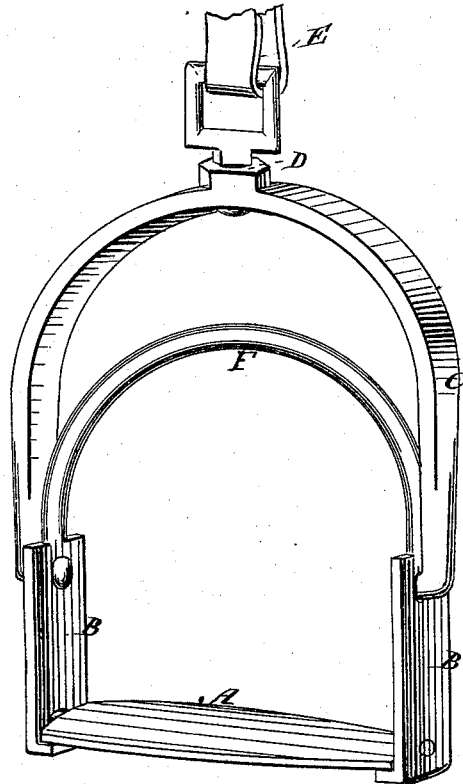


J. B. WAGGONER.

Stirrup.

No. 163,120.

Patented May 11, 1875.



WITNESSES:

E. Wolff
A. J. Servy

INVENTOR:

Joseph B. Waggoner

BY

Munnell

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSEPH B. WAGGONER, OF ATHENS, ILLINOIS.

IMPROVEMENT IN STIRRUPS.

Specification forming part of Letters Patent No. 163,120, dated May 11, 1875; application filed March 20, 1875.

To all whom it may concern:

Be it known that I, JOSEPH B. WAGGONER, of Athens, Menard county, Illinois, have invented a new and Improved Stirrup, of which the following is a specification:

The invention will first be fully described and then pointed out in the claim.

The drawing is a perspective view of my improved stirrup.

A is the bottom, which turns horizontally on its ends in the yoke B, which is pivoted, at the middle of its height, or thereabout, to the suspending-yoke C, which is swiveled at D to the suspending-strap E, so that it can turn in a vertical axis. The combined movements thus afforded cause the stirrup to adjust itself to the foot, so as to allow it to slip out without the possibility of being caught.

I am aware that stirrups pivoted on the outside or inside of a yoke are not new; but, in these the foot is liable to protrude so far as to prevent extrication, and to defeat the object of this class of stirrups. Hence, I have applied the bow or guard F, which limits the protrusion of the foot.

What I claim is—

As a new article of manufacture, a stirrup consisting of the foot-piece A B, having bow or guard F, the whole pivoted in yoke C, as shown and described.

JOSEPH B. WAGGONER.

Witnesses:

A. B. HALL,
CORYDON CLARK.