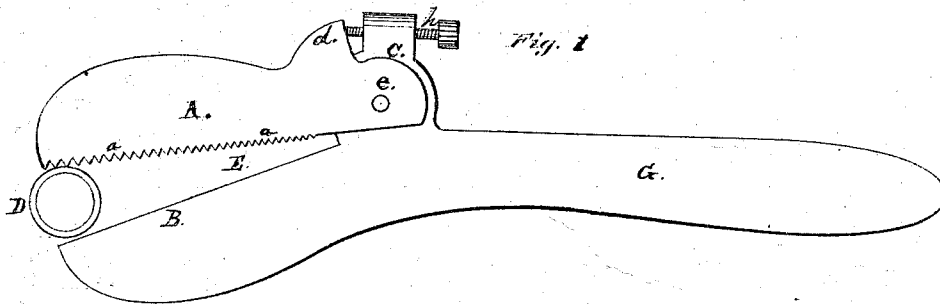


W. H. BURTON.

Pipe-Wrenches.

No. 135,773.

Patented Feb. 11, 1873.



Witnesses,

C. H. Poole
H. J. Ferguson

Inventor,

William H. Burton.
Assignor to himself &
Andrew B. Collier.
By J. B. Woodruff, Attorney

UNITED STATES PATENT OFFICE.

WILLIAM H. BURTON, OF SELMA, ALABAMA.

IMPROVEMENT IN PIPE-WRENCHES.

Specification forming part of Letters Patent No. 135,773, dated February 11, 1873.

To all whom it may concern:

Be it known that I, WILLIAM H. BURTON, of Selma, in the county of Dallas and State of Alabama, have invented a new and useful Improvement in Pipe-Wrenches; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 represents a side view of my adjustable universal pipe-wrench for various sizes of pipes.

My invention relates to a tool much used in the various branches of mechanic arts, especially in plumbing, steam and gas fitting; and it consists in the pivoting of a serrated jaw to a bar, which forms the handle or lever of the wrench in such a manner as to make a forked wrench adjustable to fit all or most of the various sizes of gas, water, and steam pipes in use.

To enable others to make and use my invention, I will describe it more in detail, referring to the drawing.

The handle G, which forms the lever for turning the pipe D, is made of steel, one end being inclined or bent back to make one of the forks or smooth-faced jaw B. At a suitable distance from this bent end a lug or projection, C, is forged on the bar, to which the serrated movable jaw A is pivoted, so that it will open and close to vary the fork or space E between the jaws to any desired extent to fit the various sizes of pipe, from half an inch to two inches in diameter. The movable serrated jaw A is provided with a lug or projection, d, near the joint e, against which a thumb or set

screw, h, is made to bear in such a manner that it will hold the movable jaw A firmly from opening the fork or space E in whatever position it may be set, so that whether it is required to turn a half-inch pipe, an inch pipe, or even a two-inch pipe, or screw-nuts of various sizes, the fork or space E between the jaws may be adjusted to fit; and there is another great advantage of the adjustable jaws over the rigid fork pipe-wrench, which is that it can be adjusted to turn any-sized pipe that lies close against a rigid or unyielding substance.

Thus it will be seen that a serrated-fork pipe-wrench, made to operate in the manner above described, will be a universal tool for all the ordinary sizes of pipes used in water, steam, and gas fitting.

I am aware that rigid serrated forks, made of one piece, have been made of various forms for pipe-wrenches, and I do not claim them; but

What I do claim as my invention, is an improvement on any of them, which is—

The adjustable serrated or movable jaw fork pipe-wrench, when the said jaw is held firmly by a set-screw, or an equivalent device, for adjusting the opening or space E, between the jaws A and B, to receive and turn the pipe, substantially in the manner as herein shown and described.

In testimony whereof I hereunto subscribe my name this 8th day of July, 1872.

WILLIAM HENRY BURTON.

Witnesses:

JNO. W. ROBERTS,
FRANK LAPORTE.