

No. 639,582.

Patented Dec. 19, 1899.

R. E. KABISCH.

BEER TAP.

(Application filed Aug. 24, 1899.)

(No Model.)

Fig. 1.

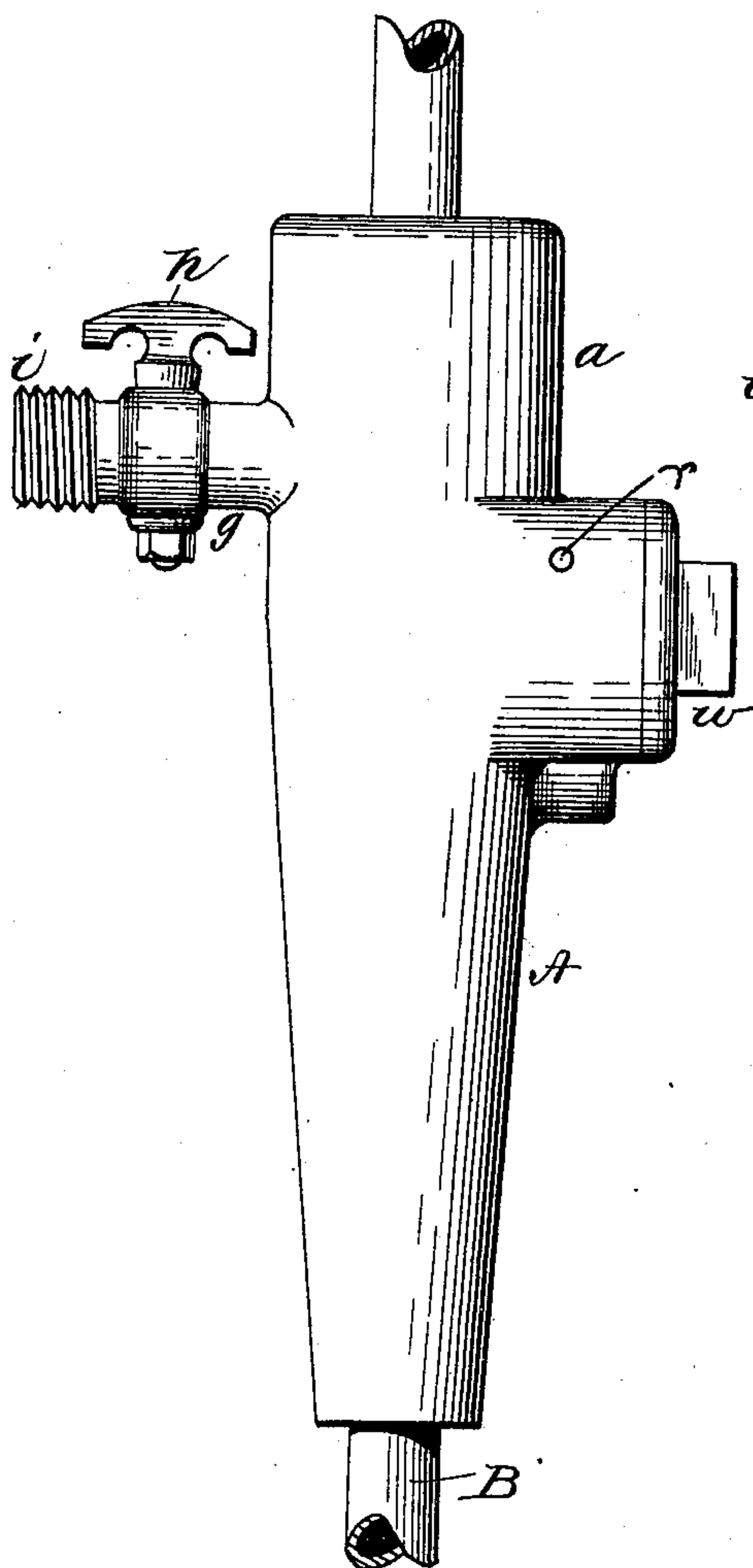


Fig. 2.

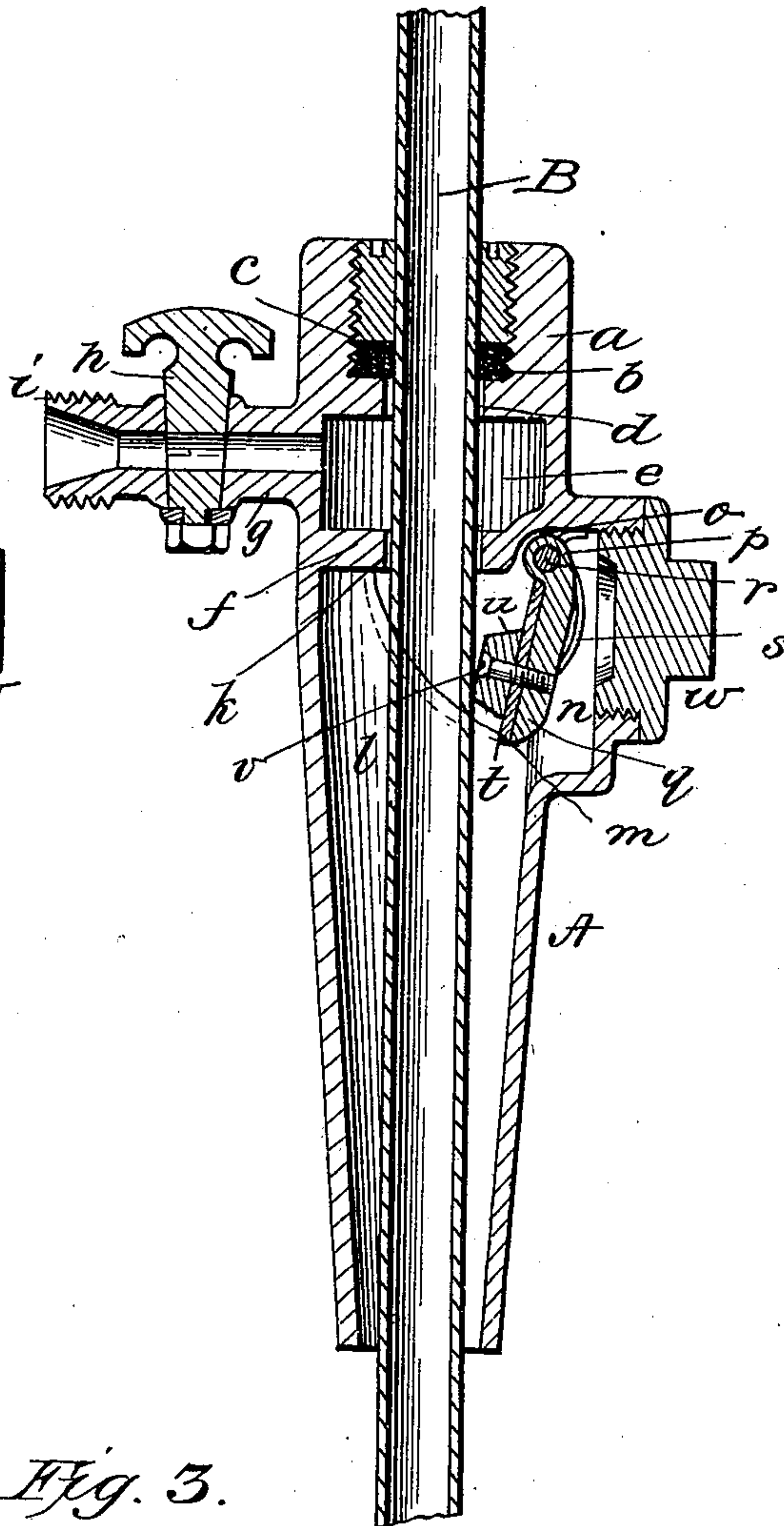
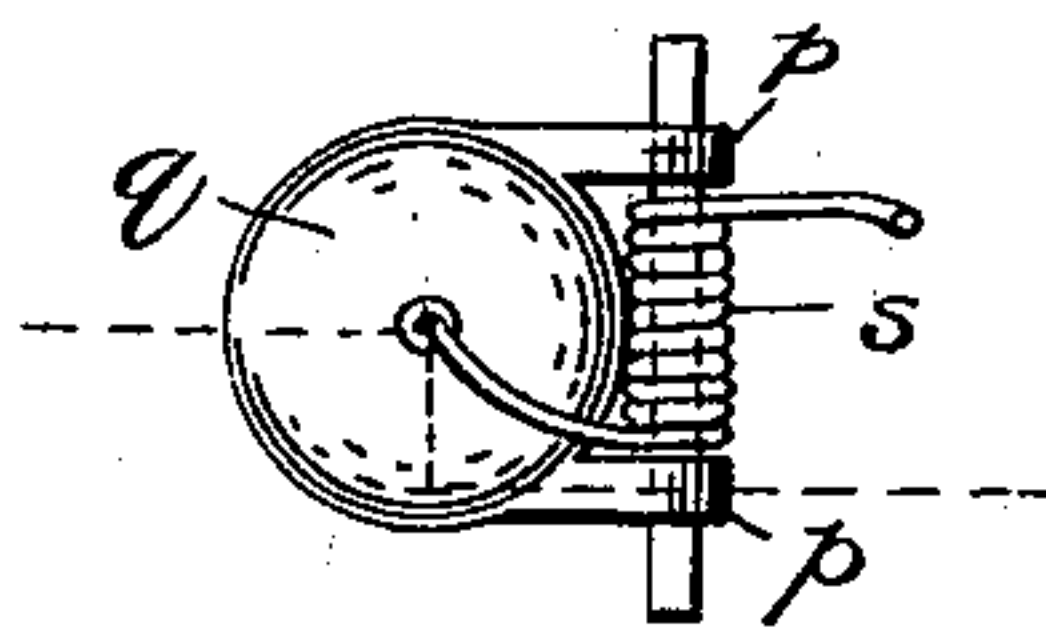


Fig. 3.



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## BEER-TAP.

SPECIFICATION forming part of Letters Patent No. 639,582, dated December 19, 1899.

Application filed August 24, 1899. Serial No. 728,308. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT E. KABISCH, a citizen of the United States, residing at Fifth and Canal streets, Lebanon, in the county of Lebanon and State of Pennsylvania, have invented certain new and useful Improvements in Beer-Taps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to taps for drawing beer or other liquids under pressure, and has for its object the avoiding of waste of liquid and the preservation of the liquid in the keg or cask at such times when the drawing must be discontinued for a time; and it consists in certain improvements in construction, which will be fully disclosed in the following specification and claims.

In the accompanying drawings, which form part of this specification, Figure 1 represents a side elevation of my invention; Fig. 2, a longitudinal section of the same, and Fig. 3 a detail of the valve.

Reference being had to the drawings and the letters thereon, A indicates the body of the tap, made of a continuous piece of metal having a head *a* adapted to be struck by a mallet or hammer to drive the bung into a keg or cask and seat the tap in the aperture from which the bung has been driven, or a cork inserted in the bung may in like manner be displaced and the tap inserted. In the head of the tap is a packing-chamber *b*, having an internally-screw-threaded wall, an annular packing-ring *c*, and an annular follower or nut to compress the ring *c* and securely pack the draft-tube B to avoid escape of air or liquid from the cask, the bottom of the packing-chamber being provided with a central opening *d* for the passage of the draft-tube. In the head *a* is an air-chamber *e*, whose bottom is formed by a transverse partition *f*, and integral with the head is a laterally-extending branch *g* for connecting with a suitable source of supply for air under pressure to dispense the liquid contained in the cask to which the tap has been applied. The branch is provided with a valve

*h*, preferably of the turning-plug variety, which extends through the branch and controls the supply of air to the cask and confines the air therein should the air-supplying apparatus have to be disconnected for repairs or any other purpose, and at the outer end of the branch is a screw-thread *i* for attaching a coupling to connect with the air apparatus. The partition *f* is provided with a central opening *k* opposite the opening *d* in the upper wall of this chamber and is slightly larger than the diameter of the draft-tube B to admit of the air passing from the chamber *e* into the cask, and the partition *f* serves to steady the draft-tube when in the cask and reduce vibration thereof.

In the body of the tap is a valve-chamber *l*, into the upper end of which the partition *f* projects, and on the lower surface of the partition is formed a valve-seat *m*, which extends below the upper end of the side opening *n* in the valve-chamber to provide ready access to the valve-seat through the opening *n* for finishing or truing the seat, which may be done by special tools for the purpose. The partition is cut away at *o* to accommodate the hinges *p* on the valve *q*, which is pivotally secured in the chamber *l* by a transverse pin *r*, upon which and between the hinges *p* is secured a helically-coiled spring *s*, one end of which rests upon the bottom of the valve and in the center thereof to hold the valve evenly to its seat, and the opposite end of the spring rests upon the wall of the valve-chamber. On the face of the valve is a packing *t*, with a disk *u* approximating the diameter of the opening *k* to protect the packing against abrasion by the draft-tube when the latter is inserted. The disk is secured to the valve by a screw *v*, whereby the packing *t* may be readily renewed when it becomes worn.

The opening *n* of the valve-chamber is provided with a screw-plug *w* and may be readily applied and removed.

When the draft-tube B is inserted in the tap, the end of the tube engages the disk *u* and pushes the valve back out of the path of the tube and air from the source of supply and the chamber *e* passes around the tube in the partition *f* into the cask, and when for



any cause it becomes necessary to withdraw the draft-tube the spring s automatically closes the valve.

Having thus fully described my invention, what I claim is—

1. A beer-tap having an air-chamber whose lower wall is formed by a transverse partition provided with a central opening, a valve-chamber below the air-chamber and into which said partition extends and provided with a valve-seat on its lower surface, an opening in said valve-chamber extending above said valve-seat, a valve, and a plug closing said opening.

2. A beer-tap having an air-chamber whose lower wall is formed by a transverse partition having a central opening, a valve-chamber below the air-chamber and having a side opening, and into which chamber said partition extends and provided with a valve-seat below the upper end of said opening, a valve pivotally secured in the body of the tap and having a spring engaging the valve in the center thereof at one end and the body of the tap at the opposite end.

3. A beer-tap having an air-chamber whose upper and lower walls are provided with central openings, a branch communicating with said chamber and having a valve extending through the branch, a valve-chamber below

the air-chamber, a valve-seat into which said seat extends, an opening in the valve-chamber opposite and extending above said seat, a valve, and a cover for said opening.

4. A beer-tap having a packing-chamber at its outer end, a packing-ring and a follower in said chamber and a passage in the bottom thereof the diameter of the draft-tube, an air-chamber having a transverse bottom provided with an opening opposite the opening in the packing-chamber and also the diameter of the draft-tube and having a valve-seat formed on its lower surface, a laterally-extending branch communicating with the air-chamber, a valve-chamber below the air-chamber and having an opening in one side extending above said valve-seat and provided with a detachable cover, a valve pivotally supported and engaging the valve-seat, and a spring engaging the back of the valve and the body of the tap; in combination with a draft-tube which passes through the packing-chamber, both of said openings and the tap.

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

ROBERT E. KABISCH.

Witnesses:

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