

H. H. KNIGHT.
Stirrup.

No. 212,018.

Patented Feb. 4, 1879.

Fig. 1.

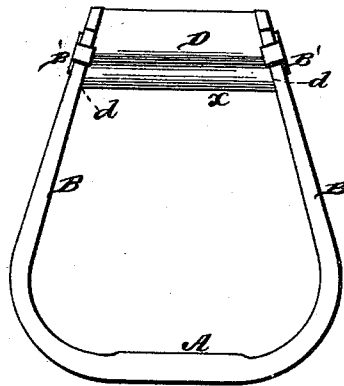
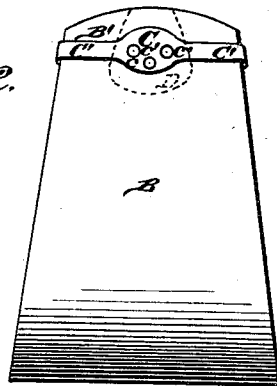


Fig. 2.



WITNESSES

Robert Everett
Geo. E. Updham

INVENTOR.

Henry H. Knight
By *Edw. Smith & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY H. KNIGHT, OF SANDUSKY CITY, OHIO.

IMPROVEMENT IN STIRRUPS.

Specification forming part of Letters Patent No. **212,018**, dated February 4, 1879; application filed December 21, 1878.

To all whom it may concern:

Be it known that I, HENRY H. KNIGHT, of Sandusky City, in the county of Erie and State of Ohio, have invented a new and valuable Improvement in Saddle-Stirrups; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front view of my saddle-stirrup, and Fig. 2 is a side elevation view of the same.

My invention relates to a stirrup for saddles; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth, and be pointed out in the claim.

The invention is designed as an improvement upon the devices patented to me for similar purposes—to wit, No. 198,630, of December 25, 1877, No. 189,363, of April 10, 1877, and No. 186,853, of January 30, 1877.

In carrying out my invention I employ a body for the stirrup, of wood, bent as described in the aforesaid patents, except that the upwardly-extending sides proceed in a straight line to their termination, and do not turn outward near their ends to form vertical surfaces for the bearing of the cross-bar. This construction of the sides necessitates a cross-bar having the ends beveled off to correspond with the incline of the sides, to which it is bolted by one or more bolts or rivets, which pass through the entire length of the cross-bar.

Referring to the drawings, A represents the base, and B B the sides, of my stirrup. It is formed of one piece of wood, properly bent, and the sides B incline inward from a vertical line, as shown.

B' represents a metal plate having a body or enlarged portion C, perforated at *c* to receive rivets or bolts *c'*, and also having two

outwardly-extending extremities, C' C', the ends of which are adapted to be bent around the edge of the sides B and embrace them firmly, as shown.

D represents the cross-bar, having beveled ends *d*, to correspond with their bearing-surfaces on the inner faces of the sides B. One or more of the rivets, rods *c'*, &c., pass through the sides B and into the cross-bar D. The cross-bar is thus prevented from turning, and it presents a suitable round under surface for the attachment of the stirrup-strap at *x*.

The plate B' C C', &c., may be ornamental, if desired, and the body C of sufficient size and form to accommodate any required number of bolts or the like.

The construction of the device as herein shown and described I find important and valuable in practice, doing away as it does with the bending of the ends, as shown in my former patents named. It is cheaper and more easily constructed, and serves an efficient purpose in the art to which it relates when so formed.

The plate formed and applied as described and shown serves to prevent the wood from splitting, cracking, &c.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

The improved stirrup herein described, consisting of the body A, having sides B B, bent as shown, rivet-plate B', having body C *c* and arms C', applied to said sides B, and the cross-bar D, having beveled ends *d*, the whole secured together by the rivets *c'*, or other suitable securing means, as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY H. KNIGHT.

Witnesses:

J. E. MATHEWS,
W. R. KOEGELE.