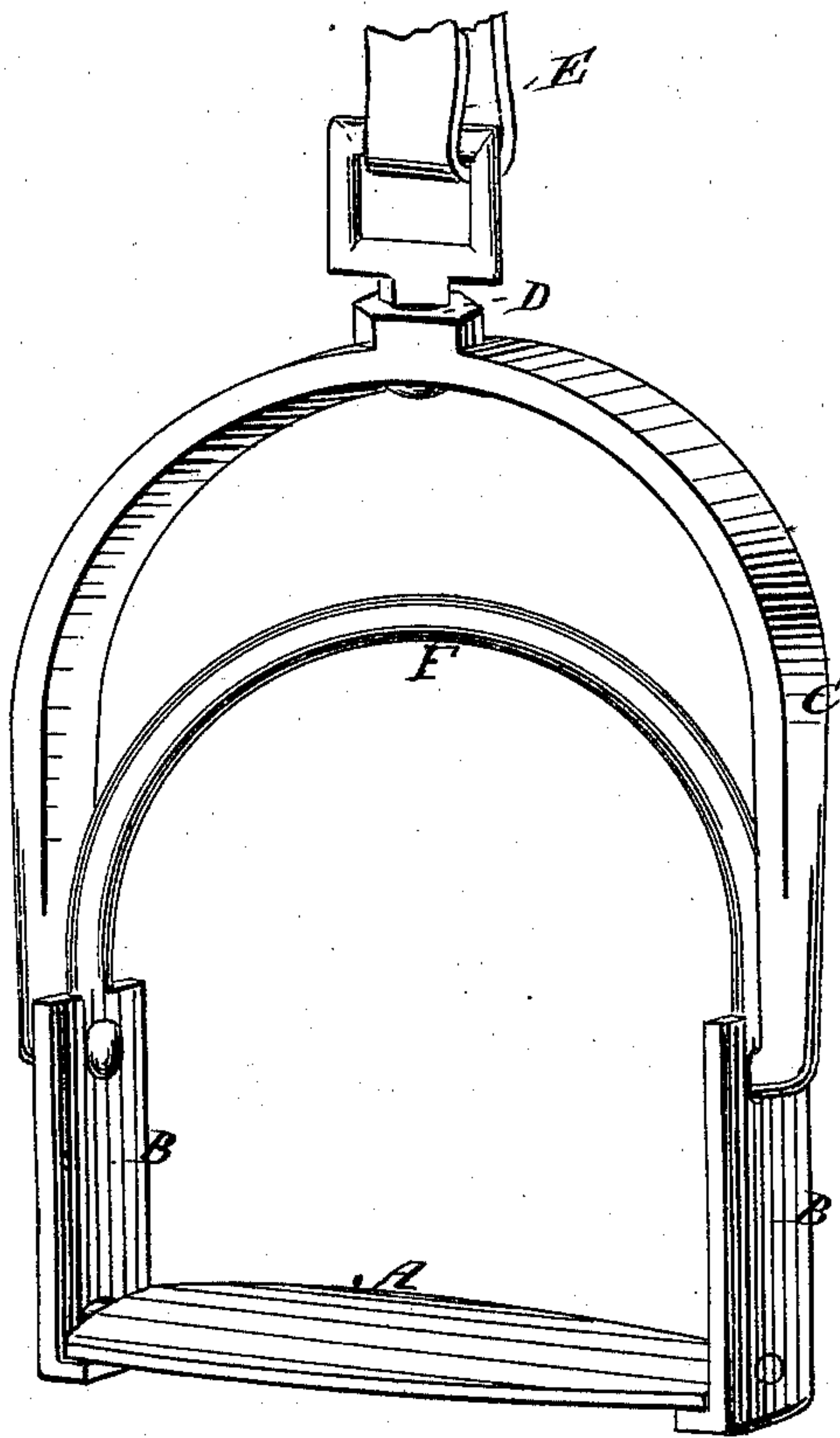


J. B. WAGGONER.

Stirrup.

No. 163,120.

Patented May 11, 1875.



WITNESSES:

E. Wolff
A. J. Terry

INVENTOR:

Joseph B. Waggoner

BY

Munn & Co.

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.