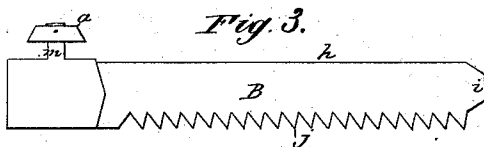
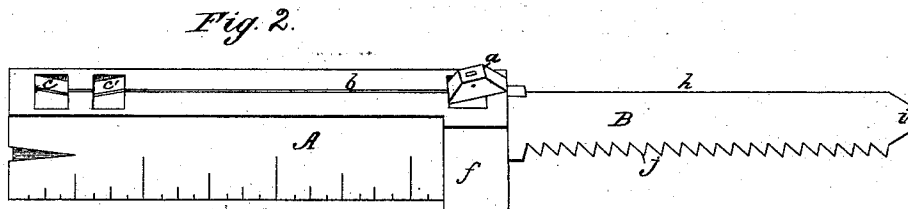
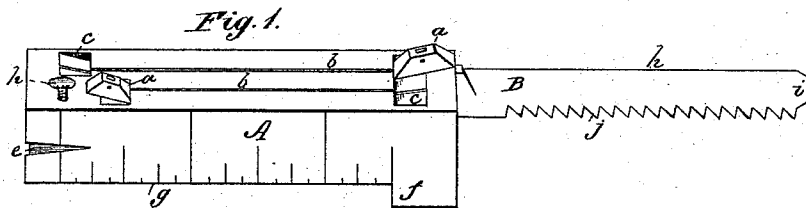


J. H. RANDELL.
Combination Tool.

No. 228,115.

Patented May 25, 1880.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES H. RANDELL, OF ACWORTH, GEORGIA.

COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 228,115, dated May 25, 1880.

Application filed January 12, 1880.

To all whom it may concern :

Be it known that I, JAMES H. RANDELL, of Acworth, in the county of Cobb and State of Georgia, have invented a new and Improved Combination-Tool; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figures 1 and 2 are perspective views of two forms of the tool; Fig. 3, a detail of the blade.

The object of my invention is to provide a useful pocket-tool which shall combine in one device the functions of several frequently-used and desirable tools.

It consists in a hollow metal handle formed with a shoulder to act as a square or gage, and graduated in inches to form a rule, in combination with a blade sliding longitudinally into the chamber of the handle, having a series of saw-teeth on one side, a cutting-edge on the other, and a screw-driver point, the said handle being made with a longitudinal slit, and through which a lug or stem projects from the sliding blade and carries a tilting catch, by which the blade may be slid in or out and secured in either of the positions, as hereinafter described.

In the drawings, A represents the hollow metal handle, formed with a shoulder at *f*, and graduated in inches throughout its length, to permit it to be used as a rule and gage, and having its shoulder flattened to constitute a tack-hammer face. In the hollow chamber of the handle slides the blade B, having one edge formed with saw-teeth *j*, the other with a knife-edge, *h*, while the end *i* is fashioned into a screw-driver.

To permit the blade to be slid in or out, the handle is slitted at *b*, and a lug or stem, *m*, connected with the end of the blade, protrudes through the slit, and carries a pivoted catch, *a*, by which the blade is manipulated.

To hold the blade in its extended or with-

drawn position the catch *a* is tilted into undercut notches *c* at the ends of the slit in the handle. If desired, two slits may be formed in the handle and two blades arranged therein, as in Fig. 1. A second notch, *c'*, is formed at the back end of the handle, as in Fig. 2, in which the catch *a* is placed when a shorter leverage on the screw-driver is required.

A notch, *e*, may be formed at one end of the handle to act as a tack-drawer, and a set-screw, *h*, may also be employed, in connection with a socket, to hold the shanks of small tools.

In Fig. 2 the shoulder *f* is on the side instead of the back of the handle.

I am aware that pocket-knives have heretofore been constructed with a blade which slides into or out of the handle and whose position is determined by a catch, and that pocket combination-tools have heretofore been constructed, as shown in Patents No. 95,964 and No. 170,934.

My invention is distinguished by the following peculiarities: The shoulder formed on and rigidly attached to the handle serves the double purpose of a gage-shoulder and a tack-hammer, while the peculiar construction of the nicks *c* *c'* and the pivoted catch affords a very strong and reliable means for holding the screw-driver and saw against the longitudinal strain to which they are subjected when in use.

Having thus described my invention, what I claim as new is—

The combination-tool consisting of the hollow slitted metal handle A, having its side graduated, and formed with a shoulder, *f*, and notches *c*, in combination with the blade B, having a stem, *m*, and pivoted catch *a*, and formed, as shown, with a knife-edge, a saw-edge, and a screw-driver point, as described.

JAMES HOPE RANDELL.

Witnesses:

J. D. ROONEY,
W. H. BAILEY.