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R. W. CLARK.
PIPE HANGER.
APPLICATION FILED JAN. 2, 1907.

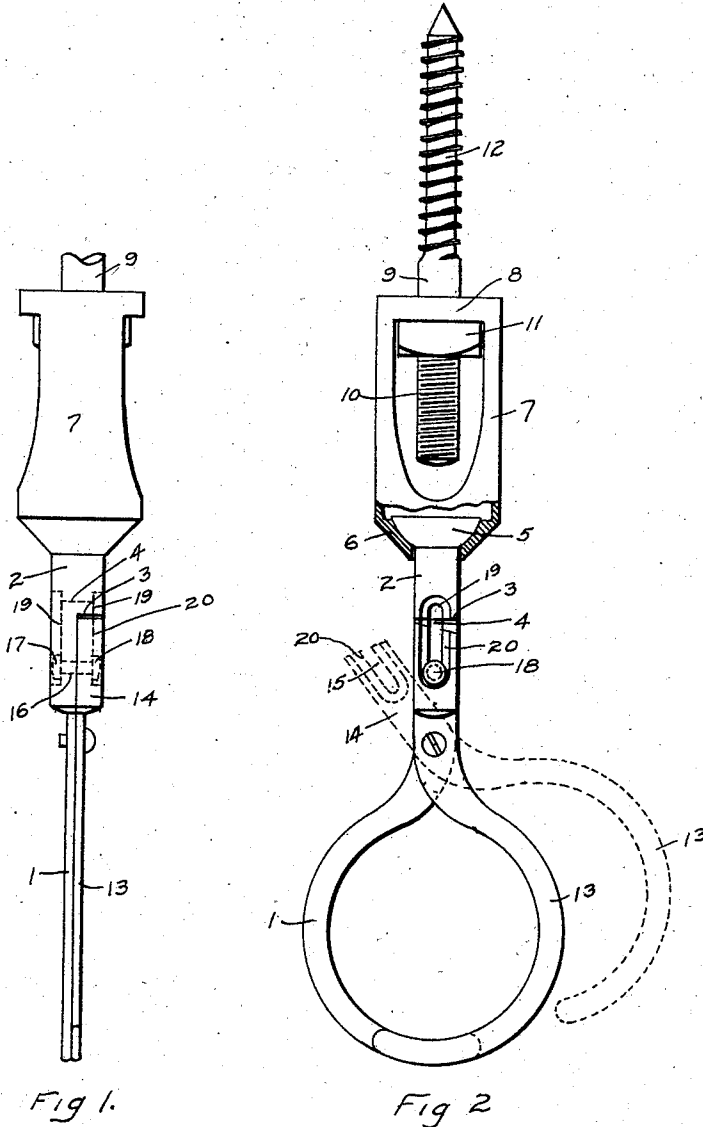


Fig 1.

Fig 2

WITNESSES

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PIPE-HANGER.

No. 850,623.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ROBERT W. CLARK, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Pipe-Hangers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in pipe-hangers, and more particularly to that type involving overlapping jaws having lockable shanks.

The object of my invention is to provide a simple construction in which the jaws can be quickly and easily locked around the pipe or released therefrom.

To that end my invention consists, essentially, of a suspending-jaw, an elongated shank on such jaw provided with a closed slot, a second jaw pivoted to the first jaw, a shank on such second jaw provided with an open slot adapted to register with the closed slot of the first jaw, a locking-pin riding in the closed slot and adapted for locking engagement with the open slot of the second jaw and releasing disengagement therefrom, and means for securing the first jaw to the ceiling.

In the drawings, Figure 1 is an end elevation of my improved pipe-hanger in locked position; and Fig. 2 is a side elevation of the same, showing the unlocked position of the jaws in dotted lines.

Referring to the drawings, 1 is a suspending-jaw having the elongated shank 2, provided with the shoulder 3 and the longitudinal closed slot 4. The upper end of shank 2 is provided with the conical head 5, which rests loosely in the conical seat 6 of the open cage 7. In the upper end of the cage 7 is the cylindrical orifice 8, adapted for the loose passage therethrough of the bolt 9, its lower screw-threaded end 10 being in adjustable engagement with the nut 11 within the cage

7. The upper end 12 of the bolt 9 is also screw-threaded for holding engagement with the ceiling.

13 is a second jaw, pivoted to the first jaw, its lower end overlapping the first jaw when in holding position around the pipe. Its upper end has the shank 14, provided with the open slot 15, adapted to register with the closed slot 4 of jaw 1.

16 is a locking-pin riding in the closed slot 4 of jaw 1, having at one end the integral head 17 and at its other end the removable head 18. These heads 17 and 18 ride in countersunk grooves 19, 19, and 20, surrounding the closed slot 4 of jaw 1 and the open slot 15 of jaw 13.

In operation when the jaws 1 and 13 are in closed position the locking-pin 16 rests in the lower ends of the registering slots 4 and 15 in the jaws, which serves to hold such jaws securely around the suspended pipe. In order to release the jaws 1 and 13 from locked position around the pipe, it is only necessary to raise the locking-pin 16 out of the open slot 15 in the jaw 13 and into the upper end of the closed slot 4 in the jaw 1. The pivoted jaw 13 can then be swung to one side out of engagement with the pipe to release the same, as clearly shown in dotted lines in Fig. 2. The countersinking of the heads 17 and 18 of the pin 16 prevents the accidental dislodgement of such pin from its locking position in the registering slots 4 and 15.

I claim—

1. A pipe-hanger consisting essentially of a suspending-jaw, an elongated shank on such jaw provided with a closed slot, a second jaw pivoted to the first jaw, a shank on such second jaw provided with an open slot adapted to register with the closed slot of the first jaw, a locking-pin riding in the closed slot and adapted for locking engagement with the open slot of the second jaw and releasing disengagement therefrom and means for securing the first jaw to the ceiling, all combined and operating as and for the purpose stated.

2. A pipe-hanger consisting essentially of a suspending-jaw, an elongated shouldered upper shank on such jaw provided with a

closed slot, a second jaw pivoted to the first jaw and overlapping the same, an upper shank on such second jaw provided with an open slot adapted to register with the closed slot of the first jaw, a locking-pin riding in the closed slot and adapted for locking engagement with the open slot of the second jaw and releasing disengagement therefrom and swiveled means for adjustably securing

the first jaw to the ceiling, all combined and operating as and for the purpose stated. 10

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT W. CLARK.

Witnesses:

D. FORD,

W. T. MILLER.