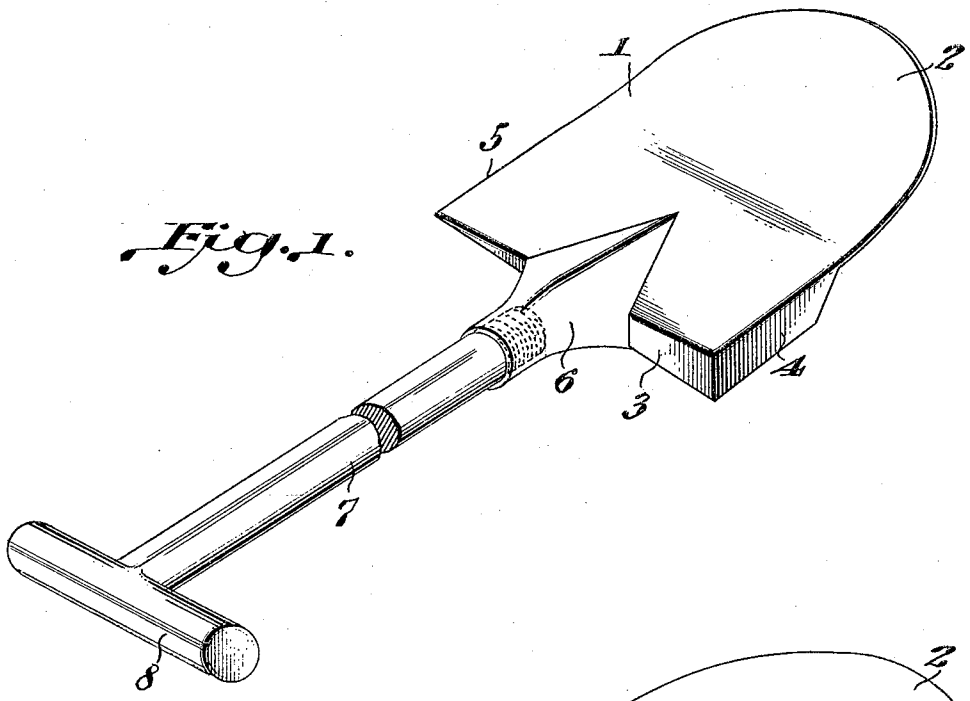
Oct. 11, 1932. J. A. LEE 1,882,288

COMBINATION TOOL

Filed May 11, 1929

Fig. 1.



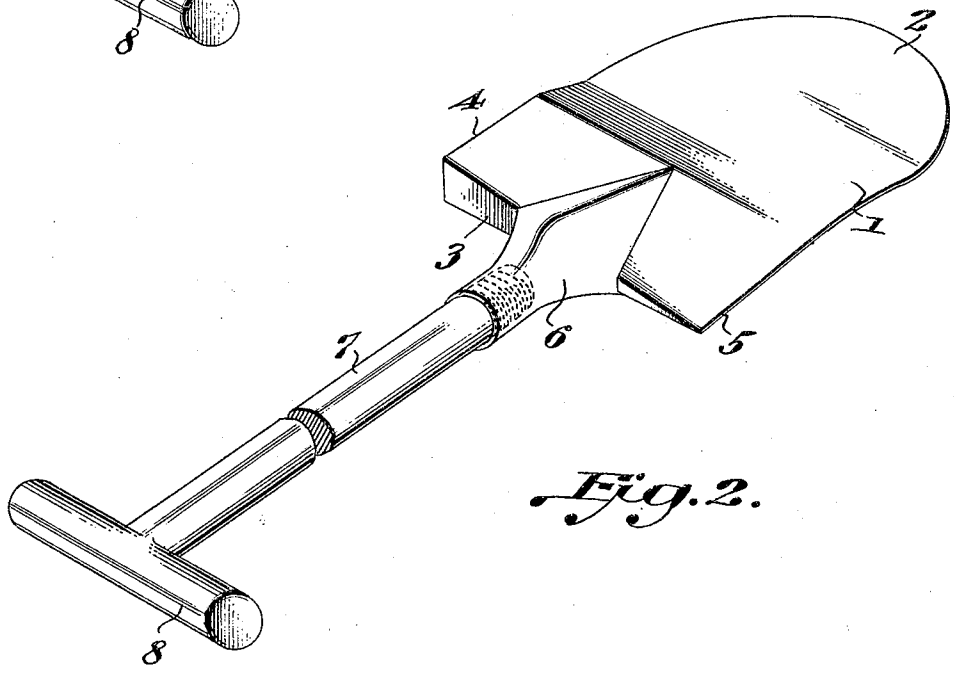


Fig. 2.

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Patented Oct. 11, 1932 1,882,288

UNITED STATES PATENT OFFICE

JOHN ALBERT LEE, OF OGDEN, UTAH

COMBINATION TOOL

Application filed May 11, 1929. Serial No. 362,244.

This invention relates to an improvement in combination tools.

The object of the invention is to provide a tool that may be used for various purposes and which is of a construction so as to be used as a spade, a hammer or an axe, and the head of the tool may be formed with the axe and hammer portions at the edges of the spade. A handle is attached to the head to permit the use of any of these elements for their respective and individual purposes.

In the accompanying drawing:

Fig. 1 is a perspective view of the tool from one side; and

Fig. 2 is a similar view of the tool reversed.

The numeral 1 designates the head of the tool proper, which is provided with the spade 2 at the outer end thereof, which spade is suitably formed and constructed in the usual way.

In the form shown in the drawing, the spade 2 terminates at its back end in an enlargement 3 provided with a hammer portion 4, which may be used for driving nails or for any other purpose desired. The opposite side edge of the head 1 is sharpened as at 5, so as to be used as an axe for chopping down trees or small bushes, or the like, or for cutting any objects desired. The head 1 preferably has the axe, hammer and spade portions all cast integral in the form shown in the drawing, although modifications may be made in this arrangement as desired.

A socket 6 is fixed to the head 1 at the back end thereof, to which may be attached the handle 7. This handle may be threaded into the socket or it may be held in place by a bayonet joint and spring or other effective manner for securely holding the handle therein.

The end of the handle 7 within the socket 6 may have formed or secured thereon various useful implements, such a grubbing hoe, pick point, nail puller or mattock cutting edge to permit the use of these after the handle may be withdrawn from the socket.

The handle 7 is provided at its outer end with the hand-hold 8, in the form of a crosspiece extending transversely of the handle, to be grasped by the person using the tool.

The tool is extremely simple and when the head is formed in one piece, the elements thereof do not materially increase the cost of manufacturing the instrument and yet provides a number of additional uses therefor.

I claim:

1. A combination tool comprising a head having a sharpened side edge and having an enlargement at the opposite edge thereof from the sharpened side edge, said enlargement being uniformly tapered from one side edge to the sharpened side edge, a spading blade extending forwardly a substantial distance from the forward edge of the head and formed thereon, and a handle attachment applied to the head on the opposite side thereof from the spading blade and approximately midway between the enlarged edge and the sharpened edge.

2. A combination tool comprising a head having a sharpened side edge and having an enlargement forming a broad, flat face at the opposite edge thereof from the sharpened side edge, said enlargement being uniformly tapered from the broad, flat face to the sharpened side edge, a spading blade extending forwardly a substantial distance from the forward edge of the head and formed thereon, said spading blade extending approximately throughout the width of the head, and a handle attachment secured to the head on the opposite side thereof from the spading blade and midway between the broad, flat face and the sharpened edge.

In testimony whereof I affix my signature.

JOHN ALBERT LEE.