

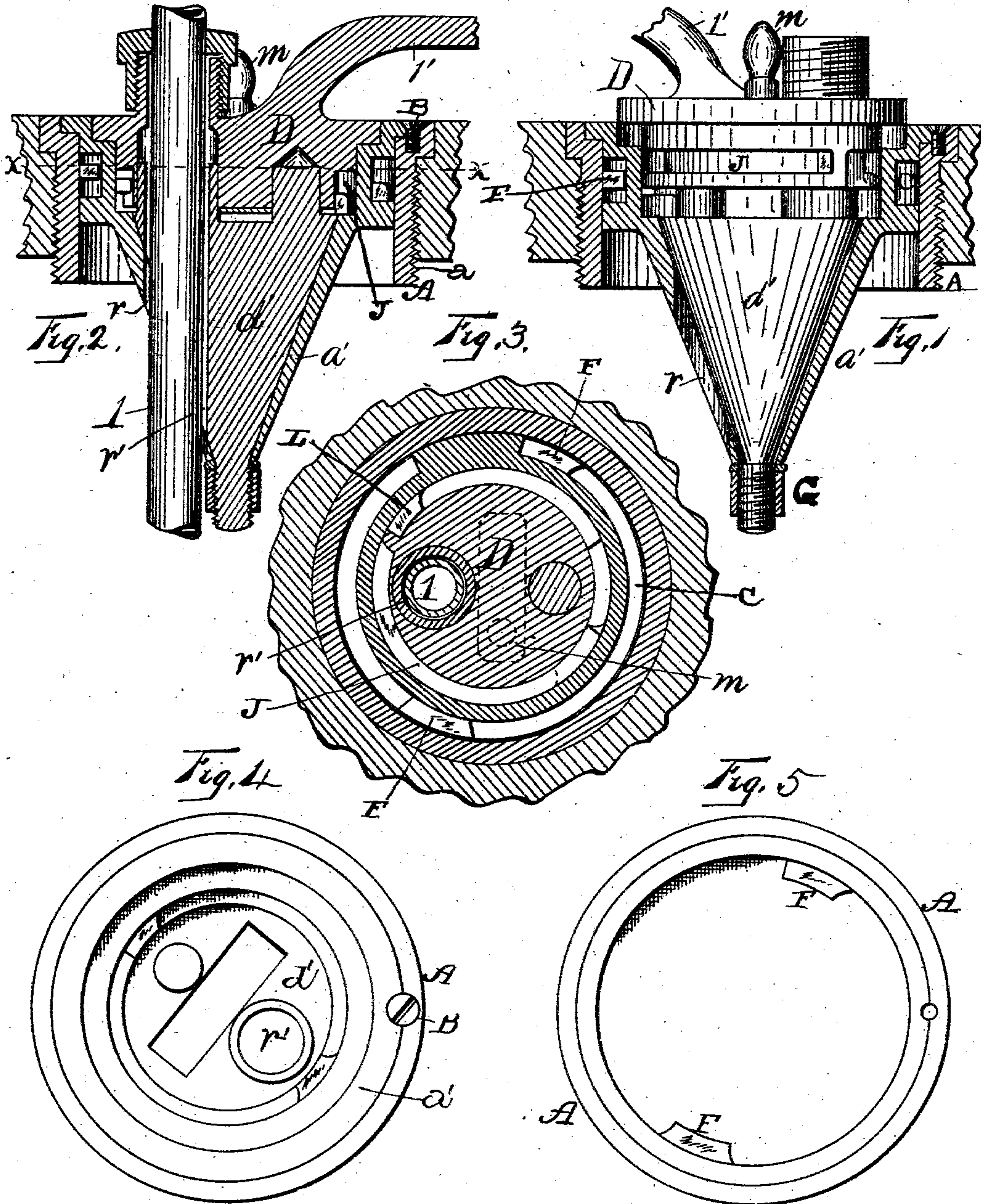
No. 629,152.

Patented July 18, 1899.

G. R. CHEESMAN.
BARREL TAP.

(Application filed Nov. 12, 1898.)

(No Model.)



INVENTOR

WITNESSES:

W. Schornick
M. A. Franklin

George R. Cheesman
BY
Smith & Brinson
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE R. CHEESMAN, OF AUBURN, NEW YORK.

BARREL-TAP.

SPECIFICATION forming part of Letters Patent No. 629,152, dated July 18, 1899.

Application filed November 12, 1898. Serial No. 696,219. (No model.)

To all whom it may concern:

Be it known that I, GEORGE R. CHEESMAN, of Auburn, in the county of Cayuga, in the State of New York, have invented new and useful
5 Improvements in Barrel-Taps, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to improvements in
10 combining barrel taps and fillers, having more particular reference to those used for ale and lager-beer kegs or other liquid-receptacles where a gaseous pressure of any kind is desired, such as water or steam.

15 My object is to improve their detail construction and general utility; and to that end my invention consists in the several new and novel features of construction and operation hereinafter described and which are specifically set forth in the claim hereunto annexed. It is constructed as follows, reference
20 being had to the accompanying drawings, in which—

Figure 1 is a section of a filler and interior
25 view of a modified form of the tap, the key being slightly raised from its bearings. Fig. 2 is a cross-section of the filler, tap, and key, showing a removable tube. Fig. 3 is a cross-section on line $x x$, Fig. 2. Fig. 4 is a top
30 plan view of the filler and tap complete, the key being removed. Fig. 5 is a view of the filler complete detached.

A represents the screw-threaded bushing, which is inserted into the keg or barrel and
35 in which is placed a cone-shaped shell a' , which is secured to the bushing by means of the screw B. In the side of the upper portion of the shell is formed the circular recess C, in which the lugs F, formed upon the inner side
40 of the bushing, catch for the purpose of holding the conical shell in position and allowing it to be partially rotated before it can be removed. Inside of this conical shell a' is placed the conical plug d' , which has its lower end
45 made screw-threaded and to project below the lower end of the shell a' , so as to receive the nut G, by which it is held loosely in position. This plug has a turning movement inside of the shell, and through one side of the
50 plug and the shell are made vertical openings $r r'$. When the plug is turned so that its opening r' corresponds with the one r in the shell, the pipe l can be passed through the tap down into the barrel or keg for the pur-

pose of drawing off the liquid contained 55 therein. In order to limit the rotation of the plug d' , a horizontal groove J is made in its side, and in this groove catches the lugs or stops formed upon the inner side of the top of the shell. The key consists of a lever pro- 60 vided with a handle l' , and which key is provided with suitable projections, which fit in corresponding recesses in the top of the plug, so that when a turning movement is imparted to the key through its handle the plug will 65 be turned so as to bring its opening r' in or out of line with the corresponding opening r in the shell. As seen in Fig. 1, when the plug is turned so that the openings are out of alignment with each other the opening r in the 70 shell is effectively closed. This tap is provided with the air-vent m in the usual manner.

It will be observed that in view of the fact that the plug d' fits tightly within the shell
75 a' the valve is always snug upon its seat and that it is impossible for any foreign substance to remain therein to obstruct the passage, for when the plug is rotated it will immediately cut the substance and clear itself. Before the key is inserted into the bushing 80 the valves are closed and the key can only be inserted into the bushing when the valve is closed, and the valve can only be opened when the key and its connecting-tube are in the bushing, so that it will be impossible for 85 an absent-minded person to remove the key without closing the valve.

Having described my invention, what I claim, and desire to secure by Letters Patent, is— 90

In a barrel-tap, the cone provided with grooves around its upper edge to engage with the lugs upon the plug, and having an opening to one side of its center for the insertion and removal of the drawing-tube, combined 95 with the plug also provided with an opening to one side of its center, and through which the tube is passed when the plug and cone are moved into alinement; a suitable recess in the top of the plug, a key which is applied 100 to the plug for the purpose of turning it, and an air-vent, substantially as shown.

In witness whereof I have hereunto set my hand this 3d day of November, 1898.

GEO. R. CHEESMAN.

Witnesses:

C. J. WARREN,
S. J. WESTFALL.