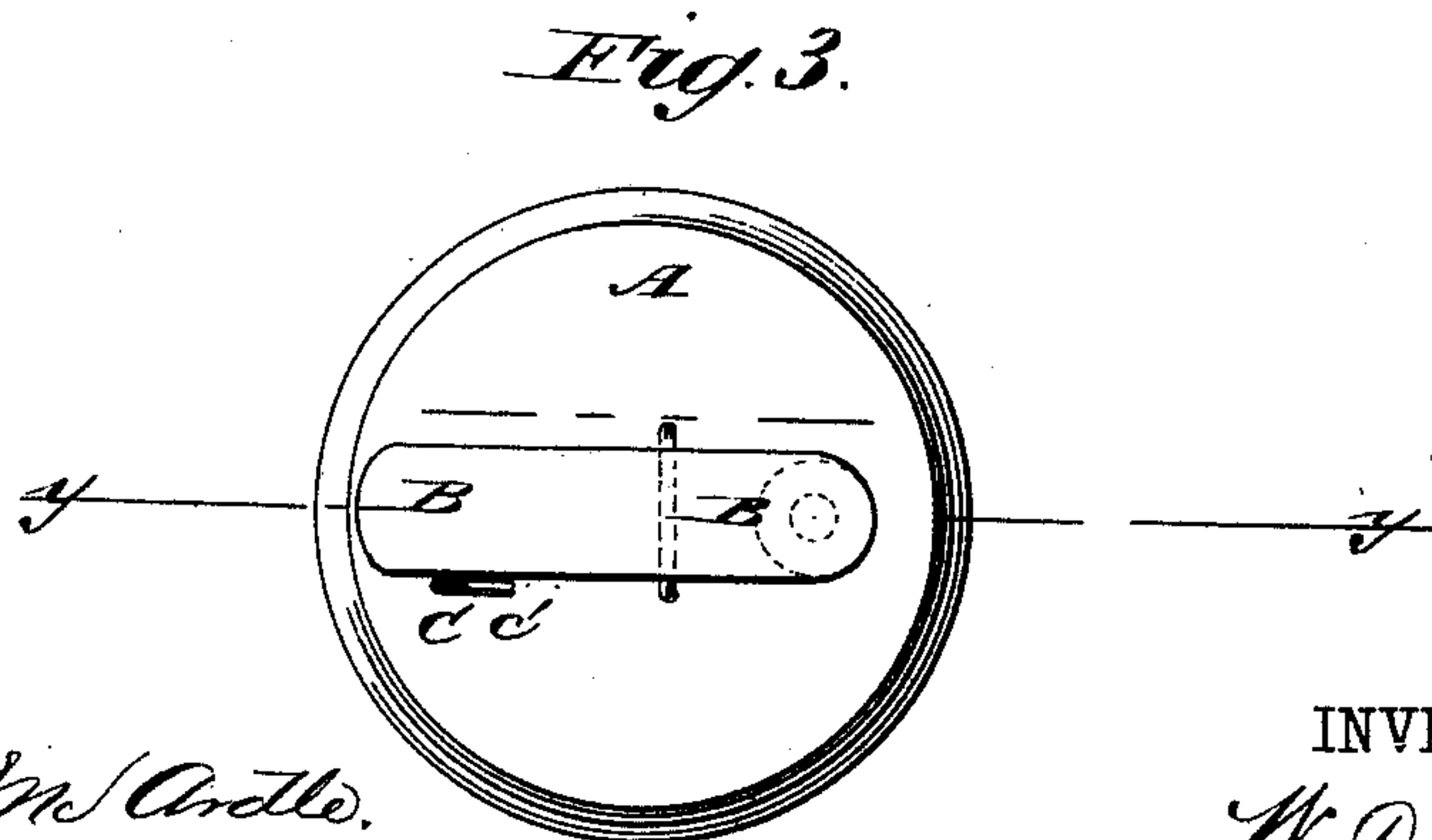
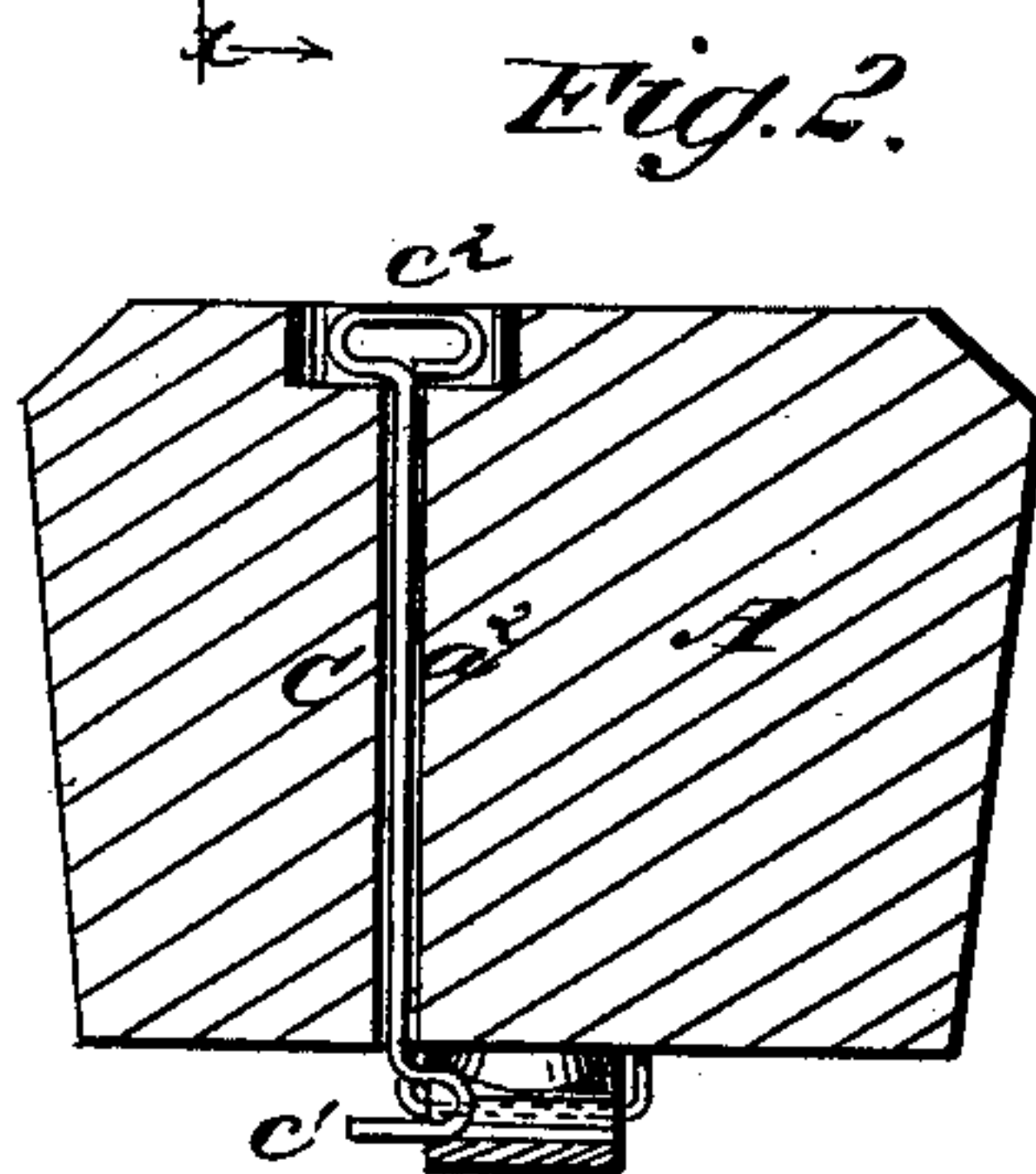
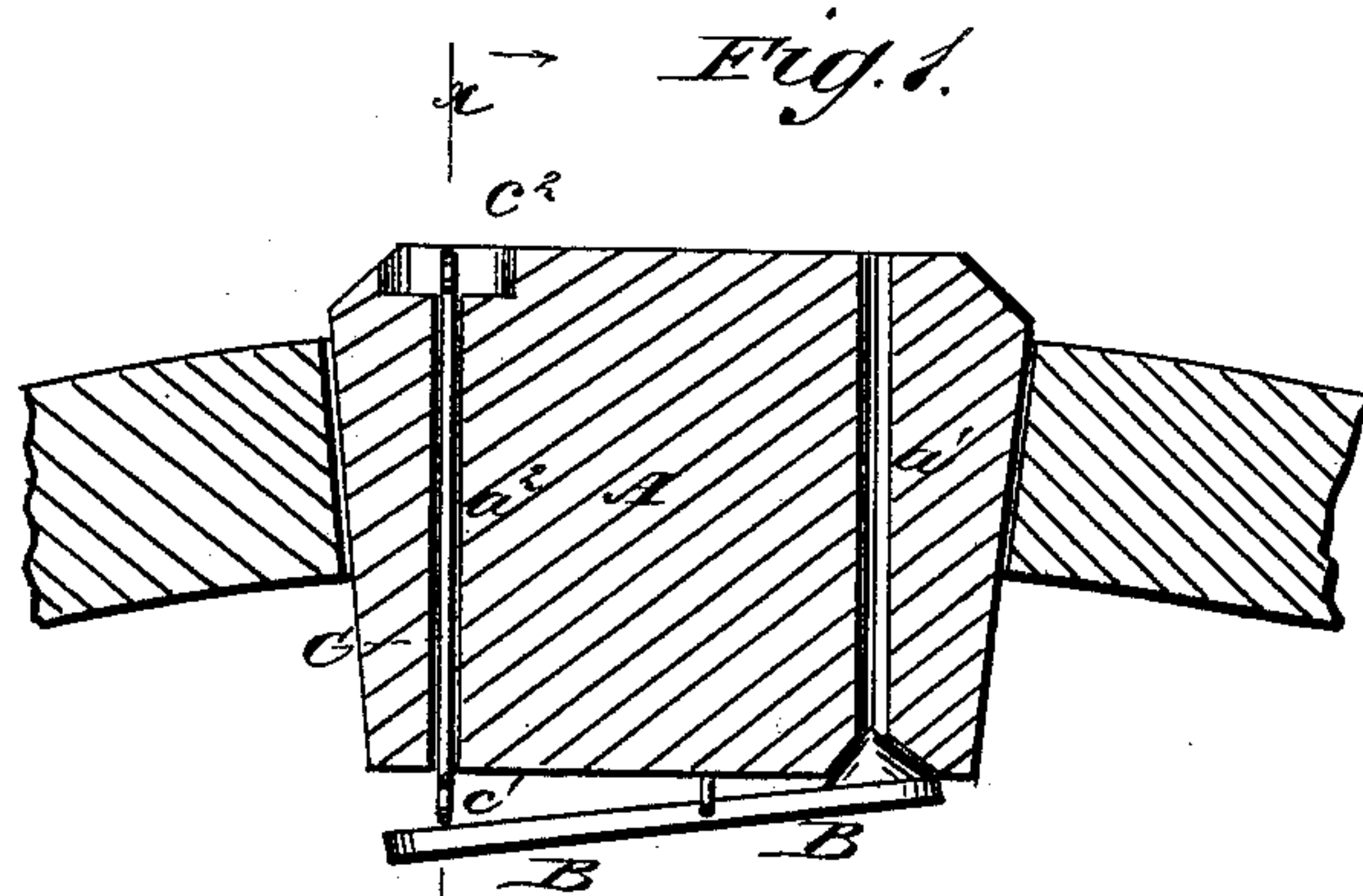


W. D. SCOTT.  
Bung.

No. 219,985.

Patented Sept. 23, 1879.



WITNESSES:

*Francis McArdle.*  
*C. Sedgwick*

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# UNITED STATES PATENT OFFICE.

WILSON D. SCOTT, OF SAN FRANCISCO, CALIFORNIA.

## IMPROVEMENT IN BUNGS.

Specification forming part of Letters Patent No. **219,985**, dated September 23, 1879; application filed May 31, 1879.

*To all whom it may concern:*

Be it known that I, WILSON D. SCOTT, of San Francisco, in the county of San Francisco and State of California, have invented a new and useful Improvement in Bungs, of which the following is a specification.

Figure 1 is a detail section of one of my improved bungs, taken through the line *yy*, Fig. 3. Fig. 2 is a detail section of the same, taken through the line *xx*, Fig. 1. Fig. 3 is a view of the inner end of the bung.

The object of this invention is to furnish improved bungs for barrels, kegs, &c., for holding beer and other similar liquids, which will be so constructed as to admit air automatically to take the place of the liquid drawn out, and thus allow the said liquid to flow freely while being drawn, which will close itself automatically when the outflow of the liquid stops, and which will allow the valve to be locked shut when handling the cask, and which shall be simple in construction and convenient and reliable in use.

The invention consists in the combination of the hinged valve with the inner end of the bung, to close the inner end of the air-hole formed through the said bung, and in the combination of the rod having a head formed upon its inner end and a parallel cross-head handle formed upon its outer end with the bung and the hinged valve, to lock the said valve shut, as hereinafter fully described.

A represents a bung, which may be made of wood or metal, and may be made to be driven or to be screwed into its seat, as may be desired. Through the bung A, near one side, is formed a hole, *a*<sup>1</sup>, through which air may pass into the cask.

To the inner end of the bung A is hinged a lever-valve, B, the forward end of which is so formed as to fit into and close the inner end of the hole *a*<sup>1</sup>, where it is held in place by the outward pressure of the vapor or gas from the liquid, and by the weight of its lever end. With this construction, when so much liquid has been drawn out that the pressure of the

vapor or gas will no longer cause it to flow, the pressure of the air will open the valve B, and allow enough air to enter to cause the liquid to flow freely.

The rear end of the lever-valve B projects beyond the valve-hinge, as shown in Figs. 1 and 3, and by its weight closes the said valve.

C is a rod which passes in air-tight through a hole, *a*<sup>2</sup>, through the bung A, in such a position that its inner end may project at the side of the rear end of the lever-valve B.

Upon the inner end of the rod C is formed a head, *c*<sup>1</sup>, which, by turning the said rod C one-quarter around, will be forced in beneath the rear end of the lever-valve B and lock the said valve closed, so that the cask may be rolled or otherwise handled without any liquid spilling out. The outer end of the hole *a*<sup>2</sup> is countersunk, and upon the outer end of the rod C and within the said countersink is formed a cross-head handle, *c*<sup>2</sup>, which is made parallel with the head *c*<sup>1</sup>, so as to show the position in which the said cross-head may be, and to serve as a guide in adjusting the said cross-head. The cross-head handle *c*<sup>2</sup>, being beneath the surface of the outer end of the bung B, is fully protected from any accidental blow.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the hinged valve B with the inner end of the bung A, to close the inner end of the air-hole *a*<sup>1</sup> formed through the said bung A, substantially as herein shown and described.

2. The combination of the rod C, having a head, *c*<sup>1</sup>, formed upon its inner end, and a parallel cross-head handle, *c*<sup>2</sup>, formed upon its outer end, with the bung A and the hinged valve B, to lock the said valve shut, substantially as herein shown and described.

WILSON DAVIDSON SCOTT.

Witnesses:

ALEXANDER BLAKELY,  
ROBERT THOMPSON.