

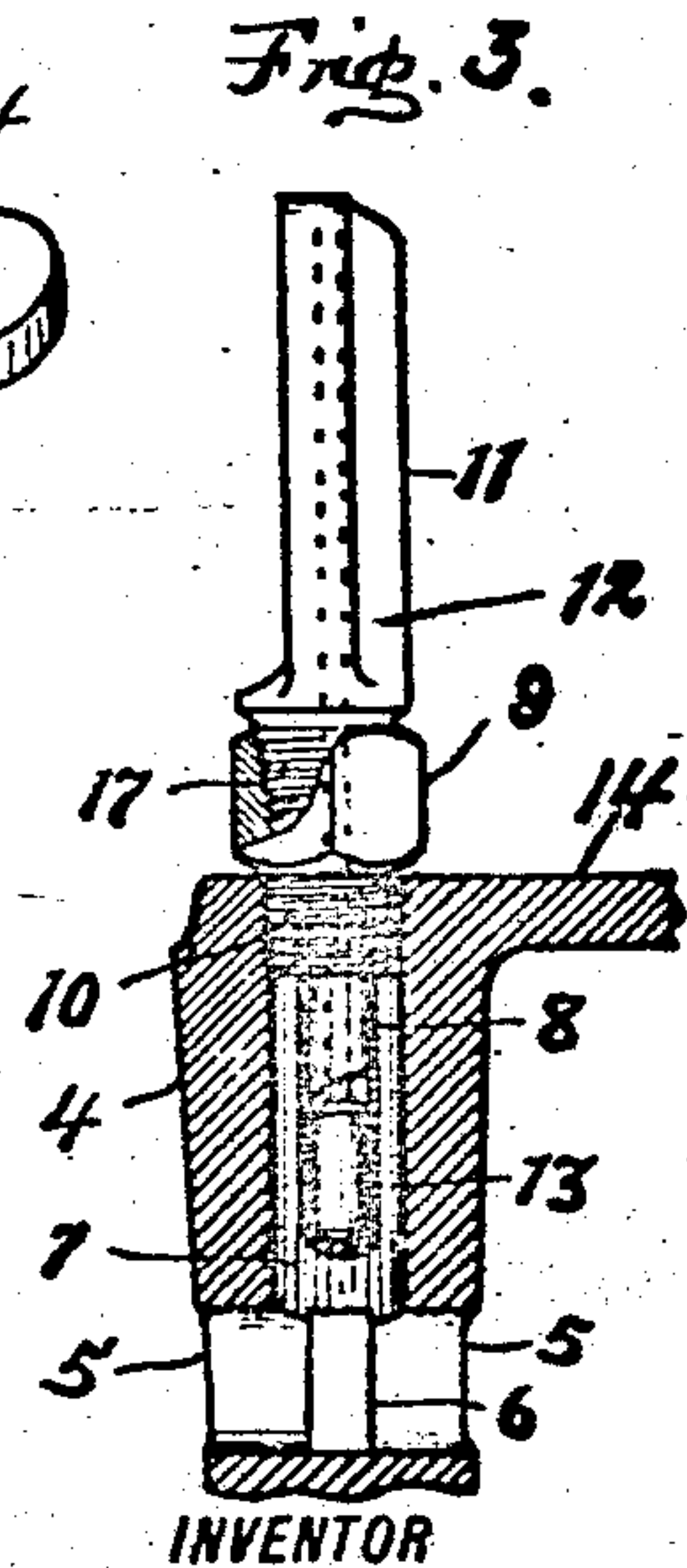
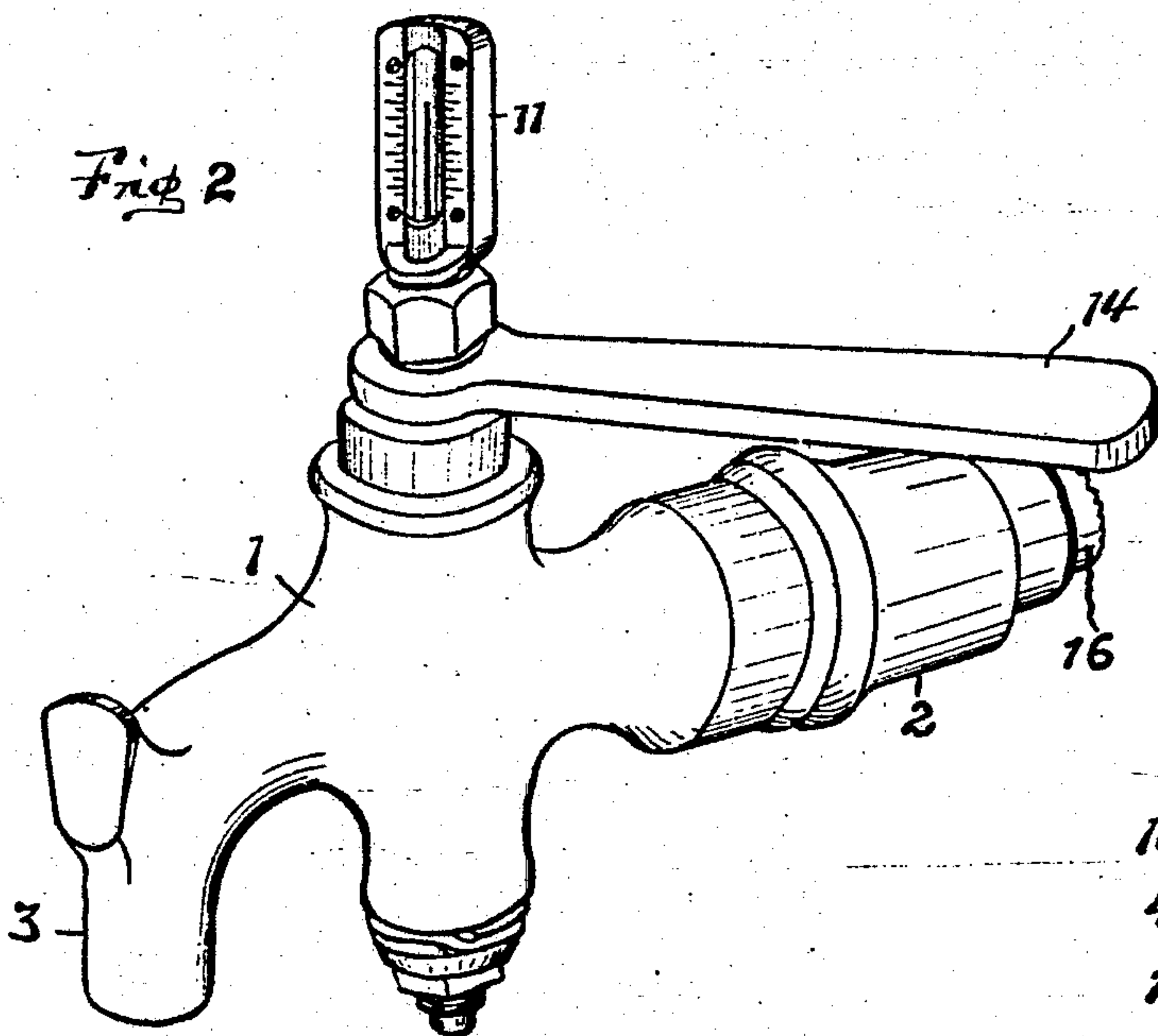
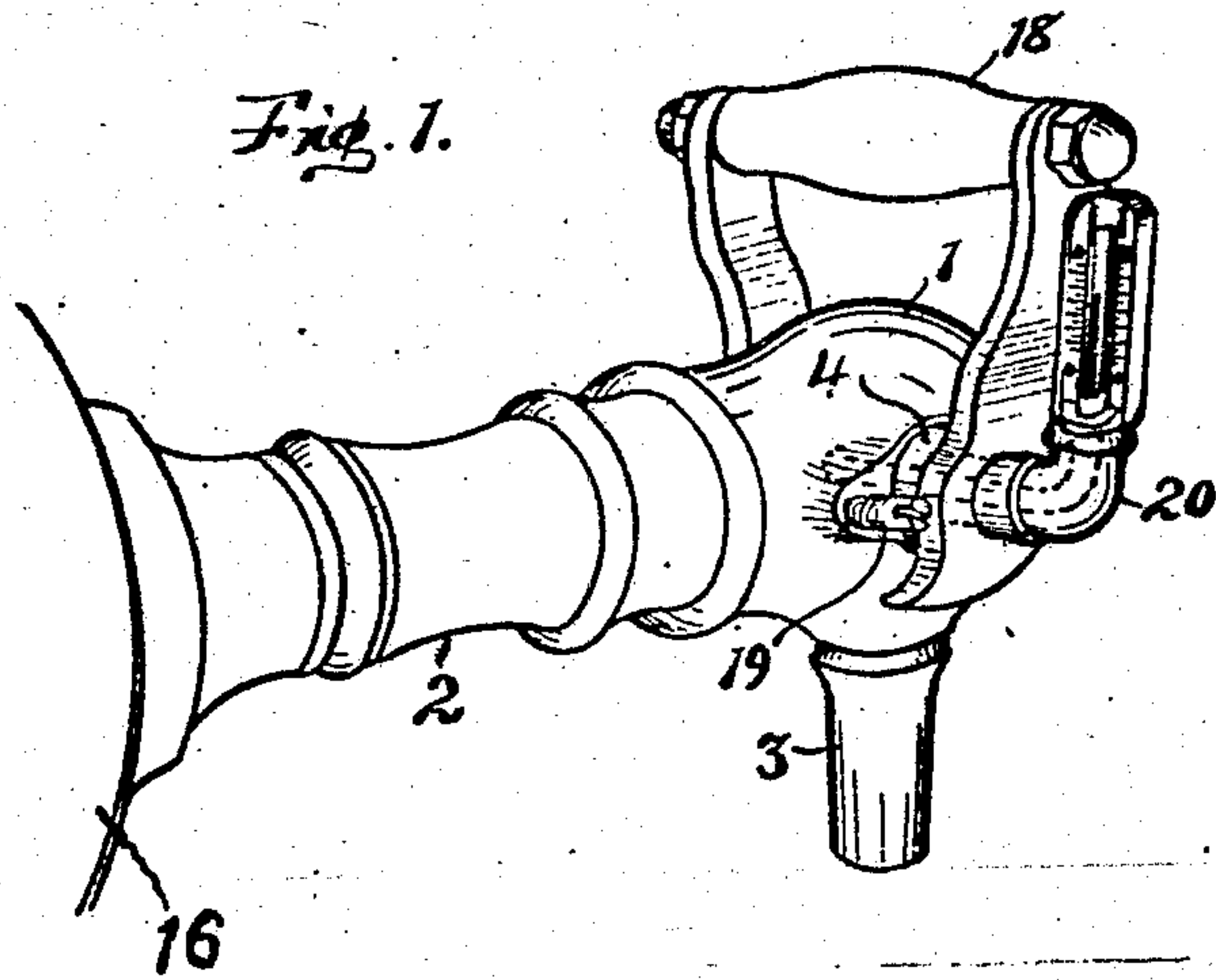
G. BRAYBROOK.

BEER FAUCET.

APPLICATION FILED MAR. 23, 1906.

899,201.

Patented Sept. 22, 1908.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

GARY BRAYBROOK, OF FORT WAYNE, INDIANA.

## BEER-FAUCET.

No. 899,201.

Specification of Letters Patent.

Patented Sept. 22, 1908.

Application filed March 23, 1906. Serial No. 307,568.

*To all whom it may concern:*

Be it known that I, GARY BRAYBROOK, a citizen of the United States, residing at Fort Wayne, in the county of Allen, in the State of Indiana, have invented certain new and useful Improvements in Beer-Faucets; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My present invention relates to improvements in beer-faucets.

It is well known that both draft and bottle beer is exceedingly sensitive to extremes of temperature, and when it is too warm it is unpalatable and unhealthful, and that when it is "chilled" it loses its brightness, brilliancy and effervescence, and injures its flavor, which is best maintained by a temperature of from 42° to 45° Fahrenheit.

The object of my present invention is, therefore, to provide a simple, convenient and reliable means for enabling both the retailer and the customer to ascertain the exact temperature of this beverage at a glance before it is served, thereby insuring its maintenance at a uniform, healthful and popular temperature of about 45° to secure the public patronage.

My invention consists of a novel form of metallic faucet whose valve body has a terminal valve chamber above the pendent delivery nozzle whose inner end is closed by a proper hand operated valve carrying therein a proper mercury thermometer whose lower end is at all times immersed in the liquid of the valve chamber in use.

The principal novel feature of my invention resides in the construction and coöperative arrangement of a mercury thermometer with the controlling valve of a draft beer faucet, whereby both the dealer and the purchaser can readily at all times ascertain at a glance the exact temperature of the beverage.

Similar reference numerals indicate like parts throughout the several views of the drawings in which

Figure 1 is a rear perspective view of one form of my invention in which the thermometer is mounted in a lateral opening in the valve of a common form of beer faucet,

by means of an elbow union. Fig. 2 shows another form of my invention in which the thermometer is mounted in a vertical opening in a common form of valve. Fig. 3 is an enlarged detail of the valve in longitudinal section, broken away in part, and also showing the manner of mounting the thermometer therein to be at all times in contact with the beer in the valve chamber.

The faucet-body may be of any proper or desired form and consists of a hollow valve casing 1 having a tubular shank 2 of any desired contour adapted to be connected to the beer tube 16 in the usual manner, which is secured in the source of supply of the beverage or to a conduit leading therefrom, and a pendent tubular discharge spout 3 communicating at its upper end with the valve chamber.

In that form of my invention shown in Figs. 2 and 3 the valve chamber consists of a central vertical opening in which is rotatably mounted the conical valve 4 having the opposite diametric openings 5 through which the liquid passes to its discharge when they are in register with the central opening of the tubular shank. This valve 4 also has a third lateral opening 6 in approximately right angular arrangement with the said openings 5, whereby the liquid in the faucet will be at all times in contact with the thermometer hereafter described, whether the valve be open or closed. The upper end of the valve 4 has a longitudinal opening 7 leading to and intersecting the said openings 5 and 6 at their inner end, Fig. 3. In the upper end of this opening 7 is removably mounted by a screw-threaded connection a metal tubular casing 8 closed at its lower end having a fixed or integral hexagonal nut 9 upon its upper end provided with a screw-threaded shank or stem 10 adapted to be secured in the upper end of the opening 7. This nut 9 and its stem 10 are hollow, and the nut is internally screw-threaded and adapted to receive and secure the lower externally screw-threaded end 17 of the metallic thermometer casing 11 in which is fixed a suitable thermometer 12 whose mercury bulb 13 extends downward to the bottom of the casing 8 Fig. 3 which is at all times in contact with the liquid in the faucet body and beer tube. The thermometer casing may have either one or two open faces as desired. The valve 4 has a fixed or integral laterally projecting handle 14 by



means of which the valve is operated in the usual manner for opening and closing the faucet.

When it is desired my invention may be used in connection with that common form of faucet shown in Fig. 1 in which the discharge spout 3 is located directly below the valve chamber and the valve 4 is mounted in a horizontal instead of a vertical position therein, and has a common form of operating handle 18 and a stop pin 19 adapted to limit its downward movement. The valve 4 at one side has a lateral opening in which the casing 8 is arranged, in the manner before described, and rigidly secured therein by means of the stem 10 as before. Instead of the nut 9 the stem 10 has a rigid elbow or union 20 into whose internally screw-threaded outer upturned end the thermometer casing 11 is mounted by a screw-threaded connection, as in Fig. 3. In the elbow 20 and the casing 8 is arranged the thermometer bulb 8, being first properly bent for that purpose. In this form of my invention the inner end of the casing 8 is also at all times in direct contact with the liquid in the valve chamber. Obviously if desired the thermometer casing 11 can be made integral with the nut 9 and casing 8.

It is evident that when my improved beer faucet is placed in position for use the thermometer is so mounted therein in both of the modified forms above described, as to be at all times in direct contact with the liquid, which is at all times within the faucet and of the same temperature as the body of liquid with which it is directly connected, and of which it forms a component part, whereby both the operator and the patron can ascertain at a glance, before the beverage is drawn, whether it has a palatable, proper and desired temperature. The thermometer should always be so placed that the patron can conveniently take the temperature of the beer before he gives his order.

Having thus described my invention and the manner of employing the same, what I desire to secure by Letters Patent is:

1. In a beer-faucet the combination of a valve casing; a valve rotatably mounted in the casing; a thermometer casing so mounted in the valve as to have its inner end at all times in contact with the liquid in the valve casing

for the purpose described; and a thermometer mounted in the thermometer casing with its upper end exposed to view.

2. The combination in a beer faucet of a faucet casing having a valve chamber therein; a valve operatively mounted therein; a tubular casing mounted in the valve with its lower end in contact with the liquid contents of the faucet; and a thermometer mounted in the tubular casing with its outer end exposed to view.

3. A beer faucet having a controlling valve in which is fixed a thermometer with its inner end in such relation to the liquid in the faucet as to indicate the temperature thereof, for the purpose specified.

4. In a beer faucet, the combination with the casing thereof having a valve chamber therein, of a valve rotatably mounted in said casing and provided with a passage for the beer, said valve being also provided with a longitudinal bore the upper portion of which is screw-threaded, a casing arranged in said bore and engaged with the screw-threaded portion thereof, a thermometer casing carried by the first-mentioned casing, and a thermometer arranged in the thermometer casing and projecting into the first-mentioned casing to be held thereby in contact with the liquid to be dispensed.

5. In a beer faucet, the combination with the casing thereof having a valve chamber therein, of a valve rotatably mounted in said casing and provided with a passage for the beer, said valve being also provided with a longitudinal bore the upper portion of which is screw-threaded, a casing arranged in said bore and provided at its upper end with a head engaged with the screw-threaded portion of said bore, a thermometer casing carried by the first-mentioned casing, and a thermometer arranged in the thermometer casing and projecting into the first-mentioned casing to be held thereby in contact with the liquid to be dispensed.

Signed by me at Miami in the county of Dade and the State of Florida, this 14th day of March, A. D. 1906.

GARY BRAYBROOK.

Witnesses:

V. A. RUTHERFORD  
RUBY LASSETER.