

D. CAMERON.
STAPLE.

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1,051,310.

Patented Jan. 21, 1913.

Fig. 1.

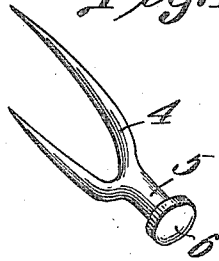


Fig. 2.

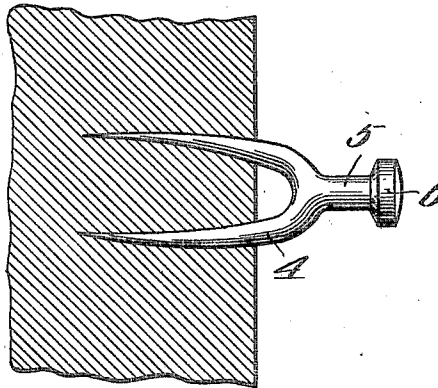
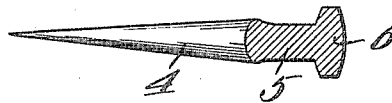


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

DANIEL CAMERON, OF GATESVILLE, MICHIGAN.

STAPLE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, DANIEL CAMERON, a citizen of the United States, residing at Gatesville, in the county of Chippewa and State of Michigan, have invented a new and useful Staple, of which the following is a specification.

This invention relates to staples, and aims to provide a staple which may be readily driven into and extracted from a fence post and the like.

The present staple is illustrated in the accompanying drawings, wherein,—

Figure 1 is a perspective view; Fig. 2 is a side elevation; and Fig. 3 is a longitudinal section thereof.

The staple is designated by the numeral 4 and has its tines or prongs tapered, bowed and diverging away from the bend. The tines are of a suitable length according to the use to which the staple is put, or according to the hardness of the post or other object into which they are to be driven. From the bend of this staple, a relatively long shank 5 projects outwardly, and is of a diameter greater than the diameter of the staple, so as to withstand the force of a driving implement, such as a hammer or the like. The shank 5 is also sufficiently long to be readily held by the fingers and grasped by a claw hammer and has a circular head 6 attached centrally at its free end for the engagement of a claw hammer in order to readily and conveniently extract the staple from the post or other object into which it has been driven. The outer and inner faces of the head 6 are convexed in order that a claw hammer may be engaged to the inner face of the head at any angular position about the staple and in order that the staple may be driven conveniently by a hammer without the direct blow of the hammer against the outer face of the head. The center of curvature of the outer face of the

head lies in the bend of the staple so that when the head of the hammer strikes the head 6 off center, the force will be properly transmitted to the bend of the staple, or approximately on a radial line. In this manner, the tendency for the staple to be distorted or bent will be greatly reduced if not entirely eliminated, and further, it will be noted that when the hammer head strikes the head 6 to one side or the other of the center, the line of force passing through the center of curvature of the outer face of the head 6 will intersect the tip or end of one of the tines.

A staple constructed in accordance with the present invention may be readily driven into a post or other object, for securing a fence wire or other part in position against the post, by the application of force against the head 6, such as by striking the head with a hammer, and the staple may be readily extracted from the post by engaging the shank 5 and the head 6 with a claw hammer and swinging the hammer, as will be understood.

Having thus described the invention, what is claimed as new is:—

A staple having its tines bowed, tapered and diverging away from its bend, a relatively long shank projecting from the bend of the staple and designed to be held by the fingers and grasped by a claw hammer, and a circular head attached centrally to the end of the shank and having its outer and inner faces convexed, the center of curvature of the outer face lying in the bend of the staple.

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

DANIEL CAMERON.

Witnesses:

J. A. CRISP,
A. BUTLER.