T. G. BECKTON & F. W. GORDON.

HANDLE FOR TOOLS.

APPLICATION FILED MAY 14, 1915.

1,176,192. Patented Mar. 21, 1916.

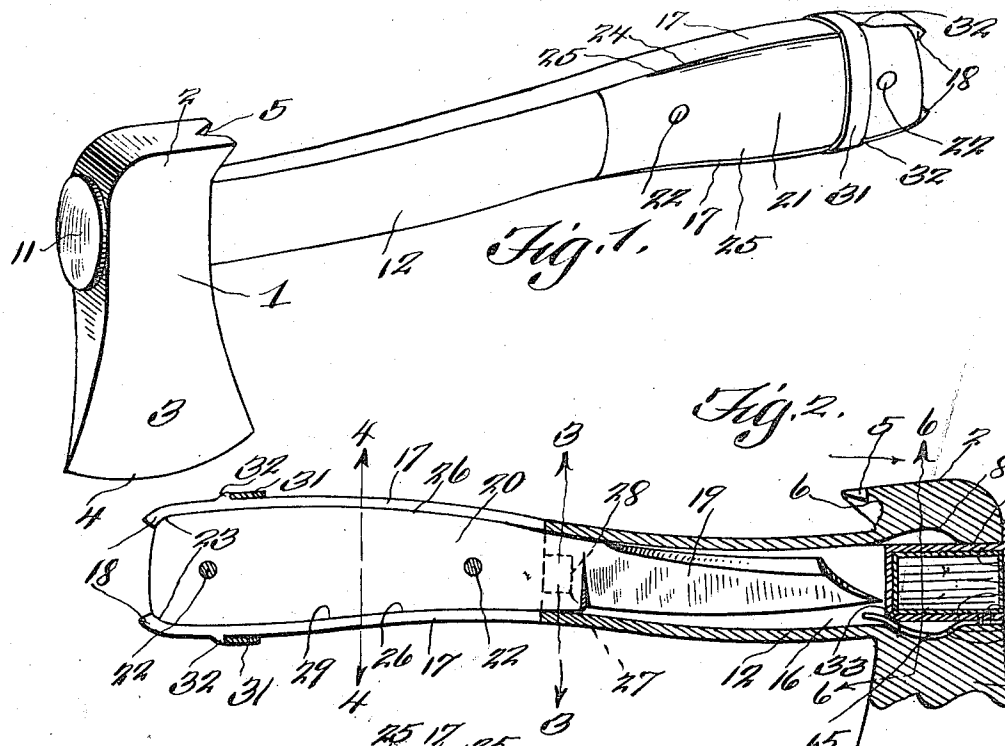


Fig. 1.



Fig. 2.

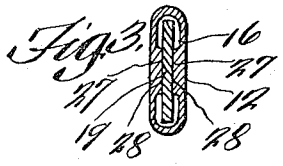


Fig. 3.



Fig. 4.

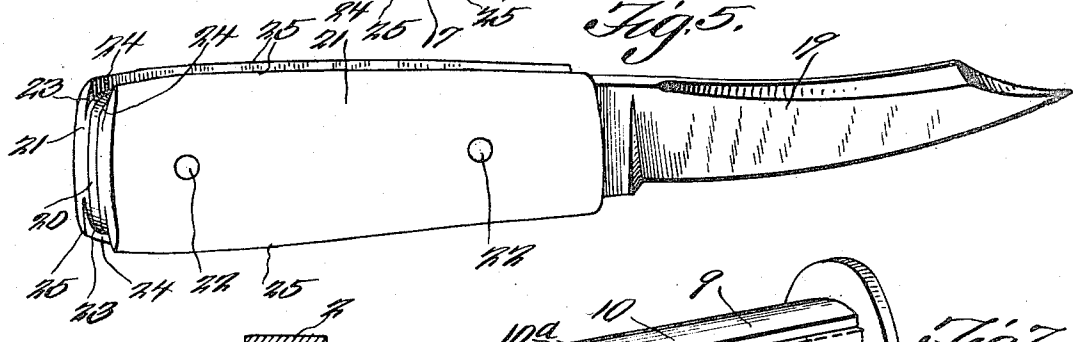


Fig. 5.

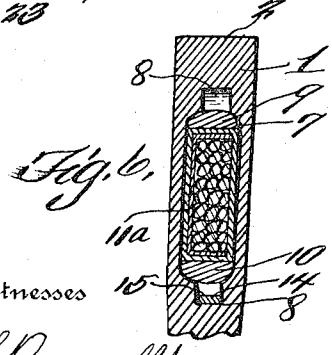


Fig. 6.

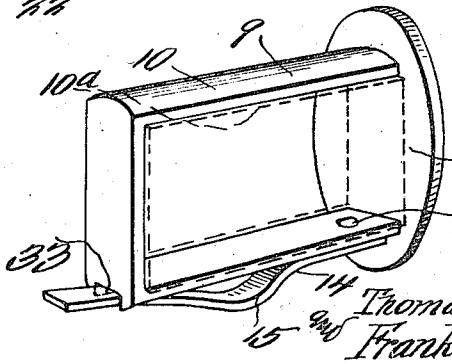


Fig. 7.

Witnesses

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# UNITED STATES PATENT OFFICE.

THOMAS G. BECKTON AND FRANK W. GORDON, OF PORT HURON, MICHIGAN.

## HANDLE FOR TOOLS.

1,176,192. Specification of Letters Patent. Patented Mar. 21, 1916.

Application filed May 14, 1915. Serial No. 28,083.

*To all whom it may concern:*

Be it known that THOMAS G. BECKTON and FRANK W. GORDON, citizens of the United States of America, residing at Port Huron, in the county of St. Clair, State of Michigan, have invented a new and useful Handle for Tools, of which the following is a specification.

This invention relates to an improved axe and combination knife and axe handle, and the invention in its broadest aspect aims as one of the objects to provide a combined knife and axe handle.

Another object of the invention is the provision of an axe head having a hollow portion and provided with an integral hollow handle section terminating in a pair of oppositely disposed spring arms, between which the knife handle is received, the blade of the knife handle extending into the hollow integral axe handle section, said section constituting a guard for the blade.

One of the features of the invention is to construct the combined knife and axe handle with oppositely disposed grooves to receive said spring arms. To hold said combined knife and axe handle firmly in position, said spring arms at their free ends are provided with curved lugs to engage the rear of the combined knife and axe handle, to hold said handle in place.

Another feature of the invention is the provision of a ring constructed correspondingly in shape with the contour of the combined knife and axe handle, that is, in cross section, acting to hold the spring arms in engagement with the groove, there being means to limit the ring or band in its rearwardly adjusted position.

Another feature of the invention is to construct the axe handle section (which is integral with the axe head), on the interior thereof at one end, with oppositely disposed enlargements or lugs, to contact with the blade of the knife substantially midway of its length, and adjacent the handle of the knife, to hold the knife against wabbling or displacement otherwise.

Another feature of the invention is that the hollow portion of the axe head receives a match box holder, which is provided with a spring device, to engage one or another of two recesses formed in the wall of the hollow portion of the head, to hold the holder securely in position.

In practical fields the details of construction may necessitate alterations, falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view in perspective of the improved axe and combination knife and axe handle constructed in accordance with the invention. Fig. 2 is a longitudinal sectional view showing parts in elevation. Fig. 3 is a cross sectional view on line 3—3 of Fig. 2. Fig. 4 is a cross sectional view on line 4—4 of Fig. 2. Fig. 5 is a detail perspective view of the knife removed. Fig. 6 is a cross sectional view on line 6—6 of Fig. 2. Fig. 7 is a detail view of the match box holder.

Referring more especially to the drawings, 1 designates the axe head, which is provided with a hammer end or pole 2, and a cutting blade 3 provided with a cutting edge 4. Projecting rearwardly of the hammer end or pole are nail extracting claws 5, the under adjacent portions of which are hollowed out as shown at 6, to receive the head of the nail when being extracted. The axe head is provided with a hollow 7, the opposite walls of which are provided with recesses 8. The hollow 7 receives a match box holder 9, which comprises the rectangular frame 10, which is open sided, and which projects from a plate 11. This plate 11 when the holder 9 is fitted in the hollow 7, covers the hollow, and also presents the same appearance, as if the axe handle section 12 (which is integral with the axe head) extended through the head. The frame 10 has riveted to one side thereof as shown at 13 a leaf spring 14, which is bowed or curved as shown at 15, and designed to engage either one of the recesses 8, to secure the holder 9 in the hollow 7 of the axe head. As shown in Fig. 7 the holder 9 receives a match box. The holder 9 not only holds the entire match box, but it also prevents the match box from displacement. It is to be clearly noted that by inserting some suitable instrument under the cover plate 11, the entire holder may be withdrawn from the hollow of the head, after which the match box may be removed for access to the matches therein. It will be observed that the cover plate 11 and holder 9 practically constitute a closure for the hollow end of the tool or axe. The hollow 16 of the axe handle section has a curved contour in sectional side elevation, and is

alined with the hollow 7. The axe handle section 12 has a pair of rearwardly extending spring arms 17, the rear extremities of which are provided with curved retaining lugs 18.

The knife consists of a suitable blade 19, which is formed integral with the handle section 20 of the knife, which is riveted between two handle backs 21 as shown at 22. The curved retaining lugs engage the rear corners 23 of the integral knife handle section. The handle backs are recessed at 24, and are wider than the knife handle section, thereby forming flanges 25, and consequently forming grooves 26, which receive the oppositely disposed spring arms 17, the flanges overlying the integral knife handle section, thereby guarding and preventing lateral movement of the section, thereby assisting the retaining lugs 18 in holding the section in place. It is to be observed that when the knife handle section with its wood handle backs is inserted between the spring arms, the knife handle section and the backs constitute the other half of the axe handle, in other words, the other section, which together with the section 12 constitute the entire axe handle. The axe handle section 12 on its interior adjacent one end is provided with oppositely disposed enlargements or lugs 27, which engage the knife blade 19 as shown at 28 adjacent the handle backs, to prevent wabbling or displacement otherwise. It will be observed that the contour of the knife blade 15 corresponds to the contour of the hollow axe handle section and fits easily therein. The adjacent faces of the spring arms 17 are curved in cross section, as shown in Fig. 4, to engage correspondingly curved portions 29 of the knife handle section. To hold the spring arms in engagement with the knife handle section a suitable band 31 is provided, which is slidably mounted upon the handle, the lugs 32 acting to limit the band in its movement rearwardly. The spring device 14 has its free end portion seated in a recess 33 of the frame 10 of the match holder, which match holder carries a box of matches as indicated in dotted lines at $10^a$.

The invention having been set forth, what is claimed as new and useful is:—

1. A handle for a tool consisting of two sections, one section having a pair of oppositely disposed extension spring arms, the other section having side plates having their adjacent faces near their opposite edges provided with recesses angular in cross section forming oppositely disposed grooves to receive the spring arms to hold the section having the grooves in continuous alinement to and with the section having the arms, the rear terminal of said spring arm being formed with curved retaining lugs overlying the rear corner terminals of the section having the grooves to hold the grooved section in place.

2. A handle for a tool consisting of two sections, one section having a pair of oppositely disposed extension spring arms, the other section having side plates having their adjacent faces near their opposite edges provided with recesses angular in cross section forming oppositely disposed grooves to receive the spring arms to hold the section having the grooves in continuous alinement to and with the section having the arms, the rear terminal of said spring arm being formed with curved retaining lugs overlying the rear corner terminals of the section having the grooves to hold the grooved section in place, said arms adjacent the retaining lugs having outwardly extending additional abutment lugs, and a clasping band frictionally engaging over the arms and the side plates to hold the arms tightly in said grooves, said band being limited by the abutment lugs.

3. A handle for a tool consisting of two sections, one section having a pair of oppositely disposed extension spring arms, the other section having side plates having their adjacent faces near their opposite edges provided with recesses angular in cross section forming oppositely disposed grooves to receive the spring arms to hold the section having the grooves in continuous alinement to and with the section having the arms, the rear terminal of said spring arm being formed with curved retaining lugs overlying the rear corner terminals of the section having the grooves to hold the grooved section in place, said arms adjacent the retaining lug having outwardly extending additional abutment lugs, and a clasping band frictionally engaging over the arms and the side plates to hold the arms tightly in said grooves, said band being limited by the abutment lugs, the section having the grooves partially extending into the other section, the section having the spring arms having interior enlargements or lugs engaging the part of the section having the grooves which extends into the section having the arm to prevent wabbling of the two sections.

In witness whereof we hereunto affix our signatures in the presence of two witnesses.

THOS. G. BECKTON.
FRANK W. GORDON.

Witnesses:
JNO. M. GLEASON,
HELEN M. O'GRADY.