

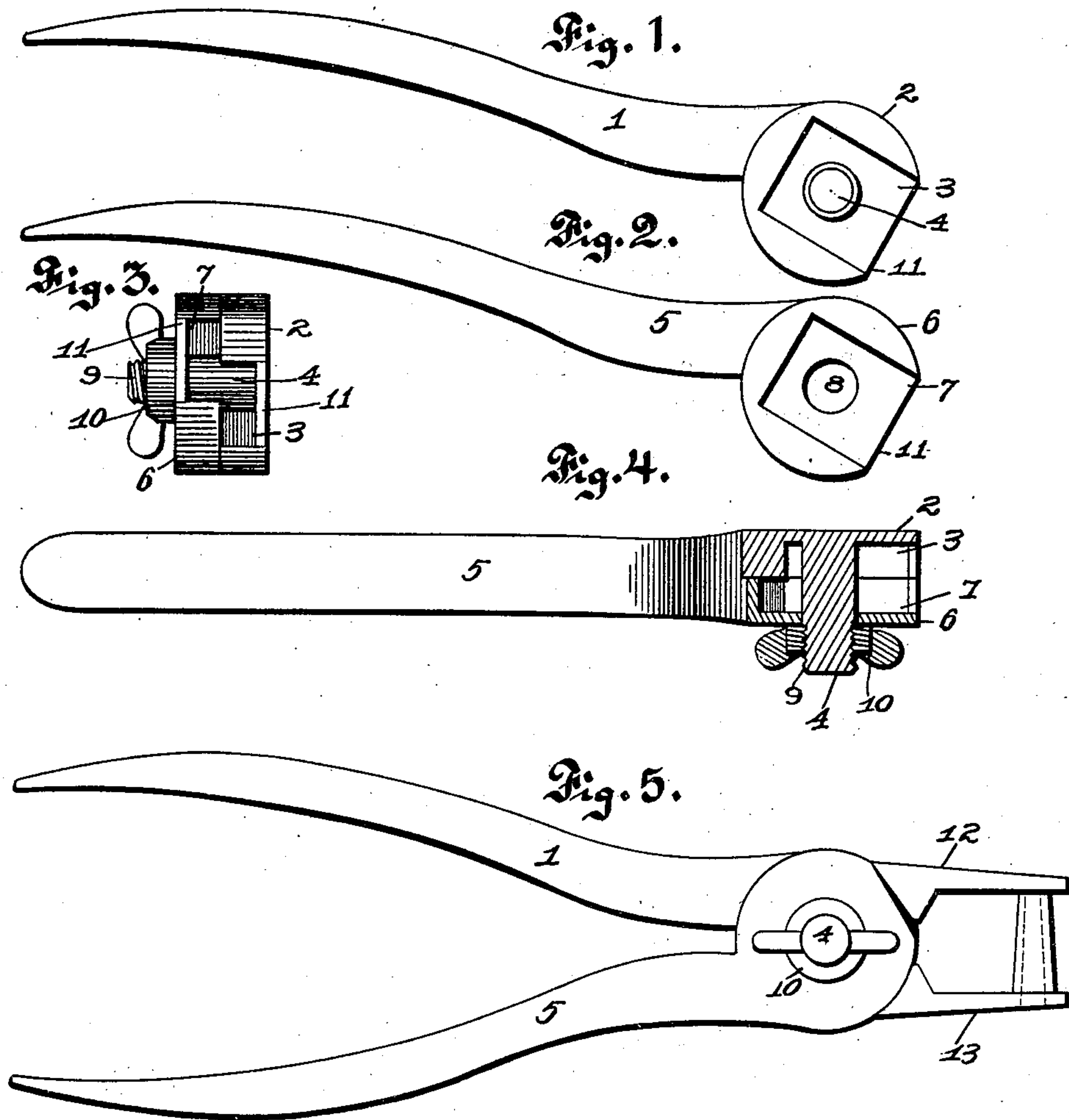
No. 677,770.

Patented July 2, 1901.

E. D. C. KOETH.
TOOL.

(Application filed July 30, 1900.)

(No Model.)



Witnesses:
Fred. W. Quackel.
J. D. Rippey.

Inventor:
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By Higdon & Longan, Attys.

UNITED STATES PATENT OFFICE.

EDWARD D. C. KOETH, OF TIPTON, MISSOURI.

TOOL.

SPECIFICATION forming part of Letters Patent No. 677,770, dated July 2, 1901.

Application filed July 30, 1900. Serial No. 25,323. (No model.)

To all whom it may concern:

Be it known that I, EDWARD D. C. KOETH, of the city of Tipton, Moniteau county, State of Missouri, have invented certain new and useful Improvements in Tools, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to tools; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

Figure 1 is a view showing one of the handles comprising my improved tool, showing the pivot-pin carried thereby. Fig. 2 is a view showing the other handle. Fig. 3 is an end view showing the handles secured together. Fig. 4 is a detail sectional view showing the manner in which the parts are secured together. Fig. 5 is a side elevation showing the handles and the manner in which the tools are secured thereto.

Referring to the drawings, 1 denotes a handle, of any desired construction, having on one end an integral jaw 2, formed in which is a rectangular groove 3, projecting from the base of which is a pivot-pin 4.

5 indicates a handle corresponding to the handle 1, having on one end a jaw 6, formed in which is a groove 7, and formed through the base of the jaw 6, within the groove 7, is an opening 8, which is adapted to receive the pin 4 when the parts are secured together. The pin 4 is provided on its outer end with threads 9, threaded over which is a thumb-nut 10, whereby the two handles may be securely held together. A flat surface 11 is formed on the outer ends of the jaws 6, the purpose of which is to receive the shoulders formed on the tools which are to be carried by the handles 1 and 5 and to afford the tools a firmer hold than would be provided on a round surface.

In Fig. 5 is shown a leather-punch applied to the handles, the projecting portion integral with the upper member 12 resting within a groove in the lower handle and the pro-

jecting portion integral with the member 13 resting within a groove in the upper handle, the said projecting members being provided with openings through which the pin 4 passes, thereby holding the different parts rigidly in position.

I have shown here a limited number of tools which may be secured or attached to the handles; but it is manifest that the number that may be used is unlimited and may include, among others, shears for cutting tin, &c., pin-cers for different uses, saws for different purposes, pipe-tongs, pruning-blades, wire-cutters, pliers, and others too numerous to mention.

A tool constructed as described requires only one pair of handles for an unlimited number of tools which may be used for various purposes. The tools when applied are rigidly held within the adjacent jaws of the different handles, and the handles are securely held together by means of the nut 10. The pin 4 forms a strong pivot on which the handles are allowed to operate and by means of which the different tools are securely held in position.

I claim—

A tool consisting of two handles having enlarged jaws on their outer ends with square recesses in their adjacent sides and with the flat portions 11, a projection 4 rigid with one of said jaws and the other jaw having an opening through which the said projection is passed, in combination with suitable devices having integral square projections adapted to rest within the said recesses, and having openings through said projections to receive the projection 4, and shoulders formed integral with their outer portions which are adapted to rest against the surfaces 11, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD D. C. KOETH.

Witnesses:

S. N. SITTON,
J. S. STINGER.