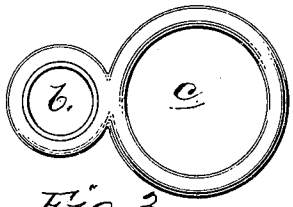
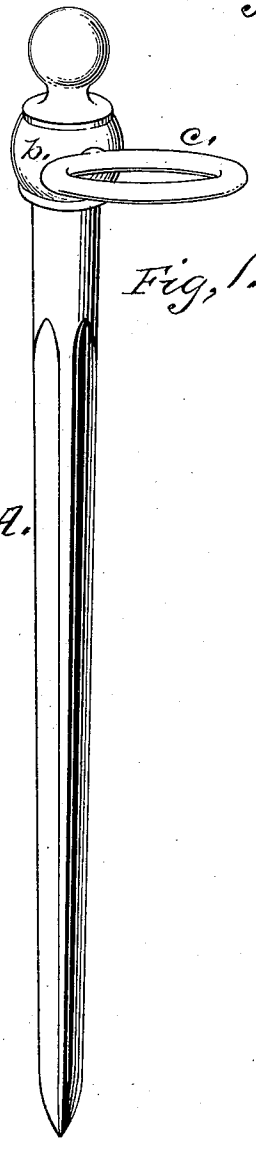
W. J. CARNES, Sr., & C. W. PENFIELD.

Stake-Pin.

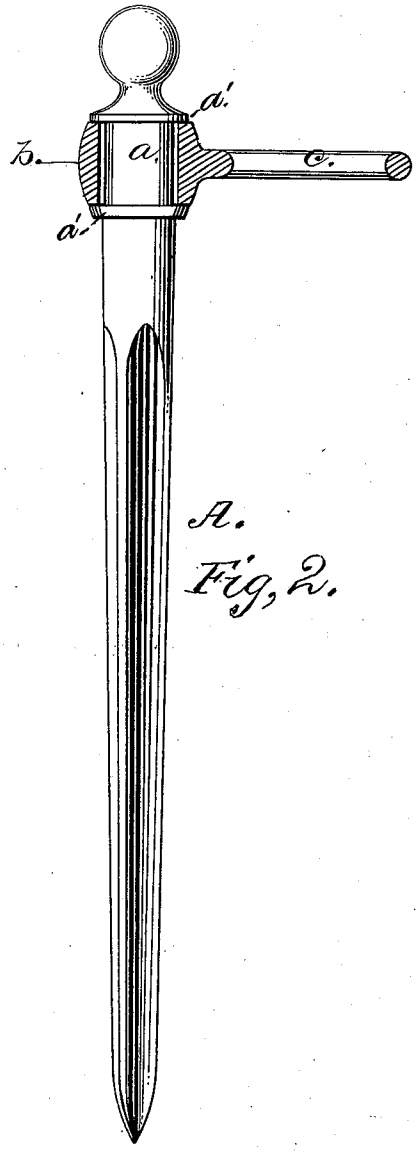
No. 227,675. Patented May 18, 1880.



Fig, 3.



Fig, 1.



Fig, 2.

WITNESSES

Villette Anderson.

Francis J. Masi.

INVENTORS

Wm J. Carnes Sr.

Chas. W. Penfield.

by E. W. Anderson

his ATTORNEY

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM J. CARNES, SR., OF GONZALES, TEXAS, AND CHARLES W. PENFIELD, OF NEW BRITAIN, CONNECTICUT.

STAKE-PIN.

SPECIFICATION forming part of Letters Patent No. 227,675, dated May 18, 1880.

Application filed September 17, 1879.

To all whom it may concern:

Be it known that we, WM. J. CARNES, Sr., of Gonzales, county of Gonzales, State of Texas, and CHARLES W. PENFIELD, of New Britain, in the county of Hartford and State of Connecticut, have invented a new and valuable Improvement in Stake-Pins; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my improved stake-pin. Fig. 2 is a side view thereof, partly in section, and Fig. 3 is a detail.

This invention has relation to improvements in stake-pins for picketing horses and attaching the lariat or rope.

The nature of the invention consists in the construction and novel arrangement of a stake-pin composed of a prismatic drive-spike having at its upper end an annular recess without obstruction, and seated in said recess a ring having an eye, said ring being extended between the shoulders of said recess and in contact therewith, and said shoulders covering the edges of the ring to keep out dirt and prevent the rope from becoming fastened in winding, as hereinafter shown and described.

In the annexed drawings, the letter A designates a vertically-corrugated metallic pin tapering to a point and having a rounded head. Below this head is an annular recess, *a*, provided with shoulders *a'* at its top and bottom, in which rotates, in a plane at right angles to the length of the pin, a ring, *b*. This ring has an eye, *c*, for the attachment of the end of the lariat or rope, and it is cast on the pin in the following manner:

The ring and eye are cast separate from the pin, and, when cast, the inner surface of the former is coated with a mixture of fine sand and oil or shellac. A pattern of the pin and ring together, solid, is then molded and withdrawn from the flask and a ring and eye laid in the impression made by the ring and eye of the pattern. Melted metal is now poured into the mold and the stake-pin cast complete.

In this way the ring and eye can be made so as to rotate freely on the pin, the coating of sand having prevented the adherence thereof, and when the pin is in the ground the lariat or rope cannot be wound around it; consequently the tether cannot be shortened, and the animal may graze over the whole surface included within a circle described, with the lariat as a radius.

We are aware that a drive-spike of prismatic form is not new, and that it is not new to cast a notched ring about a shouldered screw having a lug on the shoulder, and we do not claim such invention; but

What we claim as new, and desire to secure by Letters Patent, is—

The stake-pin herein described, consisting of the prismatic drive-spike A, having at its upper end an annular recess without obstruction, and seated in said recess the ring *b*, having the eye *c*, said ring being extended between the shoulders of said recess and in contact therewith, and said shoulders covering the edges of the ring to keep out dirt and prevent the rope from becoming fastened in winding, as shown and described.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

WILLIAM J. CARNES, SR.
CHARLES W. PENFIELD.

Witnesses:
H. C. NOBLE,
E. H. KELLEY.