

W. THOMPSON.
VALVE GUARD.
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923,731.

Patented June 1, 1909.

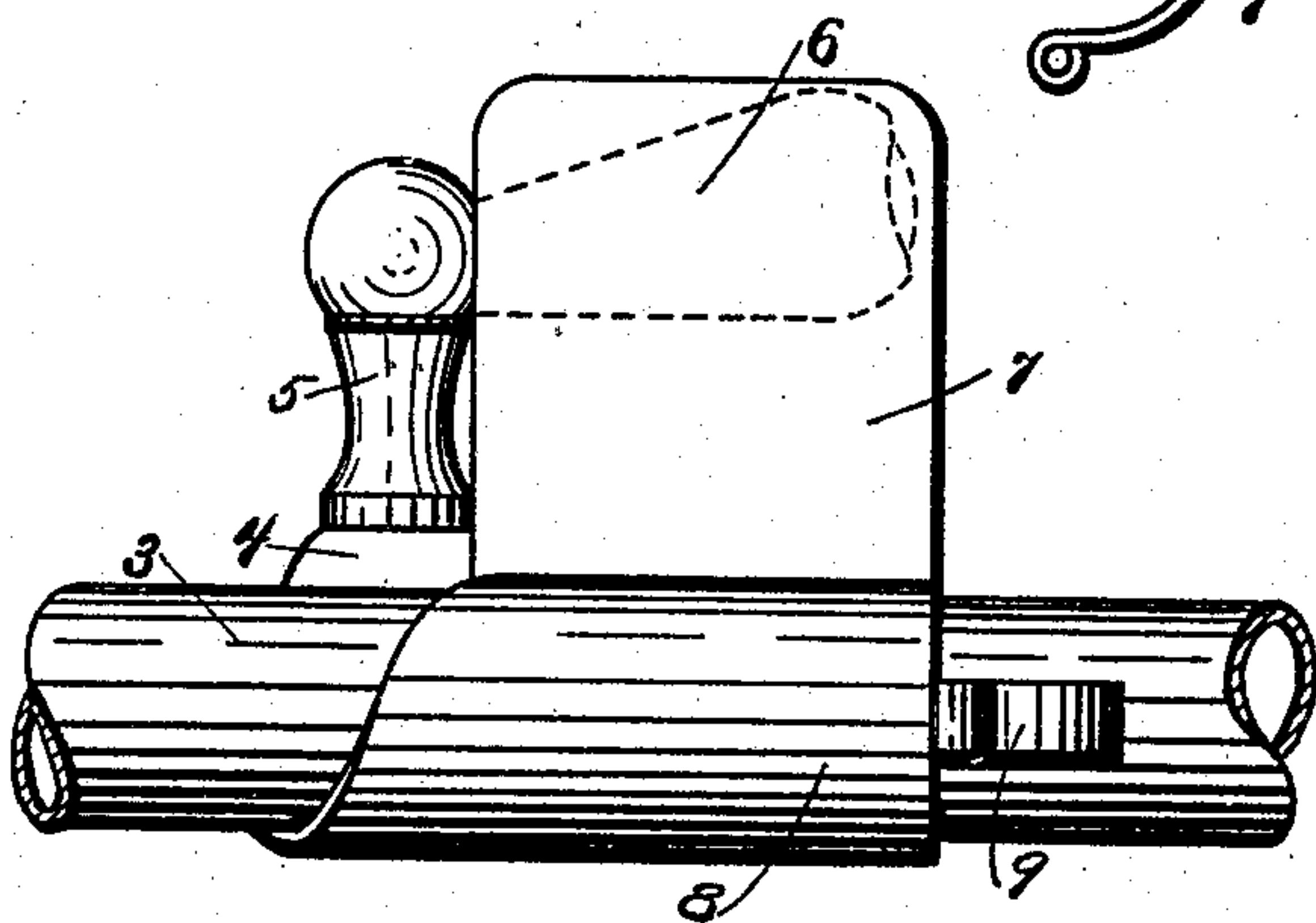
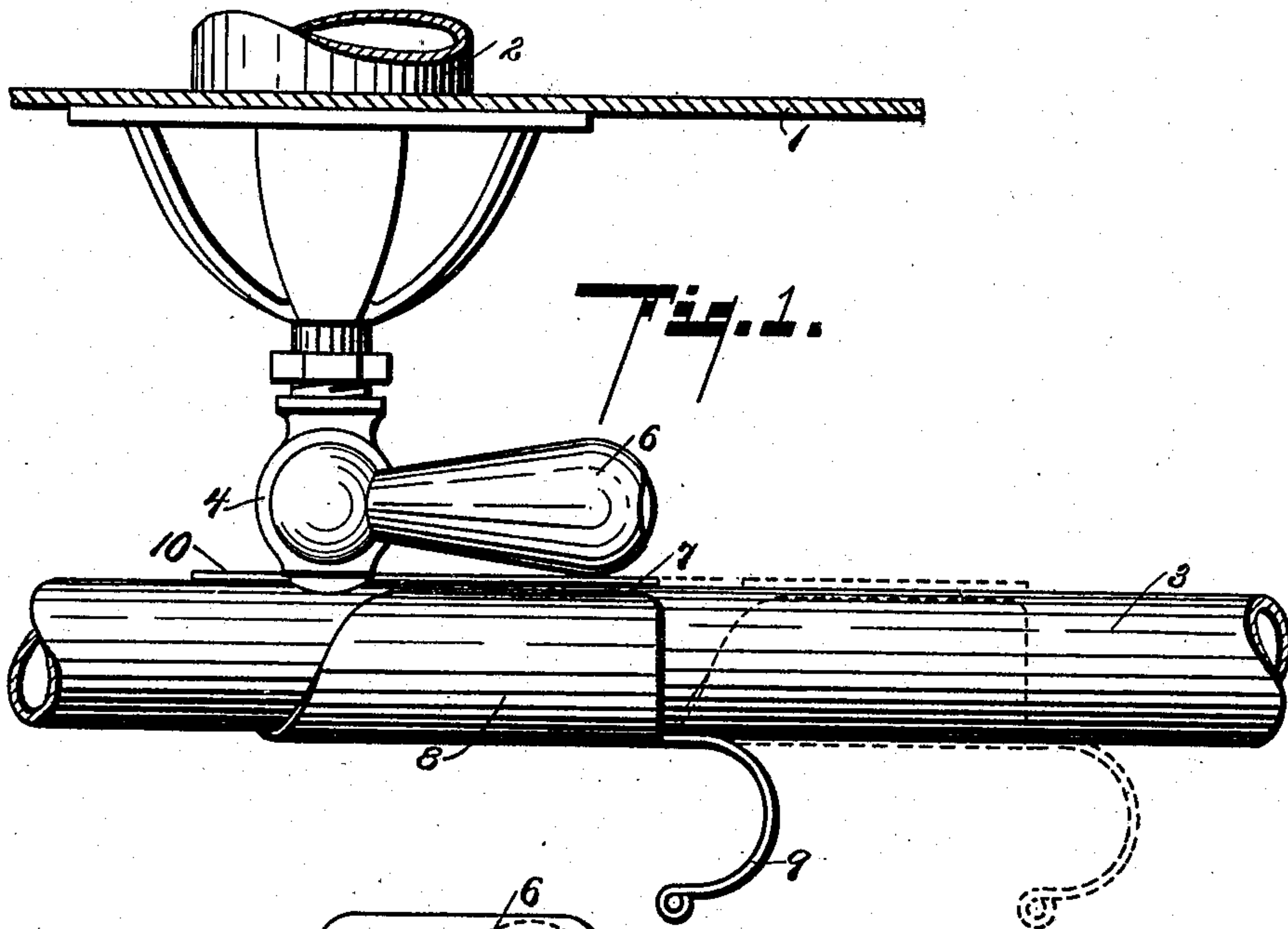
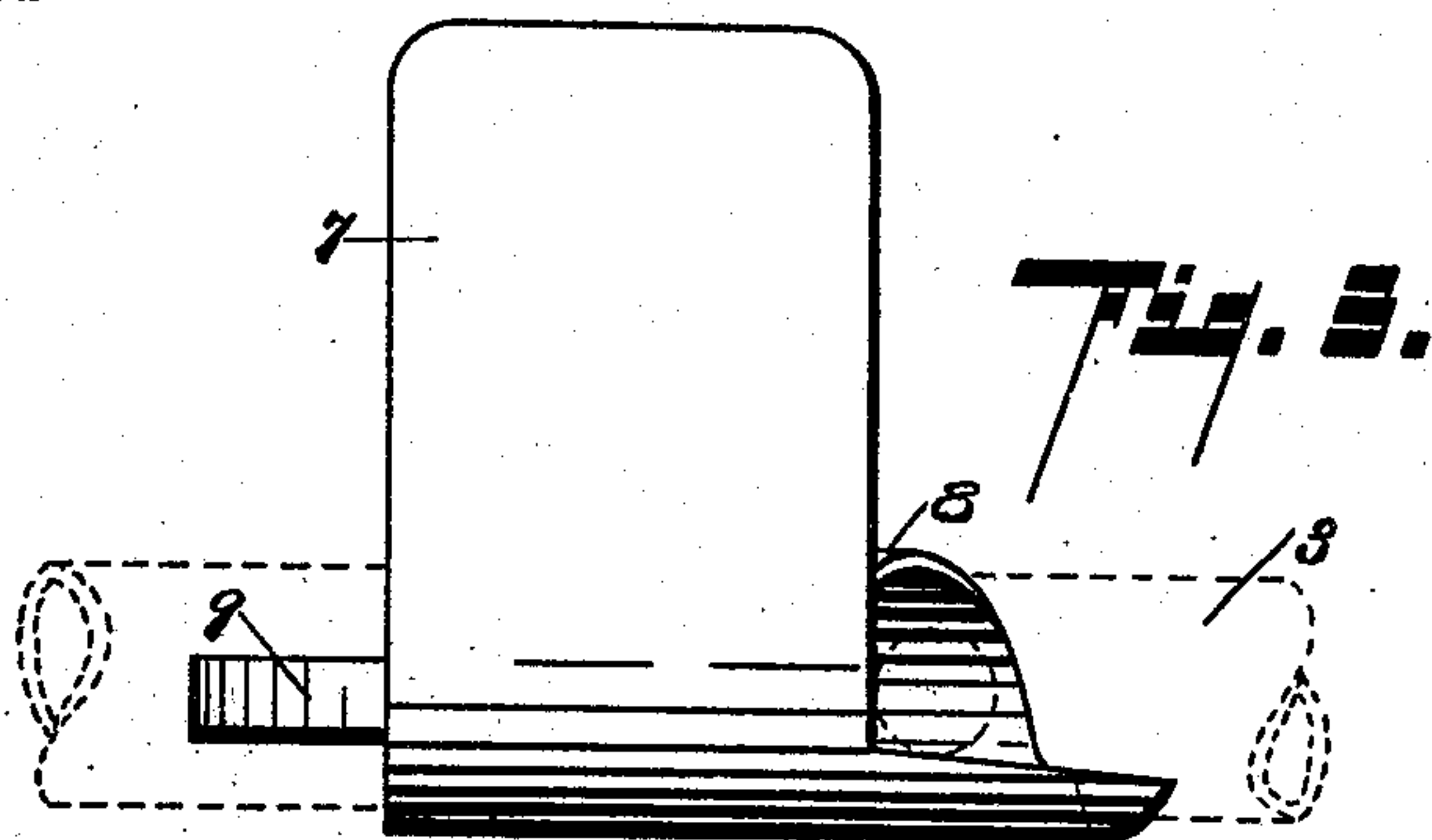


Fig. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM THOMPSON, OF KALAMAZOO, MICHIGAN.

VALVE-GUARD.

No. 923,731.

Specification of Letters Patent.

Patented June 1, 1909.

Application filed December 3, 1908. Serial No. 465,865.

To all whom it may concern:

Be it known that I, WILLIAM THOMPSON, a citizen of the United States, residing at Kalamazoo, Kalamazoo county, Michigan, have invented certain new and useful Improvements in Valve-Guards, of which the following is a specification.

This invention relates to improvements in valve guards.

My improved valve guard is particularly adapted or applicable as a guard for gas stove burner valves, and I have illustrated the same herein as embodied in such a structure, although it is applicable for use in other relations.

The main object of this invention is to provide an improved valve guard which is quickly adjusted to prevent or to permit the manipulation of the valve.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure embodying the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure 1 is a detail plan of a structure embodying the features of my invention. Fig. 2 is a detail elevation thereof. Fig. 3 is a rear elevation of my improved guard, the gas supply being indicated by dotted lines.

In the drawing, similar numerals of reference refer to similar parts throughout the several views.

Referring to the drawing, 1 represents the wall of an oven, 2 an oven burner, and 3 the gas supply pipe. The burner valve casing 4 projects laterally from the pipe 3 and is arranged to deliver to the burner 2. The valve stem 5 projects upwardly from the valve casing, and is provided with a laterally-projecting hand piece 6 adapted to lie substantially parallel with the gas supply pipe 3, when in its closed position, as is illustrated in the accompanying drawing.

The guard 7 is pivotally and slidably mounted upon the supply pipe, so that it can be adjusted to bring it into its engaging position, as is illustrated in Fig. 1, or moved out of its engaging position, as shown by dotted lines in Fig. 1, in which position it is free to

swing upon the pipe. This guard is preferably formed of a single piece of sheet metal, its lower end being rolled about the pipe to form the bearing portion 8. The finger piece 9 is also preferably made integral when the guard is formed of sheet metal. The guard is provided with a forwardly-projecting portion 10 adapted to engage the valve casing when the guard is in its operative position, so that its revolution upon the pipe is prevented thereby, the hand piece 6 preventing its rearward movement. By thus forming and arranging the parts, they are very quickly adjusted into and out of operative position, and the guard can be used in connection with or applied to the common construction of valves.

When the guard is adjusted to its closed position, it prevents the manipulation of the valve until it is moved out of position, and further serves as a signal to indicate that the valve is closed, as, with the structure illustrated, the guard will not remain in its operative position unless the valve is closed.

The structure is, as stated, economical to produce, and, at the same time, is entirely effective for the purpose.

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

1. The combination with a gas supply pipe, of a valve casing connected thereto; a valve stem having a laterally-projecting hand piece; and a guard pivotally and slidably mounted upon said supply pipe whereby it may be adjusted into and out of engagement with said valve stem hand piece, said guard being adapted to engage said valve casing when in its operative position whereby its revolution on the said pipe is prevented, said guard being formed of a single piece of sheet metal rolled about said pipe and being provided with an integrally formed finger piece.

2. The combination with a gas supply pipe, of a valve casing connected thereto; a valve stem having a laterally-projecting hand piece; and a guard pivotally and slidably mounted upon said supply pipe whereby it may be adjusted into and out of engagement with said valve stem hand piece, said guard being adapted to engage said valve casing when in its operative position whereby its revolution on the said pipe is prevented.

3. The combination with a gas supply

pipe, of a valve casing connected thereto; a valve stem having a laterally-projecting hand piece; and a guard mounted upon said supply pipe whereby it may be adjusted into
5 and out of engagement with said valve stem hand piece, said guard being adapted to engage said valve casing when in its operative position whereby its revolution on the said pipe is prevented, said guard being formed
10 of a single piece of sheet metal rolled about said pipe and being provided with an integrally formed finger piece.

4. The combination with a gas supply pipe, of a valve casing connected thereto; a
15 valve stem having a laterally-projecting hand piece; and a guard mounted upon said supply pipe whereby it may be adjusted into and out of engagement with said valve stem
20 hand piece, said guard being adapted to engage said valve casing when in its operative position whereby its revolution on the said pipe is prevented.

5. The combination with a gas supply pipe, of a valve casing connected thereto; a
25 valve stem having a hand piece; and a guard pivotally and slidably mounted upon said supply pipe whereby it may be adjusted into and out of engagement with said valve stem
30 hand piece, said guard being formed of a single piece of sheet metal rolled about said pipe and being provided with an integrally formed finger piece.

6. The combination with a gas supply pipe, of a valve casing connected thereto; a valve stem having a hand piece; and a
35 guard pivotally and slidably mounted upon said supply pipe whereby it may be adjusted into and out of engagement with said valve stem hand piece.

7. The combination with a gas supply
40 pipe, of a valve casing connected thereto; a valve stem having a hand piece; and a guard slidably mounted upon said supply pipe whereby it may be adjusted into and
45 out of engagement with said valve stem hand piece, said guard being formed of a single piece of sheet metal rolled about said pipe and being provided with an integrally formed finger piece.

8. The combination with a gas supply
50 pipe, of a valve casing connected thereto; a valve stem having a hand piece; and a guard slidably mounted upon said supply pipe whereby it may be adjusted into and
55 out of engagement with said valve stem hand piece.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

WILLIAM THOMPSON. [L. s.]

Witnesses:

J. C. GOODALE, Jr.,
W. E. DERWENT.