D. A. DYER.
Faucet.

No. 219,079. Patented Sept. 2, 1879.

Fig. 1.

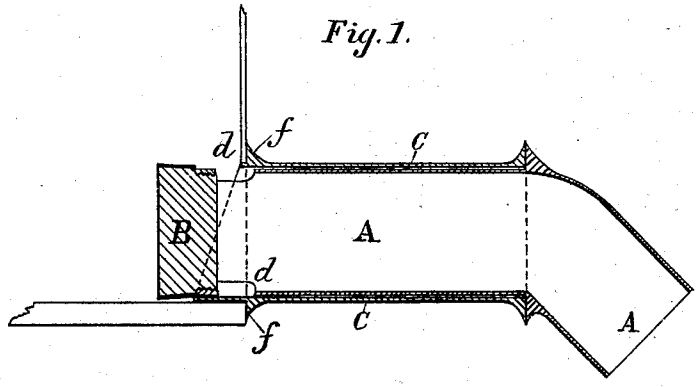
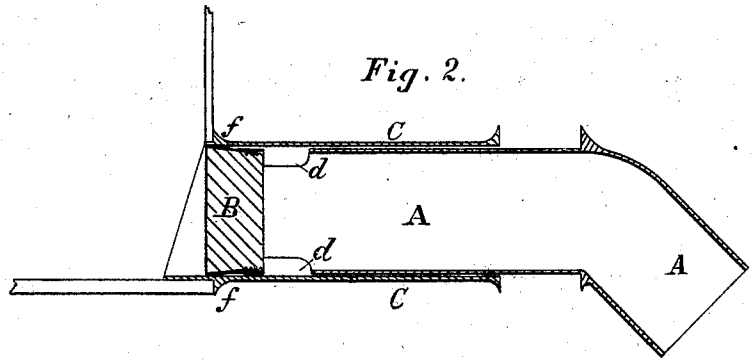


Fig. 2.



Witnesses
W. Floyd Puckett
D. B. Lawler.

Inventor
David A. Dyer
per Jno. L. Boone
Attorney

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID A. DYER, OF FERNDALE, CALIFORNIA.

IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. **219,079**, dated September 2, 1879; application filed January 27, 1879.

To all whom it may concern:

Be it known that I, DAVID A. DYER, of the city of Ferndale, county of Humboldt, and State of California, have invented an Improved Faucet; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the drawings accompanying this specification, and forming a part of the same.

My invention relates to a faucet which is more especially useful for drawing milk from pails, cans, tubs, or vats, on account of the ease with which it can be cleaned, but which can also be used for other liquids, especially where scrupulous cleanliness is required.

Referring to the accompanying drawings, Figure 1 is a longitudinal section of my device, showing the valve open. Fig. 2 is a similar view, showing the valve closed.

Let A represent a tube, one end of which is closed by means of a screw-plug, B, the head of which is larger than the tube, while the other end is bent, so as to form an outflow for the milk or other liquid.

C is a short outside tube, which fits over the straight portion of the tube A, and fits sufficiently tight to prevent excessive leakage. The tube A can be slipped longitudinally through this outside tube back and forth as far as the limits of the bent outer end and the projecting head on its opposite or inside end will permit.

An opening, *d*, is made in the tube A, near the inside or plugged end, usually on top, in such a position that it will be covered by the outside tube when the tube A is drawn out until the inner end of the outside tube abuts against the projecting head of the plug B, and be uncovered when the tube A is pushed in, so that its outer end will strike the bend at the outer end of the tube.

The inner end of the outside tube, C, is secured in a hole in the vessel to which the faucet is to be attached, so that the tube A can be slipped in and out to open or close the passage, as desired.

Usually, in constructing the faucet, I secure a rim or flange, *f*, around the inner end of the tube C, which will fit around the hole in which the faucet is secured inside of the vessel.

If the vessel is tin, I simply solder the flange around the hole. If it is wood, I also employ any suitable fastening.

When the tube A is drawn outward the opening *d* is covered and the faucet is closed, so that no liquid can pass into or through it; but when it is desired to draw liquid from the vessel the tube is pushed in until the opening *d* is uncovered, when the liquid will pass into the tube and out through the spout.

Usually I shall make the projecting part of the plug-head, against which the bend of the tube strikes, conical or beveled, so as to form a tight joint when the faucet is closed; but various arrangements could be applied for this purpose.

The opening in the inner end of the tube C, into which the screw-plug is inserted, is as large as the passage through the tube, so that the passage can be easily and thoroughly cleaned whenever desired.

To remove the tube A it is only necessary to remove the screw-plug, when the tube can be withdrawn, leaving the outside tube, C, stationary in the vessel, after which any convenient means can be employed for cleaning it.

The faucet has no inside valves or obstructions to prevent the free passage of an instrument for cleaning it thoroughly, and no sharp angles to accumulate matter.

When I use the faucet for drawing water, I apply a lever for operating the longitudinally-moving tube A.

This faucet is therefore especially adapted for dairy purposes, because it can be thoroughly cleaned with very little trouble

I am aware that it is not new to construct a faucet for drawing molasses having a trough sliding in an outer tube, and adapted to agitate the molasses and cause it to flow freely, and also having a cut-off slide in the said outer tube, and I do not wish to claim the said invention; but,

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

1. In a faucet, the movable tube A and plug

B, in combination with the stationary tube C, adapted to make a close fit in said tube C, as set forth.

2. An improved faucet, consisting of the inner movable tube, A, having an orifice, *d*, the outer stationary tube, C, adapted to fit closely over said movable tube, and the tapering screw-plug B, for closing the orifice, all substantially as described and set forth.

In witness whereof I have hereunto set my hand and seal.

DAVID A. DYER. [L. S.]

Witnesses:
D. B. LAWLER,
W. FLOYD DUCKETT.