J. Bangs' Impd Cleat.

74789

PATENTED

FEB 25 1868

Fig. 1.

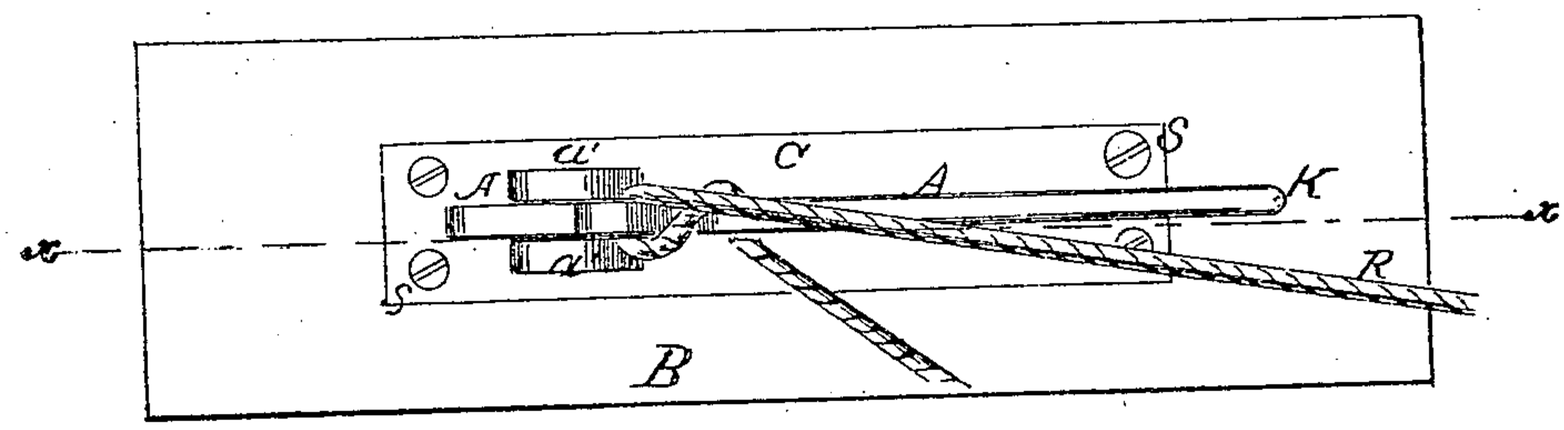
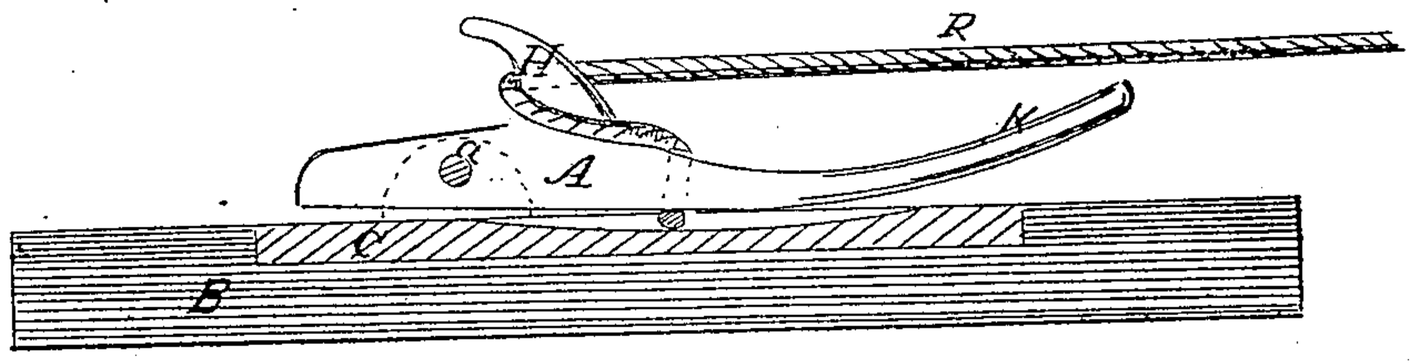


Fig. 2.



Witnesses.

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JONATHAN BANGS, OF SOUTH DENNIS, MASSACHUSETTS.

Letters Patent No. 74,789, *dated February* 25, 1868.

IMPROVEMENT IN BELAYING-CLEATS.

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, JONATHAN BANGS, of South Dennis, in the county of Barnstable, in the State of Massachusetts, have invented a new and improved Cleat; and I do hereby declare that the following is a full and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying plate of drawings, forming part of this specification.

This invention relates to a new and improved method of constructing cleats, by means of which a line is more securely fastened.

It consists of a lever, having on its upper side a hook, into which the line or rope is passed, and is then passed under the handle, so that any draught upon the hook will press down the handle, and thereby bind upon the line. In the accompanying plate of drawings—

Figure 1 represents a plan view of my invention.

Figure 2 represents a vertical sectional view of the same, taken in the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

A is the lever. B is a portion of a deck, or part of the side of a house or post to which the cleat is fastened. C is the plate. *a'* are ears or supports on plate C, between which is pivoted the lever A. *a* is the pivot on which the lever A turns. H is a hook on lever A, through which the rope R is passed. S are screws or bolts to secure the cleat to the deck, or house, or post B. K is the handle by which the lever A is operated. The plate C is made of cast iron, or other suitable metal, having upon its upper side, near one end, and being part of said plate, or rigidly attached to the same, two ears or supports *a'*, between which, and pivoted through said ears or supports *a'*, is the lever A, turning upon the pivot *a*. Said plate C is also provided with a groove, into which the handle K of the lever A rests when the cleat is not in use, and by means of which the rope R is more securely held when passed under the handle K. The lever A is of the ordinary form, and is pivoted, near one end, between the ears or supports *a'* by the pivot *a*, as shown in the drawing, the other end terminating in a handle, K, bent upwards or from the plate C, as shown. Upon the upper side of said lever A, and between the pivot *a* and the handle K, is a hook, H, and being part of said lever or rigidly attached thereto, having its curve or hook towards the pivot *a* in such a way that any draught on said hook H, in the direction of the handle K, will press the handle K upon the plate C, and thereby cause the same to bind upon any rope drawn under said handle K, or between said handle K and said plate C.

The operation is such that by passing any rope or line R through the bend or curve in the hook, and around said hook H, and under the handle K, between said handle K and the plate C, as shown in the drawing, the draught upon the hook H, in the line of the handle K, will force said handle down upon the rope R, forcing said rope into the groove in the plate C, and holding the same firmly, so that said rope R cannot render or slip. By raising the handle K of the lever A, the pressure of the same upon the rope R will be released. Two levers, A, may be secured to the same plate, working in opposite directions, when greater security or convenience is required.

The advantages of cleats constructed as above described are, that they are cheaply constructed, and any rope or line is thereby more securely fastened, and more easily released.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The cleat, constructed as described, consisting of the lever A, having upon its upper side the hook H, and pivoted between the ears *a* of the plate C, all operating as described, whereby the tension of the rope upon the hook H forces the long arm K upon the rope beneath it in the groove of the plate C, securely clamping said rope in position, as herein shown and described.

The above specification of my invention signed by me, this 5th day of October, 1867.

JONATHAN BANGS.

Witnesses:

MILLER W. NICKERSON,

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