No. 888,212. PATENTED MAY 19, 1908.

R. S. WIESENFELD.

COMBINED SPIGOT AND ESCAPE VALVE.

APPLICATION FILED NOV. 12, 1907.

Fig. 1.

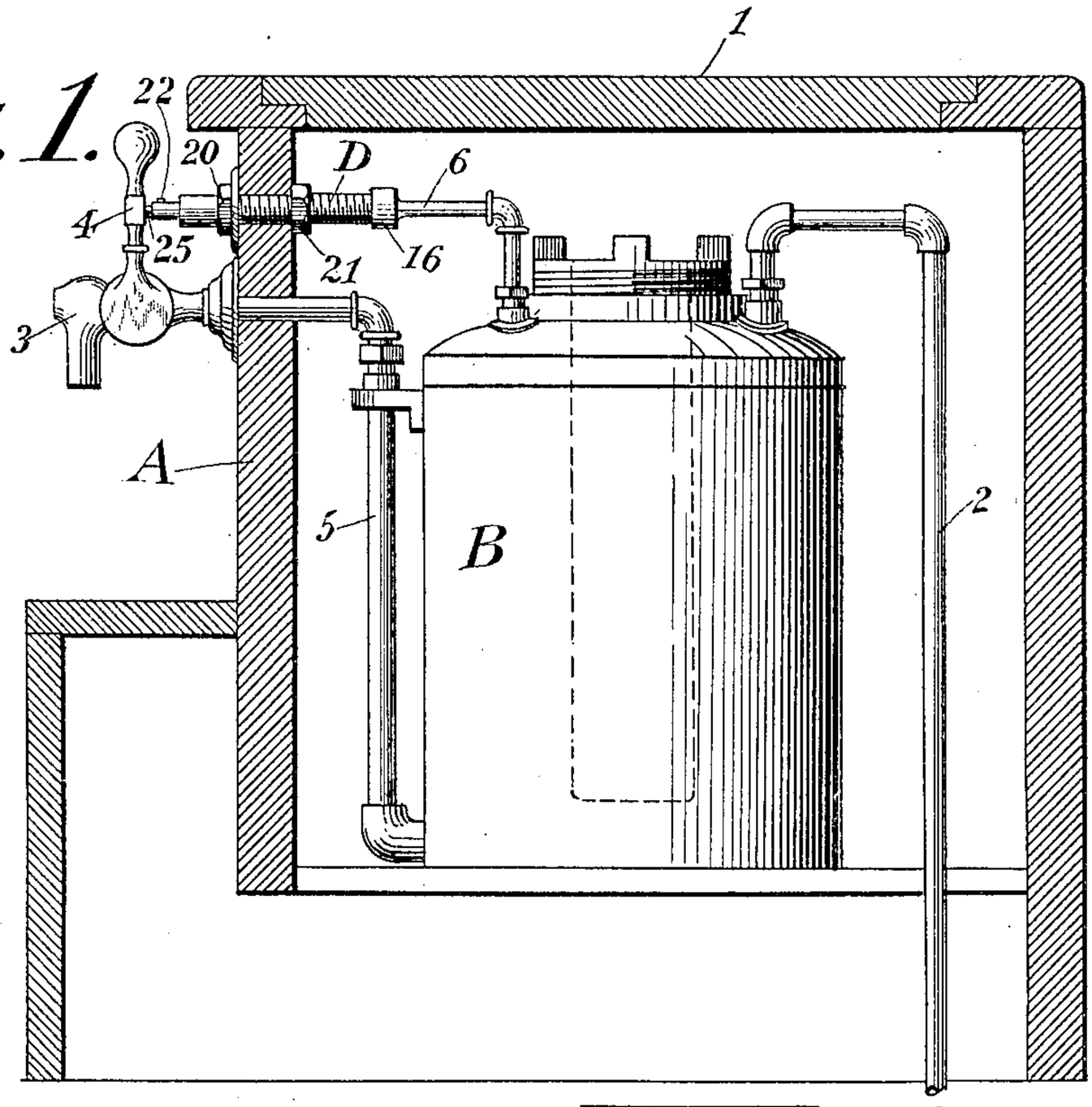
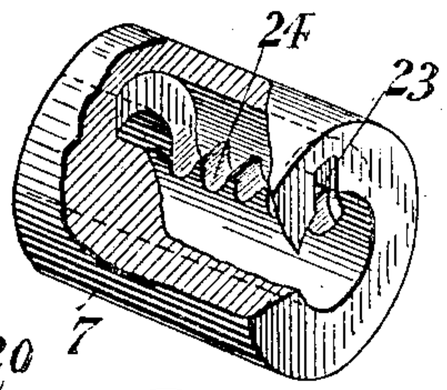


Fig. 3.



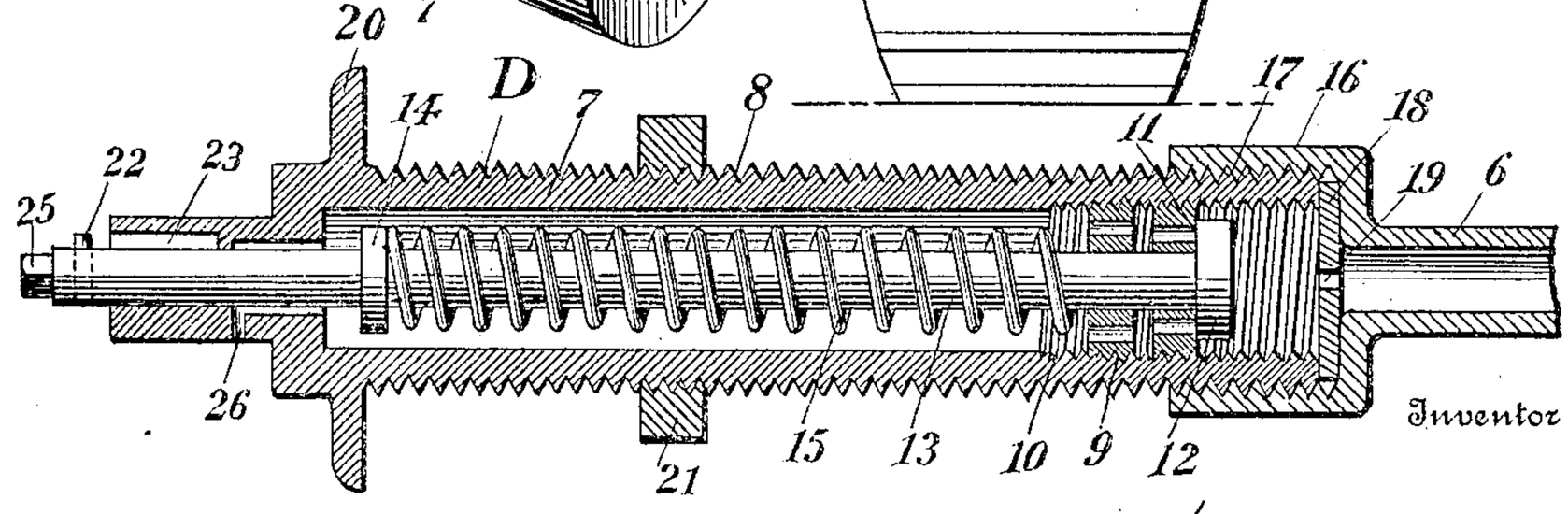


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT S. WIESENFELD, OF BALTIMORE, MARYLAND.

COMBINED SPIGOT AND ESCAPE-VALVE.

No. 888,212. Specification of Letters Patent. Patented May 19, 1908.

Application filed November 12, 1907. Serial No. 401,828.

To all whom it may concern:

Be it known that I, ROBERT S. WIESENFELD, a citizen of the United States, residing at Baltimore city, State of Maryland, have invented certain new and useful Improvements in a Combined Spigot and Escape-Valve, of which the following is a specification.

My invention relates to an improvement in a combined spigot and gas escape valve and more particularly adapted to that class of spigots used for the purpose of withdrawing carbonated liquids or other gaseous liquids under pressure.

With the foregoing object in view, my invention consists of certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claims.

In the accompanying drawings Figure 1 is an elevation view of the invention; Fig. 2, is a longitudinal section through the escape valve; Fig. 3, is a detail partly in section of the end of the escape valve casing showing the locking notches.

A, represents an ice chest such as is ordinarily used in a bar room and usually forming a part of the bar fixture and is provided with a detachable cover 1; D is a receptacle for holding and cooling the liquid; C is an ordinary barrel or key containing the liquid in the first instance and is the source of supply for the receptacle B.

2 is a supply pipe connecting the barrel or keg C with the receptacle B; 3 is a spigot (commonly called a beer spigot) such as is ordinarily used in withdrawing liquids of that character, the construction of which being so well known to those skilled in the art to which it appertains as to demand no further description here; 4 is a lever handle by which the spigot 3 is operated; 5 is a supply pipe connecting the spigot 3 with the receptacle B; D represents the escape valve, secured in the ice chest or fixture A, extending therefrom, above, and in line with the handle 4 of the spigot 3, for the purpose to be hereinafter explained; 6 is an escape pipe leading from and connecting the receptacle B with the escape valve D.

Referring to Figs. 2 and 3 representing the escape valve D, 7 is the casing or body portion exteriorly threaded at 8, and interiorly threaded at 9, into the threaded end portion 9 is screwed a nipple 10, the end 11 of which serves as a valve seat for the valve disk 12 of the valve stem 13; 14 is a shoulder provided on the valve stem, 15 is a spiral spring secured around the said valve stem, one end of which rests against the shoulder 14 with the opposite end against the nipple 10; 16 is a coupling formed on the end of the escape pipe 6, interiorly threaded at 17, by which means it is secured on the threaded end portion 8 of the exhaust valve D.

18 is a disk provided with a central opening 19, the said disk being secured within the coupling 16 and is for the purpose of limiting the pressure of gas against the valve disk and also serves as a packing between the exhaust valve and the coupling; 20 is a shoulder exteriorly provided on the casing and is adapted to fit flush against the ice chest A and secured therein by the screwing of the threaded nut 21 up against the interior wall of chest as shown in Fig. 1.

On the exterior end portion of the valve stem 13 is provided a key 22 adapted to reciprocate within the groove 23 of the casing 7; 24 are locking notches for engaging with the key 22 for the purpose of securing it therein, for the purpose to be hereinafter explained. To accomplish this purpose the valve stem 13 is squared on the end thereof at 25 for the purpose of being more readily engaged by any suitable tool (not shown) whereby the valve stem controlling the key when forced inwardly may be turned sufficiently to cause the key to become engaged within locking notches 24; 26 is an exhaust port.

In Fig. 2 the exhaust valve as shown is in its normal position with the valve disk 12 resting against the valve seat 11 of the nipple 10, thereby closing the valve, and held closed by reason of the spring secured around the stem 13 in the manner already hereinbefore described.

Referring back to Fig. 1, the valve is shown connected with the apparatus, its normal position being closed as is the spigot 3 in the position as shown. Oft times the gases collect in the receptacle B in such quantities as to prevent the liquid from filling the receptacle or causing the liquid to be too heavily charged; to obviate this, all that is necessary is to push the handle 4 of the spigot 3 against the end 25 of the valve stem 13, thereby causing the valve to open and the gases to escape through the exhaust port 26. For obvious reasons it is some times found necessary to keep the valve open for intervals of time longer than is desired by physical opera-

tion. For this purpose I have provided the locking attachment whereby the valve may be secured open in the manner heretofore described, and the several notches 24 are provided for the purpose of securing the valve open to the degree desired. It is obvious that the liquid is forced from the keg C to the receptacle by pressure and that the methods used to accomplish this result are numerous, but it is not essential that they be described here.

Slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction as herein set forth.

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

1. The combination in a spigot and escape valve comprising a casing provided with an inlet and outlet therein, of a valve stem provided with a valve disk on one end thereof and a shoulder located near the opposite end portion, a nipple provided with a valve seat thereon secured within the said casing, a spiral sp.ing secured around the said valve stem between the said shoulder on the stem and the said nipple, a coupling, a packing disk provided with a central opening therein, and means for securing the said coupling with the disk therein contained on the end of the casing, substantially as described.

2. The combination in a spigot and escape valve comprising a casing open at one end and provided with an exhaust port in the opposite end portion, and a longitudinal groove partially extended within the said casing, of a plurality of locking notches provided within one of the side walls of the said groove, a packing disk provided with a central opening therein, a coupling secured on the open end of the said casing with the said disk therein contained, a nipple secured within the said casing provided with a valve seat on the end thereof adjacent to the said packing disk, a valve stem provided with a valve disk on one end thereof and a shoulder near the opposite end, a spiral spring secured around the said valve stem, a key secured on the said valve stem exterior of the said casing and adapted to reciprocate within the said groove in the end thereof, means provided on the spigot whereby the said valve stem may be reciprocated within the said casing and means on the said valve stem whereby it may be turned for the purpose of securing the said key thereon in locking contact within the said locking notches, substantially as described.

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

ROBERT S. WIESENFELD.

Witnesses:
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MARY M. MAGRAW.