O. L. WHEELER.

Measuring Faucet.

No. 80,847. Patented Aug. 11, 1868.

Fig. 1.

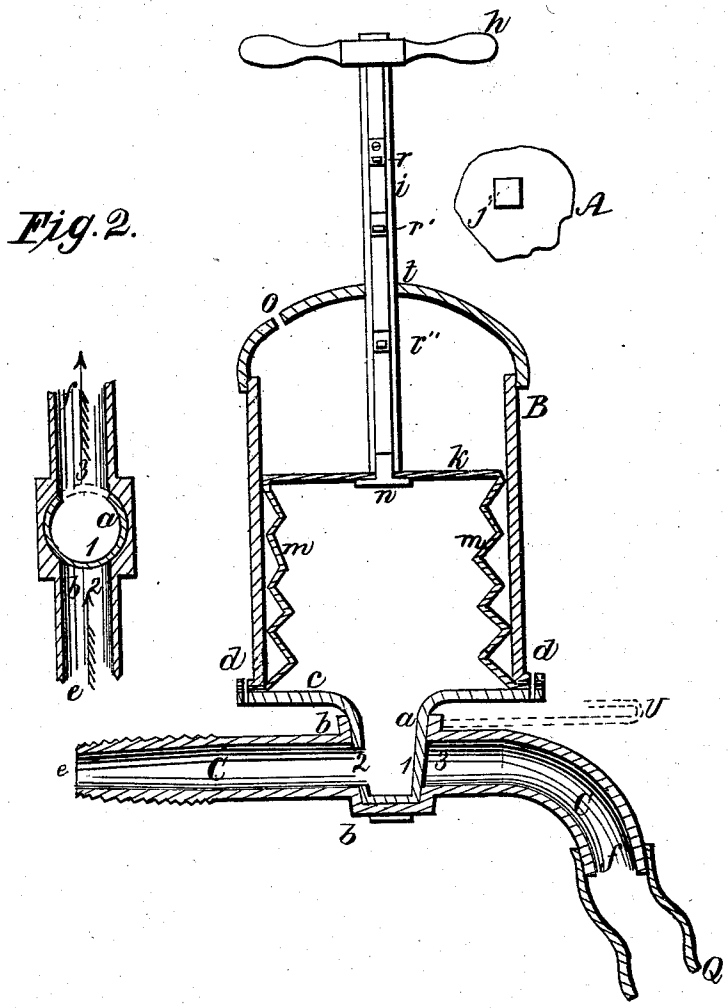

Fig. 2.

Witnesses:
Henry C. Houston.
Wm Frank Searey

Inventor:
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Per Atty Wm Henry Clifford

United States Patent Office.

ORREN L. WHEELER, OF LEWISTON, MAINE.

Letters Patent No. 80,847, *dated August* 11, 1868.

IMPROVEMENT IN MEASURING-FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ORREN L. WHEELER, of Lewiston, in the county of Androscoggin, and State of Maine, have invented a new and useful Improved Measuring-Faucet; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use my invention, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side sectional elevation.

Figure 2, a plan of the valve.

A shows the square aperture in the top of the chamber, which aperture receives the square stock, so as to revolve the chamber.

I am aware that Letters Patent have been granted upon measuring-faucets, but I am not aware of any of the same construction or operation as mine.

B is a cylindrical chamber, set upon the snout or nozzle C, and connected therewith by a projection, *a*, fitting into the recess *b*, so that *a* will revolve or turn in *b*. The projection *a* is formed on the bottom plate or disk *c* of the cylindrical chamber B. This plate is secured to the cylindrical chamber by bolts, *d*.

Thus, when the cylinder B is revolved, the disk *c* revolves also.

e is the end of the nozzle that enters the barrel or other receptacle of the liquid.

f, the discharging-end, with a rubber hose, *g*.

h is a handle attached to the square stock *i*. The square stock fits into the square hole *j*.

Thus, when the handle *h* and stock *i* are turned, the chamber B is turned on the projection *a*. This stock *i* enters the chamber B. At its lower end is the flexible disk *k*, made of such material, for instance, as leather. This disk *k* has a flexible tube or cylinder fitting the chamber B, expansible and collapsable, as illustrated.

m is the tube. The lower end of this tube *m* is attached between the lower end of the chamber B and disk *c* by the before-mentioned bolts *d*. The tube *m*, with disk *k*, is attached to the stock *i* by bolt *n*.

o is a vent-hole, to allow the air to pass out or to enter, as the disk is drawn up or lowered.

The operation is as follows:

When the projection *a* is turned, as in fig. 1, it is obvious that by drawing up the disk *k* the contents of the vessel will enter at *e* and be drawn up into the collapsable tube *m*. When the desired quantity has been allowed to enter *m*, turn the chamber B by the handle *h* till the whole part 1 comes against the aperture 2 of the nozzle, when the flow will be cut off, and the aperture in the projection *a* will be turned to the discharge-aperture 3 of the nozzle. Then, by pressing down on the handle *h*, the disk *k* will be forced to the bottom of the chamber, and the contents expelled through C–*g*. A half turn of B opens or shuts either 2 or 3 in the nozzle.

r r' r'' show gauges on the stock *i*. By these the measuring is effected. Suppose that *r''* represents two gallons, then it is obvious that *r'* will indicate a less quantity; that is, when the said marks *r*, &c., are brought up level with the top, *t*, of the chamber.

Thus, with the capacity of the whole tube *m* first known, these marks, *r r'*, &c., can be used to denote any quantity desired.

v is a rest to hold the rubber *g*, so as to prevent leakage or dropping therefrom.

When this tube *g* is used to convey liquids from the chamber into a jug or other like receptacle, and is for this purpose inserted into the neck of such jug, bottle, &c., it is obvious that an air-vent, to allow the air to pass out of such receptacle, may be of service, and can be obtained in various ways, such as, for instance, the construction of the rubber tube *g*, with a smaller supplementary tube on one side thereof.

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

The measuring-faucet, as described, having the chamber B, with vent-hole *o*, gauged stock *i*, disk *k*, collapsable tube *m*, projection *a* with opening 2, in combination with the nozzle C, having the socket *b* to receive the projection *a*, all as and to operate for the purposes herein set forth.

ORREN L. WHEELER.

Witnesses:

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