

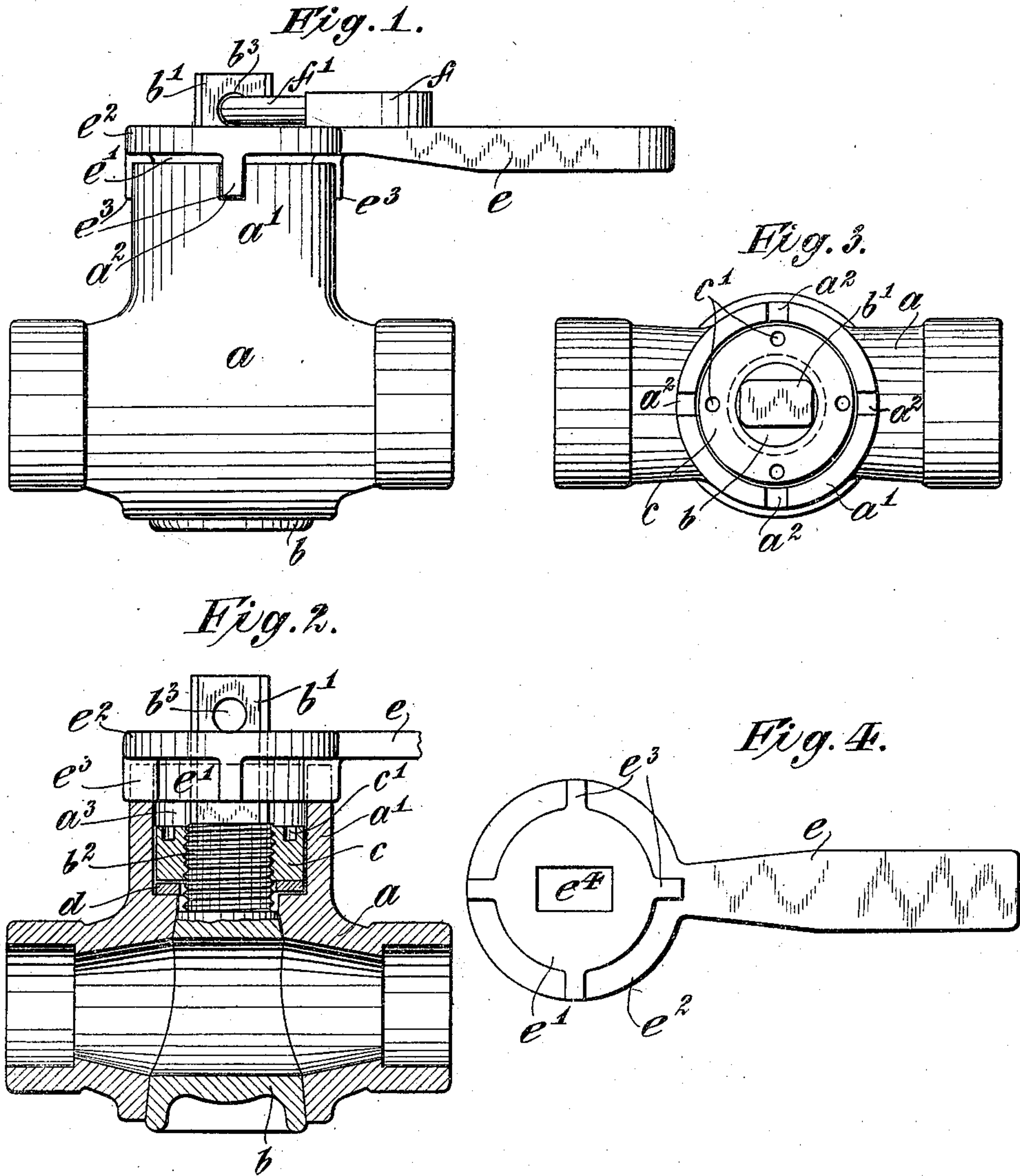
J. SCHNEIBLE.

LOCK COCK.

APPLICATION FILED JULY 7, 1910

983,842.

Patented Feb. 7, 1911.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## LOCK-COCK.

983,842.

Specification of Letters Patent.

Patented Feb. 7, 1911.

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*To all whom it may concern:*

Be it known that I, JOSEPH SCHNEIBLE, a citizen of the United States, residing in Weehawken, in the State of New Jersey, have invented certain new and useful Improvements in Lock-Cocks, of which the following is a specification, reference being had to the accompanying drawing, forming a part hereof.

This invention relates to stop cocks for Government pipe lines in breweries and for other uses which require the cock to be locked against being turned by an unauthorized person.

Cocks of this general character are in common use and it is the object of the invention to improve the construction thereof in certain particulars, as will be pointed out hereinafter, whereby the construction is simplified and the moving parts of the cock are protected against injury as well as against the accumulation of dirt, while provision is also made for securely locking the cock.

The invention will be more fully explained hereinafter with reference to the accompanying drawing in which it is illustrated, and in which—

Figure 1 is a view in side elevation of the improved cock. Fig. 2 is a view of the same, partly in vertical, longitudinal section, the handle being shown in elevation and partly broken off to save space. Fig. 3 is a top view of the cock with the handle removed. Fig. 4 is a view of the underside of the handle.

The body *a* of the cock may have any suitable form, but is provided on its upper side with a circular flange *a'* which has slots or notches *a<sup>2</sup>* in its upper edge, the flange *a'* forming a comparatively deep chamber *a<sup>3</sup>*. The plug *b* and the seat therefor in the body *a* are tapered upwardly so that the smaller end of the plug *b* projects into the chamber *a<sup>3</sup>*. The plug *b* is also provided on its upper end with a locking extension *b'* which is squared or of other polygonal cross section, and at an intermediate point is threaded, as at *b<sup>2</sup>*, to receive the adjusting nut *c* which draws the plug to its seat in the valve body, a spring washer *d* being interposed between the nut *c* and the shoulder at the bottom of the chamber *a<sup>3</sup>*. The nut *c* is formed in its upper end with holes *c'* that it may be engaged by a suitable spanner when adjustment is required. In the improved cock the handle *e*,

by which the plug is turned when unlocked, forms also the lock by which the plug is held from being turned and a cover for the chamber *a<sup>3</sup>*. It is therefore formed on its underside with a cylindrical boss *e'* which is adapted to fit closely within the flange *a'* of the body *a* and, above the cylindrical boss *e'*, with a projecting flange *e<sup>2</sup>* which overlaps the upper edge of the flange *a'* when the handle is in position as shown in Figs. 1 and 2. On the underside of the handle are also formed lugs *e<sup>3</sup>* which are adapted to enter the notches *a<sup>2</sup>* in the upper edge of the flange *a'*, the handle being held by such engagement from being turned. The body or boss of the handle is provided centrally with an aperture *e<sup>4</sup>* which conforms to the upward projection *b'* of the plug, so that there can be no relative movement of the plug and handle. The projection *b'* of the plug is also provided with an aperture *b<sup>3</sup>*, above the handle *e* when the parts are assembled as shown in Figs. 1 and 2, to receive the hasp *f'* of a suitable padlock *f*.

When the handle is entirely removed access may be had to the chamber *a<sup>3</sup>* to permit adjustment of the nut *c* to be effected, but when the handle is in position, either for locking or for turning the plug, the chamber is completely covered thereby and the parts are therefore protected against injury or the accumulation of dirt. When the handle is in the position shown in Figs. 1 and 2 it holds the plug from being turned, by reason of the engagement of the lugs *e<sup>3</sup>* with the notches in the flange *a'*, the handle being locked in such engagement by the padlock *f*, but when the padlock is removed the handle may then be lifted from engagement with the spindle *b'* of the plug *b* and turned over to reengage the same so as to turn the plug.

I claim as my invention:

1. In a lock cock the combination of a body having a tapered valve seat and a flange forming a chamber around the smaller end of the valve seat and having notches in its upper edge, a tapered plug seated in the body and having a threaded portion within said chamber and a polygonal spindle extended above the chamber and formed to be engaged by a lock, an adjusting nut located within said chamber, a removable handle formed to engage the spindle of the plug and having lugs to engage

the notches in the flange of the body, and means to lock the handle in position.

2. In a lock cock the combination of a body having a tapered valve seat and a flange forming a chamber around the smaller  
5 end of the valve seat and having notches in its upper edge, a tapered plug seated in the body and having a threaded portion within said chamber and a polygonal spindle ex-  
10 tended above the chamber and formed to be engaged by a lock, an adjusting nut located

within said chamber, a removable handle having on its underside a boss to fit within the flange of the body and lugs to engage the notches of the flange, and means to lock the  
15 handle in position.

This specification signed and witnessed this 5th day of July, A. D., 1910.

JOSEPH SCHNEIBLE.

Signed in the presence of—

ELLEN J. KRUGER,

AMBROSE L. O'SHEA.