

D. WERNZ.
Beer Preserver.

No. 59,690.

Patented Nov. 13. 1866.

Fig. 1

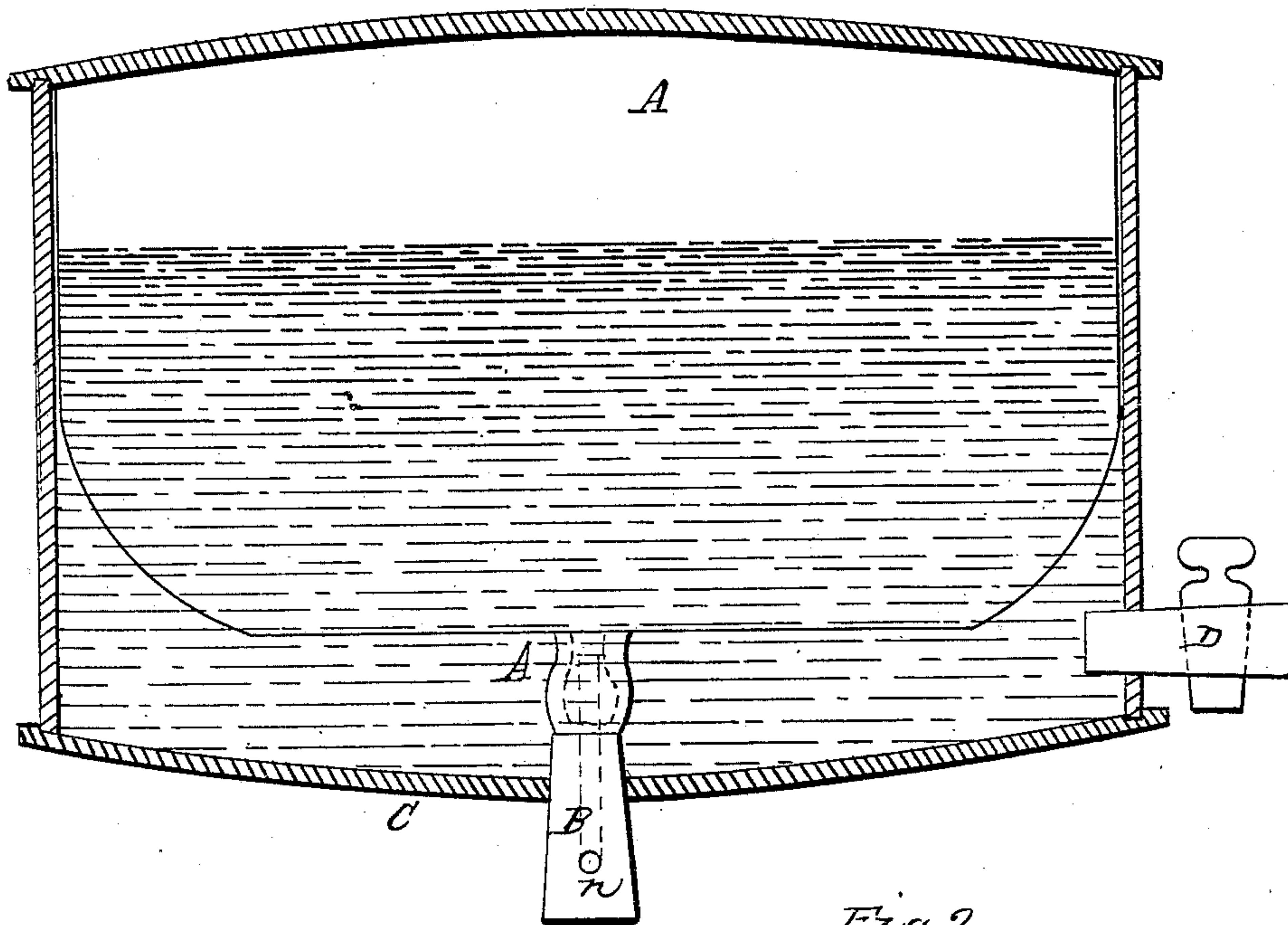
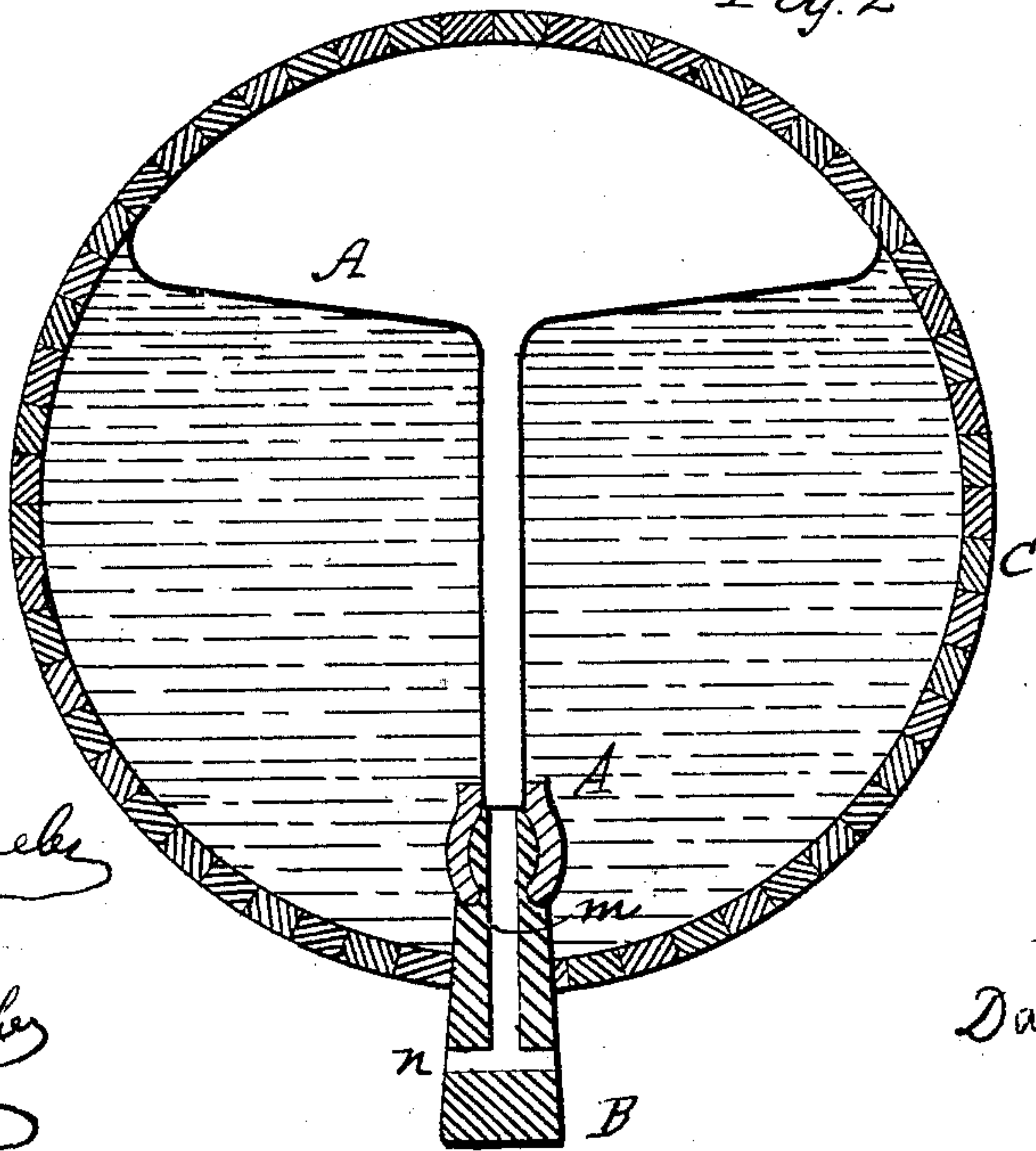


Fig. 2



Witnesses
Henry & Raelke
David Wernz

Inventor
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UNITED STATES PATENT OFFICE.

DAVID WERNZ, OF NEW YORK, N. Y.

IMPROVEMENT IN PRESERVING BEER WHILE ON DRAFT.

Specification forming part of Letters Patent No. 59,690, dated November 13, 1866.

To all whom it may concern:

Be it known that I, DAVID WERNZ, of New York, in the county and State of New York, have invented a new and Improved Mode of Preserving Beer, or any kind of malt or spiritous liquor, while on draft; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure I represents an elevation of my apparatus in a beer-cask, shown in section; and Fig. II is a cross-section of the same.

The nature of my invention consists in the arrangement of an india-rubber or flexible bag attached to a bung provided with air-passages and inserted into the inside of the cask.

A represents the bag, made of india-rubber, or any other suitable flexible material, fastened to the inside end of a bung, B. This bung is provided with a central opening, *m*, which runs up within an inch of the head of said bung, and there connects with one or more openings, *n*, in the side of said bung. The bung is made of such a size and length that the side openings *n* will always come outside of the cask after said bung is driven tight into the bung-hole.

C represents the cask; D, the faucet. The faucet D is inserted into the head of the cask at the same side as the bung-hole, and a small quantity of liquor is drawn off to make room for the india-rubber bag.

The india-rubber or other bag is then inserted

through the bung-hole into the barrel, and is inflated by air being blown in through the opening *n* at the side of the bung B until the same is expanded so much as to fill the space of the previously drawn-off small quantity of liquor. The bung is then fastened air-tight into the barrel, and the barrel is then turned around, so that the bung-hole will come to be situated at the bottom. By this arrangement the inflated part of the bag will rise to the top of the cask or barrel, carrying with it the other part of the said bag, the inflated or expanded part of the bag pressing upon the fluid without coming in contact with the same, and forcing thereby the liquor out of the barrel when the faucet is opened. As fast as the liquor is drawn off the air will enter through the openings *n* and *m* in the bung B, and expand the bag A until the same has filled the whole of the inside of the cask and forced the liquor all out of the same.

I do not claim an india-rubber or flexible bag inserted in a cask for the purpose of forcing the liquor out of the same; but

I claim—

The combination of a flexible bag with a bung provided with air-passages, as described, when said bung and bag are applied at the under side of the cask or barrel, so as to cause the air to enter at the bottom, operating in the manner and for the purpose substantially as described.

DAVID WERNZ.

Witnesses:

ALBRECHT BENKERT,
CHRISTIAN MUCREKLE.