

(No Model.)

W. M. POWELL, Jr.
PIPE TONGS.

No. 599,252.

Patented Feb. 15, 1898.

Fig. 1.

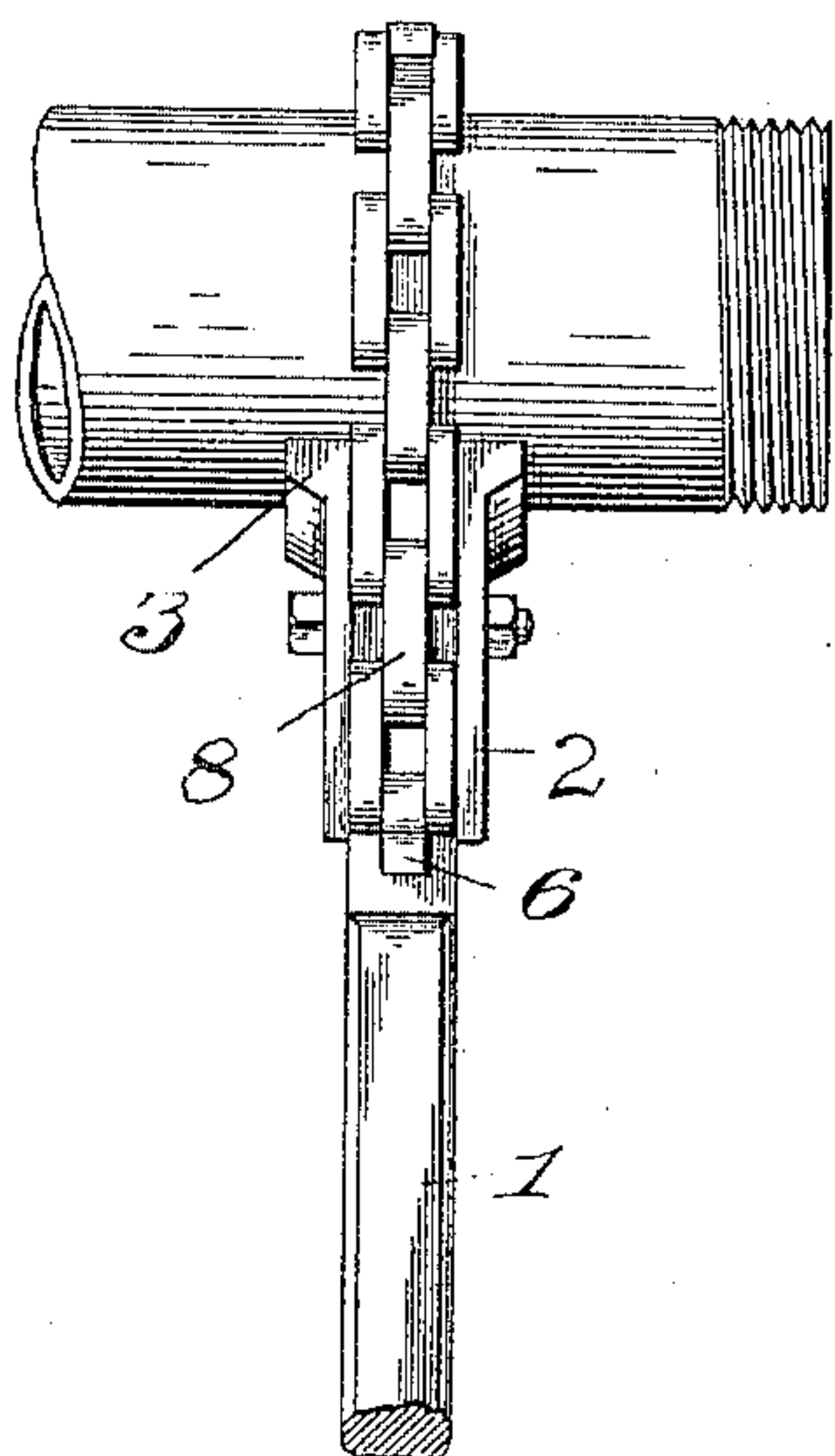


Fig. 2.

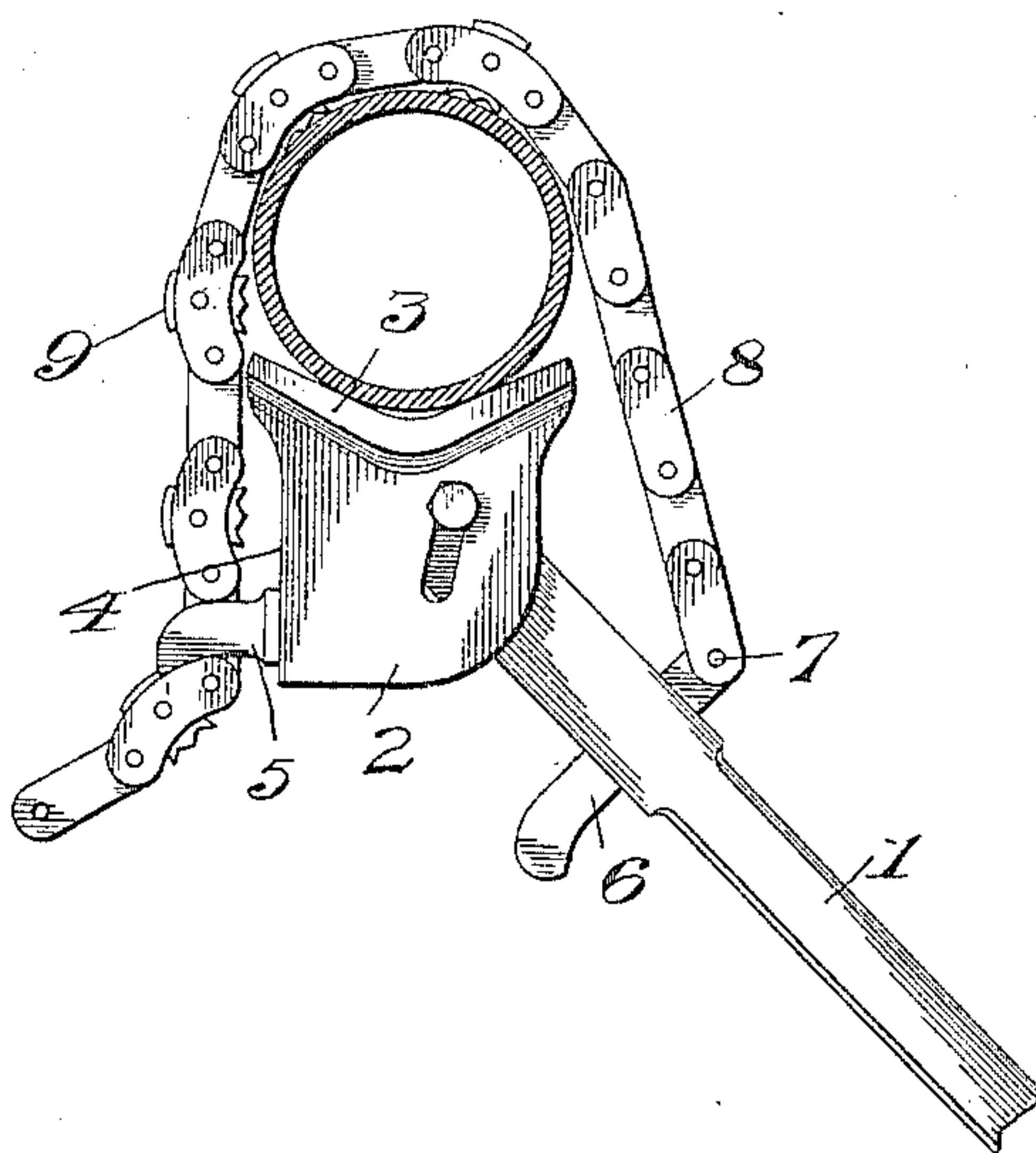
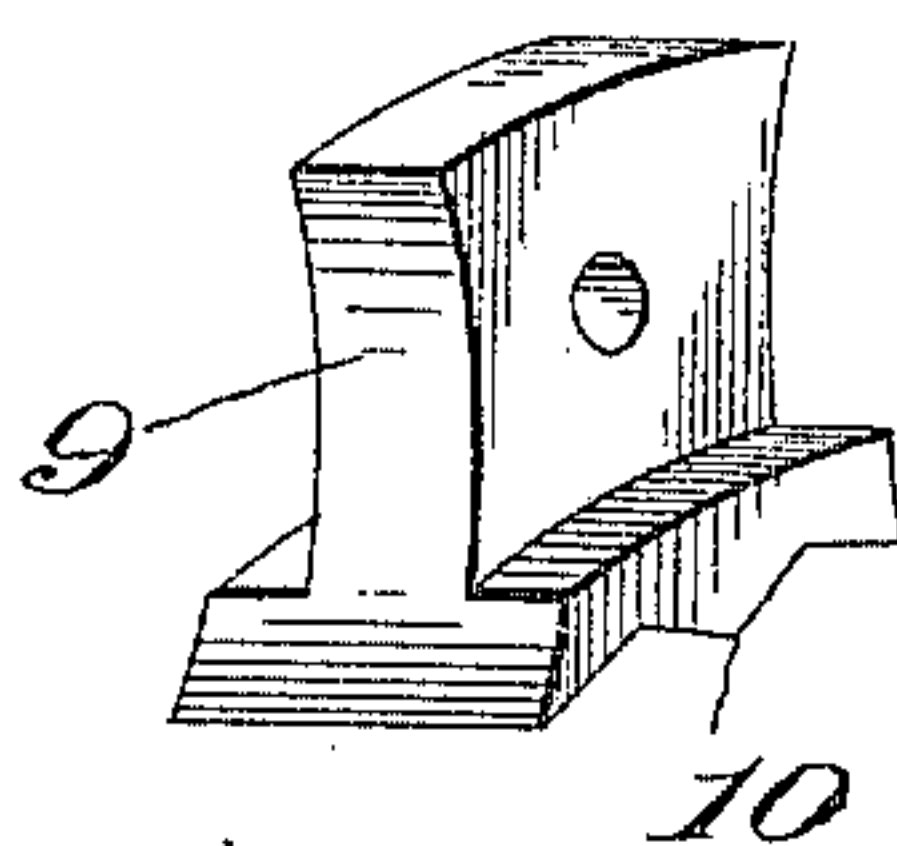
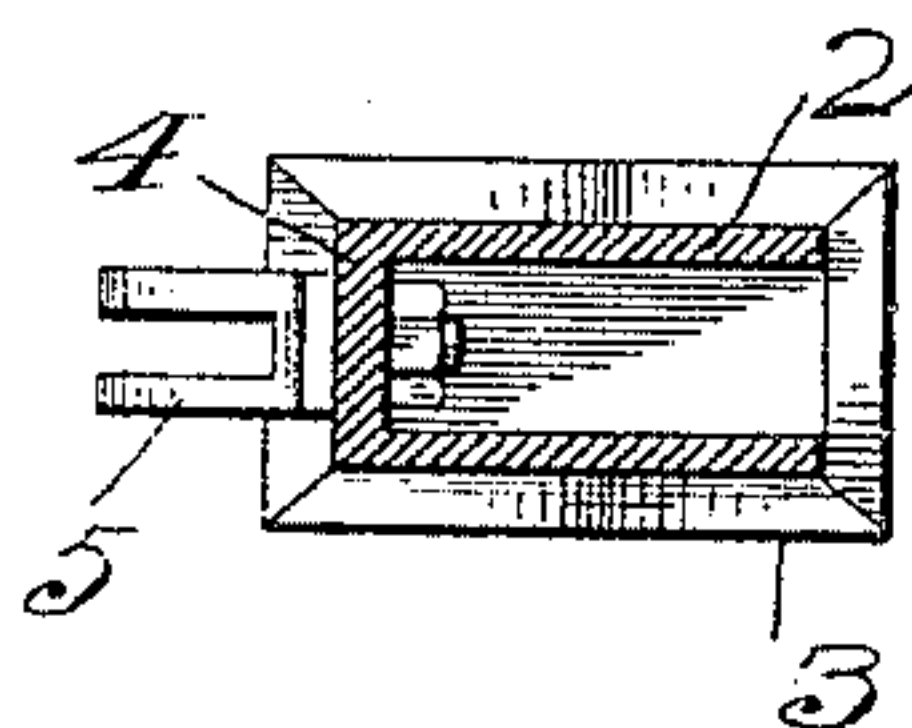


Fig. 4.

Fig. 3.



Witnesses
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PIPE-TONGS.

SPECIFICATION forming part of Letters Patent No. 599,252, dated February 15, 1898.

Application filed June 9, 1897. Serial No. 640,026. (No model.)

To all whom it may concern:

Be it known that I, WRIGHT M. POWELL, Jr., of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Pipe-Tongs; 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.

This invention relates to improvements in pipe-tongs, and more especially to that class which employ a chain that passes around the plate and assists in securing the proper grip or hold thereon. This style of pipe-tongs is very desirable in that the chain permits of a wide range of adjustment, and my improved construction provides more especially for securing a better grip upon the pipe, which prevents the chain slipping thereon.

To this end the invention consists in providing a pipe-tongs comprising a lever having a pivoted head and carrying a chain section, every pair of links having a bit pivoted between the same, and the pivoted head or lever being provided with a bifurcated projection which engages the single links of the chain, all as will be hereinafter fully described, and the novel features of construction specifically set forth in the appended claims.

In the accompanying drawings, forming part of this specification, Figure 1 is an elevation showing the application of my invention. Fig. 2 is a side elevation. Fig. 3 is a detail sectional view through the pivoted head of the lever. Fig. 4 is an enlarged detail perspective view of one of the bits.

Referring to the drawings by numerals, 1 designates the lever, to the inner end of which is pivoted a head 2, preferably made up of two plates connected at one end by an angular piece 3, forming a part which engages the pipe, and, if desired, the faces of this angular piece may be serrated or roughened. The plates are connected to each other at their forward ends by a wall 4, to which is bolted a hook or projection 5, bifurcated at its outer end. It will be understood that instead of making the head of plates the same could be constructed of a single casting, the parts

which engage the pipe being hardened. Adjoining the pivoted head of the lever the latter is provided with a lug 6, presenting ears which are pierced to receive the pin 7, that connects a chain section 8 to said lever. This chain section is made up of links in the usual manner, and at a suitable distance from its connection with the lever the parallel links are provided with bits 9, pivoted between the same, the inner ends of said bits being recessed transversely to form points or biting edges 10. The parallel links between which the bits are pivoted are preferably curved longitudinally, as shown, and the intermediate links are adapted to pass into engagement with the bifurcated hook 5, extending from the pivoted head of the lever.

In the operation of an implement constructed as hereinbefore described the chain is passed around the pipe and brought into engagement with the bifurcated hook, and when the lever is thrown in either direction the points of the bits will impinge against the pipe and form a strong grip upon the same.

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

1. An implement for the purpose set forth comprising a lever having a projecting hook, a chain connected to the lever, and bits pivoted within the chain, substantially as shown and described.

2. An implement for the purpose set forth in combination with a lever carrying a hook, a chain pivoted to the lever and having curved links which are parallel, and bits pivoted between the parallel links, substantially as shown and described.

3. In an implement for the purpose set forth, the combination of a lever, a head pivoted to the inner end of the lever and presenting an angular end, the hook projecting from the head, a chain connected to the lever and bits pivoted between the links of the chain, substantially as shown and for the purpose set forth.

4. In an implement of the character described, the combination of a lever having apertured ears projecting therefrom, a head

pivoted to the inner end of the lever and presenting an angular end, a hook projecting from the head and bifurcated at its outer end, together with a chain pivoted to the ears of
5 the lever, and bits pivoted between the links of the chain, substantially as shown.

In testimony whereof I have signed this

specification in the presence of two subscribing witnesses.

WRIGHT M. POWELL, JR.

Witnesses:

W. C. KELPE,

JNO. P. BECKER.