

W. A. TRAVER.

Improvement in Faucets.

No. 132,036.

Patented Oct. 8, 1872.

Fig. 1.

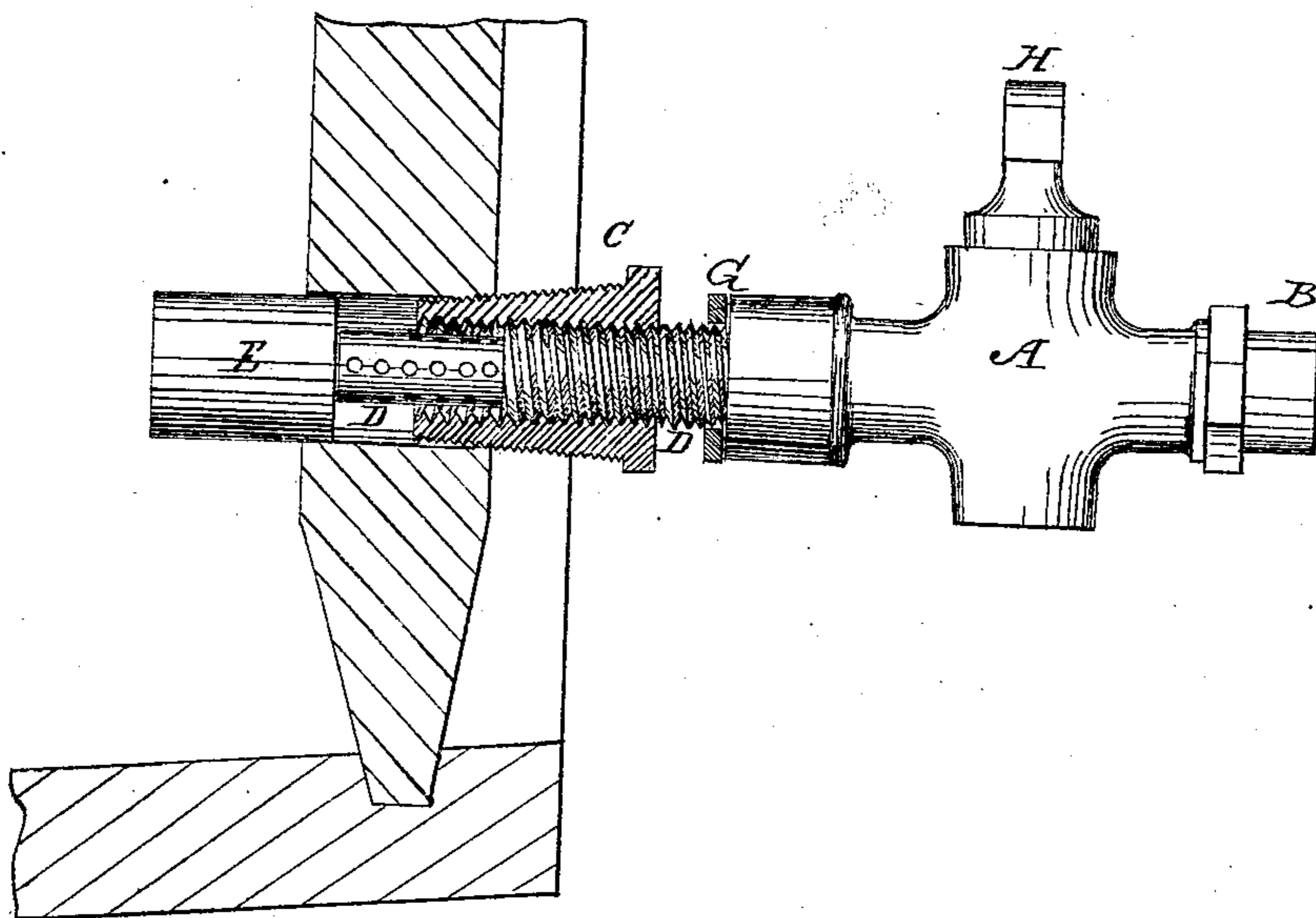
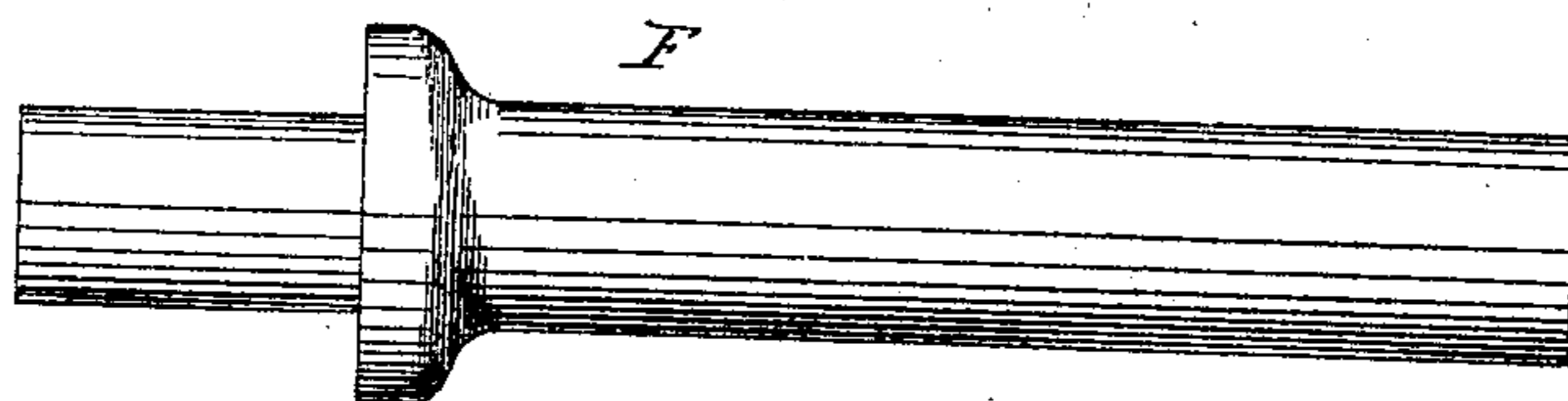


Fig. 2.



Witnesses:

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WILLIAM A. TRAVER, OF RHINEBECK, NEW YORK.

IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. 132,036, dated October 8, 1872.

To all whom it may concern:

Be it known that I, WILLIAM A. TRAVER, of Rhinebeck, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Faucets, of which the following is a specification:

The object of this invention is to provide ready and convenient means for inserting faucets into barrels containing beer or other liquid or fluid under pressure without wasting the contents, and so constructing it that it will fit tap-holes of different size, the construction and arrangement being as hereinafter more fully set forth and described.

In the drawing accompanying this specification, Figure 1 represents the improved faucet applied to the barrel, the figure being partly in section; and Fig. 2 is a view of the plug-starter, an article used in combination with the faucet.

Similar letters of reference indicate corresponding parts.

A is the faucet, which, as regards its operation after it is inserted, does not differ from faucets of ordinary construction where the contents are to be forced upward through a pipe; and my improvement may be applied to faucets of any description. The discharge-pipe in this faucet is attached to the end B, as is usual in such cases. The other end of the faucet is provided with a taper-sleeve, C, which screws onto the faucet-tube and into the barrel, as seen in the drawing. D is the faucet-tube, a portion of which extends beyond screw-thread, and is perforated to admit the fluid. E is the plug, which fills the tap-hole in the head of the barrel before the faucet is inserted. This plug is driven back to the position seen in the drawing by means of the starter F, Fig. 2. The faucet is then inserted and the sleeve-screw C is tightly screwed into the plug-hole, as represented, so that there can be no escape of beer or gas when the plug is driven entirely through the head. This latter operation is performed by screwing the faucet into the sleeve. The plug is forced through by the perforated end, and the faucet is screwed up so as to com-

press the packing-ring G against the end of the sleeve when the operation is completed. The pipe or hose having been attached, the cock H may now be turned and the contents of the barrel will be forced upward by the gas in the barrel.

The gas contained in a barrel of ale is sometimes of sufficient pressure to burst the barrel, and ordinarily it requires extreme caution in inserting the faucet to prevent the loss of a good portion of the contents, and more or less loss is inseparable from the operation with the ordinary faucet.

By the use of my taper-sleeve faucet and starter F, or its equivalent, the operation may be performed in the dark, if necessary, and without waste. Any slight variation in the size of the tap-hole is provided for by the tapering form of the sleeve C. This form of sleeve is an essential feature of the invention, as the tap-holes of beer-barrels are not of uniform size.

This faucet is not confined exclusively to ale or beer barrels, but may be applied to all barrels or vessels containing fluids under pressure for preventing the waste of liquids or gases.

I am aware that faucets have been used which screw within a nut so as to expel the plug into the barrel as the faucet is brought into water-tight connection with the barrel; but apertures in which the plug is inserted vary greatly in casks of the same measure. Hence, it becomes very important to secure a nut which can be adjusted to suit the circumference of any hole likely to be found.

What, therefore, I claim as my invention, and desire to secure by Letters Patent, is—

The faucet A, having threaded stem D, packing G, and tapering sleeve C, threaded on the inside and outside, as described, so that the same faucet may be applied to any ordinary plug or plug-hole, as set forth.

WM. A. TRAVER.

Witnesses:

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