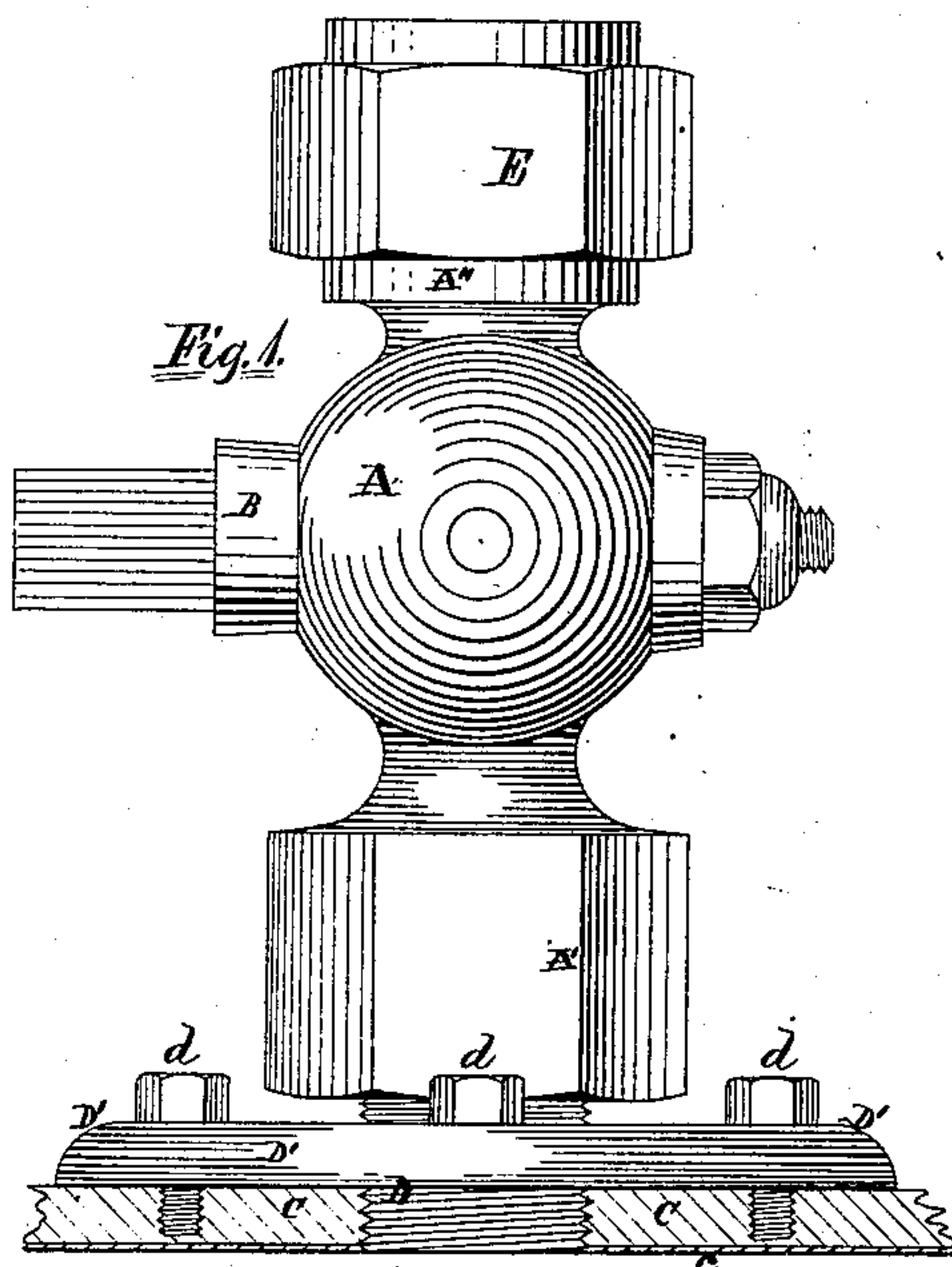
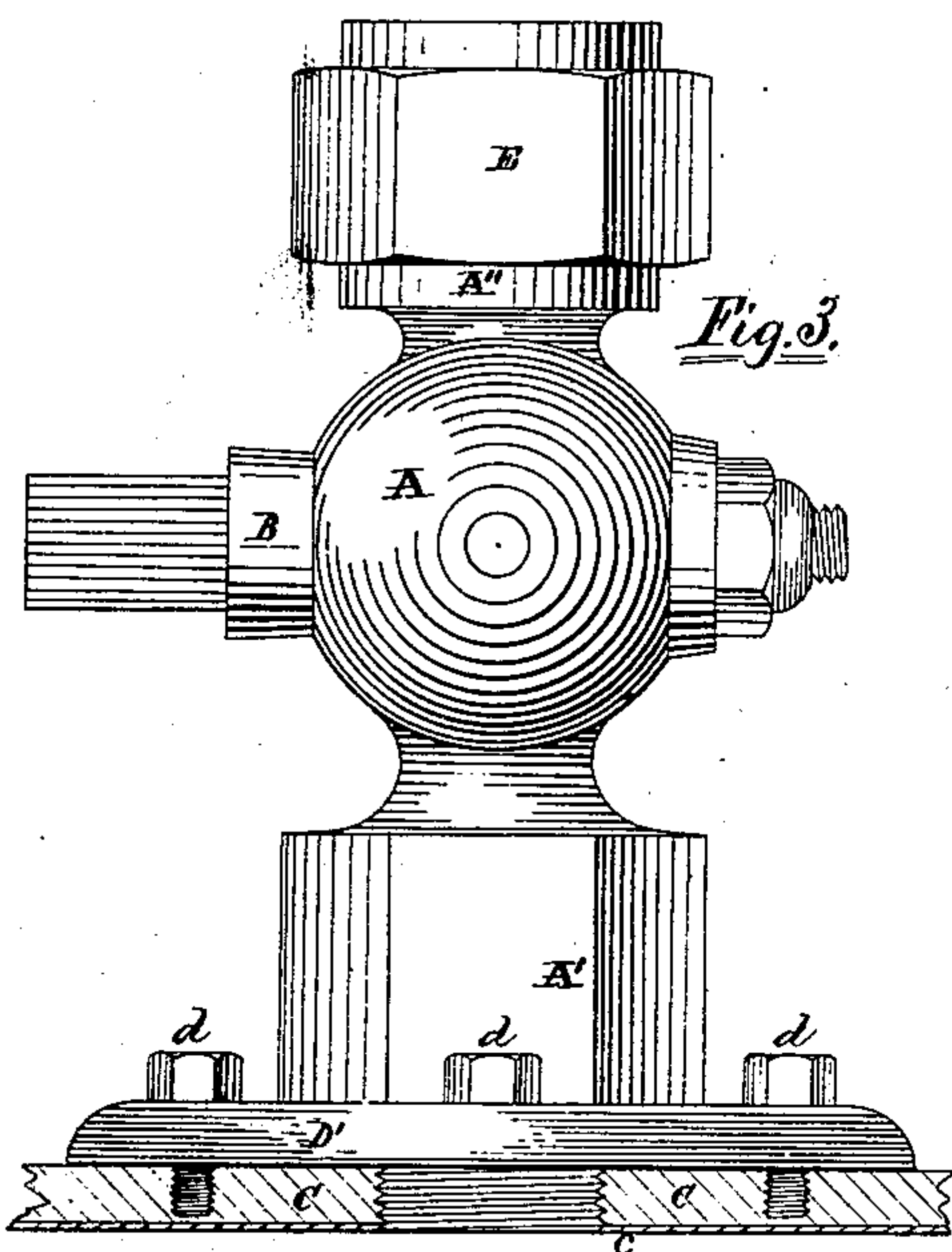
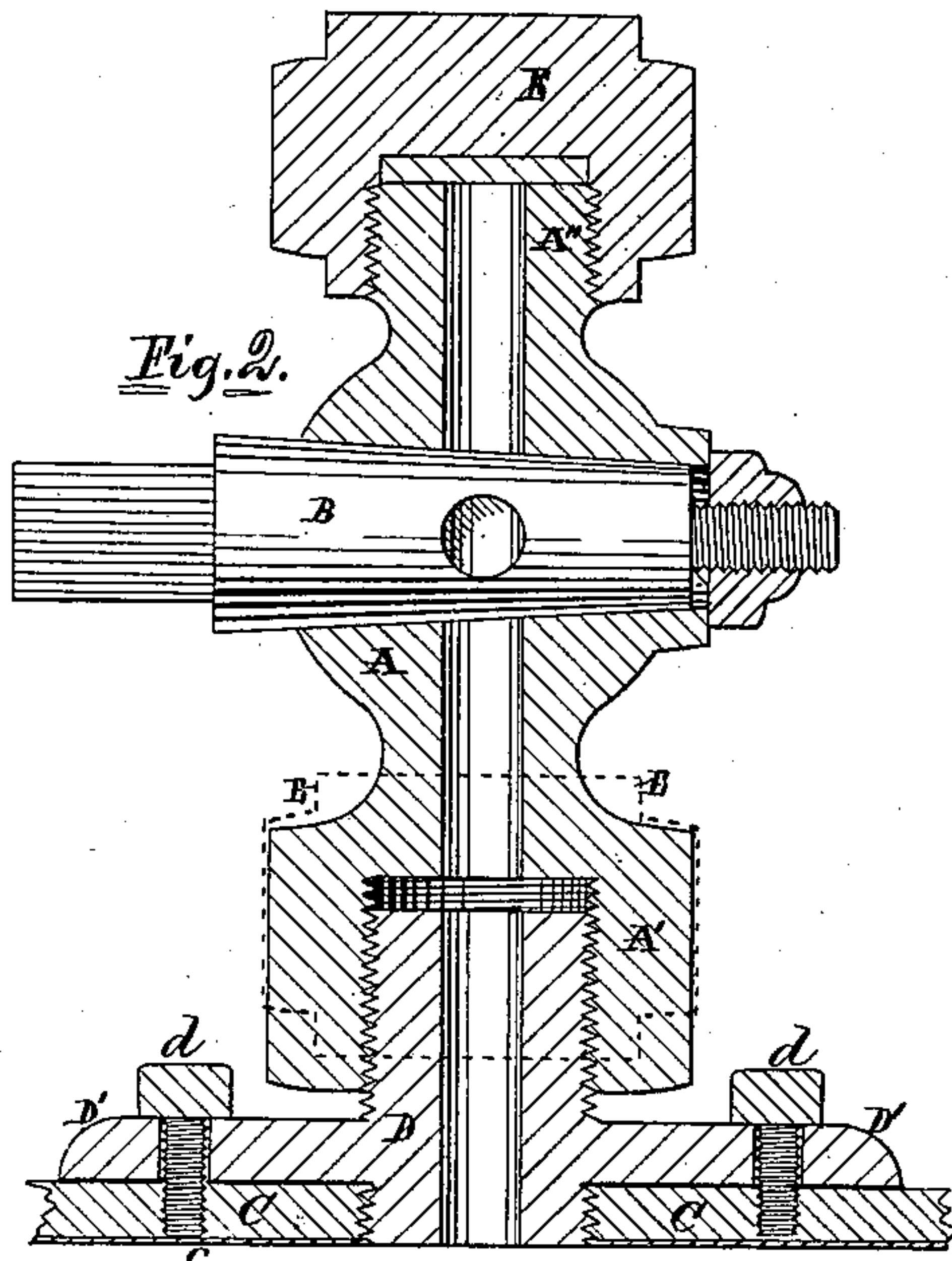
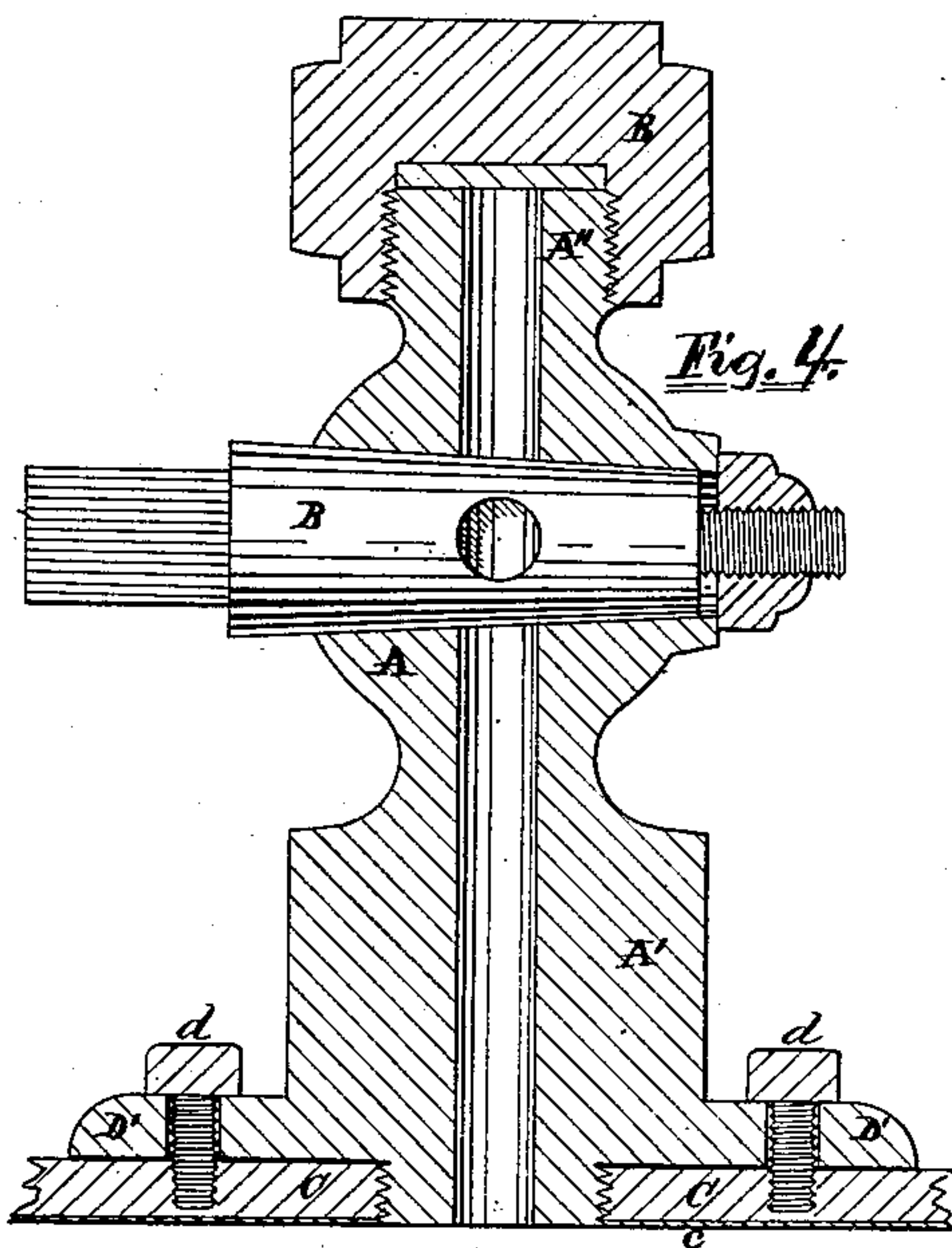


A. S. DEVENDORF.

Cocks.

No. 140,685.

Patented July 8, 1873.



Witnesses:
Myron H. Burroughs,
Platt R. Richards,

Inventor
Almond S. Devendorf,
by W. B. Richards, atty.

UNITED STATES PATENT OFFICE.

ALMOND S. DEVENDORF, OF GALESBURG, ILLINOIS.

IMPROVEMENT IN COCKS.

Specification forming part of Letters Patent No. **140,685**, dated July 8, 1873; application filed October 12, 1872.

To all whom it may concern:

Be it known that I, ALMOND S. DEVENDORF, of Galesburg, county of Knox and State of Illinois, have invented certain Improvements in Tap and Pipe Coupling, of which the following is a specification:

The nature of my invention relates to improvements in cocks for vessels containing gaseous or other liquids; and the invention consists in the arrangement of a short pipe provided with a two-way cock in its central portion, a female screw at one end, and a male screw and cap at the other, which may be screwed fast to the ordinary tap at its open end, and the two-way cock being closed the cap may be removed and the piping attached to the other end without loss of gas or liquid from the vessel, all as hereinafter fully described.

In the accompanying drawings, Figure 1 is a side elevation of my invention as applied to the ordinary tap. Fig. 2 is a central vertical sectional view of Fig. 1. Fig. 3 is a side elevation as applied alone, and Fig. 4 is a central vertical sectional view of Fig. 3.

A in the drawings represents an ordinary cock, with a key, B, its upper and lower sides continued in short tubes, which are constructed as hereinafter described. C represents a sectional view of a portion of a cask or reservoir for containing gaseous liquids, and having a metallic lining, *c*. D is the ordinary tap, through which said casks are filled and discharged, and consists of a short pipe extending through the head of the cask C, where it is soldered to the lining *c*, and provided with an annular flange, D', through which screw-bolts *d d* may pass for securing it in place, its upper end extending upward a short distance, and threaded, as shown at Figs. 1 and 2, for the reception of a cap, E, shown by dotted lines at Fig. 2.

When the cask is filled the said cap is screwed thereon to retain the gas and liquid in the cask.

When the cap is removed to attach the draft-pipe a wastage of gas and liquid is unavoidable.

To prevent this waste in attaching the draft-pipe is the object of my invention.

To adapt the invention to the ordinary tap, described above, the tube A' is enlarged and threaded with a female screw to fit over the tap D, and the tube A'' is threaded to receive the cap E.

If, now, the device is put in place, as shown at Figs. 1 and 2, then the cap E removed and the cock-key B turned to open the passage, the cask may be filled. When filled the cock may be closed and then the cap E screwed on, when it may be handled or shipped, as desired.

With the key B turned to close the passage through the cock A, the cap E may be removed and the draft-piping attached without leakage of gas or liquid; then the key being turned to open the passage the flow will be uninterrupted.

At Figs. 3 and 4 are shown the device for attaching to a cask not having a tap, D. In this device the lower tube is provided with a flange, D', and a short threaded pipe, extending through the cask-head, and is secured to the cask as described, in regard to the tap aforesaid. A cap, E, is also screwed on the top or upper tube of the cock A.

The operation in filling the cask, and in coupling the draft-pipe to the cock, is the same as hereinbefore described.

I claim—

The cock A, having the internally-screw-threaded tube A' at one end and the externally-threaded tube A'' at the other, in combination with the flanged tap-piece D and removable cap E, substantially as and for the purpose specified.

ALMOND S. DEVENDORF.

Witnesses:

A. B. CLARK, Jr.,
A. W. BERGGREN.