No. 725,290. PATENTED APR. 14, 1903.

J. SPEER.

LOCK.

APPLICATION FILED JULY 12, 1901.

NO MODEL.

Fig. 1.

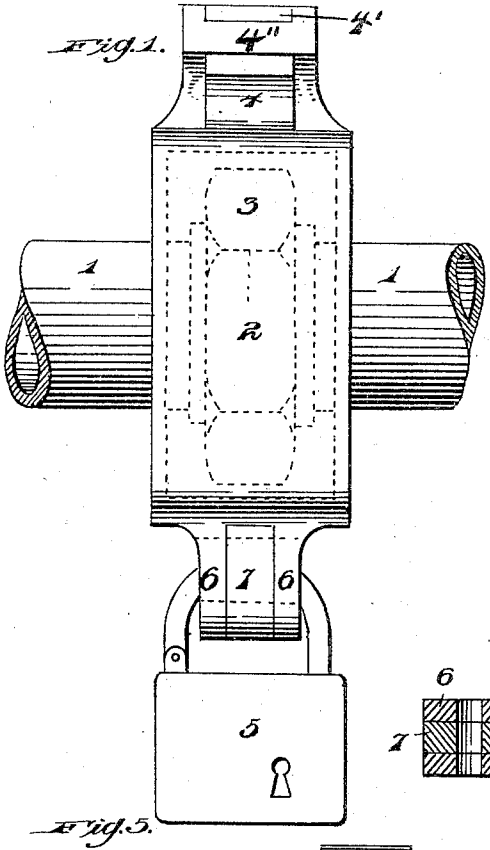


Fig. 2.

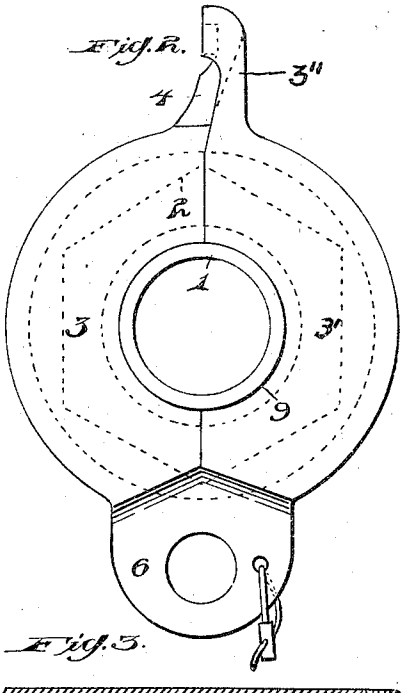


Fig. 3.

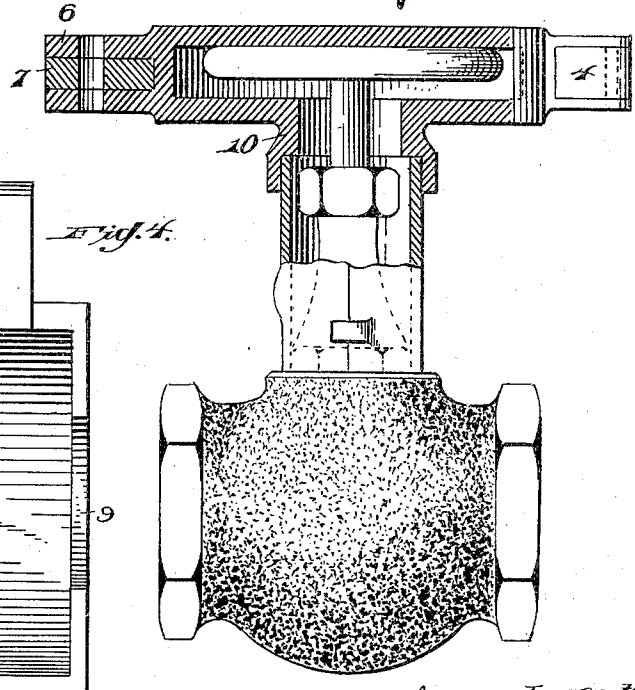


Fig. 5.

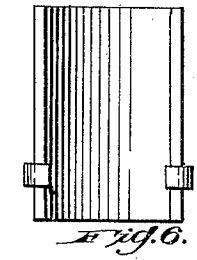


Fig. 6.

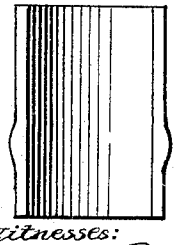
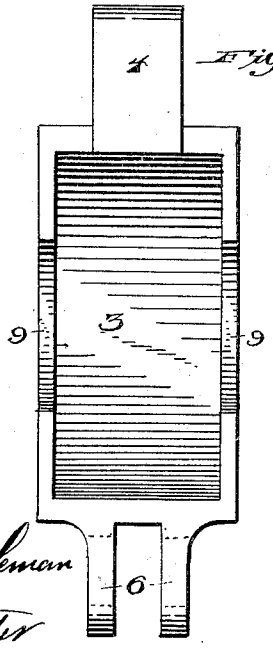


Fig. 4.



Witnesses:

J. P. Appleman

M. Hunter

Inventor

John Speer

By

O. D. Lewis

Atty.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN SPEER, OF PITTSBURG, PENNSYLVANIA.

LOCK.

SPECIFICATION forming part of Letters Patent No. 725,290, dated April 14, 1903.

Application filed July 12, 1901. Serial No. 68,028. (No model.)

To all whom it may concern:

Be it known that I, JOHN SPEER, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Locks; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in locks for couplings and valves, and has for its object the provision of novel means whereby couplings are securely locked and cannot be removed from the pipe unless the lock is first removed.

The invention further aims to apply the device to valve-stems and the like, preventing the same from being tampered with by outside persons.

Heretofore it has been a difficult matter to control the supply of gas and the like, the couplings being tampered with to make connections before the gas enters the meter and also close certain valves to diminish the supply of gas and the like.

It is the object of the present invention to overcome all such difficulties by providing a lock that will render both the couplings and valves inaccessible unless the lock is first removed.

With the above and other objects in view the invention consists in the novel combination and arrangement of parts to be hereinafter more fully described, and specifically pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of a pipe, showing in dotted lines a coupling or union having my improved lock applied thereto in position. Fig. 2 is a plan view of the lock proper with my improved lock removed therefrom. Fig. 3 is a side elevation of the valve, showing in vertical section the valve-stem having my improved lock applied in position thereto. Fig. 4 is a plan view looking into one of the hinged sections forming the lock. Figs. 5 and 6 are side elevations of the lock valve-casing as shown in Fig. 3 of the drawings.

In the drawings the reference-numeral 1 indicates the two sections of pipe having a coupling 2 interposed therebetween.

The lock or casing is composed of two sections 3 and 3′, section 3 carrying an integral contracted extension 4 at its upper end. At the upper extremity of this extension is a hook portion 4′. Section 3′ likewise carries an extension 3″, which is cut away to receive the extension 4 and the hook portion 4′, which engages with a cross-piece 4″, carried by the extension 3″, forming a hinge connection between the two sections when in their normal position. The lower extremities of these two sections are provided with extensions 6 and 7, having registering-apertures for the reception of the padlock 5. Extension 3″ extends outwardly and then forward at a substantial right angle to the major portion of the extension, the cut-away portion of this extension forming legs which engage the upper portion of the extension 4. The cross-piece 4″ is located or formed integral with the extension 3″ at the outer end of the right-angular portion thereof and extends sufficiently below the upper end of this right-angular member to permit the hook 4′ to seat on the upper side of this cross-piece, the hook engaging between the legs of the extension 3″ and extending flush with the upper end of the extension 3″. Thus the hook portion is incased by the extension 3″ and is consequently protected by the latter. The said casing 3 and 3′ when closed entirely incases the coupling, said casing having formed therein suitable openings 9 to allow the pipe to pass therethrough.

The reference-numeral 10 indicates a collar when the device is to be applied to a valve, as shown in Fig. 3 of the drawings.

The manner of operating my improved lock is as follows: The two sections being hinged together are slipped over the pipe inclosing the coupling and are then securely locked together by means of the padlock, as shown in Fig. 1 of the drawings. The coupling cannot be tampered with, as will be readily understood.

The device, as shown in Fig. 3 of the drawings, merely carries a head 10, performing the

same function upon the valve-stem as heretofore described for inclosing the coupling. The said valve-casing is preferably formed as illustrated in Figs. 5 and 6 of the drawings, although the latter may be modified in various ways without departing from the general spirit of my invention.

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

1. A device of the type set forth, comprising a casing formed of two sections, an outward-contracted extension carried by one end of one of the sections and having a hook portion formed integral with its outer end, an outward extension of greater width than the first-named extension formed integral with the other section, said last-named extension being cut away to form legs between which said contracted extension is received, the upper end of the second-named extension extending forwardly at right angles to the said legs thereof, a cross-piece carried by the said right-angular portion of the said extension on its outer end, and being located below the upper side of the said portion, to receive the hook portion and permit the latter to extend flush with the upper sides of said right-angular portion, and outward-extending apertured legs carried on the opposite ends of the sections, with a lock engaging through the apertures for securing the sections together, substantially as described.

2. A device of the type set forth, consisting of a casing formed in two sections adapted to inclose the valve-stem, said casing seating on the upper side of the valve-casing, and extending below the hand-wheel of the valve-stem, and a second casing comprising two sections having a hinged connection with each other, one of said last-named sections having a head formed integral therewith, said head being apertured and engaging over the upper end of said first-named casing and seating on the upper edge thereof, and a lock for securing the sections of the first-named casing together.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

JOHN SPEER.

Witnesses:
JOHN GROETZINGER,
M. HUNTER.