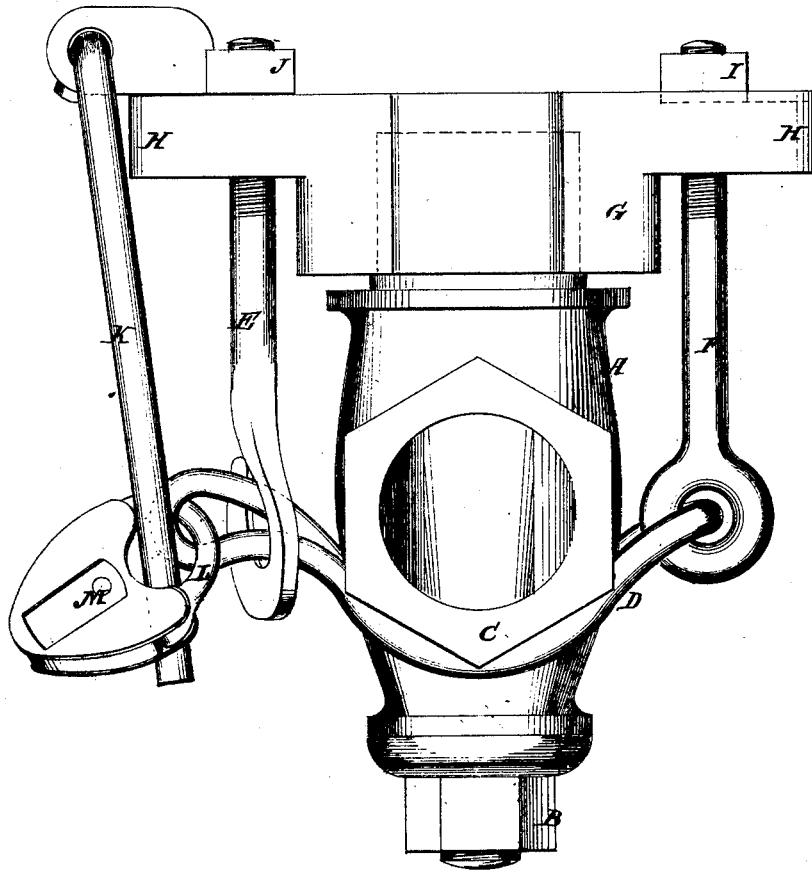


*J. E. Jones,*  
*Lock Stop Chart.*

*No. 111,943.*

*Patented Feb. 21. 1871.*



**Witnesses:**

*E. W. H. P.*  
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# United States Patent Office.

J. EVANS JONES, OF TIDIOUTE, PENNSYLVANIA.

Letters Patent No. 111,943, dated February 21, 1871.

## IMPROVEMENT IN LOCK-STOP COCKS.

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

### *To all whom it may concern:*

Be it known that I, J. EVANS JONES, of Tidioute, in the county of Warren and State of Pennsylvania, have invented a new and useful Improvement in Lock-stop Cock; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The object of this invention is to provide suitable and efficient means for pressing in and locking a stop-cock in its seat, so that it cannot be tampered with or loosened so as to leak; and

It consists in applying a bridle and cap connected and arranged to operate as hereinafter more fully described.

The accompanying drawing is a side view of a stop-cock secured according to my invention.

Suitable letters of reference indicate corresponding parts.

A is the shell or seat of the stop-cock, which is bored out and the cock fitted thereto in the ordinary manner.

Upon the lower end of the cock there is a nut, B. The upper end of the cock extends up through the shell, as indicated in the drawing.

C is a projecting flange around an orifice on two opposite sides of the shell, to which the conducting-pipe is attached.

D is a bridle of iron rod, which surrounds the shell

beneath the projections C with its looped ends extending out for connecting with the bolts E F, and attaching the lock, as seen in the drawing.

G is a cap, which is made to fit over the stem or upper end of the cock.

H H are ears on opposite sides of the cap, which receive the bolts E F.

The nuts I on the bolt F rest in a recess in the top of the cap, and is thereby prevented from turning. The recess is seen in dotted lines.

J is a wing-nut on the bolt E, and is prevented from turning by means of the rod K, which is attached to the nut, and passes down through shackle L of the lock M, as seen in the drawing.

The bridle loop passes through the eye of the bolt E, and receives the shackle of the lock, the whole arrangement being plainly seen in the drawing.

By this means the cock is pressed tightly into its seat and securely fastened in that position.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

In combination with a stop-cock, the bridle D, cap G, bolts E and F, the nuts I and J, rod K, and lock M, arranged substantially as and for the purposes herein shown and described.

J. EVANS JONES.

Witnesses:

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