(No Model.)

C. M. DANIELSON.

PIPE HOLDER.

No. 416,903. Patented Dec. 10, 1889.

Fig. 1.

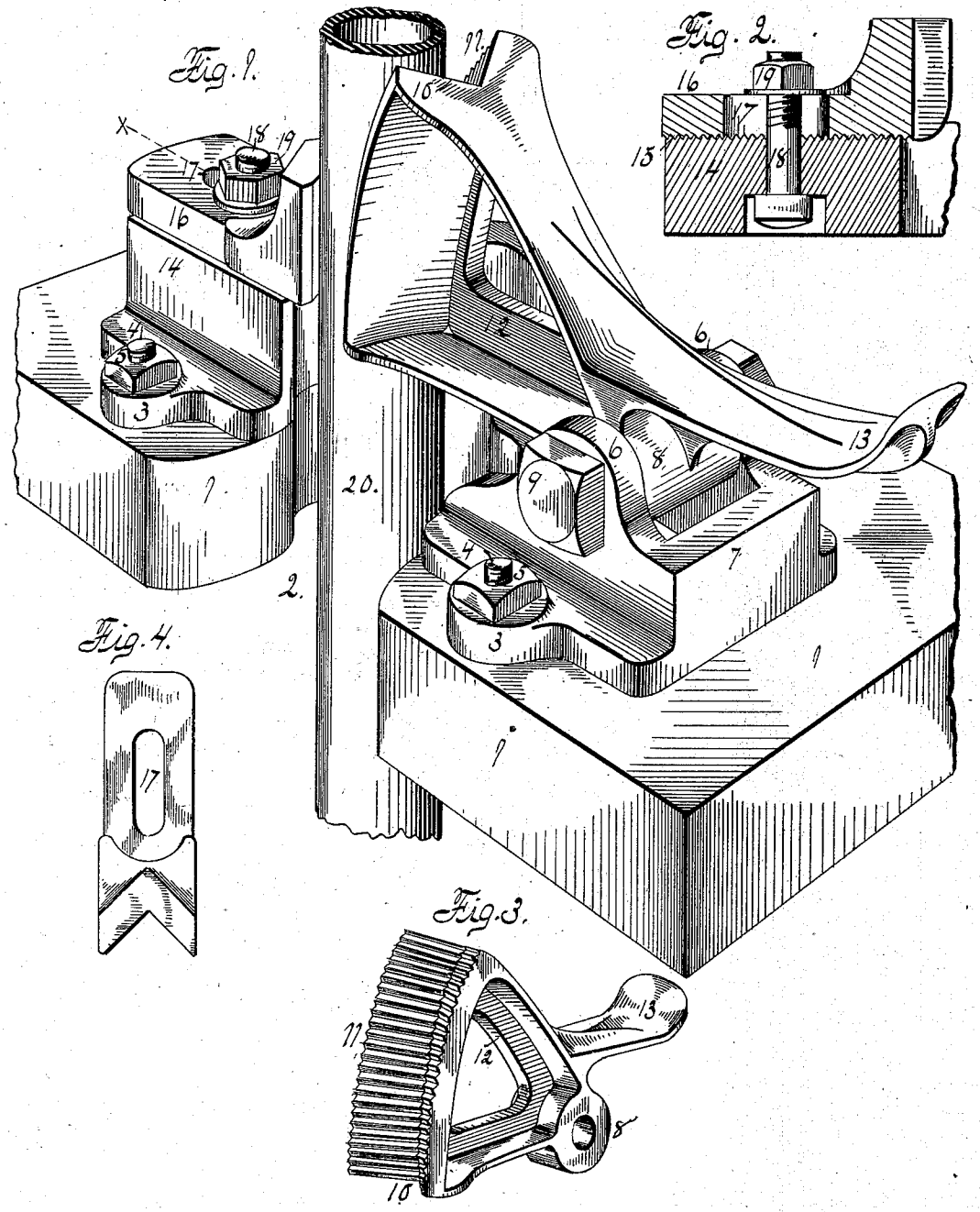


Fig. 2.

Fig. 4.

Fig. 3.

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UNITED STATES PATENT OFFICE.

CARL M. DANIELSON, OF ROCKFORD, ILLINOIS.

PIPE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 416,903, dated December 10, 1889.

Application filed May 19, 1888. Serial No. 274,417. (No model.)

To all whom it may concern:

Be it known that I, CARL M. DANIELSON, a subject of the King of Sweden and Norway, residing at Rockford, in the county of Winnebago and State of Illinois, have invented a certain new and useful Improvement in Pipe-Holders, of which the following is a specification.

The object of this invention is to construct a pipe-holder capable of ready adjustment to suit different-sized pipe; and it consists of a stationary jaw having a serrated connection with the base-plate, and made adjustable, and a pivoted jaw with a serrated toothed face and a treadle cast integral therewith.

In the accompanying drawings, Figure 1 is a perspective view of a pipe-holder embodying my invention, showing a section of pipe held thereby. Fig. 2 is a lengthwise section of the adjustable jaw on dotted line X, Fig. 1. Fig. 3 is a perspective view of the combined pivoted jaw and treadle. Fig. 4 is a plan view of the adjustable jaw.

A base 1 of heavy plank has a side opening 2, of dimensions to admit of various sized pipe.

My holder has laterally-projecting flanges 3, which are perforated, and by means of bolts 4, passing through the base plank and flanges, the holder is held in place on the base-plank, when the screw-nuts 5 are turned in place on the projecting ends of the bolts. Ears 6 rise from the main portion 7 of the holder, and are centrally bored.

The pivoted portion of the holder has a hub 8, which is centrally bored, and is held in a pivoted manner by a bolt 9, passing through the hub 8 and ears 6. This pivoted portion has one end produced in jaw form 10. The faces of these jaws are curved, as shown, and are so pivoted that the faces of the jaws will gradually approach the stationary jaws as the said pivoted jaws are rocked to wedge the pipe snugly against the stationary jaws. The said curved faces are serrated, as shown at 11. A web 12 gives strength to the parts. A rear extension 13, with its upturned end, forms a treadle, by means of which this portion of the holder is oscillated upon its pivot.

The upper face of the portion 14 of the holder is serrated, as shown at 15, Fig. 2, and the under face of the movable jaw 16 is also serrated and engages the upper face of the portion 14. This movable jaw has a lengthwise slot 17, and by means of a bolt 18, passing through the portion 14 and slot 17, the jaw is clamped to the base. By loosening the nut 19 the jaw may be adjusted to or from the pivoted jaw, as desired. The face of this jaw is of V form, which engages the pipe to be held.

In raising or lowering the pipe the operator will place his foot upon the treadle and press downward, which will raise the pivoted jaw and cause it to release its hold upon the pipe. The pipe 20 may then be adjusted, as desired, or a new length screwed on or one removed therefrom.

By loosening the screw-nut 19 the jaw 16 can be adjusted to hold pipes varying in size, and the serrated connection of the jaw with its base will hold the parts when adjusted.

I am aware that pipe-holders have heretofore been constructed in which a stationary jaw and a movable jaw have been employed and in which the stationary jaw has been made adjustable. Therefore I do not seek to claim, broadly, these features, but simply my construction of the parts.

I claim as my invention—

1. A pipe-holder comprising a suitable support provided with a side opening for the passage of a pipe to be held, a holding-jaw pivotally secured to the support and having formed integral therewith a treadle located on the opposite side of the pivot from the jaw, a holding-jaw adjustable toward and away from the path of the pivoted jaw, and means for locking the adjustable holding-jaw firmly to the support in the desired adjustment, substantially as set forth.

2. A pipe-holder comprising a suitable support adapted to only partially surround the pipe to be held, a holding-jaw pivoted to the support and having a cam-face and a treadle formed integral with the jaw, an adjustable jaw having a serrated engagement with its support, and a locking device to secure the adjustable jaw firmly to its support at different distances from the pivoted jaw, substantially as set forth.

3. A pipe-holder consisting of the follow-

ing essential elements: a suitable support, a pivoted holding-jaw having a cam-face and provided with a treadle integral therewith and located on the opposite side of the pivot from the holding-face of the jaw, a holding-jaw interlocked with its support, and a locking device to hold the last-named jaw in different interlocked positions toward and away from the pivoted jaw, substantially as set forth.

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