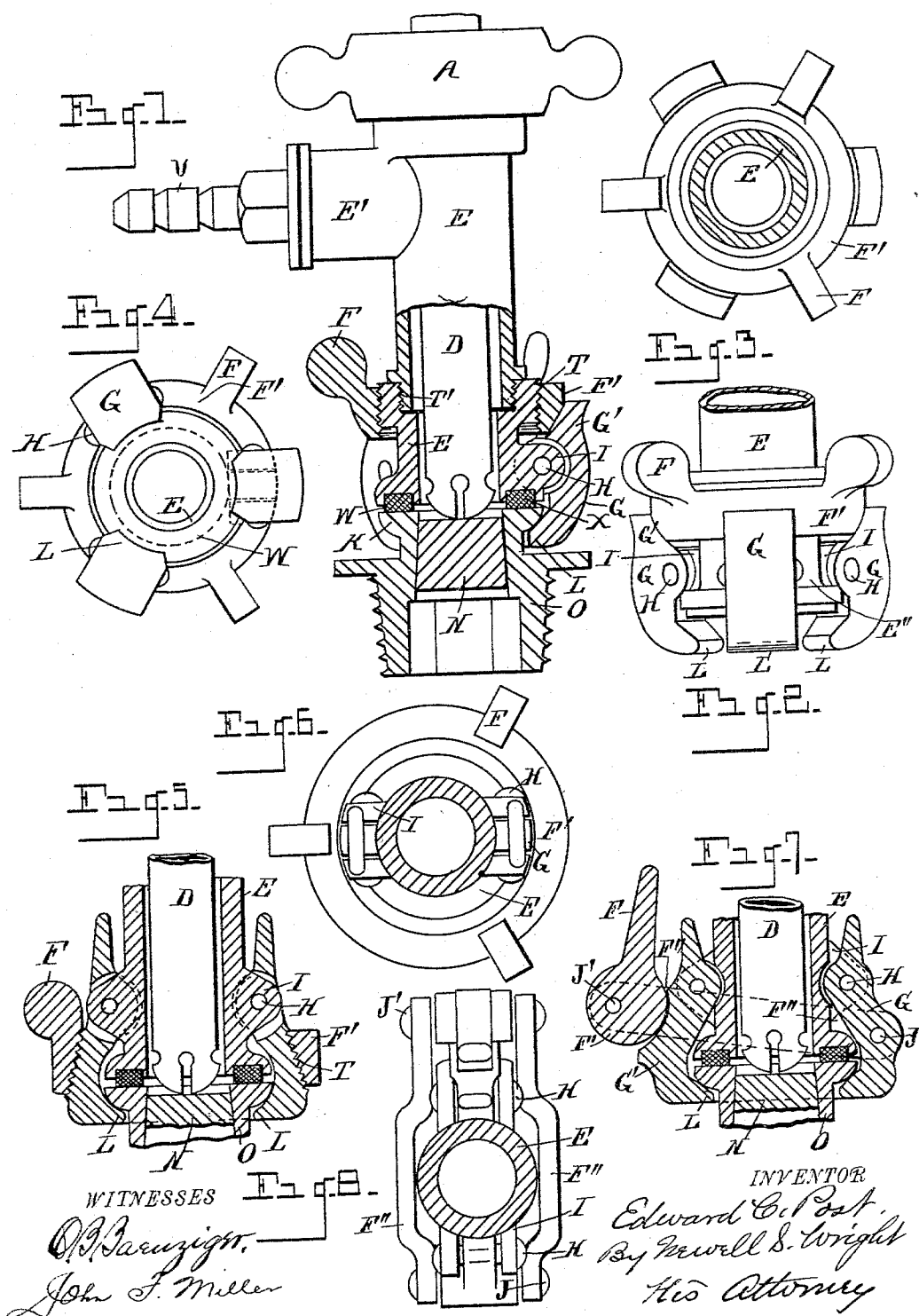


(No Model.)

E. C. POST.
BEER TAP.

No. 569,800.

Patented Oct. 20, 1896.



UNITED STATES PATENT OFFICE.

EDWARD C. POST, OF MONROE, MICHIGAN.

BEER-TAP.

• SPECIFICATION forming part of Letters Patent No. 569,800, dated October 20, 1896.

Application filed September 7, 1895. Serial No. 561,825. (No model.)

To all whom it may concern:

Be it known that I, EDWARD C. POST, a citizen of the United States, residing at Monroe, in the county of Monroe and State of Michigan, have invented certain new and useful Improvements in a Coupling Device for Various Uses, the same being more especially designed and adapted for beer, ale, or other liquid taps, by means of which the bodies of the taps are securely fastened to a tap-hole bushing in a barrel or package, of which the following is a specification, reference being had therein to the accompanying drawings and letters of reference marked thereon.

My invention consists in the construction of that class of taps that are more particularly employed for making tap connection with barrels or packages from which beer, ale, or other liquids are drawn under pressure and delivered at some distance from the barrel or package.

In the drawings, Figure 1 is a partial, vertical, central, longitudinal section through my improved tap, as connected or coupled to a tap-hole bushing. Fig. 2 is a side view of the same. Fig. 3 is a horizontal section through the body of the tap. Fig. 4 is a bottom view of the same. Fig. 5 is a vertical, central, longitudinal section of the lower part of my improved tap, showing a different style of dogs. Fig. 6 is a horizontal section of the same. Fig. 7 is a vertical, central, longitudinal section of the lower part of my improved tap, showing another style of connections. Fig. 8 is a horizontal section thereof.

In another pending case filed by me of even date herewith for a device of this nature, Serial No. 561,826, I have shown the body of the tap provided with a cam to actuate a pivoted dog.

E is the hollow body of my improved tap, having the stuffing-box A and branch E', as is common in this style of taps. The lower part E'' of the tap may be attached to the body E by means of a thread T' if it is desired to make use of the upper part of some old tap. The lower part E'' has an upper threaded portion T, which engages the cone-shaped nut F', and may be screwed up or down on the thread by means of the handles or ears F. Below the

threaded portion T the projections or brackets I are provided, to which the dogs G are hung by pins or rivets H. The dogs G have upper extensions G', which may be faced off conical on inside for engaging with the conical nut F'. The lower ends of the dogs G terminate in the jaws L, which are intended for engaging under the flange K of the bushing O. When the nut F' is screwed down and its conical face presses against the conical surfaces G' of the dogs G, the pins H act as fulcrum-points for the dogs G and the lower jaws L are forced inwardly, engaging under the flange K of the bushing O, whereby the body of the tap is drawn down onto the face of the bushing O and a tight joint is insured by the packing X.

I prefer to bevel the upper or engaging faces of the jaws L in order to take up the slack between the two faces of the coupling. It will be obvious that as the upper ends of the dogs G are spread to tighten the jaws on the coupling member or bushing each variation of the distance between the dogs will cause their jaws to contact at a different point on the coupling member or bushing.

In the style of coupling device illustrated in Figs. 5 and 6 the threaded portion T of the body E' is dispensed with and a conical thread is cut onto the outer faces of the dogs G. The nut F', having a conical thread, will, when screwed down, force the jaws L of the dogs G inwardly, whereby the jaws are firmly set under the flange K of the bushing O, insuring a tight joint with the packing X.

In the style illustrated in Figs. 7 and 8 the threads are dispensed with altogether, the dogs G being actuated by means of the cam F' and the links F''.

I do not confine myself to the specific shapes of the dogs G, but they may be made in any convenient shape to best answer the respective requirements.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a coupling device for the purpose described, a hollow body, dogs G fulcrumed to the lower portion of said body and provided with jaws L at their lower extremities, and a nut having a threaded engagement with the lower portion of said body above the fulcrums

of the dogs and on the inside of said dogs to actuate the dogs and set said jaws, substantially as set forth.

2. In a coupling device for the purpose described, the combination of a hollow body provided with a lower portion E^2 having a threaded engagement therewith and forming a part of said lower portion of the body, dogs G fulcrumed to said body formed with jaws I , and means to actuate said dogs, said dogs

having a beveled engaging face to take up the slack between the two faces of the coupling, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD C. POST.

Witnesses:

JOHN E. MOLONEY,
CHARLES SCHWARTZ.