

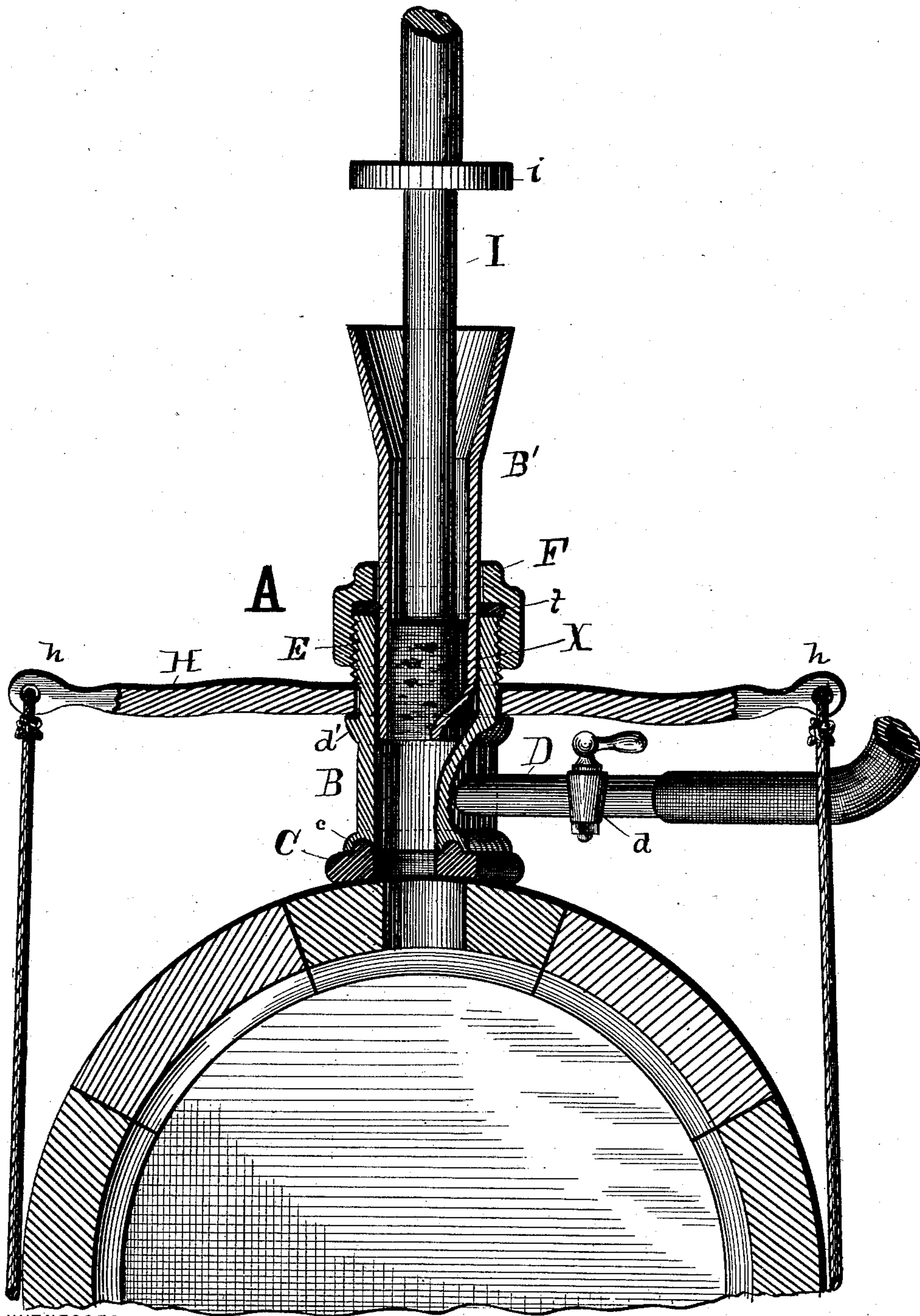
(No Model.)

C. MÜSSEL.

CORKING DEVICE FOR VESSELS.

No. 331,253.

Patented Nov. 24, 1885.



WITNESSES

Phil C. Dieterich.
A. E. Sowell.

INVENTOR

Christoph Müssel
By *his* Attorney
W. Alexander

UNITED STATES PATENT OFFICE.

CHRISTOPH MÜSSEL, OF SOUTH BEND, INDIANA.

CORKING DEVICE FOR VESSELS.

SPECIFICATION forming part of Letters Patent No. 331,253, dated November 24, 1885.

Application filed September 14, 1885. Serial No. 177,065. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPH MÜSSEL, of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Corking Devices for Vessels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form part of this specification, in which the figure is a plan view, partly in section, of the improved corking device applied to a barrel in position to direct the cork into the bung-hole of the same.

This invention is an improved corking device adapted to aid in filling casks or kegs with beer or other fermented liquid; and it consists in the construction and novel arrangement of parts hereinafter described, and pointed out in the appended claims.

Referring to the accompanying drawing by letter, A designates the device, composed of the tubular sections B and B', the latter adapted to slide partially into the former. The section B has on its end which is arranged to lie against the keg a circumferential groove, into which a corresponding flange, c, of the ring-washer C enters, securing the washer to the end of the section, as shown.

D is a branch tube standing out from the side of the section B, and controlled by the valve d. The end of the tube is adapted to be connected to the end of a length of rubber or other proper tubing.

d' is a circumferential shoulder on the section B, on the side of the tube D opposite that on which the ring-washer lies. The outer end, E, of the section B is externally threaded, as shown. The outer end of the section B' is funnel-shaped, as shown, and the bore of its straight part is slightly conical from without inward, so that the cork X may be compressed as it is forced inward.

F is a screw-cap, internally threaded to screw on the end E of the section B, and packed within at f to make the joint between the sections air-tight.

H is a yoke having a central opening, which surrounds the section B and lies upon the shoulder d. The ends h of the yoke are so formed as to be made fast to ropes or cords,

which are arranged to hold the device upon a keg, so that the ring-washer will make an air-tight joint over a cork-hole therein.

In practice two of the corking devices are used, one over a cork-hole at or near the bottom of the keg and one over a cork-hole at or near the top of the same. The beer is admitted through a tube connecting with the one near the bottom, and the air escapes through a tube connecting the one near the top with any proper receptacle.

The manner of using the devices is as follows: When each is bound over its proper hole, the sections B' are drawn outwardly until the corks, which have been forced downward and into their lower ends, are outward of the branch tubes D, the valves d of which are then opened, allowing the beer to flow in and the air out of the keg. When the latter is full, the sections B' are shoved clear inward against the keg, the valves d closed, and the corks X are driven out of the ends of the sections B into the cork-holes, in which they expand laterally and securely hold, they having been compressed in the section B', and the holes being large enough for them to enter. The devices are then detached from the keg and attached to the succeeding one. The corks are preferably forced out by a rod, I, having upon it a shoulder, i, which strikes against the outer edge of the section B and prevents the rod from forcing the cork too far inward.

Having described my invention, I claim—

1. In the corking device A, the combination of the tubular section B, provided with the branch escape-tube D, having one end externally threaded, and the other end provided with the ring-washer C, adapted to lie upon and form an air-tight joint with the cork-hole of a keg or similar vessel, the tubular section B', adapted to slide within the section B till its inner end is flush with the outer surface of the ring-washer, provided with a bore slightly conical, so that the cork will be compressed when driven inward, and will be held within its inner end, and having its outer end open and funnel-shaped, and the screw-cap F, substantially as specified.

2. The corking device A, composed of the tubular section B, having the ring rubber washer C on its outer end, threaded at its in-

ner end, and provided with the shoulder d' and
the branch tube D, having the valve d , the
tubular section B', sliding partially into the
section B, having its outer end funnel-shaped
5 and the bore of its straight portion slightly
conical, the screw-cap F, engaging the threaded
end of the section B, and the yoke H, all con-
structed and arranged to operate substantially
as and for the purpose specified.

In testimony that I claim the foregoing as
my own I affix my signature in presence of
two witnesses.

CHRISTOPH MÜSSEL.

Witnesses:

JAMES DU SHANE,
J. GEO. ROTH.