

JOHN W. CURRIER.

Improvement in Combined Tools.

No. 114,770.

Patented May 16, 1871.

Fig. 1.

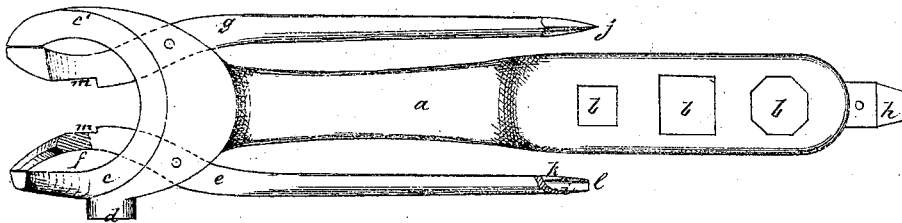
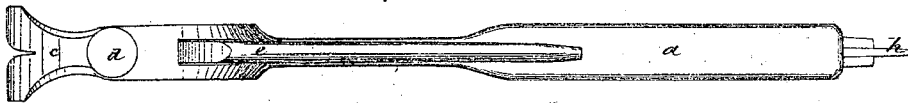


Fig. 2.



Witnesses:

*H. J. Smith*  
*John P. Simon*

Inventor:

*John W. Currier*

PER

*Wm. B.*  
Attorneys.

# United States Patent Office.

JOHN W. CURRIER, OF NEWBURY, VERMONT.

Letters Patent No. 114,770, dated May 16, 1871.

## IMPROVEMENT IN COMBINED TOOLS.

The Schedule referred to in these Letters Patent and making part of the same.

### To all whom it may concern:

Be it known that I, JOHN W. CURRIER, of Newbury, in the county of Orange and State of Vermont, have invented a new and improved Combined Tool; and I do hereby declare the following to be 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 is a side view, and

Figure 2 is an edge view.

This invention consists of the combination in one instrument of the following tools, viz., a hammer, nail-puller, pliers, wrench, screw-driver, nest of wrenches, awl, and eyelet-maker, as hereinafter fully set forth.

Referring to the drawing—

*a* is the handle of the instrument, said handle being made hollow for lightness, and having in each side a series of orifices, *b*, of different sizes and shapes, which orifices form the nest of wrenches.

*c c'* are forks at the end of the handle, the fork *c* being bifurcated, as shown in fig. 2, and constituting, in consequence, a nail-puller.

*d* is the hammer formed on the lower side of the fork *c*.

*e* is a lever passing through a slot in the fork *c* and having a bifurcated front end, the forks of which are coterminous with those of the fork *c*, said lever being hollowed at its end between its forks, so as to give space above the puller for the heads of nails, there being also another space, *f*, between the lever *e* and nail-puller, to receive the heads of bolts.

*g* is another lever, passing through a slot in the fork *c'*, and forming, in connection with said fork, a pair of pliers.

*h* is a screw-driver suitably secured to the rear end of the handle *a*.

The whole instrument, with the exception of the screw-driver and pivots of the lever, is made of malleable iron.

The rear end of the lever *g* is made with a bayonet-point, *j*, to serve the purpose of an awl for making holes in leather and other substances, and the rear end of the lever *e* is made with a cavity, *i*, and with a sharp edge, *l*, which answer for making eyelets, a slot, *k*, being formed at the base of the cavity to let out the severed pieces.

Across the contiguous faces of the levers *e g* are made grooves, *m*, with sides parallel to each other, which grooves adapt the two levers to the unscrewing of the nuts of carriage-hubs.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination in one instrument of a hammer, nail-puller, pliers, wrench, screw-driver, nest of wrenches, awl, and eyelet-maker, as specified.

To the above specification of my invention I have signed my hand this 4th day of April, 1871.

JOHN W. CURRIER.

Witnesses:

SOLOMON C. KEMON,

THOS. D. D. OURAND.