C. G. FISCHER.

Tap with Turnable Outlets.

No. 200,383. Patented Feb. 19, 1878.

Fig. 1

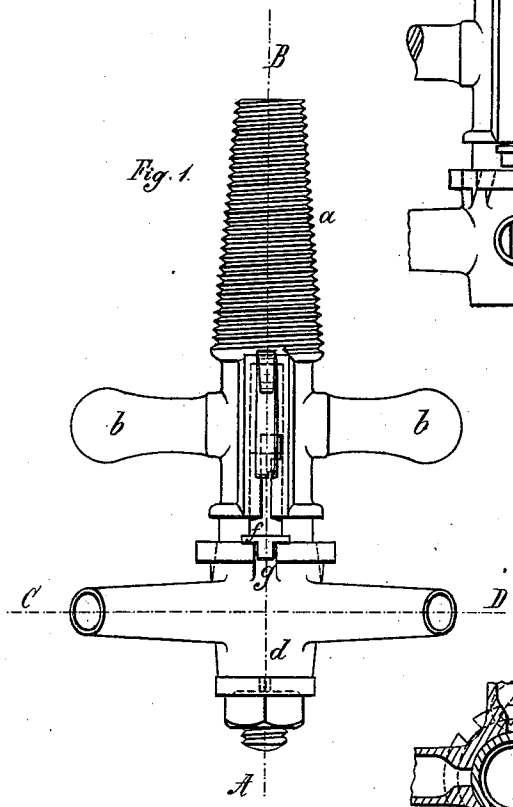


Fig. 2

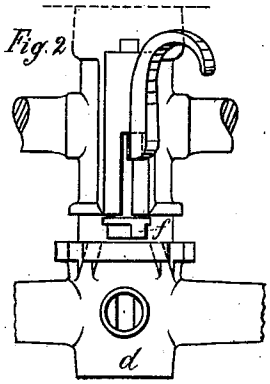
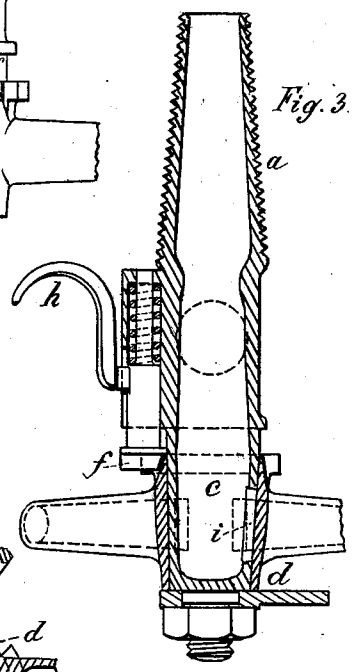


Fig. 3



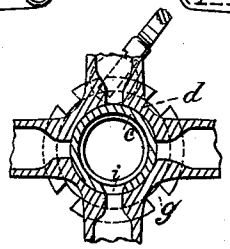


Fig. 5

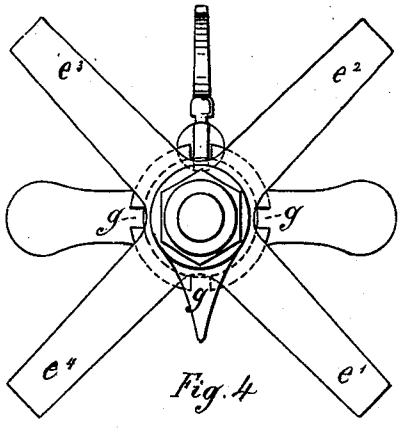


Fig. 4

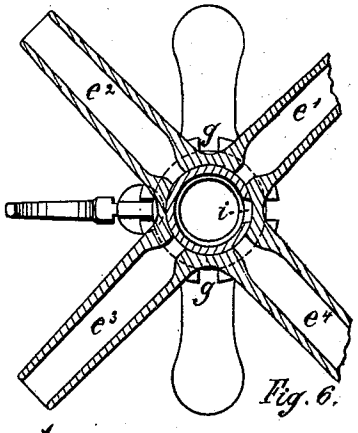


Fig. 6.

Witnesses

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UNITED STATES PATENT OFFICE.

CARL GUSTAV FISCHER, OF SCHLOSS HOLTE, NEAR BIELEFELD, WESTPHALIA.

IMPROVEMENT IN TAPS WITH TURNABLE OUTLETS.

Specification forming part of Letters Patent No. **200,383**, dated February 19, 1878; application filed November 6, 1877.

To all whom it may concern:

Be it known that I, CARL GUSTAV FISCHER, of Schloss Holte, near Bielefeld, Westphalia, have invented an Improved Tap with Turnable Outlets, of which the following is a specification:

This invention relates to an improved tap for beer or wine barrels, &c., by which the drawing off of the liquor is facilitated.

The same is represented on the annexed sheet of drawings.

Figures 1 and 2 are top views. Fig. 3 is a vertical section according to line A B of Fig. 1. Fig. 4 is an end view; Fig. 5, a partial cross-section on line C D of Fig. 1, with outlet open; and Fig. 6, a similar section with outlet closed.

The tapered end *a* of the top is provided with a screw-thread for screwing it into the tap-hole of a barrel, as usual, the two handles *b* serving to turn it for this purpose. The other end, *c*, corresponding to the plug of a common tap, is made conical, and has one outlet, *i*. On this end the hollow cone *d* turns, which is provided with four outlet-tubes, e^1, e^2, e^3, and e^4, so that during every rotation of the cone *d* the tap is opened and closed four times. *f* is a spring-bolt catching into one of the notches *g* of the cone *d* at every quarter-rotation of the cone.

This bolt may, however, be drawn back and turned a little within its socket, so as to make the neck of its hook *h* enter into a notch of the socket, and to keep the bolt out of action, Figs. 2 and 5. Whenever the bolt is released it will stop the rotation of the cone *d* every time the outlet *i* is closed, so as to prevent an accidental opening of the tap and a waste of liquor. Figs. 1, 3, 4, and 6 show the tap closed and locked, while in Figs. 2 and 5 it is represented open.

By this arrangement the drawing off of any liquor is facilitated, as the revolving cone *d* may be turned by the bottles or other vessels which are to be filled. For this purpose the neck of an empty bottle being slipped with one hand on the outlet-tube e^1, the cone *d* is turned by forty-five degrees by means of the bottle, the tap being thereby opened. While the first bottle is being filled the second bottle is slipped with the other hand on the following outlet-tube, e^2, which is meanwhile standing horizontally, and the cone is again turned by forty-five degrees, so as to close the tap. The filled bottle having been put aside, the cone *d* is again turned by forty-five degrees by the second bottle, which is thereupon filled. Thus, the tapping goes on without interruption, the tap being opened and closed, as required, by the bottles, &c., to be filled, and without any turning of a plug, as in common taps. Whenever the drawing off is not to be proceeded with any more, the outlets *e* are retained in their closed position by releasing the spring-bolt and causing it to enter into the notch of the cone *d*, which is at the time being opposite to the bolt.

Instead of four outlets *e*, three, five, or more may be applied, or only two outlets may be placed at an angle of about ninety degrees. In the latter case the cone *d* would have to be oscillated to the right and the left while tapping; but the latter arrangement has the disadvantage that the cone is not balanced.

I claim as my invention—

1. The hollow cone *d*, provided with two or more elongated outlets *e*, adapted to filling bottles, in combination with the tap, on the conical end of which it is arranged to revolve, substantially as and for the purpose set forth.

2. In combination with the hollow revolving cone *d*, having two or more outlets, the spring-bolt *f*, as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CARL GUSTAV FISCHER.

Witnesses:

A. WIERTH,

FR. AUG. HARDT.