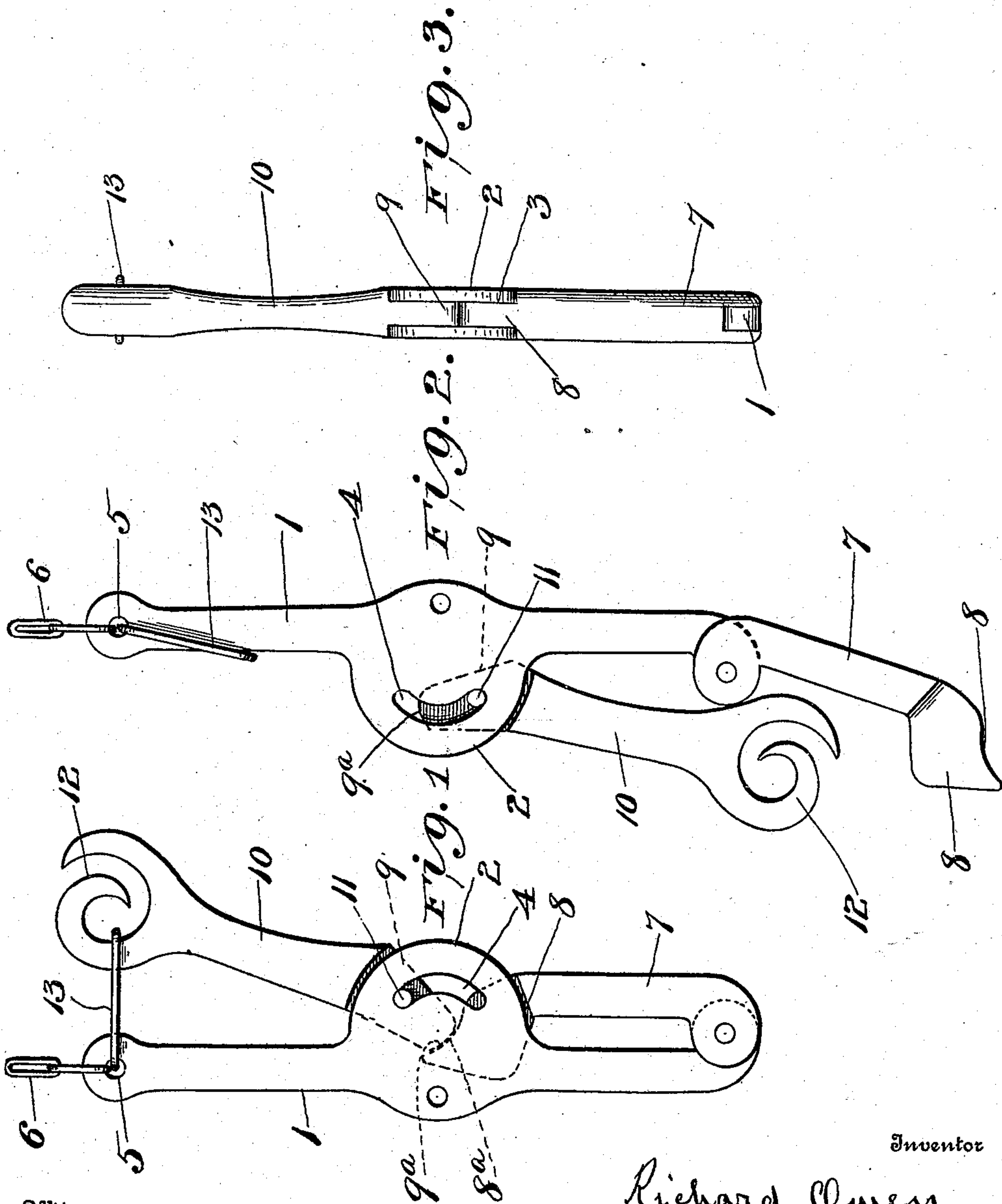


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CHAIN HOOK.

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916,005.

Patented Mar. 23, 1909.



Witnesses

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RICHARD OWEN, OF WITHEE, WISCONSIN.

CHAIN-HOOK.

No. 916,005.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, RICHARD OWEN, a citizen of the United States, and a resident of Withee, in the county of Clark and State of Wisconsin, have invented certain new and useful Improvements in Chain-Hooks, of which the following is a specification.

My invention relates to devices for securing the chains around logs and similar articles, and has for its object the improvement of devices of this character to the end that the hook is more effective in operation, easy to unlock, and when in an unlocked position the parts are compact with one another. The nose of the locking lever when in an unlocked position covers the greater portion of the locking orifice to prevent snow and dirt from getting into it. The locking orifice is also provided with an opening in its rear side to permit of an insertion of a pointed instrument to remove any dirt or snow that might get into it and impair its operation.

I have described the construction and operation of my improved device hereinafter, and it will be found illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of my device in a locked position; Fig. 2, a similar view of the other side thereof in an unlocked position; and Fig. 3, a view of one edge of the hook.

In the drawings similar reference characters indicate corresponding parts in all of the views.

The bar 1 of my improved chain hook is provided with an enlarged portion 2, intermediate of its ends, which is slotted, as shown at 3, from one edge to the other of the bar. The enlarged portion 2 extends to a greater distance from one edge of the bar than the other, as shown, and is formed with segmental slots 4. The bar 1 is formed with an eye 5 at one end, to which is secured one end of the chain 6, while at the other end is pivoted and secured an arm 7, having its free end reduced in thickness, as shown at 8, to fit into the slot 3, the shoulders at the end of reduced portion 8 limiting the movement of the reduced portion 8 into said slot. The end of reduced portion 8, which I will designate the "nose" of the arm, is formed with an inwardly curved or concave portion 8^a, to receive the convex portion 9^a of the nose 9 of locking lever 10, that is pivotally and slidably mounted in slots 4 by means of a pin 11, secured through the said nose 9. The free end of locking lever 10 is formed with a hook

12 to receive a link 13, secured in eye 5, to hold the hook in a locked position.

When in the locked position shown in Fig. 1, the free end of chain 6 is secured and held against displacement until the link 13 is released from hook 12 and the lever 10 swung outwardly, so as to release its hold on nose 8, when the arm 7 swings outwardly and releases its grip on the chain.

As shown in Fig. 2, the hook end of lever 10, when in an unlocked position, is engaged by the inner side of nose 8, so as to keep it from catching on the ground or injuring the workmen or team while the nose 9 covers the greater portion of the slot 3 to keep out snow and dirt, but should any accumulate in the slot it may be removed by a sharp instrument inserted through its rear side.

Having thus described my invention, what I claim is—

1. In a chain-hook, a bar having an enlarged slotted portion intermediate of its ends, said enlarged portion provided with segmental slots, a locking arm pivotally secured to one end of the bar and having its free end reduced to fit said slotted portion, and a locking lever fulcrumed in said segmental slots, substantially as shown and described.

2. In a chain-hook, a bar having an enlarged slotted portion intermediate of its ends, said slot extending through the bar, a locking arm pivotally secured to one end of the bar, and having its free end reduced to fit said slot, and a locking lever pivotally secured and slidably mounted in said enlarged portion, substantially as shown and described.

3. A chain-hook comprising a bar having an enlarged slotted portion intermediate of its ends, said slot extending through the bar, said enlarged portion provided with segmental slots, a locking arm pivotally secured to one end of the bar and having its free end reduced to fit said slotted portion, a locking lever, and a pin secured through said lever and mounted in said segmental slots, substantially as shown and described.

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

RICHARD OWEN.

Witnesses:

BENJAMIN G. PACKER,
CLARA M. SMITH.