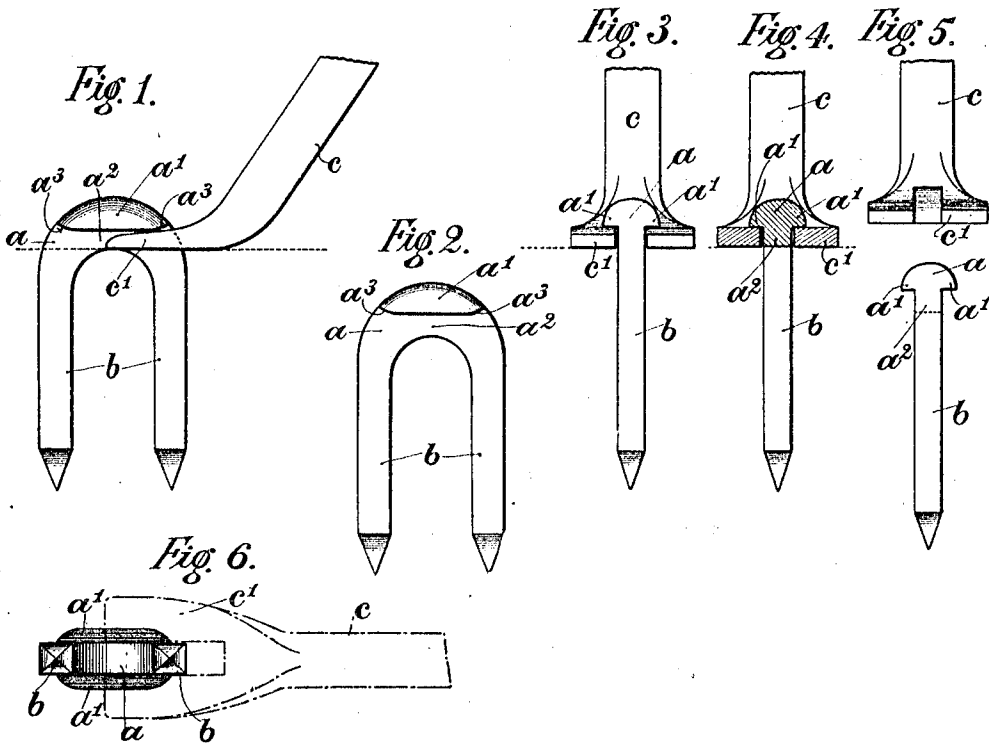


A. I. MUNTZ.
STAPLE.
APPLICATION FILED MAR. 7, 1911.

1,035,032.

Patented Aug. 6, 1912.



WITNESSES.

[Signatures of witnesses]

INVENTOR. *Albert I. Muntz.*

by *Amos L. Norris*
[Signature]

UNITED STATES PATENT OFFICE.

ALBERT IRVING MUNTZ, OF STYPE GRANGE, ENGLAND.

STAPLE.

1,035,032.

Specification of Letters Patent.

Patented Aug. 6, 1912.

Application filed March 7, 1911. Serial No. 612,759.

To all whom it may concern:

Be it known that I, ALBERT IRVING MUNTZ, a subject of the King of Great Britain, residing at Stype Grange, Hungerford, England, have invented certain new and useful Improvements in Staples, of which the following is a specification.

The object of the present invention is to provide an improved staple which can, when required, be easily withdrawn from the wood or other material into which it has been driven.

According to the said invention the improved staple is provided, upon opposite sides or ends of the arched head or return end, with projecting ledges, beneath which the claw or forked end of a lever or other extracting tool can be engaged for the purpose of prizing the said staple out of the wood or the like into which it has been driven.

Figure 1 of the accompanying drawings represents the improved staple in elevation, showing a forked extracting lever engaged with the ledges of the head for the purpose of withdrawing the staple. Fig. 2 shows the said staple separately. Fig. 3 is an edge view, illustrating how the forked end of the lever engages below the ledges of the head. Fig. 4 is a vertical section through the said head and extracting lever. Fig. 5 shows edge views of the staple and lever when disengaged. Fig. 6 is an underside plan of the staple.

Referring to the drawing the staple, which may be made by casting, stamping, or otherwise, is of substantially the ordinary U-shape, but the outer end or head *a*, above the space inclosed by the sides *b*, is provided, upon opposite sides, with overhanging projecting ledges *a'*, which extend across the uppermost part of the staple from side to side, and form, with the inner part *a''* of the head, right-angled shoulders adapted to be engaged by the claw or forked end *c* of the extracting lever *c* or other suitable im-

plement. When the staple is driven into the wood the undersides of the overhanging ledges *a'* are separated from the wire which the staple grips by clearance spaces corresponding to the depth of the inner part *a''* of the head, and when it is desired to remove the said staple the end *c* of the lever *c* is engaged with the head as shown in Figs. 1, 3, and 4, so that the claws pass one on each side of the part *a''* and respectively engage beneath the corresponding ledge *a'*. The staple can then be easily drawn after the manner of a headed nail, although there are no outwardly projecting angles which might injure live-stock.

Preferably, in order to facilitate the insertion of the claw end of the lever, the projections *a'* are cut-away or beveled at opposite ends, as indicated at *a'''*.

Having fully described my invention, what I desire to claim and secure by Letters Patent is:—

A headless U-shaped staple for fence wires having its arched connecting portion formed upon the opposite side faces thereof with longitudinal ledges whose upper and side faces are convexed and constitute continuations of the convex upper face of said arched portion, and whose flat under faces are disposed at right angles to the aforesaid side faces of said arched portion and are remote from the lower edge of said arched portion to produce clearance spaces between the wire and the said under faces, into which spaces the prongs of a forked extracting implement may be inserted, said ledges being disposed wholly within the U-outline of the staple.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ALBERT IRVING MUNTZ.

Witnesses:

HENRY SKERRETT,
HENRY NORTON SKERRETT.