

(No Model.)

E. P. J. FREEMAN.

FAUCET.

No. 385,108.

Patented June 26, 1888.

Fig. 1.

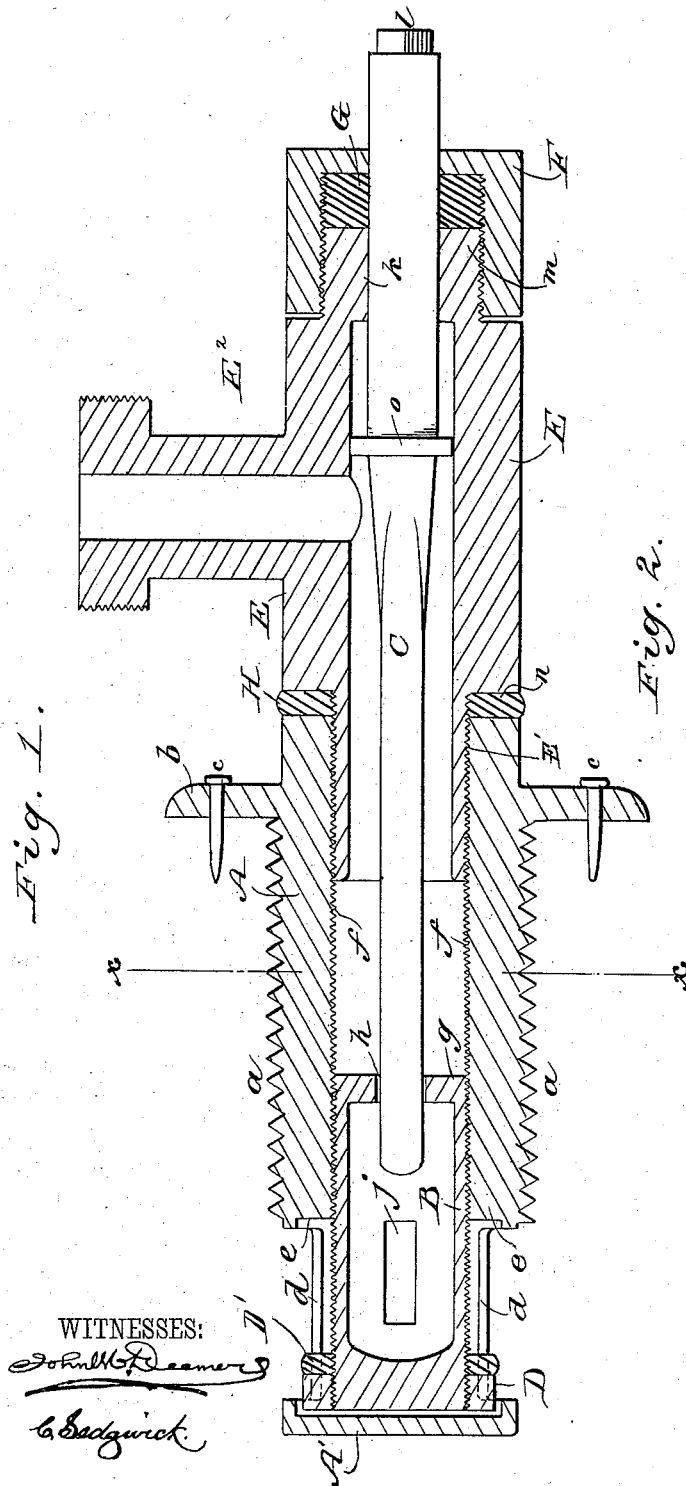
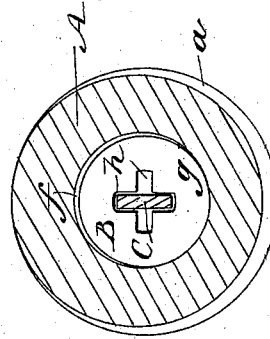


Fig. 2.



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# UNITED STATES PATENT OFFICE.

EDWIN P. J. FREEMAN, OF ROSLYN, NEW YORK.

## FAUCET.

SPECIFICATION forming part of Letters Patent No. 385,108, dated June 26, 1888.

Application filed January 28, 1888. Serial No. 262,239. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN P. J. FREEMAN, of Roslyn, in the county of Queens and State of New York, have invented a new and Improved Faucet, of which the following is a full, clear, and exact description.

The object of my invention is to provide a practical safety-tap and faucet combined, to be used for all kinds of barrels and casks, particularly beer and ale barrels, to save re-heading of barrels; and to this end my invention consists, principally, of a hollow metal tap screw-threaded upon its outer and inner surfaces to be screwed permanently into the barrel, a screw-threaded stopper or plug screwed into the inner end of the tap, and an outer faucet to be screwed into the hollow metal tap, the same being provided with a rod or blade for screwing back the plug.

The invention also consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal sectional elevation of my new and improved faucet and safety-tap combined, and Fig. 2 is a transverse sectional elevation of the same taken on the line *xx* of Fig. 1.

A represents the metal tap, formed with the external screw-threads, *a*, for screwing it permanently into the barrel. It is formed with the flange *b*, for securing it to the barrel-head by means of nails or screws *cc*. At its inner end the tap A is formed or provided with the guard or cap A', connected to the main body of the tap by the narrow plates *d d*, which in no manner materially obstruct the flow of liquid to the interior of the tap. The cap A' is to hold and protect the plug B, which is externally screw-threaded to match the internal screw-threads of the tap A. The plug B is tubular in form, closed at one end by the solid portion *g*, in which are formed slots *h*, or other suitable openings, to receive the inner end of the rod or blade C, for turning the plug B in either direction in the tap A, for opening or closing said plug. On the opposite end of the said

plug B is screwed a collar, D, faced with packing D', and forming a flange which is pressed against the shoulder *e* of the plug A when the plug is closed, to make a perfectly liquid-tight joint. In front of the packing D' the plug B is slotted, as shown at *j*, to permit the flow of liquid when the plug is screwed back by the rod or blade C. The said rod or blade C is held to turn in an opening, *k*, at the closed outer end of the faucet E, so that when the said faucet is applied to the tap A and its reduced externally-screw-threaded end E' screwed into the tap the inner end of the rod or blade C will enter the slot or opening *h*, so that by applying a wrench to the outer square end, *l*, of the rod or blade the same may be turned easily for turning the plug B in either direction for opening or closing the tap A, as circumstances require.

The outer end of the faucet E is reduced and screw-threaded, as at *m*, and on this reduced portion is screwed the cap F, which fits over the blade C and contains the packing G to form a liquid-tight joint above the rod or blade C.

Between the outer end of the tap A and the shoulder *n* of the faucet E is placed the packing H to form a liquid-tight joint between the faucet and tap.

The liquid escapes from the faucet E through the side branch, E', to which a tube may be applied, if desired; or a stop-cock may be put into said branch.

The rod or blade C is formed with a stop-flange, *o*, to prevent the blade from being drawn too far out of the faucet.

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

The tap A, externally and internally screw-threaded and formed with the guard or cap A' and separated plates *d*, in combination with the externally-screw-threaded plug B, having flanged cap-nut D, packing D', and openings *j h*, and the faucet E, rod or blade C, packing H, cap-nut F, and packing G, substantially as described.

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