

Applegate & Feiock,

Bung.

No. 101078.

Patented Mar. 22. 1870.

Fig. 1.

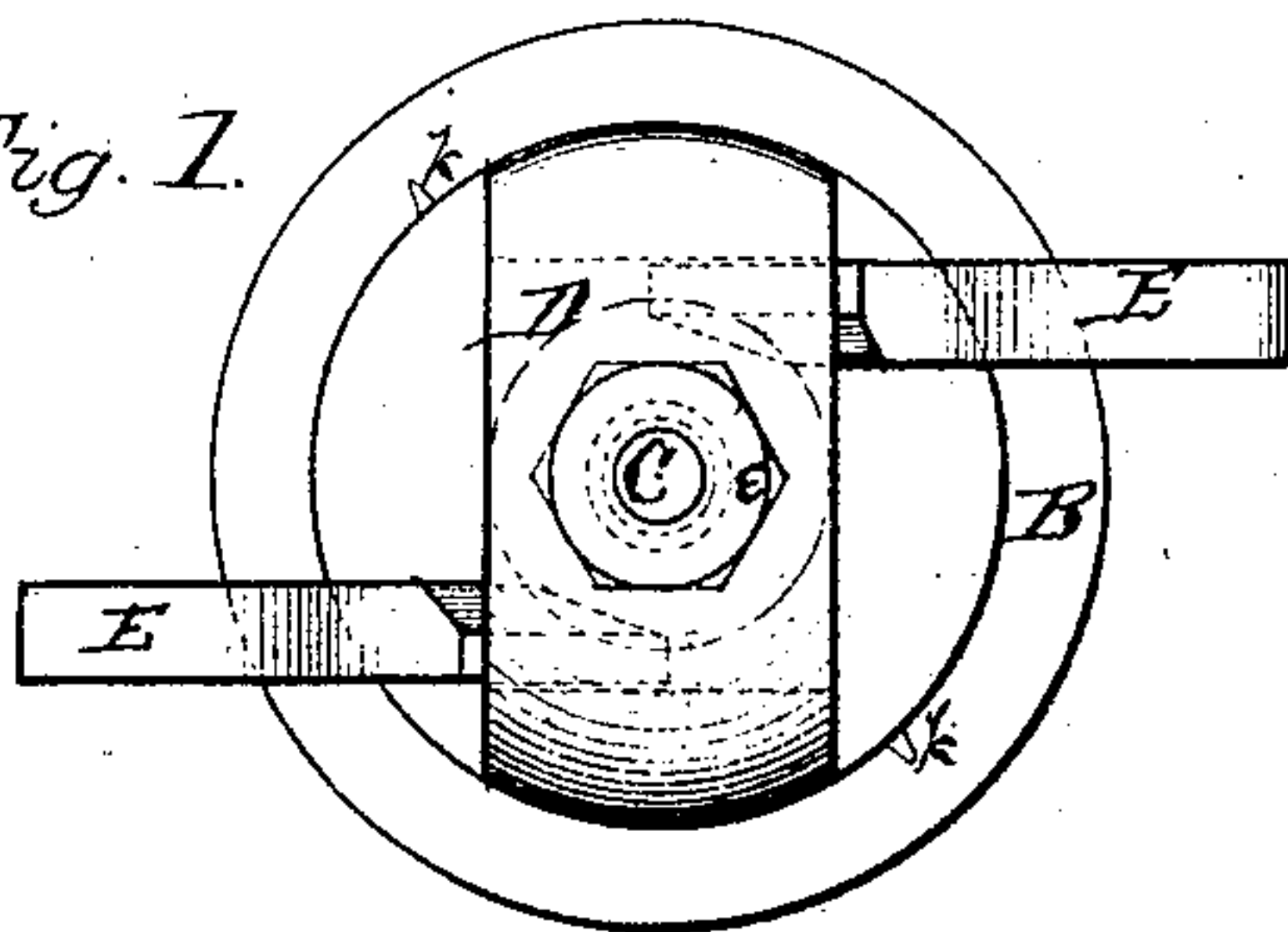


Fig. 2.

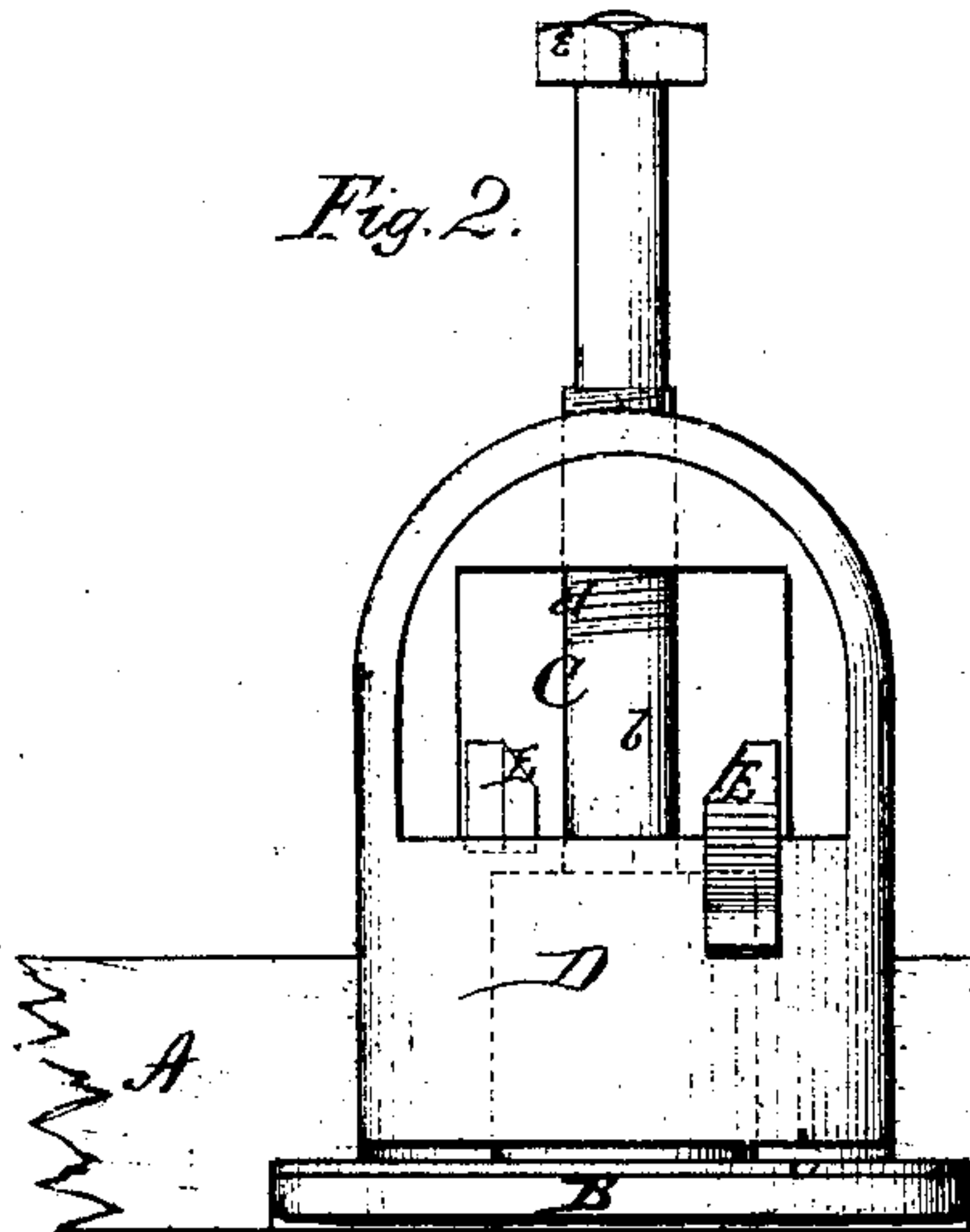


Fig. 3.

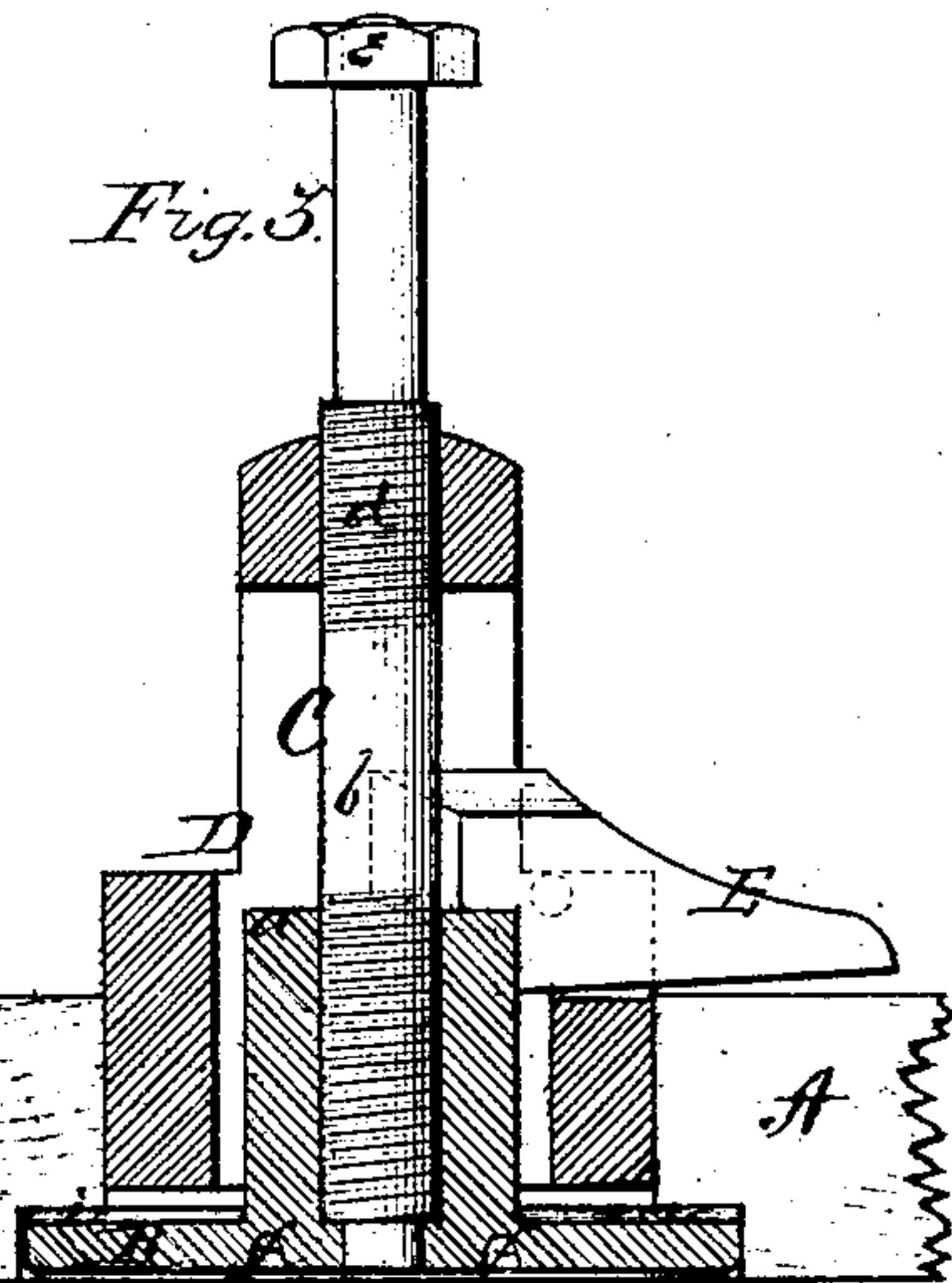
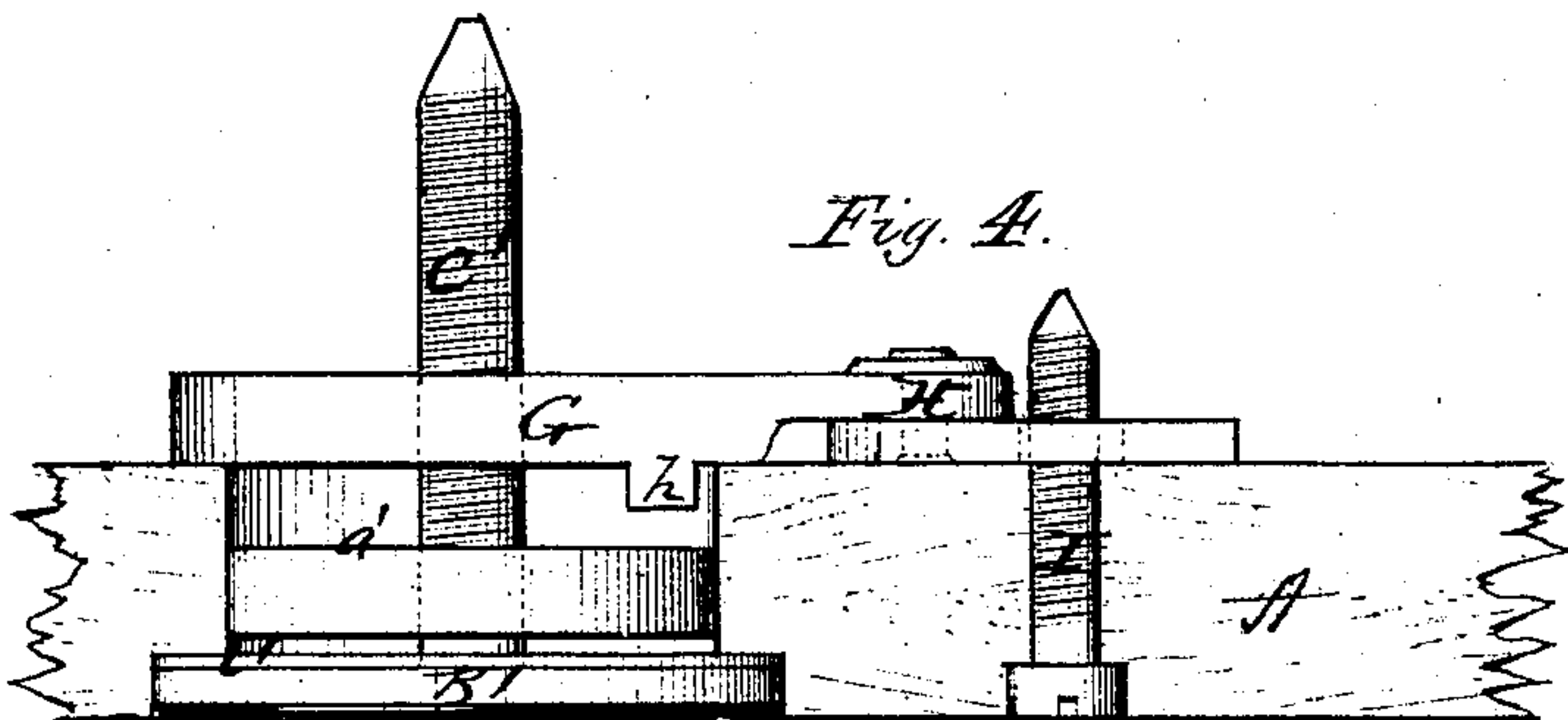


Fig. 4.



Witnesses:

C. L. Quent.

E. M. Cropley

Inventors:

J. F. Applegate

C. Feiock

per Alexander Mason
attys

United States Patent Office.

JOSEPH F. APPLGATE AND CASPAR FEIOCK, OF NEW ALBANY, INDIANA.

Letters Patent No. 101,078, dated March 22, 1870.

IMPROVEMENT IN BUNGS.

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

To all whom it may concern:

Be it known that we, JOSEPH F. APPLGATE and CASPAR FEIOCK, of New Albany, in the county of Floyd, and in the State of Indiana, have invented certain new and useful Improvements in Bungs; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification.

The nature of our invention consists in the construction and arrangement of a "bung," which we call the lever-bung, to be used for the purpose of saving the bung-stave of a barrel and to make the bung-hole air and steam-tight, and thereby prevent the liquid contained in the barrel from evaporating or leaking out.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a bottom or inside view of our bung;

Figure 2 is a side view; and

Figure 3 is a vertical section of the same.

Figure 4 is a side view of a modification thereof, involving, however, the same principle.

A represents the bung-stave of a barrel, having the usual round hole for the insertion of the bung. This hole is countersunk the thickness of the cap, forming a packing-seat.

B is the top or cap, provided with a stem, C, having an offset, *a*, as shown in fig. 3.

Beyond the offset *a* there is a small blank, *b*, on the stem, and then a screw, *d*, the balance of the stem. Or part of the inner end may be blank, with a small nut, *e*, at the inner end.

The top or cap B is provided with packing *i* to fit in the countersunk bung-holes, and on the outside it has two or more wrench-holes *f f*, as shown in fig. 3.

The hull or body D of the bung has an opening in the center for the passage of the stem C, and has a female screw at the inner end of the center opening; also two side openings.

At the side and outer end of the hull or body D, to prevent the same from turning, we place two or more catches *k k*, as shown in fig. 1.

In the hull or body D are two or more levers E E,

worked by the offset *a* of the stem C, pressing against them when the stem is screwed down into the center opening. Said levers are pivoted by rivets or screws to the hull.

If the nut *e* is removed from the inner end of the stem C, the cap or top B with the stem can be taken out and removed at pleasure, the hull or body D remaining stationary in the bung-hole, by properly fitting the same therein.

A simpler form of above bung is represented in fig. 4. It consists of a cap or top, B', with offset *a'*, packing-seat and packing *i'*, wrench-holes and countersink in bung-stave of barrel, the same as in the above-described bung, with a screw-stem, C', and a sliding top, G, at the inside of bung-hole, fastened by an oblong joint, H, at the side of bung-hole, by a screw, I, through the bung-stave, said screw being packed, and the sliding top G is provided with a catch, *h*, for moving the same.

The cap or top B' is driven in the countersink in the bung-stave by driving the screw of the stem C' into the inside top G.

Both bungs, when properly driven in the bung-hole, become perfectly steam and air-tight.

By the use of these bungs, the bung-stave of the barrel will be saved, and last as long as any of the others.

The bungs may be made of any kind of metal capable of withstanding the pressure from the liquid.

Having thus fully described our invention,

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

1. The hull or body D, constructed as described, and provided with catches *k k* and levers E E, substantially as and for the purposes herein set forth.

2. The combination of the cap or top B with screw-stem C, offset *a*, hull or body D, and levers E E, all constructed and arranged to operate substantially in the manner and for the purposes herein set forth.

In testimony that we claim the foregoing, we have hereunto set our hands this 21st day of January, 1870.

JOSEPH F. APPLGATE.
CASPAR FEIOCK.

Witnesses:

JACOB HERTER,
JOHN DIETZ.