

(No Model.)

H. T. HAYNES.
COMBINATION TOOL.

No. 539,130.

Patented May 14, 1895.

Fig. 1.

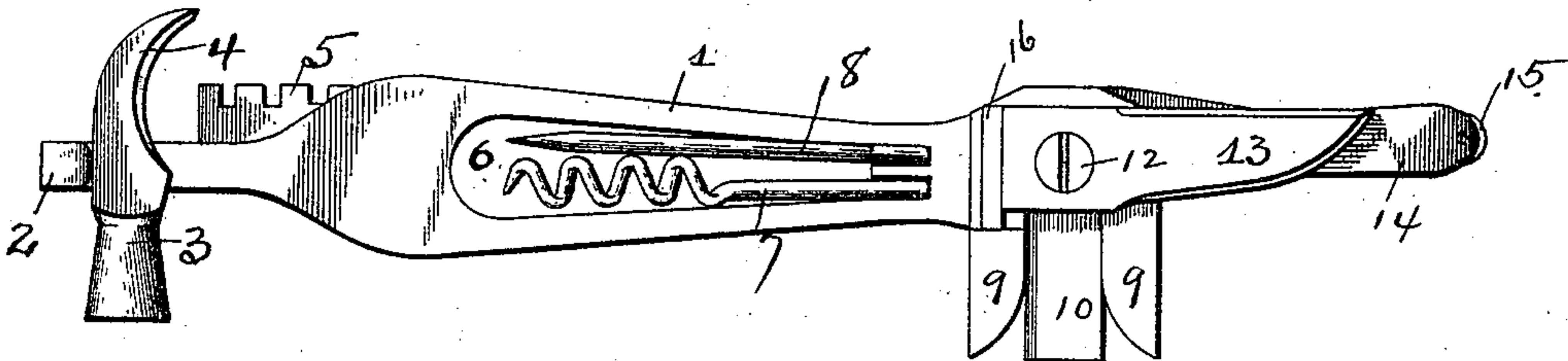


Fig. 2.

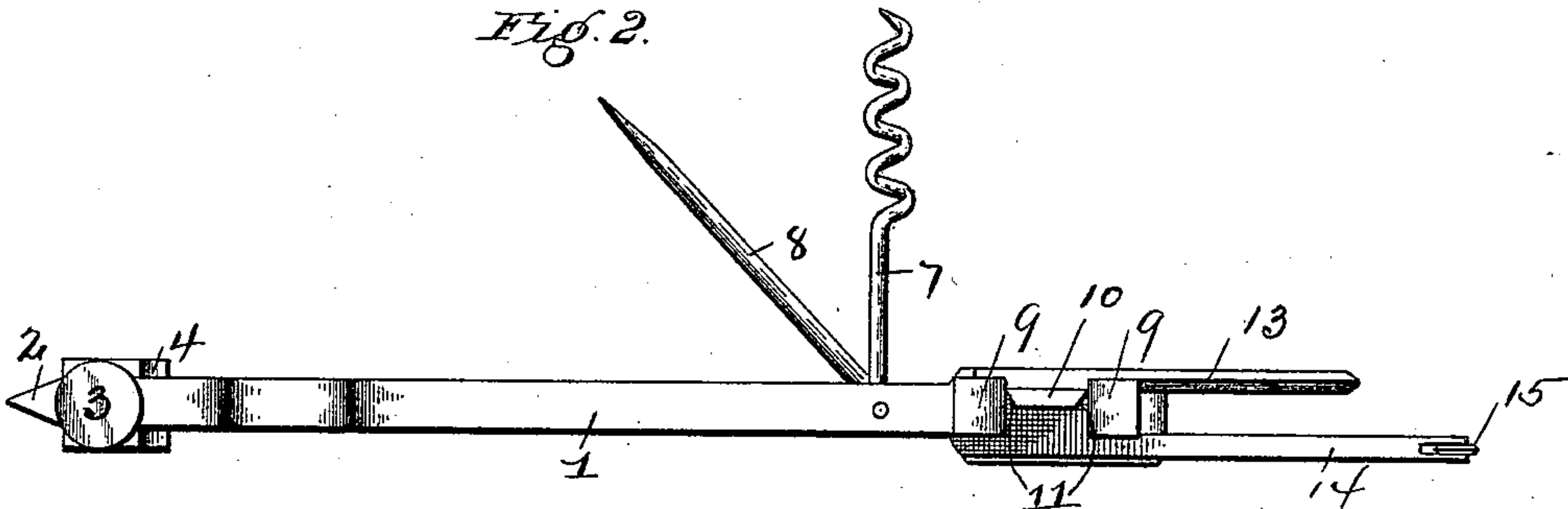
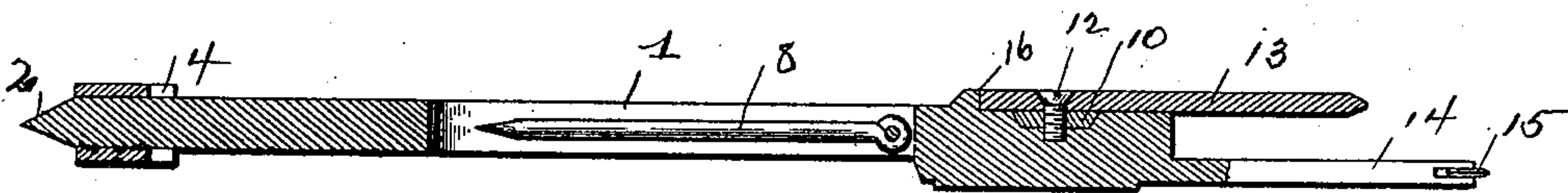


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 539,130, dated May 14, 1895.

Application filed April 23, 1894. Serial No. 508,657. (No model.)

To all whom it may concern:

Be it known that I, HENERY T. HAYNES, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Combination-Tools, of which the following is a full, clear, and exact description:

My invention relates to novel and useful improvements in household tools or implements, and more particularly to a new construction of main frame and shank, wherein is provided a novel arrangement of parts comprising a can opener, knife or scissors sharpener and a glass-cutter together with various other tools more or less useful to the household.

With these and other objects in view, my invention consists in the improved construction and combination of parts as more fully described and pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my improved device. Fig. 2 is a front elevation of the same, and Fig. 3 is a section taken on line 3 3 of Fig. 1.

Similar numerals of reference indicate similar parts in all of the figures of the drawings.

Referring to the drawings, 1 designates the frame of my improved device, having at one end and cast integral with the frame, a screw driver 2. Adjacent to the screw driver, the frame is rounded to receive a hammer 3, or the hammer may be cast integral with the frame as desired, said hammer having on one end a tack driving surface and its other end bifurcated to form a tack puller. Adjacent to the tack puller 4, and on the rear edge of the frame, is cast a saw set 5, which is adapted to set saws, or can also be used in breaking off glass after the same has been cut by the glass cutter. Located in an opening 6 of the skeleton frame 1, is a cork screw 7 and an awl 8, which, when not in use, rest securely in said opening, as shown in Fig. 1, and present no point which can catch in the user's clothing, &c., but which when in use, can be very easily manipulated. Located adjacent to the opening 6, and on the opposite end to that nearest the tack hammer, are two projections 9, 9, curved outwardly on their inner surfaces. Located in a mortise formed in the skeleton frame 1, between the projections 9, 9, is the

knife or scissors sharpener 10, said knife sharpener being formed of steel and having its edges cut away at an angle, as at 11. By this construction, it will be readily seen, that a knife of any size or a pair of scissors of any size, can, by means of the inclined edge blade, and the rounded projections, be sharpened, with equal facility. Secured to the frame by a screw or bolt 12, (which also passes through and secures the sharpener 10 to the frame,) is a blade 13, forming a can opener and having its outer edge rounded to a point, and then sharpened to present a cutting surface to the can to be opened, the point serving to form an opening in the can. The rear end of the knife blade 13 abuts against a shoulder 16, formed by a depression or cut-away portion in the shank or frame whereby the blade is held rigid at all times and prevented from turning during use.

By locating the blade 13, alongside and parallel with the rearwardly extending arm 14, it will be noted that said arm acts as a guide for the blade during the operation of opening a can.

At the opposite end of the frame from the screw driver is an extension, 14, cast integral with the frame. Said extension contains the glass cutter, which is a sharpened circular disk 15, journaled in an opening in said extension.

Minor changes in the form, and other details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. A can-opening and knife sharpening tool, consisting of the shank or frame 1, having lateral projections 9, 9, near one of its ends; a mortise in said frame intermediate the projections; a detachable plate 10 seated in said mortise and extending outward parallel with the projections; a shoulder 16 formed in the frame adjacent to the mortise; and a removable knife blade 13 lying upon and secured to said plate and frame by a screw 12, the rear edge of the blade abutting against said shoulder, substantially as described.

2. A tool or implement comprising in its construction a skeleton frame provided with

a rearwardly extending arm 14, having a disk 15 journaled in its end; projections 9, 9, extending laterally from the frame; a mortise formed in said frame intermediate the projections; a detachable plate 10, fitted in said mortise and extending laterally from the frame; and a removable knife-blade 13, secured to said plate by a screw 12, passing through the plate and blade, said blade lying

parallel with the rearwardly projecting arm, to as and for the purpose set forth.

In testimony whereof I have hereunto subscribed my name in the presence of two witnesses.

HENERY T. HAYNES.

Witnesses:

E. P. EADSON,

OTTO SAUST.