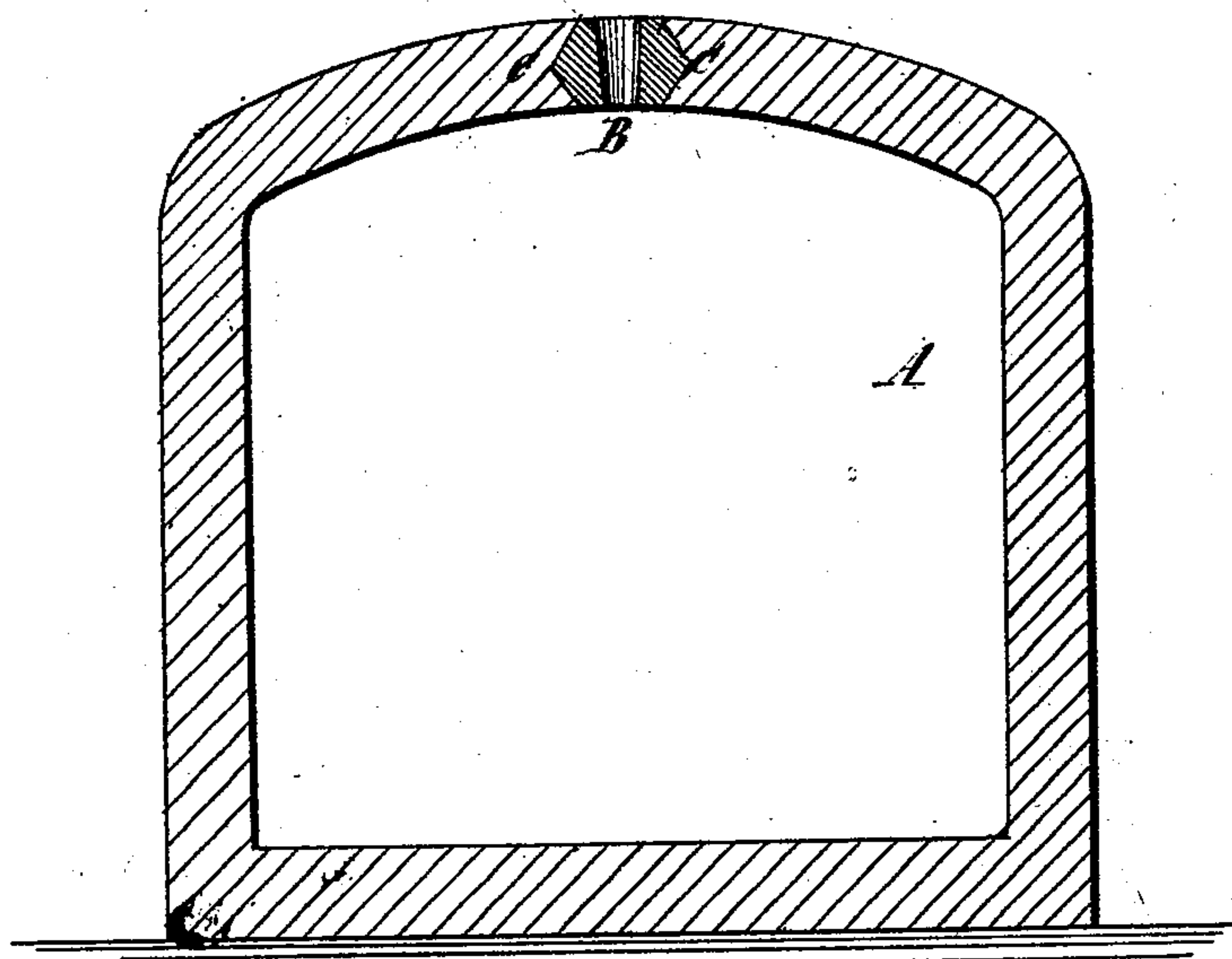


J. J. SCHILLINGER.  
Cask for Lager Beer.

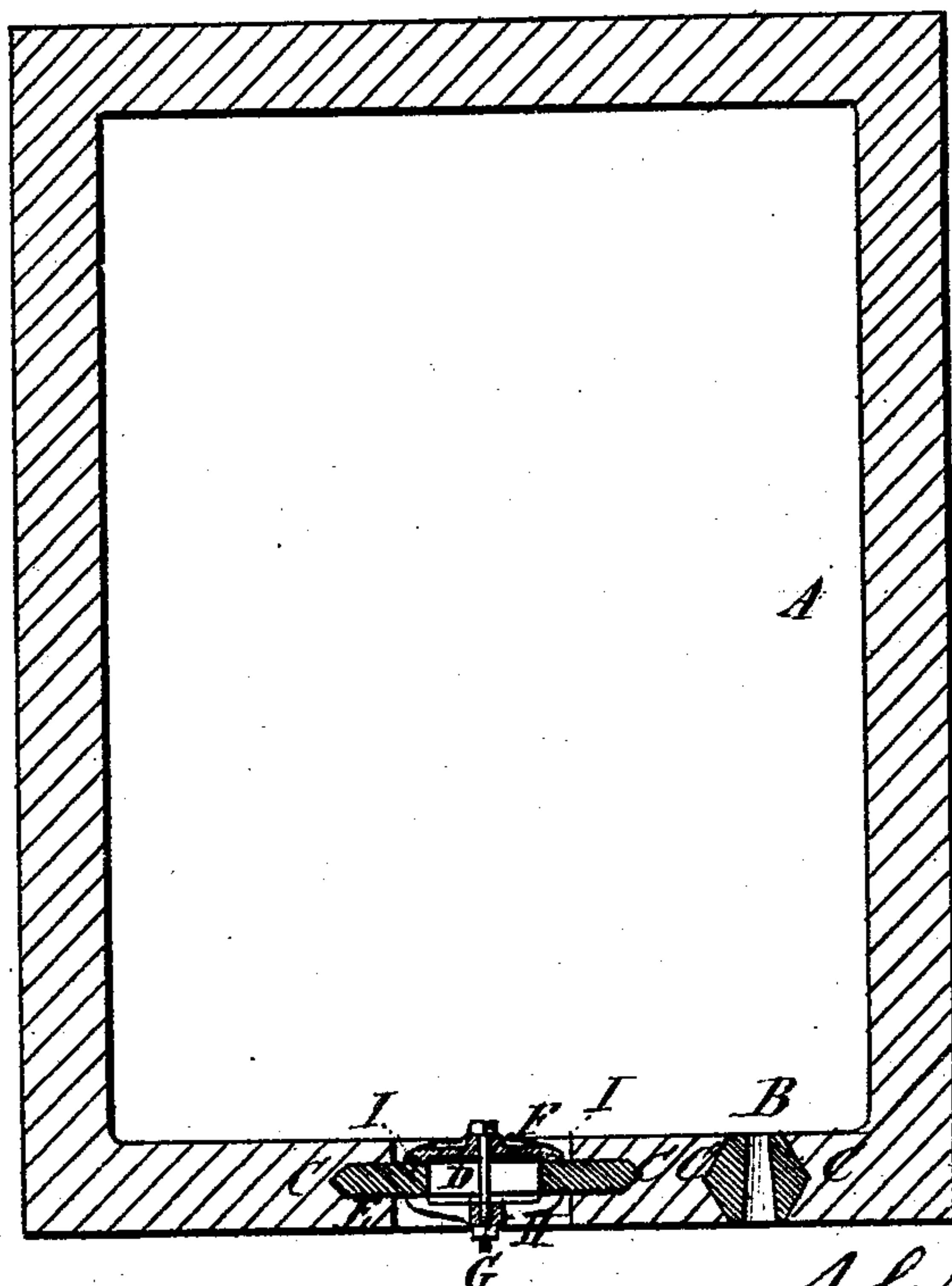
No. 102,716.

Patented May 3, 1870.

*Fig: 1.*



*Fig: 2.*



Witnesses.  
b. Wahlen  
E. F. Kastenhuber

Inventor:  
John J. Schillinger  
per  
Van Santvoord & Hauff  
Attys

# United States Patent Office.

JOHN J. SCHILLINGER, OF NEW YORK, N. Y.

*Letters Patent No. 102,716, dated May 3, 1870.*

## IMPROVEMENT IN CASKS FOR LAGER BEER.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern :*

Be it known that I, JOHN J. SCHILLINGER, of the city, county, and State of New York, have invented a new and useful Improvement in Casks; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a vertical cross-section of my improvement.

Figure 2 is a horizontal section through the door.

Similar letters indicate corresponding parts.

This invention relates to casks for holding lager beer and other liquids, and consists in providing the same, during the process of construction, with devices hereinafter described.

The letter A designates the cask, composed of cement made of lime and sand, and provided at suitable places with one or more bung-holes, B, through which the liquid is admitted or drawn. The bung-holes are made of tubes of metal or other suitable material set in the walls of the cask during the process of construction, and, in order to secure them in place, I make shoulders or projections C on a portion of the exterior of said tubes, in such a manner that when they are inclosed in the walls of the cask they are prevented from moving out or in, being held by their shoulders or projections. In this example I have made the projections C with inclined sides, coming to a point at about the middle of the tube.

The letter D designates the door-way or man-hole of the cask. Said door-way is provided with an open metallic frame or casing, E, which is set in the wall in the process of construction, and which has on its outer edge also a shoulder or projection, O, as is the case with the bung-hole tubes, for the purpose of keeping the frame in place.

The inner edges of the frame E form casings or bearings for the door F, which is held up against them from within by a bolt or bolts, G, and an outside bridge-plate, H, which bears against the outer surface of the frame or casing E.

The door F is grooved upon its face, as at I, near its edge, where it bears upon the frame or casing E, and in the groove I place a packing of India rubber or other suitable material, to make a tight joint.

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

The door-way D, produced by means of the frame E, formed with a bung-hole, and having projections O on its outer surfaces, and forming, in connection with the cask A, casings or bearings for the door F, provided with suitable fastening devices; substantially as described.

JOHN J. SCHILLINGER.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.