

(No Model.)

T. COADY.

STIRRUP.

No. 382,690.

Patented May 15, 1888.

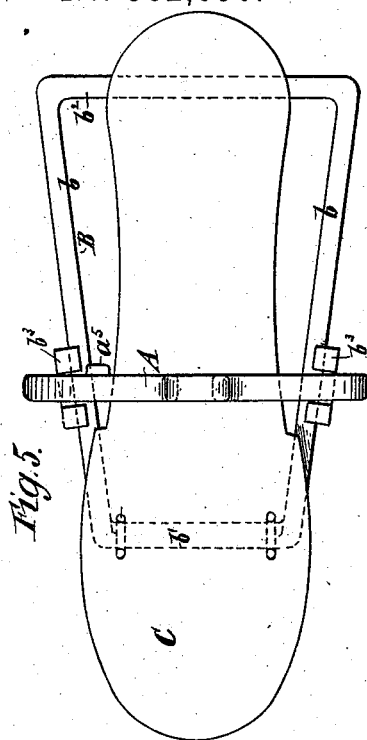


Fig. 5.

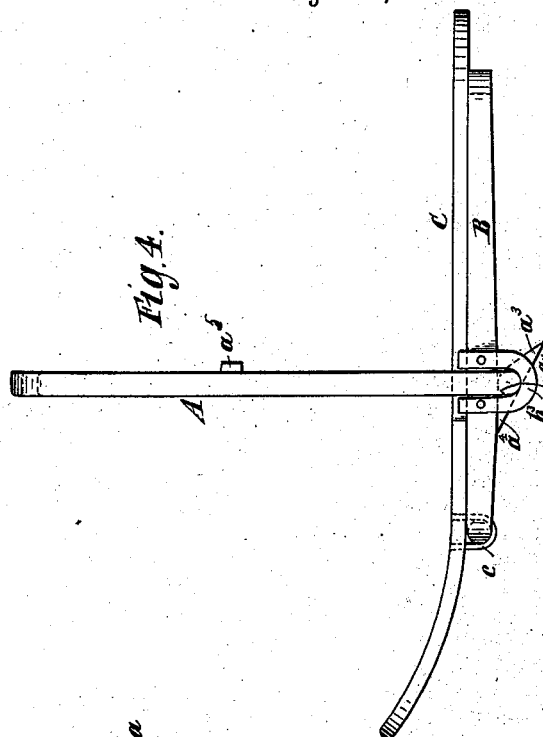


Fig. 4.

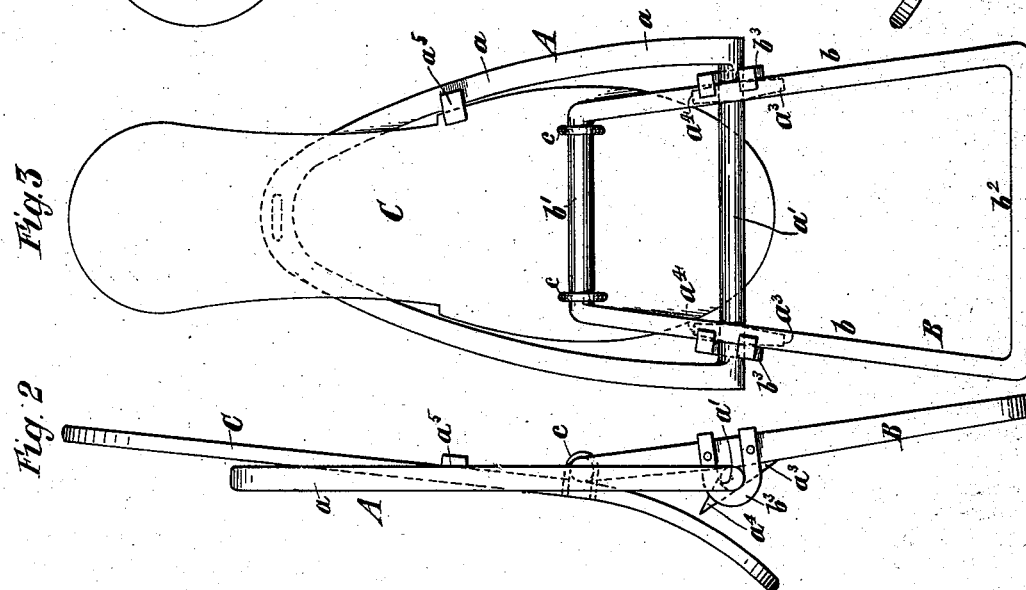


Fig. 3.

Fig. 2.

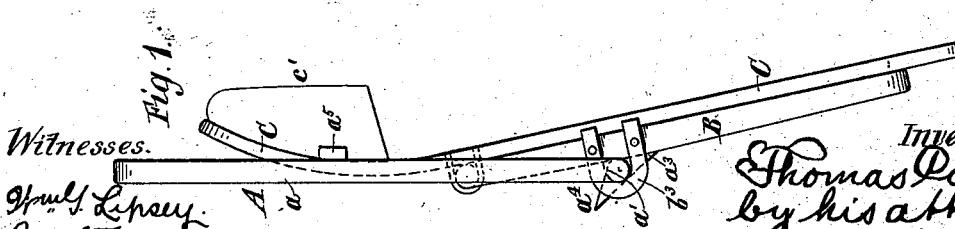


Fig. 1.

Witnesses.

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STIRRUP.

SPECIFICATION forming part of Letters Patent No. 382,690, dated May 15, 1888.

Application filed October 5, 1885. Renewed November 25, 1887. Serial No. 356,092. (No model.)

To all whom it may concern:

Be it known that I, THOMAS COADY, of New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Stirrups, of which the following is a specification.

The object of my improvement is to provide a stirrup which will afford facility for mounting a horse, which will afford a secure foothold during riding, and which will withal release the foot of the rider in case of accident.

I will describe a stirrup embodying my improvement, and then point out the various features in the claims.

In the accompanying drawings, Figure 1 is a side or edge view of a stirrup embodying my improvement as it appears when out of use. Fig. 2 is a side or edge view of the stirrup in condition for mounting a horse. Fig. 3 is a back view of the stirrup when it is in condition for mounting. Fig. 4 is a side view of the stirrup in the condition it assumes while in use. Fig. 5 is a plan or top view of the stirrup in the same condition as it is shown in Fig. 4.

Similar letters of reference designate corresponding parts in all the figures.

A designates the hanger or main frame of the stirrup. It consists of a bow-shaped part, *a*, provided with an eye or slot for receiving the supporting-strap, and a cross-bar, *a'*, below the bow-shaped portion. This hanger or frame may advantageously be made of metal in a single piece.

B designates a frame, which can be best made of a single piece of metal. It is hinged to the hanger or main frame A. As shown, it consists of two bar-like portions, *b*, extending transversely to the bar *a'* of the hanger or main frame A and converging slightly as they extend forward, and two intermediate connecting bar-like portions, *b'* *b''*, extending parallel with the bar *a'* of the hanger or main frame A. The frame B, as shown, is arranged so that when the stirrup is in condition for use in riding, as it is illustrated in Figs. 4 and 5, it will be above the bar *a'* of the hanger or main frame A. It is pivoted or hinged to the hanger or main frame A by eyes *b³*, extending from it around the bar *a'* of the hanger or main frame A. The eyes *b³* may be secured in place by screws or other suitable means. The frame

B has a greater extension beyond the bar *a'* of the hanger or main frame A, in a direction which will be rearward when the stirrup is in a condition for use in riding, as illustrated in Figs. 4 and 5, than in a reverse direction. Consequently this frame B has a tendency to swing into an approximately vertical position. When it occupies such a position, it extends considerably below the hanger or main frame A, as may be seen upon reference to Figs. 1, 2, and 3. While in this position, the frame B rests against lugs *a²*, extending from the bar *a'* of the hanger or main frame A. When the frame B is in the position it occupies when the stirrup is used in riding, as shown in Figs. 4 and 5, it is precluded from tilting downward at the forward end by lugs *a⁴*, extending from the bar *a'* of the hanger or main frame A.

C designates a foot-piece, shown as made in the form of a plate, shaped somewhat like the sole of a shoe, and bent at the toe portion to conform to the usual bend in the sole of a shoe. It may be made of wood, metal, or other appropriate material. It can advantageously be faced with leather or india-rubber, or be roughened on the face to keep it from slipping relatively to a rider's foot. It can have a toe-piece, *c'*, if desirable. The foot-piece is pivotally connected by eyes *c*, extending from it to the bar-like portion *b'* of the frame B. It rests against the bar-like portion *b''* of the frame B. When the frame B hangs downwardly, the foot-piece also hangs down, lying against the frame B.

To facilitate mounting, the heel end of the foot-piece is swung upward, and then the frame B will hang downward, as shown in Figs. 2 and 3. The foot-piece can be supported in this position by a lug, *a⁵*, on the hanger or main frame A. The frame B now extends considerably below the hanger or main frame; hence its bar-like portion *b''* can be more easily reached for mounting than the bar *a'* of the hanger or main frame. Mounting is to this extent facilitated. After a rider has mounted by the aid of the frame B, he can lower the foot-piece by kicking it near the toe portion. Then he can place his foot upon the foot-piece and use it in the position shown in Figs. 4 and 5. As the frame B and foot-piece C will hang downward in the

position in which they are illustrated in Fig. 1 during the time that the stirrup is not in use, the stirrup will not be unsightly or apt to injure a horse in case of his falling on the stirrup.

In case of accident, the swinging of the foot-piece relatively to the hanger or main frame, or of the latter relatively to the foot-piece, will occur and release the rider's foot.

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

1. In the stirrup herein described, the combination of a hanger or main frame and an open frame hinged or pivotally connected to the former and adapted to hang down below it, substantially as specified.

2. In a stirrup, the combination of the hanger or main frame A, the frame B, hinged or pivotally connected thereto, and the lugs a^3 a^4 on the hanger or main frame, substantially as specified.

3. In the stirrup herein described, the combination of a hanger or main frame, a secondary frame hinged or pivotally connected thereto, and a foot-piece hinged or pivotally connected to the secondary frame, substantially as specified.

4. In a stirrup, the combination of a hanger or main frame, A, a secondary frame, B, hinged or pivotally connected thereto, and a foot-piece, C, hinged or pivotally connected to the frame B, substantially as specified.

5. In a stirrup, the combination of a hanger or main frame, A, provided with a lug, a^5 , a secondary frame, B, hinged or pivotally connected to the hanger or main frame A, and a foot-piece, C, hinged or pivotally connected to the frame B, substantially as specified.

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Witnesses:

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