

W. W. MICKS.

Pipe-Wrenches and Cutters.

No. 149,944.

Patented April 21, 1874.

Fig 1.

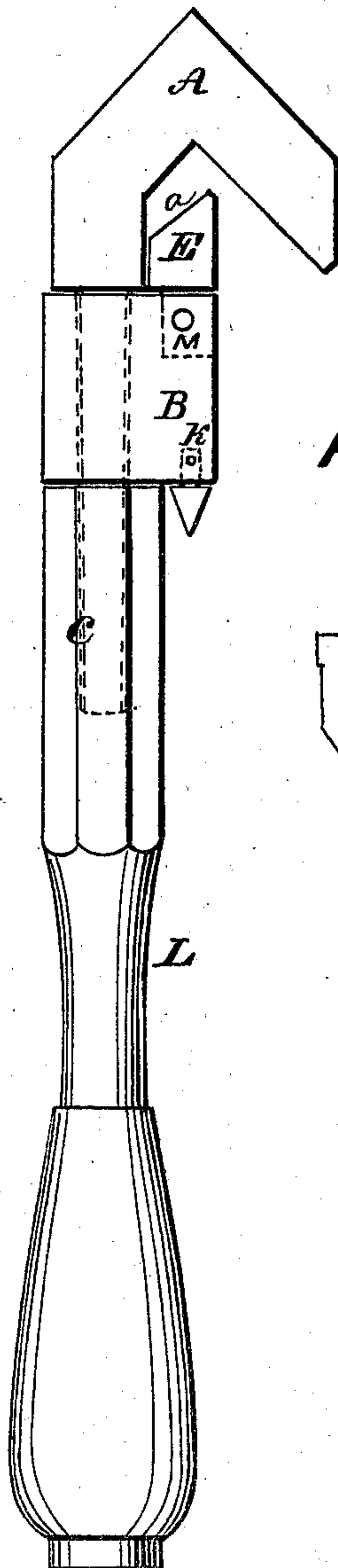
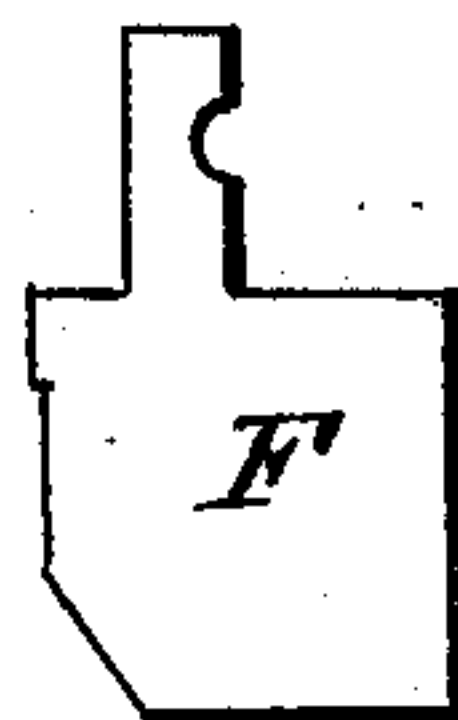


Fig 2.



Witnesses.

Joseph A. Campbell
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WILLIAM W. MICKS, OF ELMIRA, NEW YORK.

IMPROVEMENT IN PIPE WRENCHES AND CUTTERS.

Specification forming part of Letters Patent No. **149,944**, dated April 21, 1874; application filed January 27, 1874.

To all whom it may concern:

Be it known that I, WILLIAM W. MICKS, of Elmira, New York, have invented a Pipe-Wrench, of which the following is a specification:

The invention relates to an improved implement adapted to operate as pipe wrench and cutter by the combination of a clamp with a screw-threaded stem, a reversible perforated block with mortises for reception of gripping-jaw and cutter, and a handle which is adjustable on said stem, as hereinafter fully described.

The clamp A is V-shaped on the inner side, which comes in contact with the pipe, and has a round screw-threaded stem, C, that passes through a block, B, (provided with a gripping-tool, E, and cutter F,) and enters a handle, L, which is bored and screw-threaded for the purpose. By turning the handle L in one direction or the other on the clamp-stem C, the distance between the clamp and block B may be increased or diminished to accommodate different sizes of pipe. The block B has a mortise or slot in the corner M, in which the tenon of the gripping-jaw E is pivoted by means of a pin, and in which it has sufficient play to allow it to take a new hold on the pipe whenever the handle L is vibrated for that purpose. The tenon or shank of the cutting-tool F fits

in a mortise, K, in the opposite side or end of the block B, and is also secured by a pin, but has no play or movement.

When it is desired to attach one pipe-section to another, or to disconnect the same, the jaw E is used. When a pipe-section is to be cut in two, the block B is reversed and the cutter F inserted and used, the handle L being, in either case, adjusted on the stem C, according to the size of the pipe being operated on.

I thus provide in one simple implement a pipe gripping and cutting device, which is as perfectly adapted for either purpose as if not adapted for the other, the separate adjustments being easily and quickly made.

I do not claim the combination of a cutting-tool with a pipe-wrench; but

I claim—

The V-shaped clamp A, having screw-threaded stem C, the handle L, adjustable thereon, and the reversible block B having mortises M and K to receive gripping-jaw and cutter, all combined and arranged to operate as specified.

WILLIAM W. MICKS.

Witnesses:

JOSEPH A. CAMPBELL,
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