are drawn from barrels for sale; but it can be used in all cases with advantage as a substitute for the ordinary faucet, since it is very cheap and simple in its construction, and not liable to leak.

What I claim as new, and desire to secure by Letters Patent, is—

The eccentric wrist-pin *c* on the rotating plug B, and shoulder *h* above the spout *a* of a faucet, in combination with a rod, *d*, extending throughout the entire length of the tubular shank *b*, the valve *e*, and valve-seat *f*, when arranged and operating substantially as described.

This specification signed by me this 22d day of June, 1870.

WILLIAM MORGENSTERN.

Witnesses:

W. HAUFF,
C. WAHLERS.