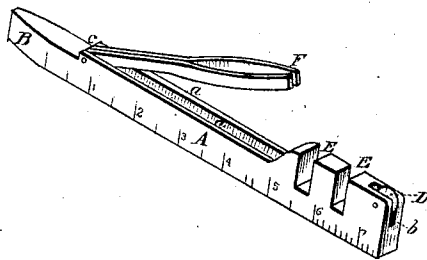


F. R. WOODWARD.
Pocket-Tool.

No. 159,134.

Patented Jan. 26, 1875.



Witnesses.

E. A. Johnson.
J. P. Cranford

INVENTOR.

Frank R. Woodward.
by A. D. Durgin.
Atty.

UNITED STATES PATENT OFFICE.

FRANK R. WOODWARD, OF HILL, NEW HAMPSHIRE.

IMPROVEMENT IN POCKET-TOOLS.

Specification forming part of Letters Patent No. **159,134**, dated January 26, 1875; application filed August 28, 1874.

To all whom it may concern:

Be it known that I, FRANK R. WOODWARD, of Hill, Merrimack county, State of New Hampshire, have invented an Improved Pocket Combination-Tool, of which the following is a specification:

My invention relates to that class of instruments known as compound tools, which include several separate tools, each designed for some particular use; and it consists in a novel construction and arrangement of the parts; and has for its object to produce a compact pocket-tool applicable to a variety of uses as a new and improved article of manufacture, as will be fully hereafter set forth.

The drawing is a perspective view.

A is the body of the tool, serving as its handle, which, in transverse section, is made rectangular, and has the longitudinal groove *a* in its upper edge, while on either side it is laid off by suitable lines into a scale of inches, thus forming a rule. At one extremity the tool is tapered off to form the screw-driver B, while at the other end is a small rotary cutter, D, pivoted in the slot *b*, and having an angular or sharp edge for use in cutting glass, paper,

leather, &c., by rolling over it. E E are slots of different size for breaking glass, bending wire, &c. F is a pair of pliers or tweezers pivoted at *c*, and closing into the slot *a* for the use to which these instruments are applicable.

The tool may be of cast or wrought metal, or hard wood, and, in the former case, when finished, may be treated to a bath of molten metal, or be silver or nickel plated in the ordinary way, to produce a bright finished appearance and prevent rust.

This tool will be found handy and convenient to carry in the pocket, as it embraces several of the tools for which use is commonly had.

I claim—

As a new and improved article of manufacture, a pocket-tool, constructed substantially as and embracing the features described and specified.

F. R. WOODWARD.

Witnesses:

GEO. A. SUMNER,
W. E. CHAPMAN.