

(No Model.)

G. W. GORSUCH.
PIPE WRENCH AND CUTTER.

No. 468,601.

Patented Feb. 9, 1892.

Fig. 1.

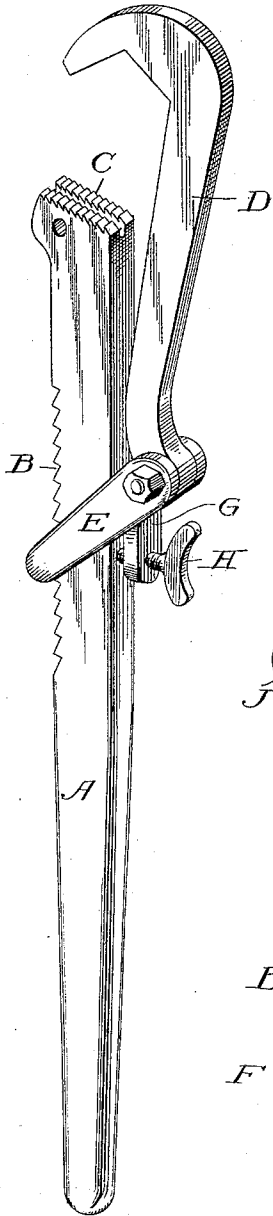


Fig. 2.

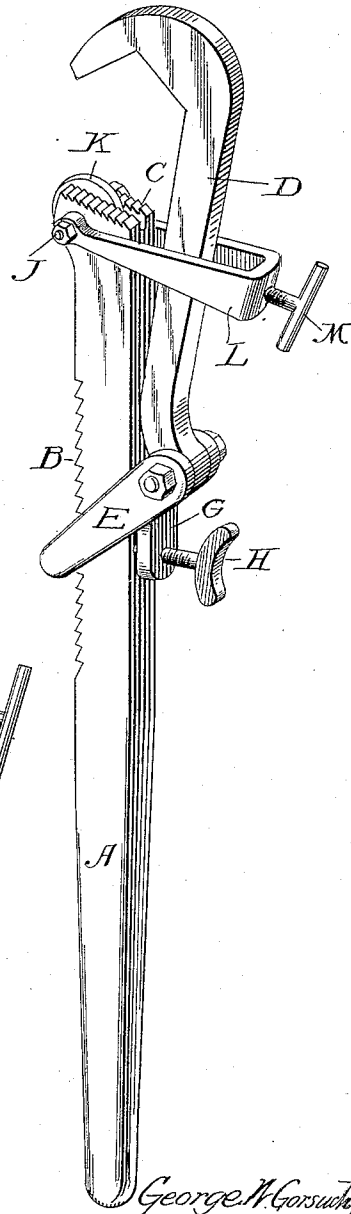
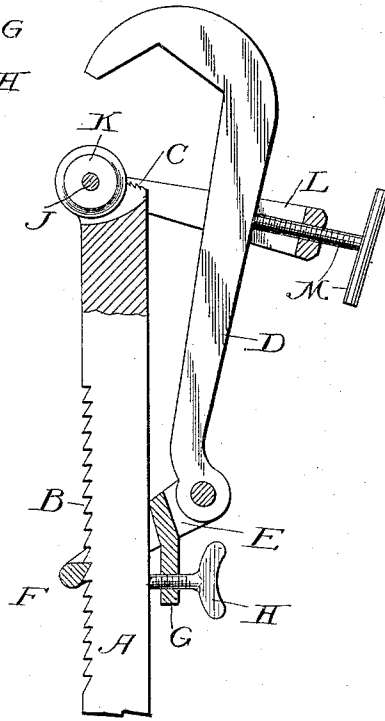


Fig. 3.



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GEORGE W. GORSUCH, OF MARTINSBURG, ASSIGNOR OF ONE-HALF TO M. B. MILLER, OF CARLISLE, PENNSYLVANIA.

PIPE WRENCH AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 468,601, dated February 9, 1892.

Application filed October 31, 1891. Serial No. 410,419. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. GORSUCH, a citizen of the United States, residing at Martinsburg, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in a Pipe Wrench and Cutter; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention is an improved pipe wrench and cutter; and the leading object of my invention is the provision of a combined tool of this character which will perform its functions in a perfect manner.

Another object of my invention is the provision of a combined tool which can be quickly and easily adjusted to pipes of different sizes and which will withstand the strain.

Another object of my invention is the provision of a combined tool of the character named which will be superior to tools of like kind in points of simplicity, durability, and inexpensiveness, in order that the tool may commend itself as thoroughly useful and practical.

To attain the desired objects the invention consists of a combined pipe wrench and cutter constructed substantially as herein illustrated, described, and specifically defined and distinguished by the claims.

Figure 1 represents a perspective view of the tool when performing its functions as a pipe-wrench. Fig. 2 represents a perspective view of the tool as it appears when employed as a cutter. Fig. 3 represents a vertical sectional view of the tool.

In said drawings, A designates the handle of my wrench, which on one side is formed with teeth B, forming a rack, and at the upper end is formed with the inclined toothed jaw C, forming the lower rigid jaw of the wrench, which rigid jaw is bifurcated, as shown.

The movable or adjustable jaw D is made in the form of a hook, and at the lower end is

pivoted in the bifurcated end of the adjusting-loop E, having the inclined edge F for engaging the teeth of the rack for retaining the said loop, and consequently the movable jaw, at any desired adjustment with reference to the lower jaw, and the loop is further provided with the depending lug G, through which passes the screw H, which engages the handle and prevents the loop from slipping. From this construction it will be seen that to use the device as a pipe-wrench it is only necessary to adjust the loop on the handle, which consequently adjusts the movable jaw to the size of the pipe, and the screw carried by the loop holds the movable jaw rigid and the tool can be operated to turn the pipe with ease.

In the bifurcation of the rigid jaw of the wrench I mount on the stud J the disk or cutting-wheel K, and to the outer ends of the stud I pivot the ends of the bail L, in the closed outer end of which is the adjusting-screw M, adapted to engage the movable jaw. This construction is employed when the tool is used as a pipe-cutter, and the movable jaw is adjusted to the pipe which is to be cut, and after being adjusted properly the bail having the screw is used to secure the movable jaw, and as the handle is turned and the cutter enters the pipe the screw in the bail is adjusted, and thereby the cutter is retained firmly to the pipe and an easy and rapid cutting of the pipe is insured.

From the foregoing it is evident that I provide a tool which can be used either as a pipe-wrench or pipe-cutter and that both functions are performed in a perfect manner, whereby a single tool at the price of either tool will perform both purposes in a thorough manner. It is also evident that the tool can be quickly changed from a pipe-wrench to a pipe-cutter, or vice versa, is of convenient form, simple and durable in construction, and can be produced at a small price.

I claim as my invention—

1. The herein-described tool, consisting of a handle having a jaw, a movable hook-shaped jaw, and a loop encircling the handle and connected to the jaw, having means for securing the movable jaw at any desired point with reference to the rigid jaw.

2. The herein-described tool, consisting of a handle having a jaw, a movable jaw, a loop on the handle connected with the movable jaw, and a screw carried by the loop for engaging the handle and securing the movable jaw.

3. The herein-described tool, consisting of the handle having a jaw and formed with a rack, a loop on the jaw engaging the rack, a movable jaw connected to the loop, and a screw carried by the loop for engaging the handle to secure the jaw.

4. The herein-described tool, consisting of the handle, the movable jaw, the cutter carried by the handle, and the bail having the

adjusting-screw, all adapted to serve in the manner and for the purpose stated.

5. The herein-described tool, consisting of the handle, the cutter carried by the handle, the movable jaw, the adjusting-loop connected to the movable jaw, and the bail having the screw for engaging the said movable jaw.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. GORSUCH.

Witnesses:

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