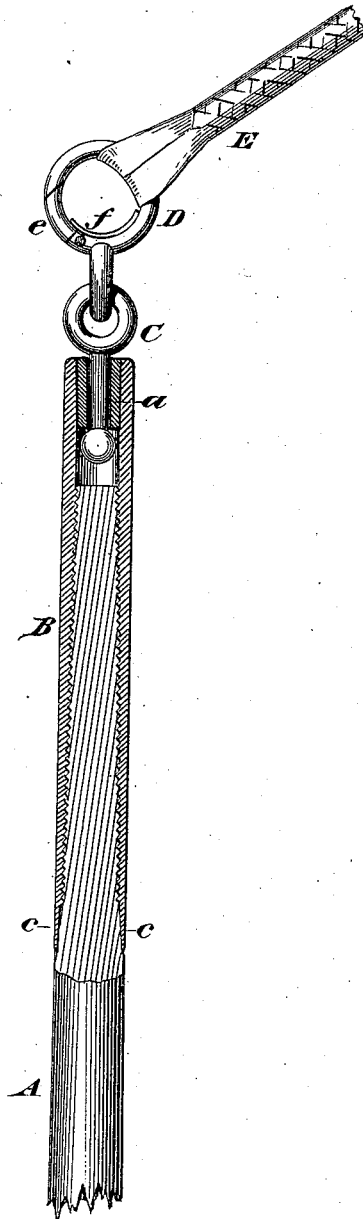


F. HOPKINS.

WHIPS.

No. 193,872.

Patented Aug. 7, 1877.



WITNESSES:

J. H. Scarborough
Edgar Tate

INVENTOR:

F. Hopkins
BY *[Signature]*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANK HOPKINS, OF HELENA, MONTANA TERRITORY.

IMPROVEMENT IN WHIPS.

Specification forming part of Letters Patent No. **193,872**, dated August 7, 1877; application filed June 18, 1877.

To all whom it may concern :

Be it known that I, FRANK HOPKINS, of Helena, in the county of Lewis and Clarke and Territory of Montana, have invented a new and Improved Whip, of which the following is a specification:

This invention has relation to whips; and the nature of my invention and improvement consists, mainly, in a snap-ring linked to a swivel, which is applied to a ferrule on the end of the whip-stock, as will be hereinafter explained.

In the annexed drawing, the figure is a view, partly in section, showing my improved mode of applying a whip-lash to the handle or staff.

The letter A designates a whip staff or handle, on which is screwed a ferrule, B, having a short tube, *a*, rigidly secured into one end, so as to form a shoulder for the spherical head of a swivel, C.

In practice I shall construct the ferrule so that a portion of it, without screw-threads, will extend over the staff, as indicated at *c*.

The swivel C consists of a spherical head, a cylindrical spindle or stem, and a ring or link, as shown.

D designates a snap-ring, which is linked to the swivel C, and designed to receive the loop of the whip-lash E. This ring I construct with a pivoted section or tongue, *e*, held shut by a spring, *f*, thus allowing the lash to be quickly applied to, or detached from, the ring.

It will be observed that the swivel and snap-ring afford a safe and durable attachment for the whip-lash, and allow perfect freedom of motion thereto.

In practice I shall construct the ferrule B of one piece, with a shoulder for the ball of the swivel C.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with a whip-stock, of the end ferrule, provided with a socket at its outer end, a swivel held in the socket, and a snap-ring linked to the swivel for holding the lash, all arranged and constructed substantially as shown and described.

FRANK HOPKINS.

Witnesses:

ROBT. C. WALLACE,
CHARLES KLANE.