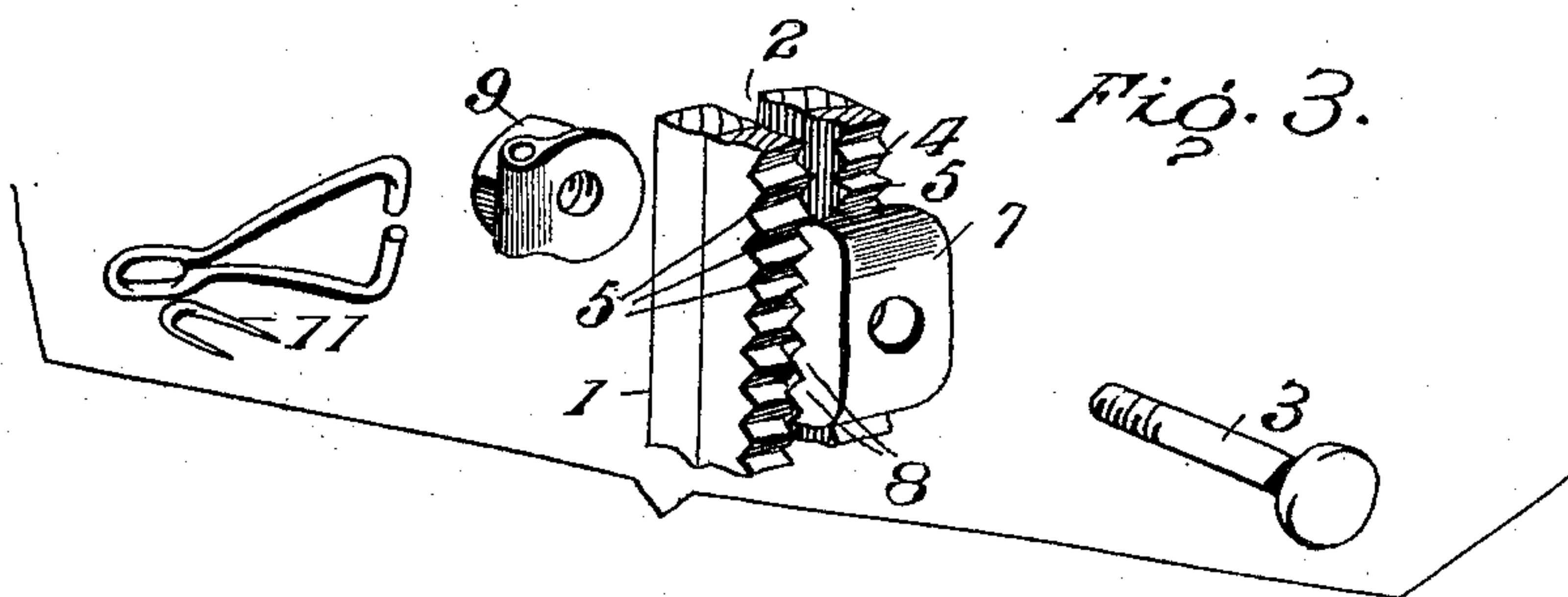
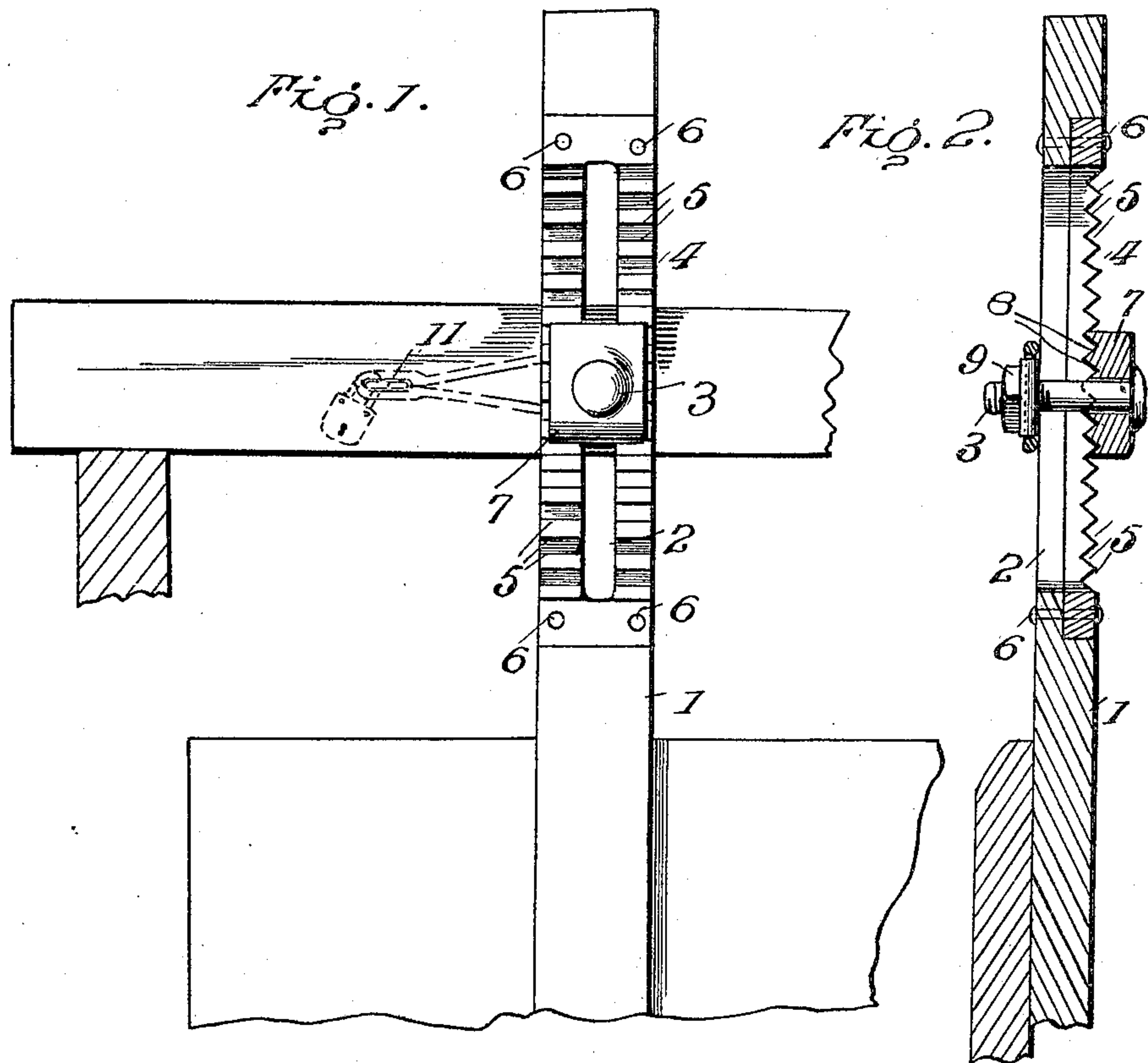


No. 821,854.

PATENTED MAY 29, 1906.

F. S. BURROUGHS.
LOCK FOR WATER GATES.
APPLICATION FILED JUNE 20, 1905.



Inventor

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Witnesses
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FRANK S. BURROUGHS, OF ZILLAH, WASHINGTON.

LOCK FOR WATER-GATES.

No. 821,854.

Specification of Letters Patent.

Patented May 29, 1906.

Application filed June 20, 1905. Serial No. 266,144.

To all whom it may concern:

Be it known that I, FRANK S. BURROUGHS, a citizen of the United States, residing at Zillah, in the county of Yakima and State of Washington, have invented certain new and useful Improvements in Locks for Water-Gates, of which the following is a specification.

This invention relates to an improved lock for water-gates; and it consists, essentially, of a metal plate provided with a roughened side and secured to the gate-post and a clamping member adapted to be forced into engagement with the roughened surface in order to prevent any vertical movement of the gate-post.

Where water is used for irrigation purposes it becomes an important factor in the welfare of the country, and much trouble and annoyance are frequently occasioned by tampering with the water-gates. The object of the invention is to overcome this difficulty and produce a lock which can be readily applied to any gate-post, which is simple and durable in construction, and which can be manufactured at a comparatively small cost.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a front view of the device. Fig. 2 is a longitudinal sectional view. Fig. 3 is a detail perspective view of the various parts.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The numeral 1 designates a gate-post which is attached to the gate at its lower end and is provided with a longitudinal slot 2, which co-operates with a bolt 3 to permit vertical movement of the gate. A metal plate 4, which is provided with a series of transverse notches 5 and a slot corresponding to the slot 2, is placed in a recess formed by cutting away a portion of the gate-post and is secured in position by any suitable means, such as bolts 6. The bolt 3 is provided with a washer 7, having teeth 8 on one side thereof corresponding to and adapted to engage with

the notches 5. If desirable, it will be obvious that instead of using a washer the head of the bolt could be formed with suitable teeth. The member 7 is held in engagement with the metal plate 4 by means of a nut 9 upon the bolt 3. This nut is provided with a hasp which fits over a staple 11, and can hence be locked against turning. In order to raise the gate, the operator unlocks the nut and loosens same until the teeth of the washer are out of engagement with the notches on the metal plate. By the reverse operation the gate can be securely locked at any desired height. A common method of locking these gates consists of a square washer having corners turned down to form teeth which bite into the wooden gate-post. This has the disadvantage that by the use of some suitable tool the gate can be forced upward and the teeth caused to cut grooves in the wood.

With my device the gate can be positively locked in any desired position, and it will be impossible to either raise or lower same without unlocking the nut in the regular manner.

Having thus described the invention, what is claimed as new is—

1. In a lock for water-gates the combination of a gate-post, a clamp member having an interlocking connection therewith, a bolt holding the clamp member in engagement with the gate-post, a nut coöperating with the bolt, and a member pivotally connected to the nut and engaging with a suitable projection to prevent the turning of the nut.

2. In a lock for water-gates the combination of a gate-post having a longitudinal slot and provided with a recess on one side thereof, a metal plate fitting in said recess and having a roughened surface and also having a slot corresponding to the slot in the gate-post, a clamping member having a roughened surface adapted to coöperate with the before-mentioned plate to lock the gate in position, a bolt having connection with the clamping member and passing through the slot, and means for locking the bolt against working loose.

3. In a lock for water-gates the combination of a gate-post provided with a longitudinal slot and having a recess on one side thereof, a metal plate fitting in said recess and having a series of transverse notches therein

and also having a slot corresponding to the slot in the gate-post, a clamping member having a series of transverse teeth adapted to engage the notches on the plate to lock the gate
5 in position, a bolt connected to the clamping member and passing through the slot, and means to prevent the bolt from turning loose.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK S. BURROUGHS. [L. s]

Witnesses:

CARRIE Fox,
D. A. Fox.