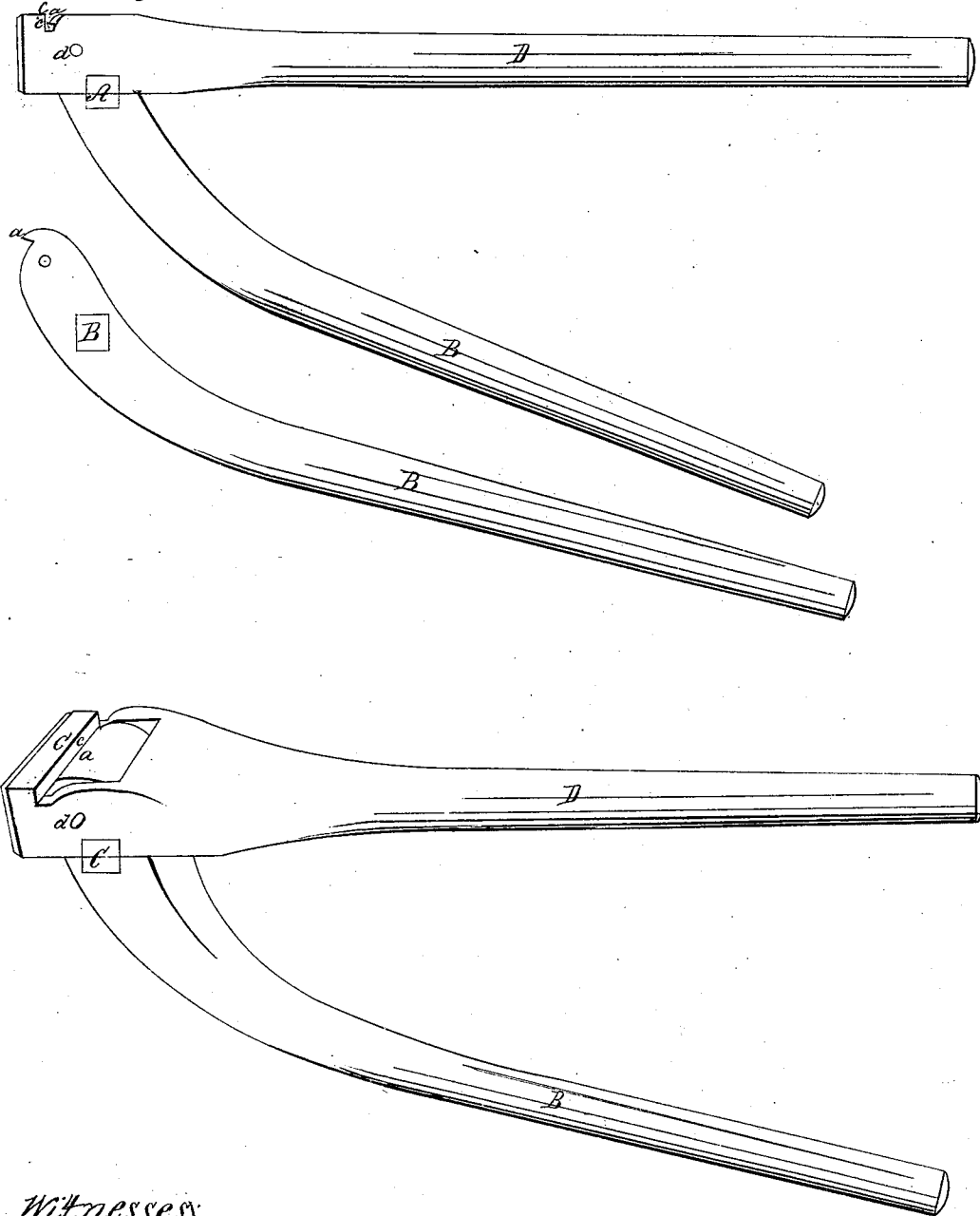


R. Crocker,

Horseshoe-Calk Sharpener.

N^o 79,319.

Patented June 30, 1868.



*Witnesses,
G. Knipper
C. C. Carlton*

*Inventor,
Richard Crocker*

United States Patent Office.

RICHARD CROCKER, OF MARSHALLTOWN, IOWA.

Letters Patent No. 79,819, dated June 30, 1868.

IMPROVEMENT IN HORSE-SHOE-CALK SHARPENERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, RICHARD CROCKER, of Marshalltown, in the county of Marshall, in the State of Iowa, have invented a new and useful Instrument or Machine for Shaving or Sharpening the Calks upon the Shoes of Horses, Mules, and Cattle, while the shoe remains fastened or nailed to the hoof of the animal; and I do hereby declare that the following is a full, clear, and explicit description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Letter A is a side view of the instrument.

Letter B is a side view of the lever.

Letter C is a quartering view of the instrument, as seen when it is inclined towards the observer at an angle of about forty-five degrees.

Letter D is a side view of the frame in which the lever works.

Letter *a* represents the knife or chisel.

Letter *b* represents the bed-plate or block upon which the foot of the animal rests or is placed when the calks are being sharpened.

Letter *c* represents the plate or surface against which the side of the calk opposite the side being sharpened is pressed or rests while the sharpening process is being carried on.

Letter *d* represents the fulcrum to the lever, serving at the same time as a pin to hold the frame and lever in place.

Construction.

The materials of which the instrument is constructed are steel and iron.

Operation.

The instrument is operated in the following manner: Moving the lever B up and down gives an exactly opposite or "down-and-up" motion to the chisel or knife, by which a thin shaving is cut from the calk of the shoe, the shoe at the time resting upon the block *b*, and the side of the calk not being sharpened pressed against the surface *c*.

Claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

The device consisting of the lever B, provided with the cutting-edge *a*, the lever D provided with the abutment *c* and face *b*, said lever B, with cutting-edge *a*, lever D, with abutment *c* and face *b*, being combined and operating as described, and for the purpose set forth.

RICHARD CROCKER.

Witnesses:

J. S. LAWRENCE,

W. E. SNELLING.