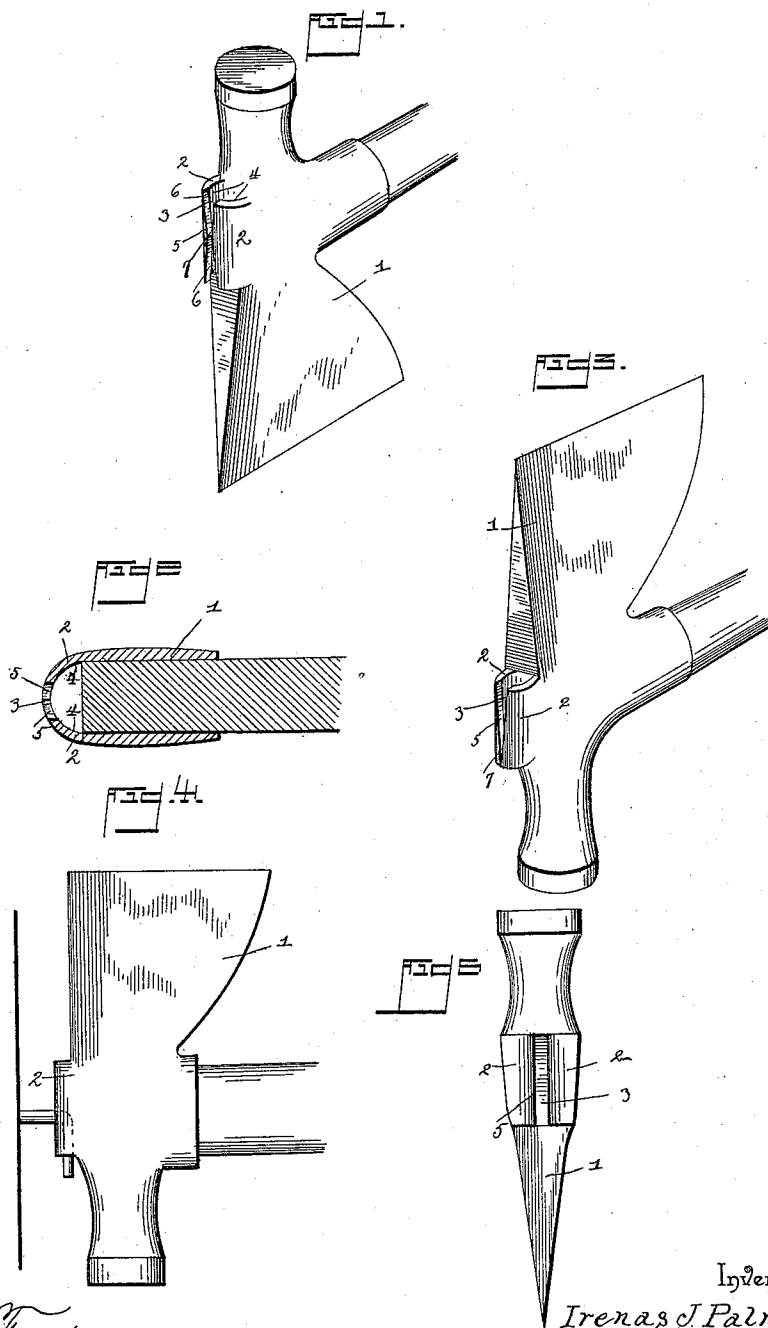


(No Model.)

I. J. PALMER.
HATCHET.

No. 468,892.

Patented Feb. 16, 1892.



Witnesses

Chas. A. Ford.
H. J. Riley

By his Attorneys,

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Inventor

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UNITED STATES PATENT OFFICE.

IRENAS J. PALMER, OF OLEAN, NEW YORK, ASSIGNOR OF TWO-THIRDS TO
OLIVER F. CARLEY AND THOMAS STORRS, OF SAME PLACE.

HATCHET.

SPECIFICATION forming part of Letters Patent No. 468,892, dated February 16, 1892.

Application filed July 13, 1891. Serial No. 399,399. (No model.)

To all whom it may concern:

Be it known that I, IRENAS J. PALMER, a citizen of the United States, residing at Olean, in the county of Cattaraugus and State of New York, have invented a new and useful Hatchet, of which the following is a specification.

The invention relates to improvements in hatchets.

10 The object of the present invention is to provide for hatchets a claw which will be adapted to readily grasp a nail, staple, or the like, and which will be arranged in convenient position to enable the end of a hatchet-head to be used as a fulcrum-point in extracting a nail, and which will be simple, strong, and durable and adapted to be readily constructed during the manufacture of a hatchet with but small additional cost.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

25 In the drawings, Figure 1 is a perspective view of a hatchet provided with a claw constructed in accordance with this invention. Fig. 2 is a vertical sectional view. Fig. 3 is a perspective view of a modification of the invention. Fig. 4 is a side view of a hatchet, illustrating the manner of extracting a hook. Fig. 5 is a top view of a hatchet provided with a claw having parallel sides.

30 Referring to the accompanying drawings, 1 designates a hatchet constructed in the usual manner and having the sides of its eye or socket extended outward to provide flanges 2, which form the sides of a claw and are adapted to receive between them the head of a nail, the end of a hook or staple, or the like, and are adapted to clamp and securely hold the same during their extraction. The flanges or sides of the claw are bent or otherwise shaped toward each other over the end of the handle-socket of the hatchet and form a recess 3 for the head of the nail, as illustrated in the accompanying drawings. The portions 4 of the inner faces of the sides of the claw, which lie directly adjacent the head of a nail, are parallel, so that the head of a nail will not bind against the sides and wear them at one point, as would be the case were the sides converg-

ing. A number of claws become dull by reason of the strain being concentrated at a single point; but this objection is obviated by constructing the sides parallel at 4 opposite the head of a nail. The edges 5 of the flanges or sides may be either converging or parallel, or they may converge from each end toward the center and be provided with a mouth 6 at each end. These edges 5 come nearly together, with sufficient space between them to form a tapering slot 7 to receive the stem of a nail to engage the same.

During the manufacture of hatchets and while they are subjected to the blows of a forger's hammer the ends of the eye or socket of a hatchet are extended and flattened out and flanges or projections are formed, which have to be trimmed off, and these extensions or flanges thus formed may be conveniently utilized to form the flanges 2, which are the sides of the claw. Thus it will be seen that the cost of manufacturing hatchets is lessened, inasmuch as the hatchets do not have to be trimmed to such an extent as heretofore, and the extensions or flanges incidentally formed during the manufacture of hatchets may with little labor and expense be constructed into claws.

Claws may be constructed as illustrated in Figs. 1 and 2 and be provided with a mouth 6 at each end and have their upper edges converge toward the middle to adapt either end of the hatchet-head to be employed as a fulcrum-point and to enable a nail to be extracted by swinging the handle of a hatchet in either direction.

In Fig. 3 is illustrated a hatchet provided with a claw having a mouth at one end, and the edges of the flanges 2 or sides of the claw converge from the mouth toward the other end of the claw; but hatchets may be constructed with claws having parallel sides or flanges, as illustrated in Fig. 5 of the accompanying drawings.

It will be seen that claws constructed in accordance with this invention are simple, strong, and durable and are exceedingly inexpensive in construction, as the extensions which are usually swaged during the manufacture of hatchets and which have to be trimmed are utilized.

What I claim is—

1. A hatchet having the sides of its eye or socket extended and forming flanges bent toward each other over the eye or socket and forming a recess to receive the head of a nail, substantially as described.

2. A hatchet having the sides of its eye or socket extended and forming flanges bent toward each other over the eye or socket and forming a recess to receive the head of a nail and having converging edges 5 to provide a tapering slot or space 7, substantially as described.

3. A hatchet having the sides of its eye or socket extended and forming flanges bent toward each other over the eye or socket and forming a nail-recess having parallel portions

4 and converging edges 5, forming a tapering space or slot 7 to receive the stem of a nail, substantially as described.

4. A hatchet having the sides of its eye or socket extended and forming flanges and bent toward each other and forming nail-recesses and diverging from their middles and forming a claw having a mouth at each end, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

IRENAS J. PALMER.

Witnesses:

WILLIAM COBB,

WILLIAM V. SMITH.