(No Model.)

C. HARTH.

DEVICE FOR DRAWING STEAM BEER.

No. 515,470. Patented Feb. 27, 1894.

Fig. 1.

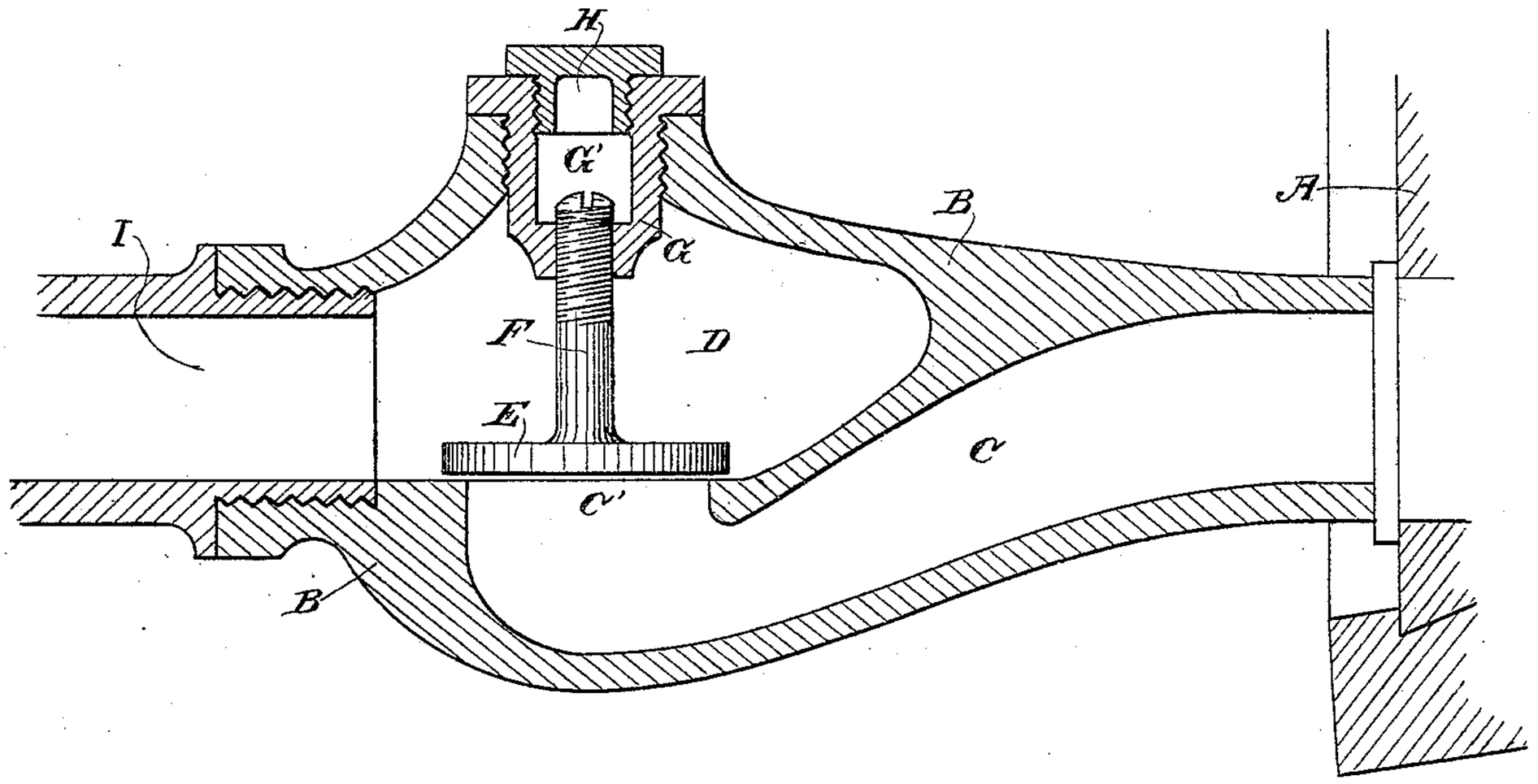
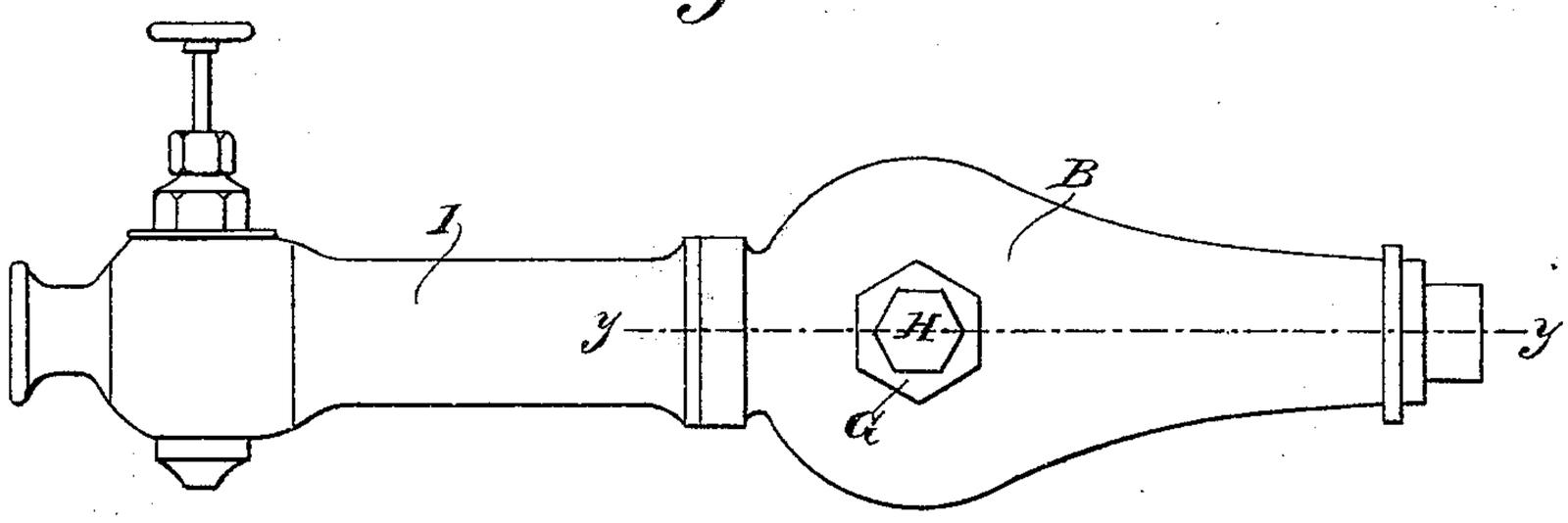


Fig. 2.



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DEVICE FOR DRAWING STEAM-BEER.

SPECIFICATION forming part of Letters Patent No. 515,470, dated February 27, 1894.

Application filed July 13, 1893. Serial No. 480,413. (No model.)

To all whom it may concern:

Be it known that I, CONSTANT HARTH, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Devices for Drawing Steam-Beer; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a device for drawing beer under a heavy head or pressure of gas. This class of fresh beer is known as steam beer in distinction from lager and other kinds which take longer in making and have not so great a pressure of gas in them. This beer is usually made and placed in casks which are delivered at places where beer is to be sold by the glass, and the beer is drawn directly from the cask. The pressure of the gas is so great, however, that it is almost impossible to draw the beer without allowing some of the gas to escape, which produces a great deal of foam, and after the cask is more than half empty, there is not enough pressure left to keep the beer in a lively condition.

My invention consists in the interposition of a chamber or receiver between the cask and the drawing off faucet, and in certain details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a horizontal cross section of the receiver on line *y—y* of Fig. 2. Fig. 2 is a view of the faucet complete.

A is the cask, and B is the outer case of the receiving chamber which has one end adapted to be fitted into the cask in any suitable or desired manner. C is a chamber and passage within this case communicating directly with the cask and curving to one side into the second chamber where it makes a turn at approximately right angles with its first direction and terminates in a passage as shown at C′ which leads into the second portion D of the receiving chamber. The device is fixed in the cask so that the chambers C C′ and D are in a horizontal plane, and not one above the other.

Within the chamber D is a valve E which is adjustable with relation to the seat through which the passage C′ opens into the chamber D. This adjustment is produced by means of the screw-threaded shank F of the valve fitting corresponding screw-threads in the socket-piece G. This piece is screwed into an opening in that part of the chamber D directly opposite to the opening C′ and valve C, and in line therewith. This socket piece G has a chamber G′ made within it, into which the end of the shank F projects. This chamber is normally closed by a screw-cap H and when this cap is removed access is obtained to the chamber G′, and by means of a screw driver or other tool, adapted to fit the exposed end of the shank F, the valve E is accurately adjusted with relation to its seat. This adjustment is so made as to leave a small space around the periphery of the valve between it and its seat, and through this the beer escapes slowly into the chamber D, the greater portion of the gas being retained in the chamber C C′ so that the beer passes in a comparatively solid condition from the chamber D into the faucet I which screws into the outer end of the receiver B as shown. When the faucet is closed and the pressure is equalized within all parts of the chambers C and D, any gas which remains therein will naturally flow back into the cask, being displaced by the liquid which then fills the faucet and the chamber. In this manner I am enabled to draw the beer directly from the cask in a comparatively solid condition, with but little or no escape of gas, and the gas which does pass into the chamber, will immediately pass back into the cask by displacement as soon as the draw off cock or faucet is closed.

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

1. The combination with a cask within which beer or liquid impregnated with gas is contained, of an intermediate receiver formed with internal horizontally disposed chambers C and B and a connecting passage, a valve within the receiver adjustable with relation to said passage, and a discharge passage and draw off cock substantially as herein described.

2. A device for drawing steam beer consisting of the receiving chamber adapted to fit the cask and comprising the horizontally disposed separate chambers formed within the receiver with an intermediate passage and valve seat, a valve within the receiver adapted

to control said passage, and means for adjusting the valve to increase or diminish the space between the chambers, and a draw off cock or faucet connected with the chamber most distant from the cask, substantially as herein described.

3. A device for drawing steam beer consisting of the horizontally disposed chambers C and D with the intermediate connecting passage, a valve adapted to close said passage having the screw-threaded stem, and means for adjusting the valve consisting of a socket piece through which the stem passes, and the head formed upon the outer end of the stem to receive the tool for the adjustment of the valve, together with the closing cap H, substantially as herein described.

In witness whereof I have hereunto set my hand.

CONSTANT HARTH.

Witnesses:
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