

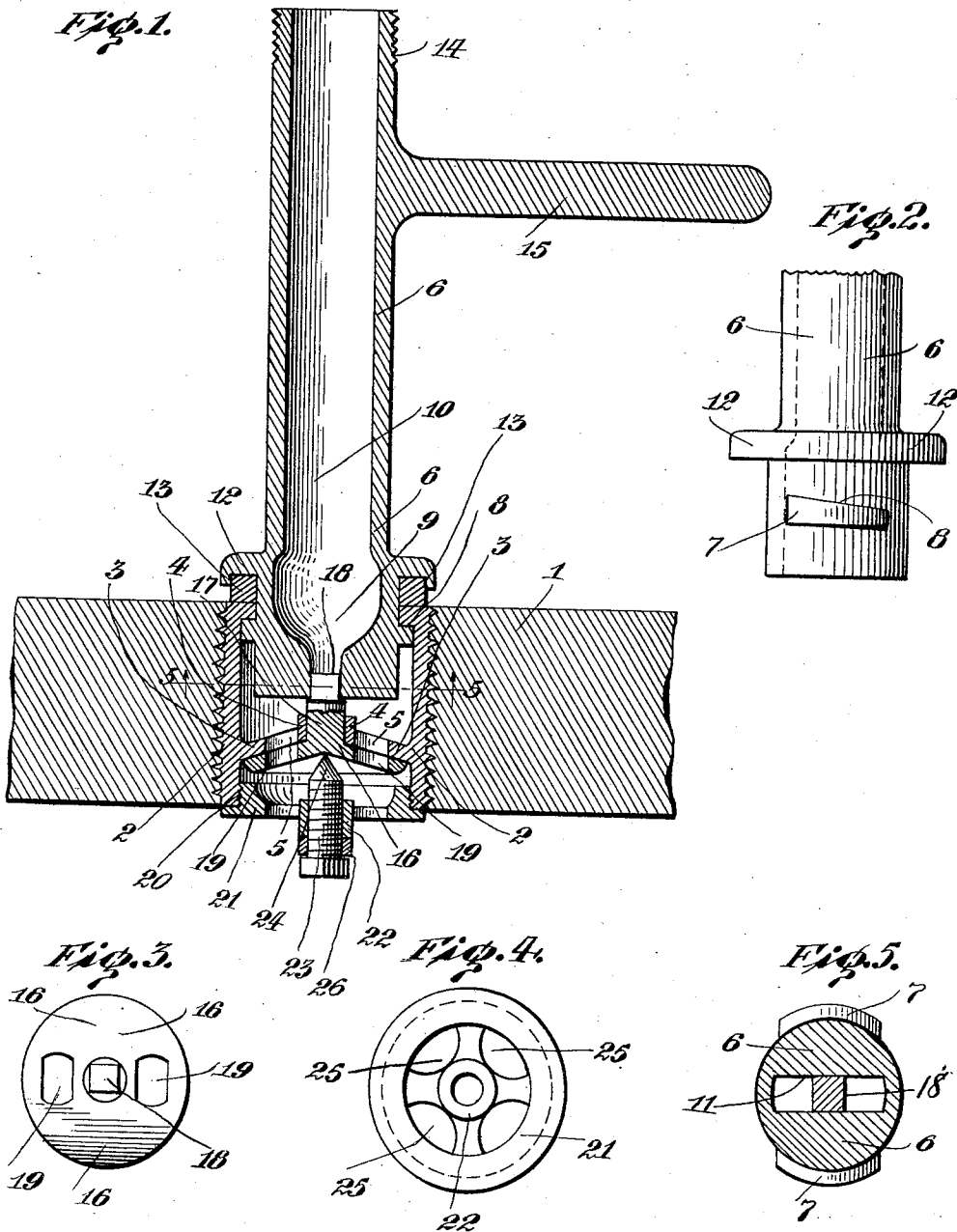
H. HILDENBRAND.

BARREL TAP.

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1,062,779.

Patented May 27, 1913.



Witnesses:
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UNITED STATES PATENT OFFICE.

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BARREL-TAP.

1,062,779.

Specification of Letters Patent.

Patented May 27, 1913.

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To all whom it may concern:

Be it known that I, HENRY HILDENBRAND, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Barrel-Taps, of which the following is a specification.

The invention relates to improvements in barrel taps and has particular reference to that type of device utilized in connection with diverse types of containers adapted to receive fluids under gas pressure.

The object of the invention is the providing of a device adapted to be permanently placed within the head or other suitable portion of a barrel or other container having associated therewith a valve adapted to be operated by the single turn of the spigot obviating the necessity of a multiplicity of turns in order to open and close the actuated valve.

In the following is described in connection with the accompanying drawings one embodiment of the invention, the features thereof being more particularly pointed out hereinafter in the claims.

In the drawings,—Figure 1 is a vertical sectional view of the device illustrating in connection therewith the position the spigot assumes with relation to the valve; Fig. 2 is an enlarged detail side elevation of the lower end of the spigot illustrating in detail the manner in which the spigot is held in place in relation to said valve; Fig. 3 is a plan of the valve; Fig. 4 is a view of the lower side of the lower retaining cap; and Fig. 5 is a cross sectional view on the line 5—5 of Fig. 1 of the spigot.

Similar numerals of reference indicate similar parts throughout the several views.

In the drawings, 1 indicates the general outline of a barrel or other container having permanently mounted therein a threaded sleeve 2 which has cast integrally therewith at its central body portion a web 3 extending diametrically across said sleeve 2 to form a valve seat and having at its central portion a hub 4 and adjacent to said hub 4 apertures 5, the object of which is hereinafter described. Sleeve 2 has formed at its upper end diametrically opposite, inwardly extending portions. The spigot 6 is provided at its lower end on its outer sides with lugs 7 having their upper surfaces beveled

as at 8 to engage the under surface of the inwardly extending portions of cap 2. The lower end of spigot 6 is formed into a neck 9 which merges into a fluid passageway 10 for the passage of the fluids therethrough, the extreme lower portion of neck 9 being adapted to act as a valve engaging jaw as at 11. Spigot 6 has also formed thereon a shoulder 12 having mounted immediately beneath it a gasket 13 for sealing the parts together when actuated. The upper end of spigot 6 is threaded as at 14 to receive any suitable form of faucet or nozzle as desired and has cast integrally therewith a handle 15 for operating purposes. Valve seat 3 has mounted therein a valve 16 provided with a vertically extending shank 17, the extreme upper end of which is formed into a square actuating head 18, valve 16 being conical in shape and conforming to the contour of web 3 and having formed therein apertures 19 adapted to be brought into alinement with the apertures 5 in web 3 when valve 16 is turned to an open position by means of handle 15 of spigot 6, the head 18 of said valve 16 being adapted to engage the jaw 11 on the extreme lower end of said spigot 6.

The lower inner end of valve sleeve 2 is internally threaded as at 20 to receive cap 21 which is provided at its center with a bearing 22 having mounted therein a set screw 23 provided at its upper inner end with a beveled end 24 adapted to engage the valve 16 and hold it against its seat, said set screw 23 being held in permanent position in said cap 21 by means of locknut 26, said cap 21 being provided with a plurality of apertures 25 for the purposes of forming ready communication between the inner recesses of the container or barrel when valve 16 is placed in an open position, which is obtained by substantially a quarter turn of the spigot 6 which brings the apertures 5 and 19 into direct alinement thereby permitting the free passage of the fluids through the respective apertures therein up through the jaw 11 into the fluid passageway 10 of said spigot 6, a like turn being necessary to close the valve.

In devices of this nature an air intake valve must be utilized in connection with the device as above described and does, in a great many instances, form a permanent part of the container or barrel and for this purpose a valve identical with the valve as

above described is used, only it may be of either a larger or smaller type of structure, the details thereof being the same.

It is obvious that the device as herein shown and described may be varied in many ways without departing from the spirit of the invention.

What I claim and desire to secure by Letters Patent of the United States is:—

10 1. A device of the character described comprising a valve casing having cast integrally therewith a diametrically extending web provided with a central hub and fluid
15 passage apertures the under portion of said web being adapted to form a valve seat, a valve mounted in said valve seat and said
central hub, provided with fluid passage apertures, a shank provided with a head for
20 actuating said valve, a spigot mounted within said valve casing and engaging the actuating head on said valve, a cap detachably
mounted in said valve casing having formed therein a bearing, and a set screw mounted
25 in said bearing for holding said valve against its seat.

2. A device of the character described comprising a valve casing having cast in-

tegrally therewith a diametrically extending web provided with a central hub and fluid
passage apertures, the under portion of said web forming a valve seat, a valve mounted
30 in said web conforming to said valve seat and provided with fluid passage apertures adapted to register with the apertures in
said web and having a shank formed with an actuating head, a spigot adapted to be
35 mounted in said valve casing provided at its lower end with a neck adapted to engage said actuating head on said valve shank, a
cap mounted in said valve casing provided with a bearing and fluid passage apertures,
40 a set screw mounted in said bearing provided with a conical end adapted to engage the valve, and a locknut mounted on said
set screw engaging said bearing in said cap and adapted to hold said set screw and
45 valve in place in said valve casing.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

HENRY HILDENBRAND.

Witnesses:

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