

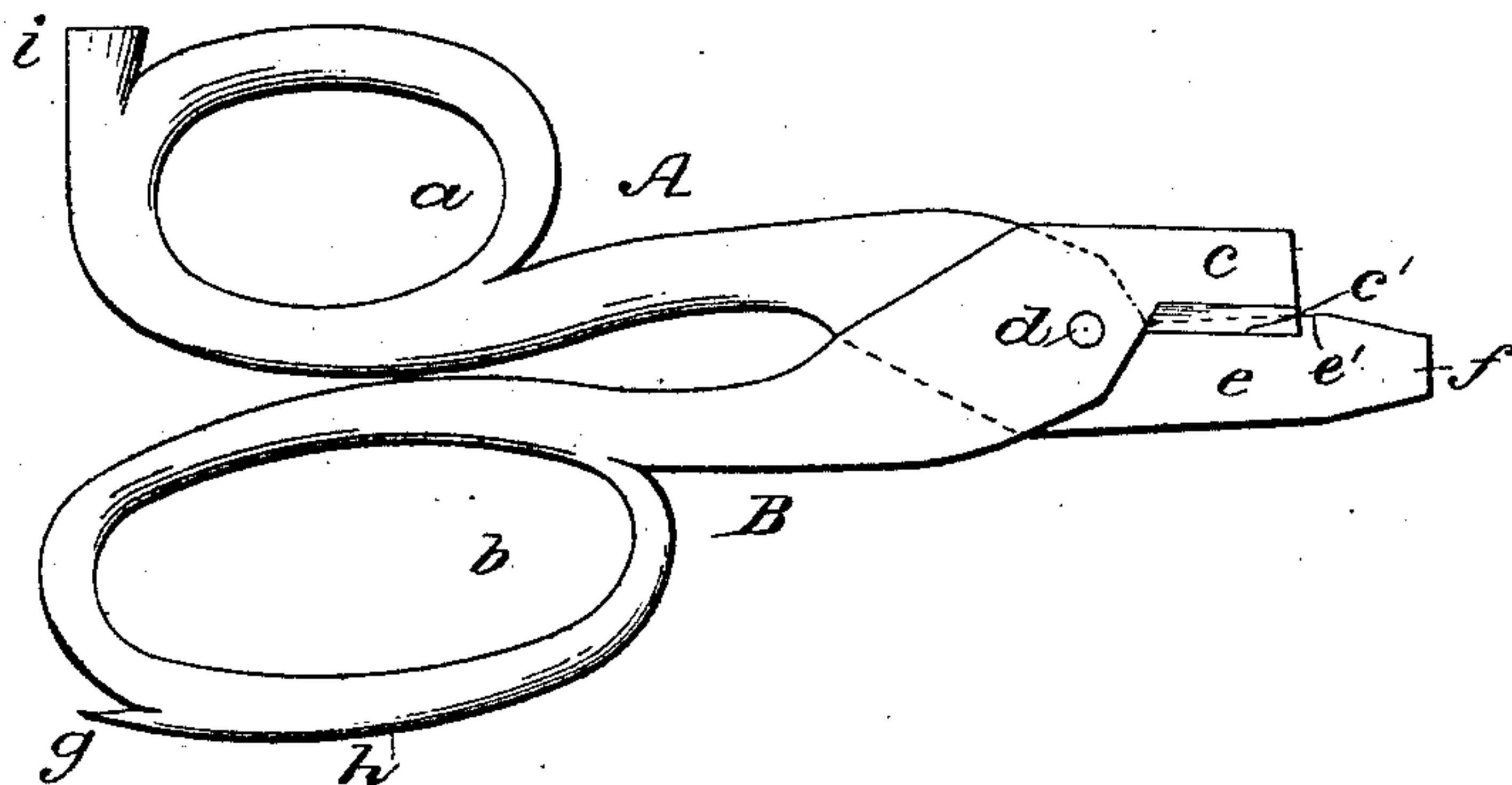
(No Model.)

I. T. TORREY.  
COMBINATION TOOL.

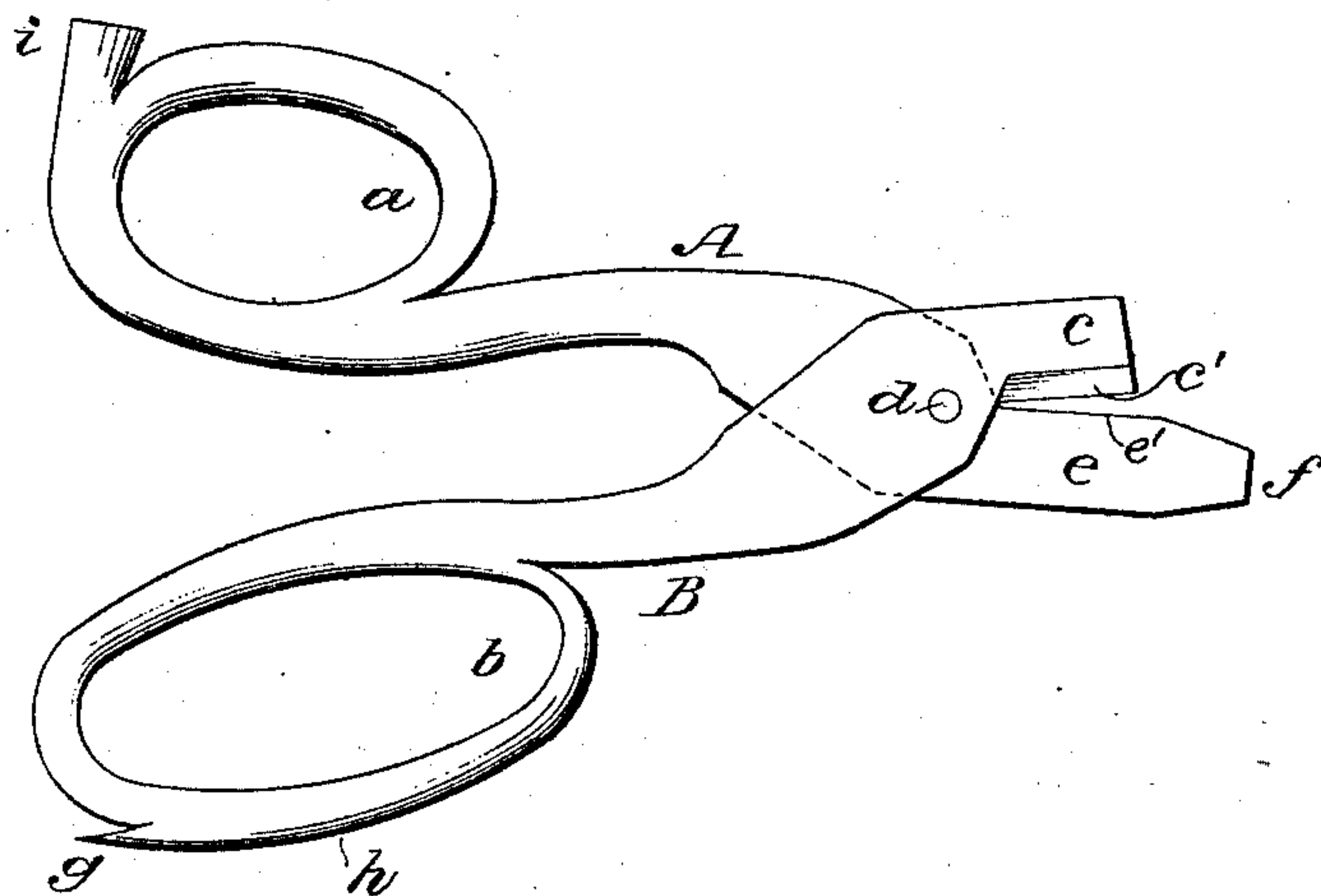
No. 285,708.

Patented Sept. 25, 1883.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*John A. Deemer*  
*L. Sedgwick*

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# UNITED STATES PATENT OFFICE.

INGERSOLL T. TORREY, OF BEETON, ONTARIO, CANADA.

## COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 285,703, dated September 25, 1883.

Application filed July 5, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, INGERSOLL T. TORREY, a citizen of the United States of America, temporarily residing at Beeton, Ontario, Dominion of Canada, have invented a new and Improved Combination-Tool, of which the following is a full, clear, and exact description.

This invention consists of a novel combination-tool, more especially intended for the use of railroad-men for cutting the wires and tin clips used in sealing freight-cars and packages, and combines in one tool shears, tack-hammer, claw for pulling tacks, and a screw-driver.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a plan view of my new combination-tool as it appears when the cutting-blades are closed; and Fig. 2 is a similar view of the tool as it appears when the blades of the shears are open.

A B represent two cross-pivoted blades. These are formed, respectively, with the bows *a b* like the bows of an ordinary pair of shears. The cutting portion *c* of blade B beyond the pivot *d* is made very short, and the cutting-edge *c'* thereof is made on a line with the pivot *d*, as shown. The cutting portion *e* of the blade A beyond the pivot *d* is made somewhat longer than the cutting portion *c* of the blade B, and this portion *e* is reduced in width at its extremity to form the screw-driver blade *f*, and the cutting-edge *e'* of this portion *e* of the blade A is made on a line with the pivot *d*, so that in connection with the cutting-edge *e'* a firm and powerful grip is furnished for cutting wire or tin. The bow *b* is formed with the claw *g* for pulling tacks and small nails. This claw is formed just above the point in the rear end of the bow, where it begins to curve upward, so that the part of the bow at *h* just in front of the claw *g* will furnish the bite or fulcrum

in the use of the tool for drawing tacks. The bow *a* of the tool is formed with the hammer-head *i* for driving tacks, and for other purposes for which a hammer may be needed.

Constructed in this manner the tool is very convenient and useful, and well adapted for the use of railroad-agents, traveling advertising-agents, train-men, and also for general household use.

I do not abandon or dedicate to the public any patentable feature herein set forth and not hereinafter claimed, but reserve the right to claim the same in a reissue of any patent that may be granted upon this application, or in any other applications for Letters Patents that I may make.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination-tool herein shown and described, consisting of the cross-pivoted blades A B, cutting-edges *c' e'*, screw-driver *f*, and bows *a b*, formed, respectively, with the hammer-head *i* and claw *g*, substantially as described.

2. In a combination-tool having cross-pivoted blades, the bow *b*, formed with the claw *g*, substantially as and for the purposes set forth.

3. In a combination-tool having cross-pivoted blades, the bow *a*, formed with the hammer-head *i*, substantially as and for the purposes set forth.

4. In a combination-tool having cross-pivoted blades, the bows *a b*, formed, respectively, with the hammer-head *i* and claw *g*, substantially as and for the purposes set forth.

5. In a combination-tool having cross-pivoted blades, the short cutting portion *c*, in combination with the cutting portion *e*, reduced to form a screw-driver, *f*, substantially as described.

INGERSOLL T. TORREY.

Witnesses:

GEORGE WRAY,  
J. C. MORRISON.