

(Model.)

J. C. WAEHLTE.  
SAFETY STIRRUP.

No. 250,466.

Patented Dec. 6, 1881.

Fig. 1.

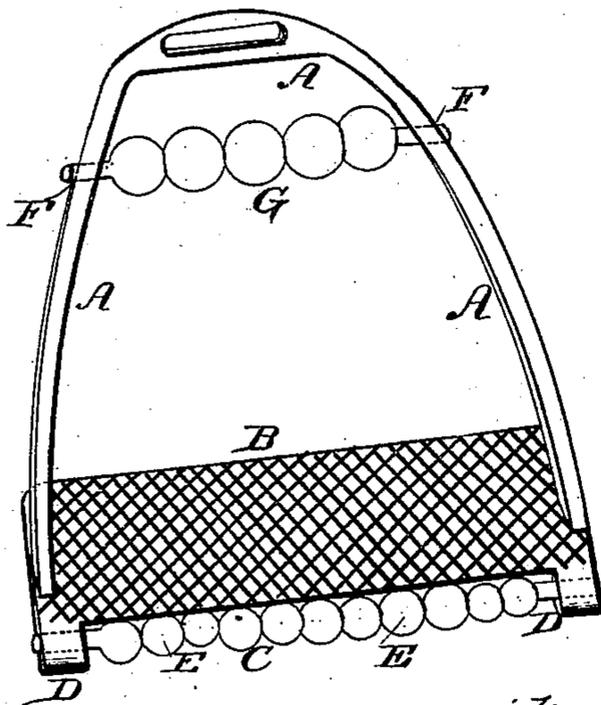


Fig. 2.

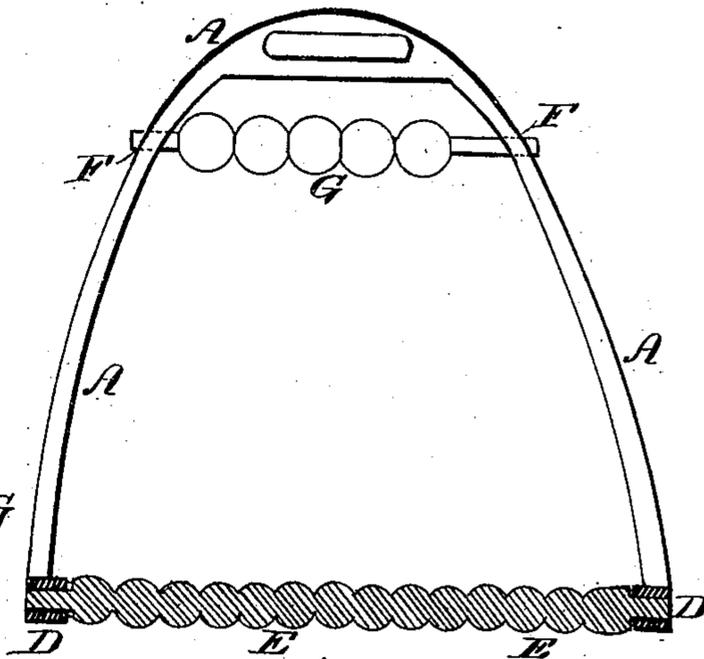


Fig. 3.

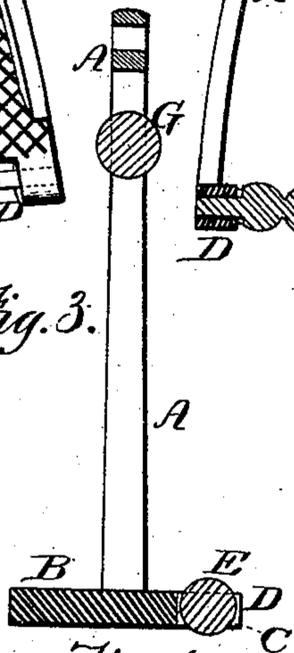
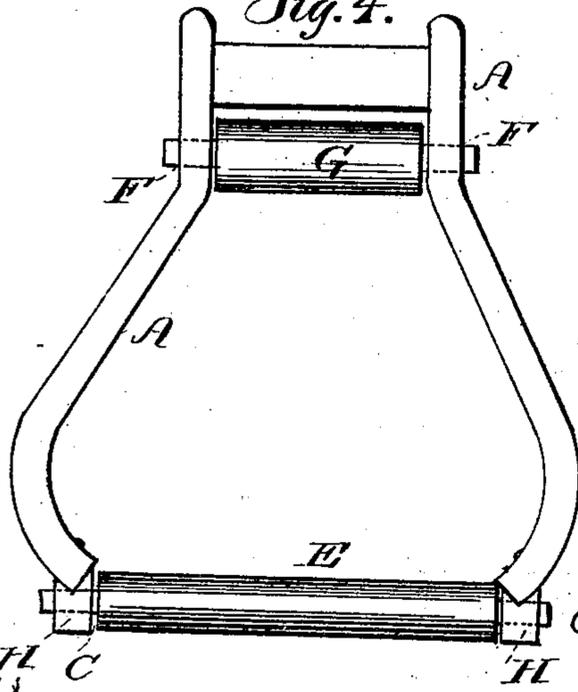


Fig. 4.



WITNESSES

*J. R. Little*  
*James A. Little*

INVENTOR

*J. C. Waehlte*  
by *C. Brown & Co.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOHN CHARLES WAEHLTE, OF SACRAMENTO CITY, CALIFORNIA.

## SAFETY-STIRRUP.

SPECIFICATION forming part of Letters Patent No. 250,466, dated December 6, 1881.

Application filed April 19, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, J. CHARLES WAEHLTE, of Sacramento City, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Safety-Stirrups; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of my improvement as applied to an iron stirrup. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a vertical cross-section, and Fig. 4 is a view showing the application of my invention to a wooden stirrup.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to so-called "safety-stirrups;" and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the body or bail of the stirrup, and B the foot-plate. The latter is provided at one side with a recess, C, forming arms D D, between which is pivoted a roller, E. The bail is provided near its upper end with openings F F, forming bearings for the ends of another roller, G. The rollers E and G are beaded or corrugated, as shown, or they may be replaced by beads or sectional rollers adjusted upon suitable shafts, without changing the nature of my invention.

The operation of my invention will be read-

ily understood. The stirrup is used in the ordinary manner. If the rider should be thrown, his foot will naturally press upon the roller E, while his toes are thrown upward against the roller G, which will revolve, thus causing the foot to slip out of the stirrup and enabling the rider to escape the danger of being dragged.

When my invention is applied to wooden stirrups I prefer to provide metallic brackets or hangers H H at the ends of recess C for the roller E, as represented in Fig. 4 of the drawings.

This invention is simple and effective, and my improved safety-stirrup may be manufactured at a cost but slightly exceeding that of the stirrups now in common use.

I am aware of the patents to Gould, August 1, 1865, and Williamson, October 9, 1860, and I claim nothing therein shown.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in safety-stirrups, the combination, with the foot-plate B, provided at its rear end with longitudinal recess C, forming arms D D at each end, of a corrugated or beaded roller, E, turning in the recess C upon bearings in the arms D D, all arranged and operating substantially as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN CHARLES WAEHLTE.

Witnesses:

PETER BOHL,

FRANK G. WATERHOUSE.