

(No Model.)

L. C. HURD.
WRENCH.

No. 474,741.

Patented May 10, 1892.

Fig 1.

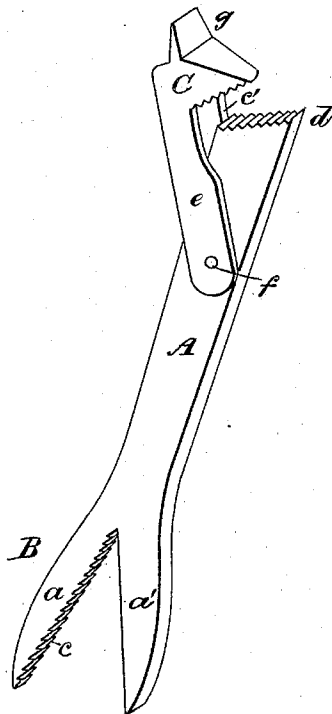


Fig 2.

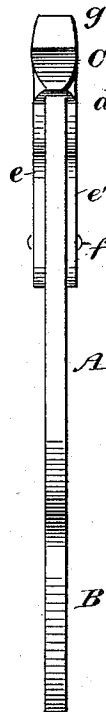
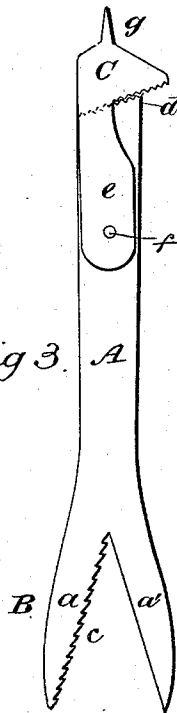


Fig 3.



WITNESSES:
Paul Johnson
C. Sedgwick

INVENTOR
L. C. Hurd
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

LEWIS C. HURD, OF DURANGO, COLORADO.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 474,741, dated May 10, 1892.

Application filed July 8, 1891. Serial No. 398,824. (No model.)

To all whom it may concern:

Be it known that I, LEWIS C. HURD, of Durango, in the county of La Plata and State of Colorado, have invented a new and Improved Wrench, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a perspective view of my improved wrench. Fig. 2 is a front elevation, and Fig. 3 is a side elevation.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple, inexpensive, and efficient wrench for turning and holding round or polygonal rods, nuts, and gas-burners; also, for the use of bicyclists for turning the spokes of bicycle-wheels.

My invention consists in a bar forked at one end and provided with serrations on the inner surface of one of the arms of the fork, beveled and serrated at the opposite end and furnished with a pivoted serrated jaw, designed to act, in conjunction with the serrated end of the bar, as an adjustable wrench for turning or holding round or polygonal objects.

It also consists in a screw-driver blade attached to or formed upon the pivoted jaw, all as will be hereinafter more fully described.

The bar A, formed of steel or other suitable material, is provided at one end with a fork B, having the arms *a a'*. The inner surface of the arm *a'* is serrated or provided with ratchet-teeth *c* for engagement with the object to be turned or held. The opposite end *d* of the bar A is beveled and serrated, and to the bar is pivoted a jaw C, having arms *e e'*, extending downwardly on opposite sides of

the bar and connected with the bar by the pivotal rivet *f*. The inner surface of the jaw C is beveled to conform to the angle of the end *d* and corrugated, as shown. The outer extremity of the jaw C is provided with a short screw-driver blade *g*, which extends outwardly parallel with the line of the bar A when the jaw C is closed.

The angle of the fork B is such as to cause any object received by it to wedge into the jaw as the teeth *c* are brought into engagement with the surface of the fork and the wrench is turned in the direction required to secure a firm grip on the bar.

When the opposite end of the wrench is used, the object to be turned or held is received between the jaw C and the serrated end *d* of the bar A, so that by turning the wrench the jaw C is brought into close engagement with the bar by swinging over the end of the bar.

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

As a new article of manufacture, a wrench consisting of the bar A, having the beveled and serrated end *d* and the forked end B, the inner surface of one member of which is serrated, and the beveled and serrated jaw C, having the arms *e e'*, extending down on opposite sides of the bar A and pivoted thereto, and provided with the screw-driver blade *g*, projecting from its upper surface, as set forth.

LEWIS C. HURD.

Witnesses:

H. R. RICKER,
JOHN C. WYNN.