March 9, 1926. 1,576,414

C. W. CUPPETT

CHAIN PIPE WRENCH

Filed March 13, 1925

Fig. 1.

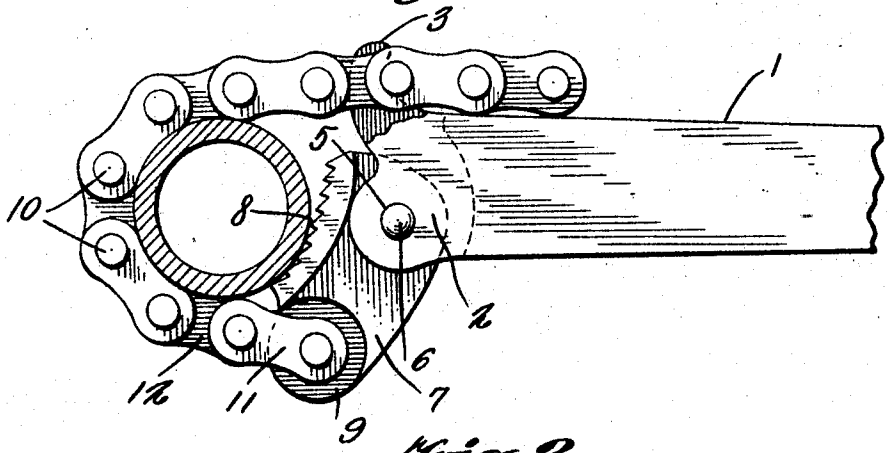


Fig. 2.

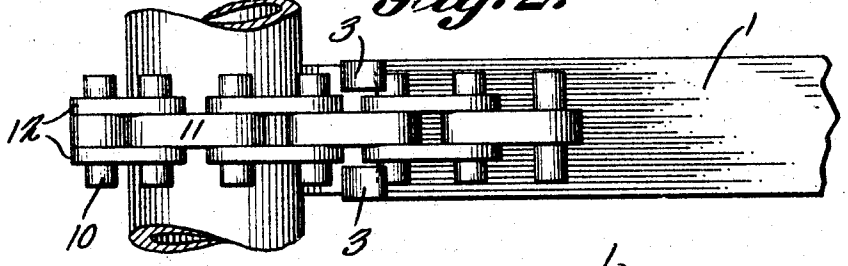
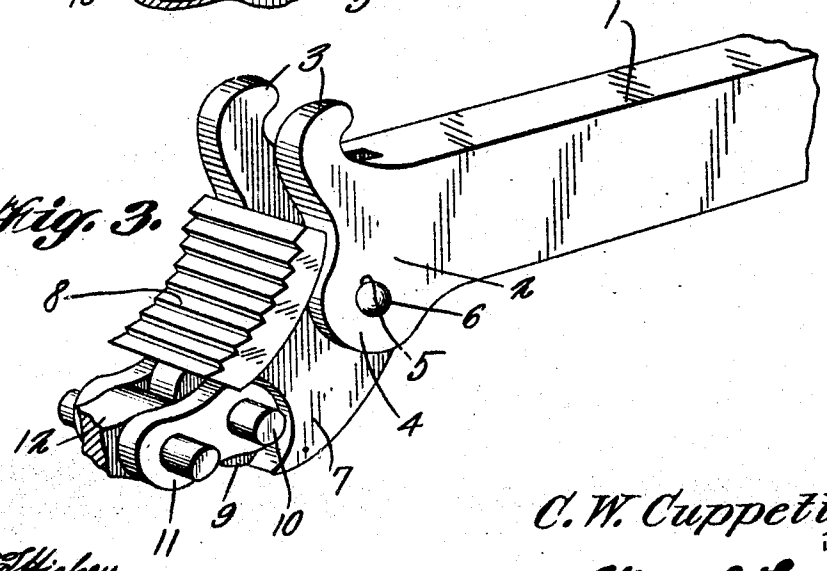


Fig. 3.



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WITNESS:
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UNITED STATES PATENT OFFICE.

CHARLES W. CUPPETT, OF LECKRONE, PENNSYLVANIA,

CHAIN PIPE WRENCH.

Application filed March 13, 1925. Serial No. 15,349.

To all whom it may concern:

Be it known that I, CHARLES W. CUPPETT, a citizen of the United States, residing at Leckrone, in the county of Fayette and State of Pennsylvania, have invented new and useful Improvements in Chain Pipe Wrenches, of which the following is a specification.

This invention relates to improvements in chain pipe wrenches and its primary object is to provide a pipe wrench that will function to provide an alternate tight and loose connection upon movement of the handle thereof by reciprocatory motion during the process of assembling or disassembling pipe sections, joints or the like as well as the application or removal of nuts.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in whch:

Figure 1 is a fragmentary side elevation of the wrench forming the subject matter of the present invention and showing parts in section to clearly illustrate its structure.

Figure 2 is a top plan view.

Figure 3 is an enlarged perspective view of the jaw end of the wrench.

Referring to the drawings in detail, the reference numeral 1 indicates the handle of the wrench which is provided with an enlarged bifurcated head 2 having formed thereon a pair of spaced parallel hooks 3. Opposite the hooks 3 the head 2 is formed arcuate shaped as at 4 and this portion 4 is provided with an opening 5 through which passes a pivot pin 6 to pivotally secure between the lower ends of the bifurcations a dog 7.

The dog 7 is substantially T-shaped in cross section and has its outer face serrated to provide teeth 8 adapted to engage articles such as pipes, nuts and the like when the wrench is put in operation as suggested in Figure 1 of the drawings.

Passing through a reduced portion 9 formed on the free end of the dog 7 is a pin 10 which receives one link 11 of a chain 12 which is adapted to be associated with the hooks 3 as disclosed in Figures 1 and 2 of the drawing, the chain providing a binding action against articles to be operated on by the wrench.

From the above description and the structure as disclosed in the drawings, it will be apparent that when the chain is associated with the forked end of the hooks 3 from the head 2 and tightened about the pipe in a manner as shown that reciprocatory movement of the handle will alternately loosen and tighten the teeth 8 of the dog 7 with the pipe for adequate operation thereupon, therefore it will be seen that the wrench can be used in obstructed places where it will be impossible to make a complete turn of the handle as will be readily apparent.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts provided that such changes fall within the scope of the appended claim.

What I claim is:

A wrench of the character described comprising a handle, an enlarged bifurcated head formed on one end thereof, a pair of parallel arranged hooks extending from one end of said head, an arcuate shaped portion formed on the opposite end thereof and being provided with an opening, a cross sectional T-shaped toothed dog pivotally secured to said arcuate shaped portion between the bifurcations, a pin passing through the opening thereof for this purpose, a reduced portion extending from the free end of said dog, and a chain having one of its links pivotally secured to and straddling the reduced portion and being associated with the parallel arranged hooks for the purpose specified.

In testimony whereof I affix my signature.

CHARLES W. CUPPETT.