

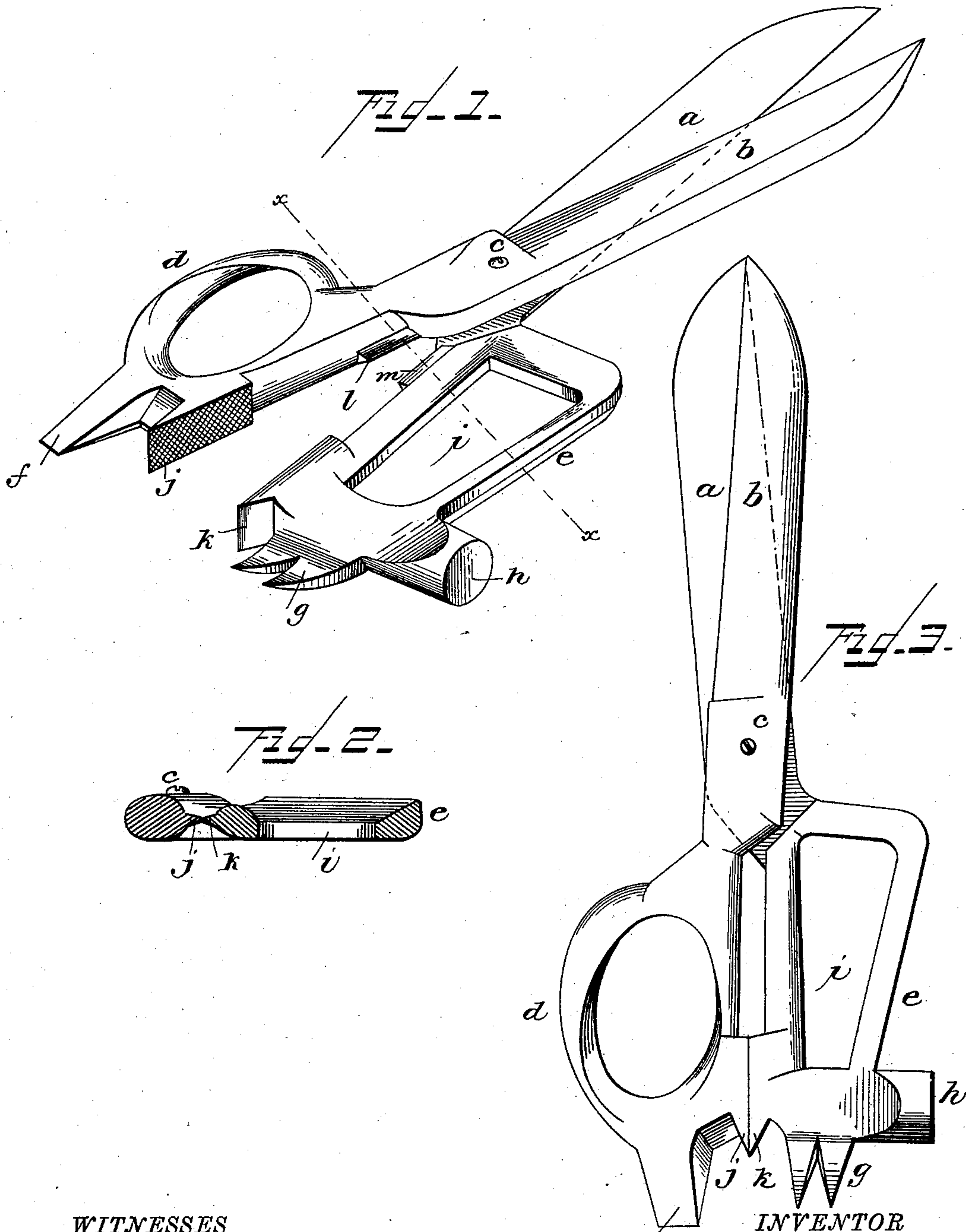
(No Model.)

R. W. DIEFENDORF.

COMPOUND TOOL.

No. 389,553.

Patented Sept. 18, 1888.



WITNESSES

F. L. Ourand
Edwin A. Finckel.

INVENTOR

Russell H. Diefendorf
by Wm. H. Finckel
his Attorney.

UNITED STATES PATENT OFFICE.

ROSELL WALCOTT DIEFENDORF, OF FORT PLAIN, NEW YORK.

COMPOUND TOOL.

SPECIFICATION forming part of Letters Patent No. 389,553, dated September 18, 1888.

Application filed May 5, 1888. Serial No. 272,908. (No model.)

To all whom it may concern:

Be it known that I, ROSELL WALCOTT DIEFENDORF, a citizen of the United States, residing at Fort Plain, in the county of Montgomery and State of New York, have invented a certain new and useful Improvement in Compound Tools, of which the following is a full, clear, and exact description.

The object of this invention is to provide a compound tool or implement for use specially in and about a household.

The invention consists in a compound tool constructed and arranged substantially as hereinafter more particularly set forth and claimed.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated, Figure 1 is a perspective view; Fig. 2, a cross-section on the line *x x*, Fig. 1, showing more in detail the wrench and wire-cutter; and Fig. 3 is a plan view, the wire-cutter being omitted.

In general construction and appearance my device resembles ordinary shears or scissors. It is composed of the cutting-blades *a b*, pivoted at *c*, and having the handles *d e*. The handle *d* is provided with the usual thumb hole or opening and terminates at its outer end in a pointed or flattened projection, *f*, which may be used as a screw-driver, the same being so hereinafter called. The handle *e* terminates at its outer end in a bifurcated and curved projection, *g*, which may be used as a nail or tack claw, and is so hereinafter designated; and projecting from the handle *e*, at right angles to the nail or tack claw *g*, is a knob or boss, *h*, which serves as a hammer. The handle *e* is also provided with an opening, *i*, for the fingers in operating the shears, and in this instance the said opening is made tapering or wedge-shaped, so as to receive nuts of different sizes and thus be capable of use as a wrench, the sides or faces of the said opening being made flat or square, as shown in the drawings, to more readily fit or engage the flattened or squared sides of the nuts to which the wrench is to be applied. The handles *d* and *e* are further provided near their outer ends with meeting jaws *j k*, which serve as nippers or pinchers. The meeting faces of these jaws *j k* may be roughened, as is usual in the construction of ordinary

pinchers. The handles *d* and *e* are also provided near the pivotal point of the scissors-blades with cutting-blades *l m*, to serve as a wire-cutter.

The scissors or shear blades *a b* not only serve for cutting purposes, but are used as a handle or handles, whereby the other parts or tools of the device may be manipulated.

The wire-cutter *l m* may be operated by the handles *d* and *e*, as is obvious. As shown in Fig. 3, the wire-cutter may be omitted.

I do not broadly claim a compound tool comprising the combination of shears, a nut-wrench, pinchers, wire-cutter, screw-driver, tack or nail claw, and hammer, as tools having such combinations are older than my invention. I therefore limit my invention to shears having the other parts mentioned disposed in or upon the handles thereof, as herein set forth.

What I claim is—

1. The compound tool comprising scissors or shear blades *a* and *b*, pivoted at *c*, and having the handles *d* and *e*, the nut-wrench formed by the tapering square-edged opening *i* of the handle *e*, the hammer *h*, and then nail or tack claw *g*, also formed on handle *e*, the screw-driver *f*, formed on or with the handle *d*, and the roughened jaws *j k* on the handles, forming pinchers, all constructed and arranged substantially as shown and described.

2. As an improved article of manufacture, the compound tool comprising scissors or shear blades *a* and *b*, pivoted at *c*, and having the handles *d* and *e*, the nut-wrench formed by the tapering square-edged opening *i* of the handle *e*, the hammer *h*, and the nail or tack claw *g*, also formed on handle *e*, the screw-driver *f*, formed on or with the handle *d*, and the roughened jaws *j k* on the handles, forming pinchers, and the cutting-blades *l m*, arranged on the handles next to the pivot and constituting a wire-cutter, all constructed and arranged substantially as shown and described.

In testimony whereof I have hereunto set my hand this 2d day of May, A. D. 1888.

ROSELL WALCOTT DIEFENDORF.

Witnesses:

FRED F. WENDELL,
EDWIN S. VAN DEUSEN.