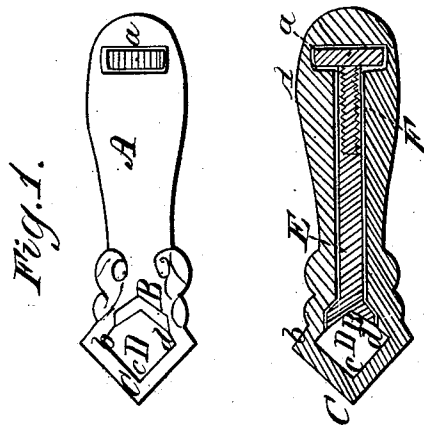


*F. S. Coburn,*  
*Wrench.*

*N<sup>o</sup> 12,935.*

*Patented May 22, 1855.*



# UNITED STATES PATENT OFFICE.

FRANCIS S. COBURN, OF IPSWICH, MASSACHUSETTS, ASSIGNOR TO RUGGLES, NOURSE,  
MASON & CO.

## SCREW-WRENCH.

Specification of Letters Patent No. 12,935, dated May 22, 1855.

*To all whom it may concern:*

Be it known that I, FRANCIS S. COBURN, of Ipswich, in the county of Essex and State of Massachusetts, have invented an Improved Screw-Wrench, which I do hereby declare is fully described and represented in the following specification and the accompanying drawings, letters, figures, and references thereof, such figures being denominated 1 and 2 and being, respectively, a side view and a longitudinal section of the article.

In carrying out my invention I affix to one end of a handle A, a head, C, perforated with a passage D, of the form as seen in the drawings, arranging one of the diagonals of such passage in the line or plane of the axis of the handle. A portion B, of the head or of that corner of it which is next to the handle should be movable with respect to the rest, and be affixed to a bar E so applied to the handle as to slide axially therein, and so that that part B, (which may be termed the jaw) may be moved toward the opposite angle or recess, *b c d*, of the passage D, as occasion may require.

To the handle A, and slide bar E, a screw, E, should be so adapted, that when revolved it may produce a movement of the bar E in a longitudinal direction. For this purpose,

the periphery of the head, *a*, of the screw may be disposed so as to project beyond the surface of the handle sufficient to enable a person to seize and rotate it with his fingers. By turning the screw in one direction or the other, the jaw will be moved either toward or away from the angle of the opposite sides of the passage D, the faces of the notch of the jaw and the opposite sides of the recess always remain at right angles with each other whereby the wrench would be readily adapted to a square nut or head of a screw.

What I claim is—

Arranging and combining with the angular recessed head, C, of a handle, A, a movable notched jaw operated in manner with respect to the recess of the head and by means substantially as described, the same rendering the wrench adjustable to nuts or screw heads of different sizes, and capable at the same time of embracing them on their four sides.

In testimony whereof, I have hereunto set my signature this fourteenth day of April A. D. 1853.

FRANCIS S. COBURN.

Witnesses:

CALEB EDDY,  
F. P. HALE, Jr.