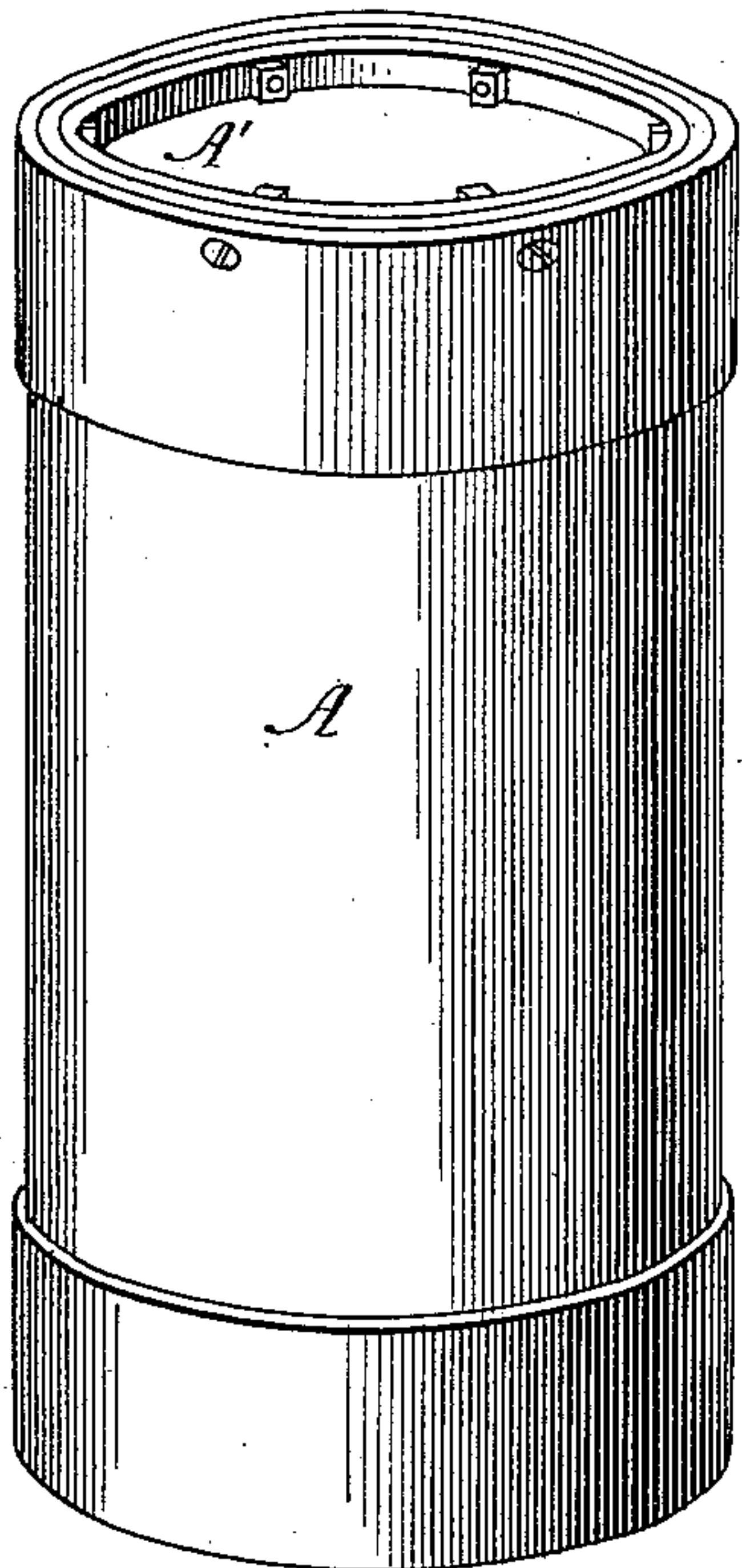


W. V. PERRY.  
GLASS BARREL.

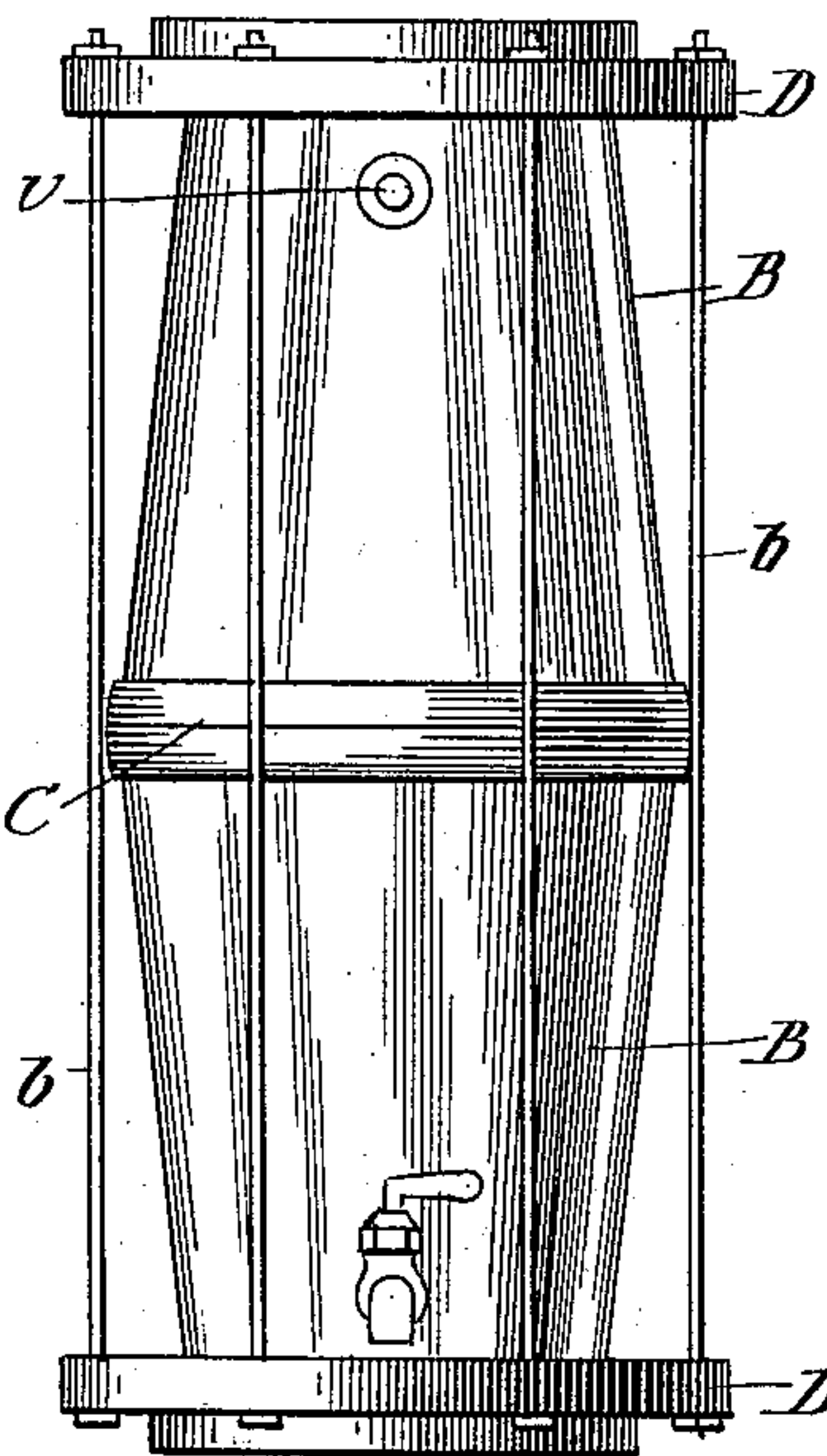
No. 336,344.

Patented Feb. 16, 1886.

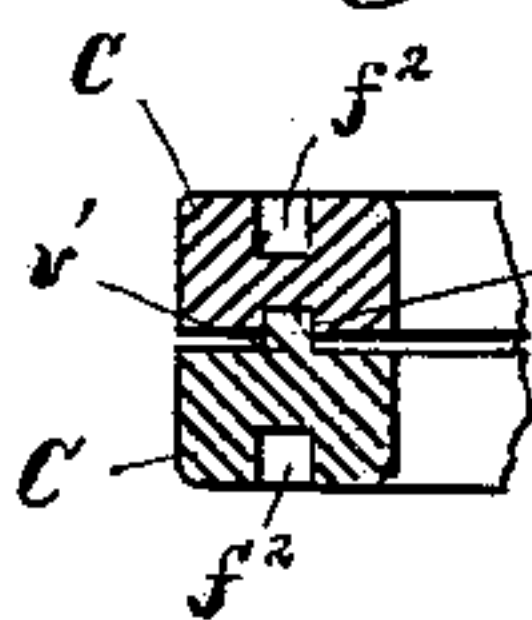
*Fig. 1.*



*Fig. 2 .*



*Fig. 6.*



*Fig. 7.*

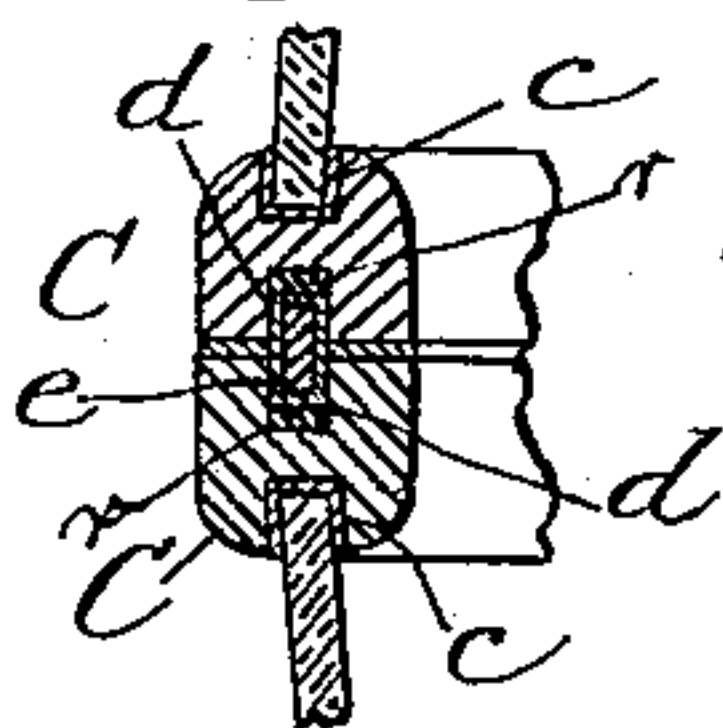
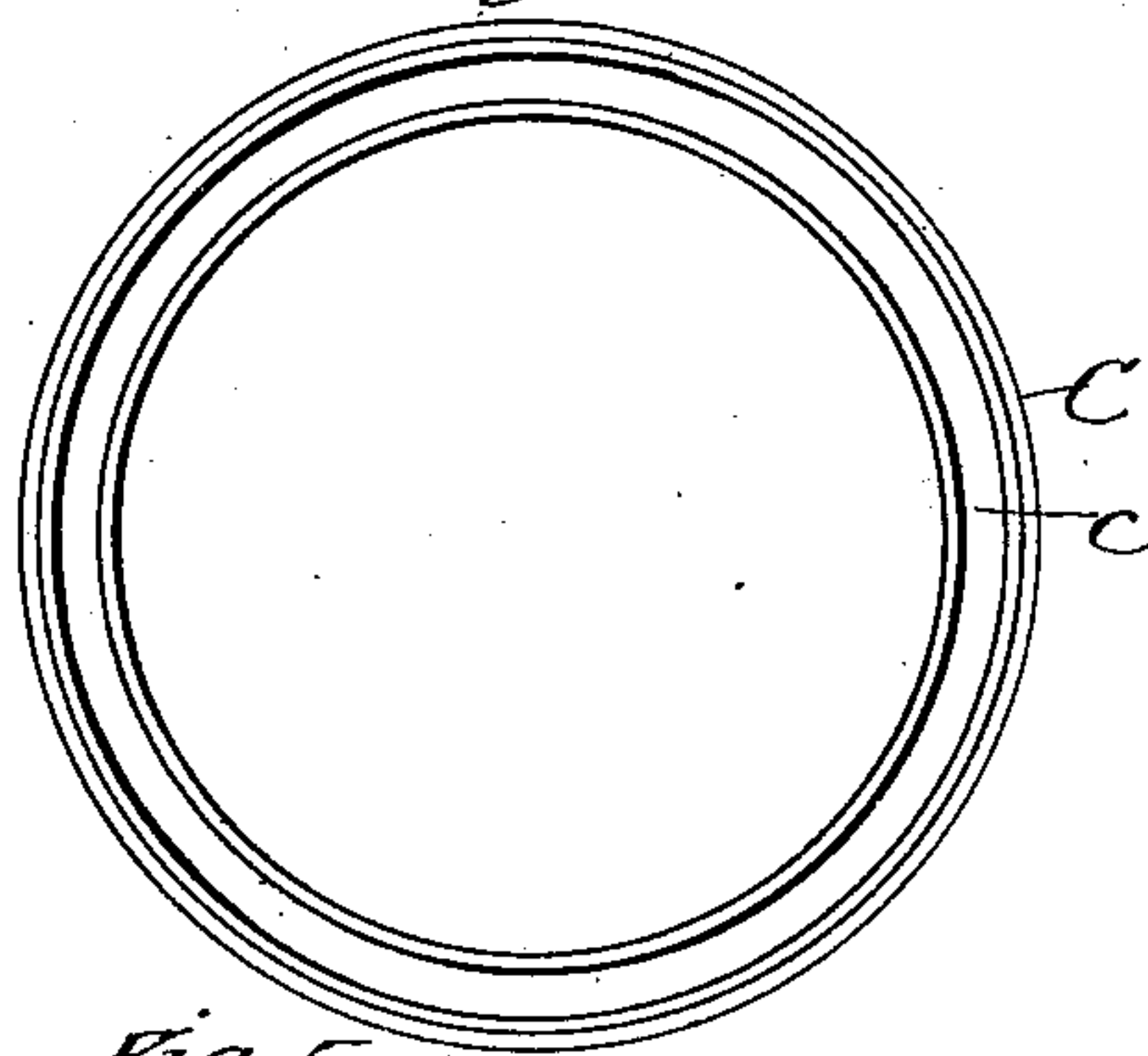
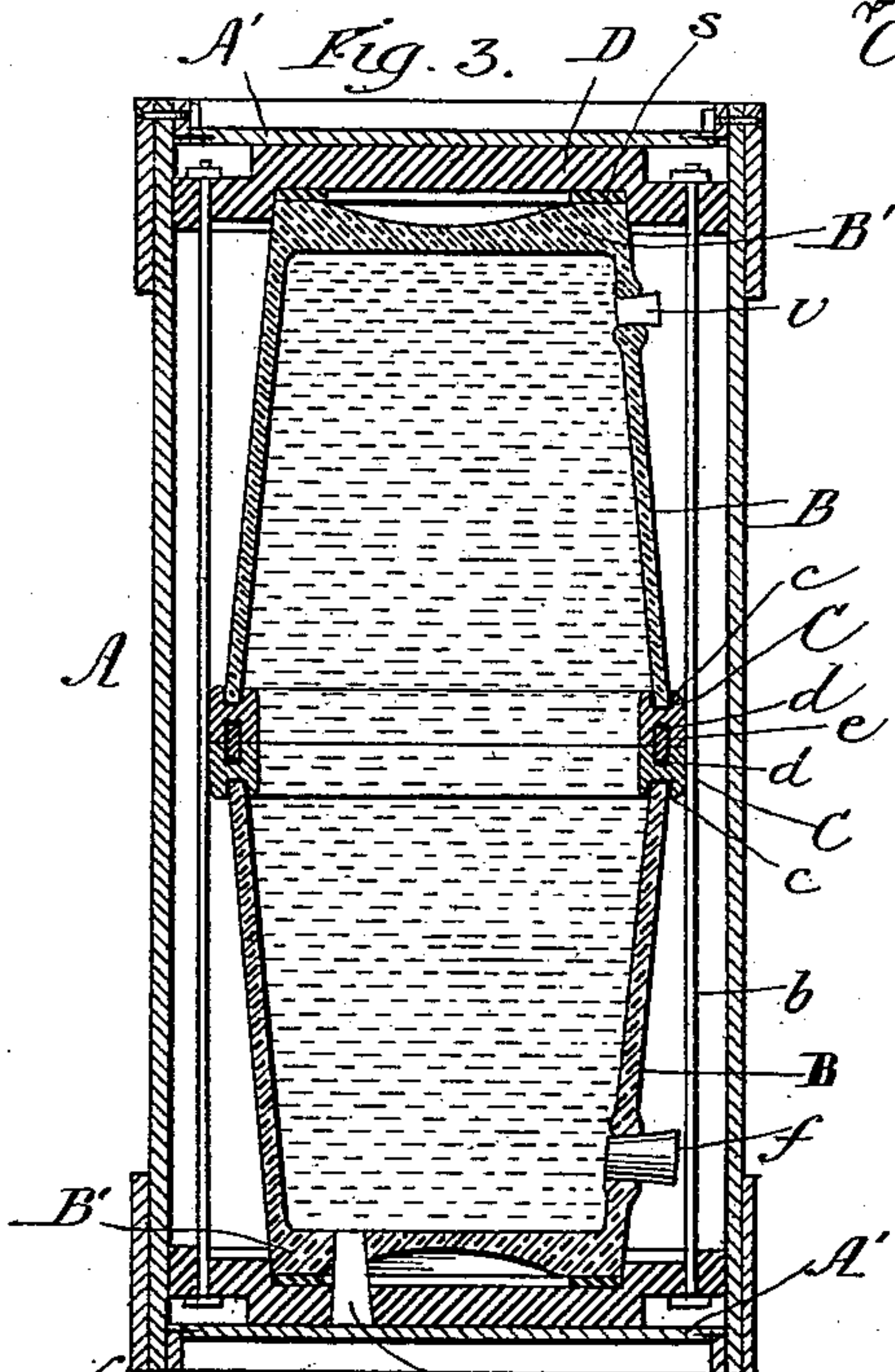
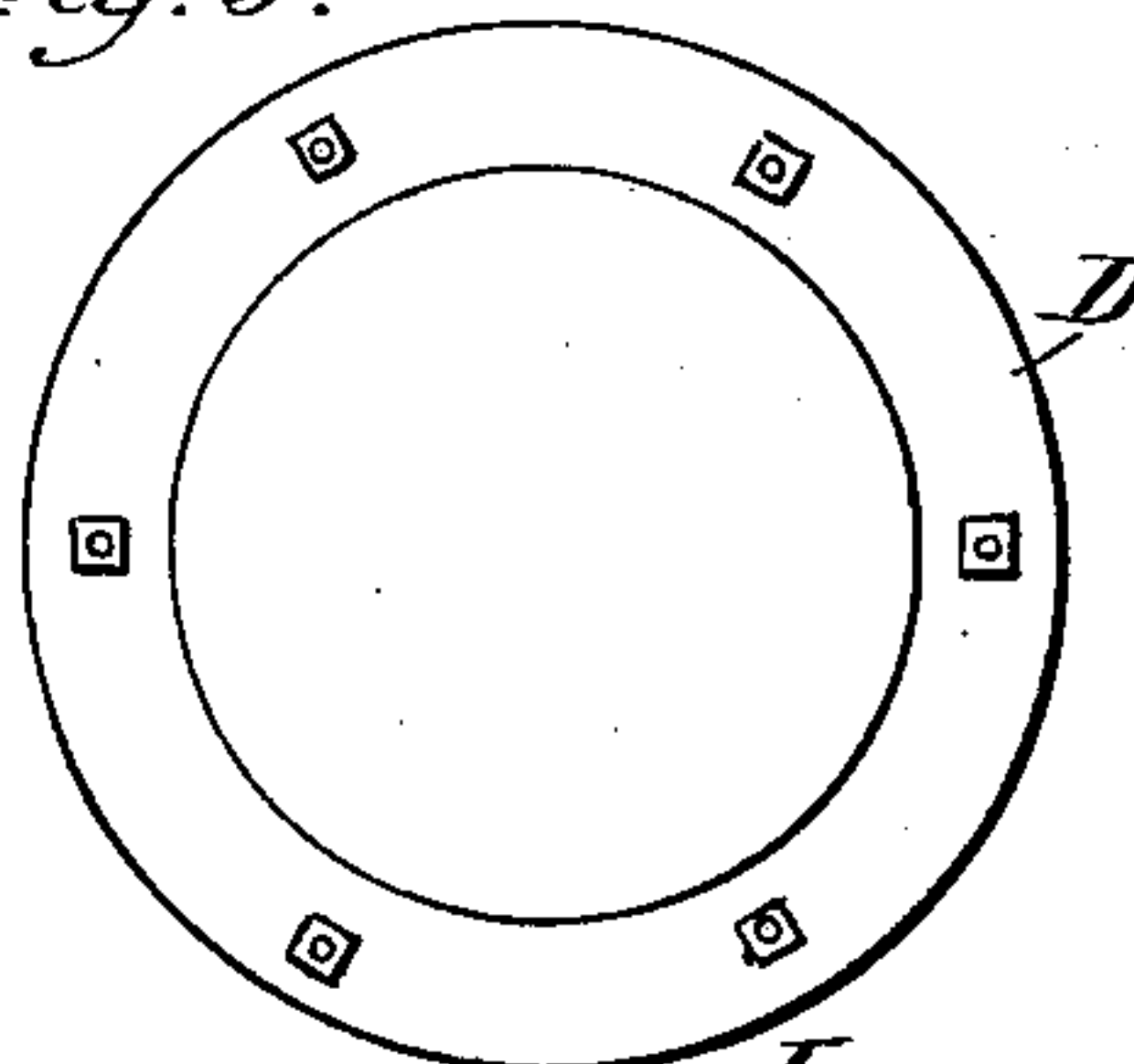


Fig. 4



*Fig. 5.*



Witnesses:

Frank J. Blanchard  
Louis Volting.

*Inventor:*

Wm B Perry

By *A. M. Stout*  
Attorney.



# UNITED STATES PATENT OFFICE.

WILLIAM V. PERRY, OF CHICAGO, ILLINOIS.

## GLASS BARREL.

SPECIFICATION forming part of Letters Patent No. 336,344, dated February 16, 1886.

Application filed December 8, 1884. Serial No. 149,723. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM V. PERRY, of Chicago, county of Cook, and State of Illinois, have invented certain Improvements in Glass Barrels, of which the following is a specification.

My invention relates to the construction of a cask or barrel of glass or other suitable material in two parts; and its object is to produce a barrel which can be easily cleaned, rendered air-tight, and especially adapted to holding and transporting liquids and easily-fusible solid commodities.

My said invention will be hereinafter fully described with reference to the accompanying drawings, in which Figure 1 represents the drum designed to inclose the barrel and its frame; Fig. 2, a side elevation of the barrel and its frame; Fig. 3, a central vertical section of the drum, frame, and barrel in proper position in respect to each other, the barrel being in the frame and the latter in the drum. Figs. 4, 5, 6, and 7 are detail views of separate parts.

B in the drawings indicates the two equal parts of the barrel, and each part has a head, B', sufficiently thick to afford it the requisite strength, and hollowed out centrally, so that the heads D of the frame may abut against the outer edges. These heads D may be made of iron or other suitable material, and are provided with circular recesses on their inner sides to correspond in circumference with the heads of the barrels, so that the recesses will confine the barrel-head within them against both vertical and lateral motion, and in order to protect the heads B' against sudden and injurious jars rings s, of rubber or like material, are interposed between the heads of the frame and the barrel.

In order to make a close joint between the two parts of the barrel at the short axis of the same, and to secure the two parts against side motion, I have devised two equal and similar rings of metal, C, or other suitable material, each provided with a groove, c, for an edge of the barrel, and another like groove, d, opposite to groove c, and a third ring, e, of metal or other suitable material, to be seated in the two opposite grooves d. The grooves for the edges of the barrel and those for the ring e are made

considerably larger than the thickness of the edges of the barrel and the thickness of the ring e, and sufficiently deep for the purpose hereinafter specified.

In the grooves c are inserted the edges of the half-barrels, and they are fastened in position by any suitable cement, which should surround such edges and make fluid-tight joints between them and the ring e. The grooves d, on the other hand, have placed upon their bottoms rubber rings r, so that when the ring e is seated in them the rubber will deaden and break the force of any jars to which the barrel may be subjected; and then upon the rubber rings, and between the ring e and the sides of the grooves d, is placed a sufficient layer of beeswax or ozocerite to fill the spaces and effectually prevent actual contact between the contents of the barrel and the ring e, and prevent breakage, the result of which construction and arrangement of parts is that when the two heads D of the frame are connected by means of the rods b and their nuts the two half-barrels will be held together firmly by a force that may be graduated and adjusted as required by turning the screw-nuts on the rods b.

In Fig. 6 is shown a modified construction of the rings C, the rings being attached to the edges of the half-barrels in the manner hereinbefore specified, and instead of the ring e being seated in opposite grooves, d, to prevent lateral motion of the half-barrels upon each other, one of the rings C' is provided with a suitable groove, c', while the other is provided with a corresponding tongue, v', to fit loosely in groove c', room being left for the rubber and wax, as in the construction shown in Fig. 7.

The drum A is designed to contain the barrel with its frame upon it, and it may be made of wood or other suitable material. It is cylindrical in form and has a hoop upon each end. The heads A', which may be made of wood, are provided with inner flanges extending outwardly at right angles, through which and the chimes and hoops from the outside headed bolts are inserted and held by screw-nuts on the inner side, as shown in Fig. 3. No claim is made, however, for the drum itself; but it may be made to serve a useful purpose by presenting a suitable rolling surface for the



barrel, and the stratum of air within the drum affords a certain amount of protection against heat and cold.

The barrel may be provided with a vent-hole, *v*, at the top end, another discharge-hole, *i*, under the bottom, and a faucet-hole, *f*, in the side of the lower end in the same vertical plane with the vent-hole *v*.

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

1. The described barrel, consisting of the two equal and like parts jointed together at its short axis by means of rings *C* and *e*, adapted to prevent lateral motion of the parts with respect to each other, substantially as described.

2. The combination of the two rings *C*, provided with grooves *c* and *d*, and the ring *e*, adapted to serve as a frame for the materials for an elastic and fluid-tight joint between the half-barrels, substantially as described.

3. The described half-barrels, having cemented thereto the rings *C*, having grooves *c* and *d*, substantially as and for the purpose described.

4. The barrel composed of two parts having rings *C*, provided with grooves *d*, cemented thereto and connected together by means of ring *e*, the bearings of which are rendered elastic and fluid-tight by means of rubber and beeswax, substantially as described.

5. The described barrel, composed of two similar half-barrels, each provided with a ring, *C*, having a groove, *d*, in it, in combination with the described rubber and beeswax packing, adapted to render the joint between the half-barrels both elastic and fluid-tight, substantially as described.

WILLIAM V. PERRY.

Witnesses:

W. A. WEED,  
W. K. CARY.