May 30, 1967 J. IVAN 3,321,783

HATCHET, HAMMER AND KNIFE COMBINATION

Filed June 30, 1965

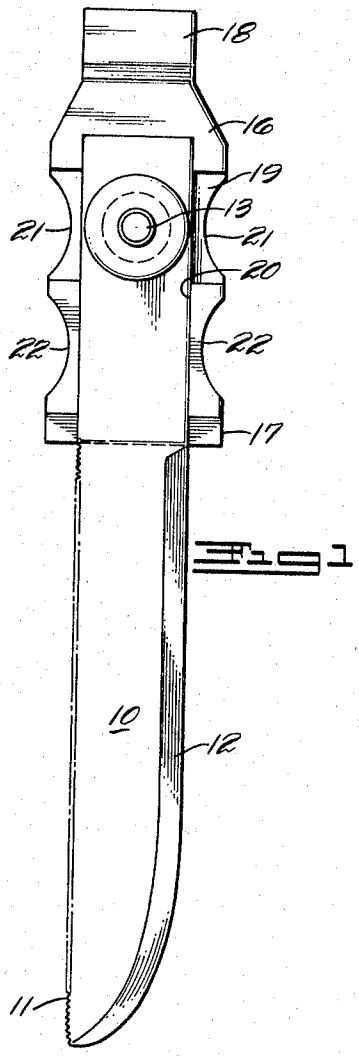


Fig 1

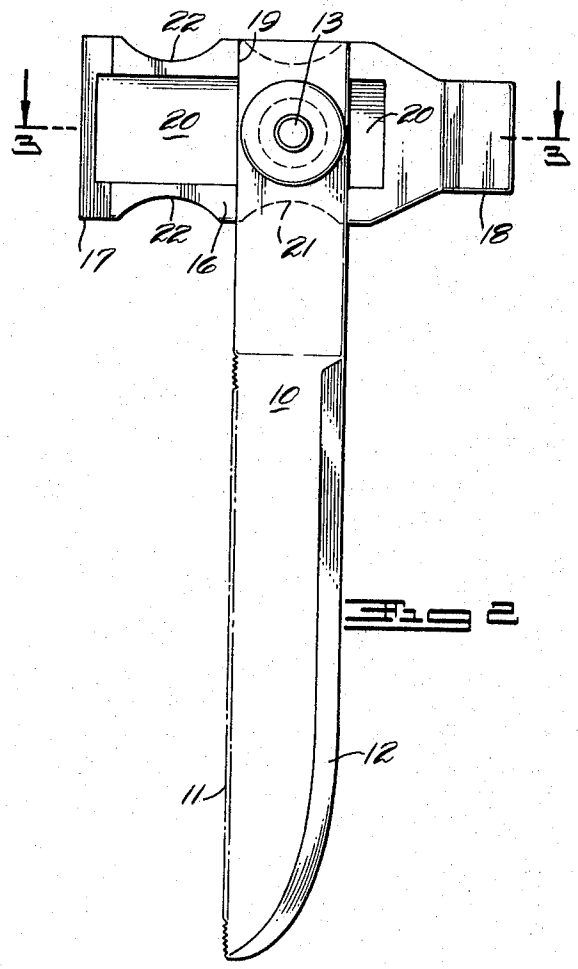


Fig 2

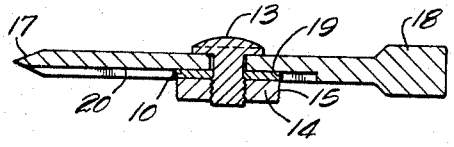


Fig 3

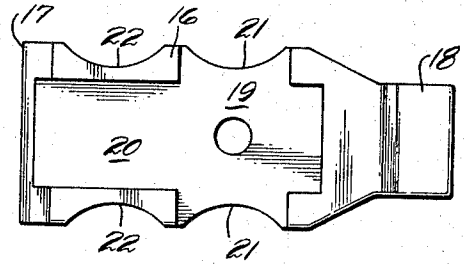


Fig 4

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United States Patent Office 3,321,783 Patented May 30, 1967

3,321,783

HATCHET, HAMMER AND KNIFE COMBINATION

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Filed June 30, 1965, Ser. No. 468,281
4 Claims. (Cl. 7—8.1)

ABSTRACT OF THE DISCLOSURE

A combination tool combining a hatchet, a hammer and a knife, the parts of the combination tool being movable relative to one another and registrable with one another to form handles for the respective tools.

The principal object of the invention is the provision of a light-weight combination tool incorporating a hatchet, a hammer and an elongated knife blade and saw.

A further object of the invention is the provision of a combination tool wherein a saw blade is formed parallel with the knife blade thereof, and a handle portion is arranged to form a hatchet and a hammer respectively.

A further object of the invention is the provision of a combination tool particularly suitable for hunters and woodsmen in that a multi-purpose tool is formed of two parts movably pivoted to one another and arranged for interlocking registry in alternate positions.

A still further object of the invention is the provision of a combination tool that may be inexpensively formed and assembled and is capable of being carried in a sheath in the manner of a knife.

The combination tool disclosed herein comprises a tool particularly suited for hunters, woodsmen and the like. The combination tool includes two body portions, one of which has oppositely disposed hatchet and hammer formations, and the other of which has oppositely disposed knife and saw portions. The knife and saw portions are formed on an elongated blade which, in turn, forms a handle at right angles to the hammer and hatchet portion; and, conversely, the hammer and hatchet portion is arranged to be positioned in parallel relation to the elongated blade carrying the knife and saw portions so as to form a desirably shaped handle portion therefor.

Hunters, woodsmen, fishermen and the like will find the combination tool particularly useful in that it may be used for a multiplicity of purposes. At the same time, it is light in weight, convenient to carry and is advantageously used in connection with the sheath in which the blade and saw portions thereof are ordinarily enclosed.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being the intention to cover all changes and modifications of the example of the invention herein chosen for purposes of the disclosure, which do not constitute departures from the spirit and scope of the invention.

The invention is illustrated in the accompanying drawing, wherein:

FIGURE 1 is a plan view of the combination tool showing it arranged for use as a knife.

FIGURE 2 is a plan view of the combination tool showing it arranged for use as a saw or a hammer or a hatchet.

FIGURE 3 is a cross section on line 3—3 of FIGURE 2.

FIGURE 4 is a plan view of a portion of the combination tool seen in FIGURE 2.

By referring to the drawings and FIGURES 1 and 2 in particular, it will be seen that the combination tool comprises an elongated blade-like portion **10** having a saw edge configuration **11** on one edge thereof and a knife edge **12** on the other edge thereof. The saw tooth edge **11** and the sharpened knife edge **12** extend approximately three-fourths of the length of the blade-like portion **10**, and the remaining one-fourth length thereof is substantially rectangular with an aperture near the end through which a combination pivot and fastener **13** is positioned. The pivot fastener **13** preferably takes the form of a nut and bolt assembly, as best seen in the cross section comprising FIGURE 3 of the drawings, wherein the nut is indicated by the numeral **14**. It will be observed that the nut **14** is relatively large, preferably circular, with a knurled edge **15** so that it may be conveniently rotated manually.

The rectangular quarter-end portion of the blade-like member **10** is positioned alongside a body member **16** which has a tapered edge **17** on one end forming a sharpened hatchet-like blade and a thickened hammer head **18** on the other end. The body member **16** has a transverse channel **19** thereacross inwardly from the ends **17** and **18**, and is apertured on the transverse center line of the channel **19** so as to receive the pivot fastener **13** heretofore referred to.

The body member **16** also has a longitudinally extending channel **20** formed therein of a width and length slightly greater than the quarter-end section of the blade-like member **10** heretofore referred to, so that the blade-like member **10** will register therein as seen in FIGURE 1 of the drawings.

By referring to FIGURE 1 specifically, it will be observed that when the circular nut **14** is tightened on the fastener **13**, the blade member **10** will be tightly held in the longitudinal channel **20** and relative rotation of the blade-like member **10** and the body member **16** will thereby be prevented.

The opposite ends of the transverse channel **19** in the body member **16** are cutaway in oppositely disposed arcuate shapes **21**, and the opposite sides of the body member **16** immediately adjacent the channel **19** are also cutaway in arcuate shapes **22**.

Still referring to FIGURE 1 of the drawings, it will be observed that the combination tool in assembled relation as shown in FIGURE 1 thus provides a convenient hand fitting handle portion for the blade-like member **10** with its oppositely disposed saw tooth edge **11** and sharpened knife edge **12**.

By loosening the circular nut **14**, the body member **16** may be rotated a quarter turn relative to the blade-like member **10**, to the position shown in FIGURE 2 of the drawings, where the end portion of the blade-like member **10** will register with the transverse channel **19** and upon re-tightening of the circular nut **14** the body member **16** and the blade-like member **10** are again positioned in fixed relation to one another with the body member **16** positioned transversely of the blade-like member **10**.

In this assembled position, the combination tool forms either a hatchet or a hammer with the blade-like member **10** serving as a handle, and this is particularly useful when a leather sheath, not shown, is positioned on the blade-like member **10** so as to form a suitable protective coating or covering for the blade-like member **10** and its saw tooth edge **11**, and its knife edge **12**. In the position illustrated in FIGURE 2, the combination tool is also quite useful as a saw with the transversely positioned body member **16** serving as an effective handle, which can be gripped by the user to forcibly move the saw tooth edge **11** relative to an object to be sawed. In order that the configuration and arrangement of the

longitudinal and transverse channels 20 and 19, respectively, in the body member 16 may be completely illustrated, FIGURE 4 of the drawings shows a plan view of the body member 16 with all of the longitudinal channel 20 and transverse channel 19 in full plan view.

It will occur to those skilled in the art that both parts of this combination tool may be stamped from suitable metal stock in an appropriate forming die, or that alternately the body member 16 may be forged if desired to provide the thickness and weight desirable in the same for hatchet and hammer purposes. The blade-like body member 10 may also be forged and formed of metal so that the saw tooth edge 11 may be conveniently cut therein and the knife edge 12 thereof sharpenend and honed, as will be understood by those skilled in the art.

It will thus be seen that a combination tool has been disclosed which meets the several objects of the invention, and having thus described my invention, what I claim is:

1. A combination tool comprising a pair of body members, one of said body members comprising an elongated blade-like member having a rectangular end section and an extending portion with a saw tooth configuration on one longitudinal edge and a sharpened knife blade configuration on the other longitudinal edge, the other of said body members having a transverse and a longitudinal channel formed therein, a hammer head configuration on one end and a tapered blade configuration on the other end of said body member, said longitudinal and transverse channels in said other body member being of a size to snugly receive said rectangular end section of said elongated blade-like member and an adjustable fastener holding said body members to one another in a selected position of alignment or in a position whereby one body member is normal to the other.

2. The combination tool set forth in claim 1 and wherein said other body member has oppositely disposed arcuate cutaway areas at the opposite ends of the transverse channel and immediately adjacent thereto to form finger-grip sections in the opposite longitudinal edges thereof.

3. The combination tool set forth in claim 1 and wherein the fastener pivoting the body members to one another comprises a bolt and nut assembly wherein the nut is a large circuluar member with a knurled edge.

4. A combination tool comprising an elongated knife blade having a sharpened edge and a saw tooth configuration on its opposite edge, a portion of said knife blade comprising a rectangular section apertured at one end thereof, a body member having a hammer head configuration on one end and a hatchet blade configuration on the other, said body member having a longitudinal wide flat channel formed therein of a size and shape to snugly receive said rectangular portion of said knife blade so as to hold said body member and knife blade immovable relative to one another, said body member having a transversely positioned wide flat channel of a width to snugly receive a portion of said rectangular section of said knife blade, a single fastener positioned through said knife blade and body member on the longitudinal center line of said longitudinal and transverse channel acting to pivot said knife blade to said body member when loosened whereby the body member may be selectively secured along the longitudinal axis of said blade or in a position normal to said axis.

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