

A. Lake.
Cleat Chock.

N^o 70,580.

Patented Nov. 5, 1867.

Fig. 1.

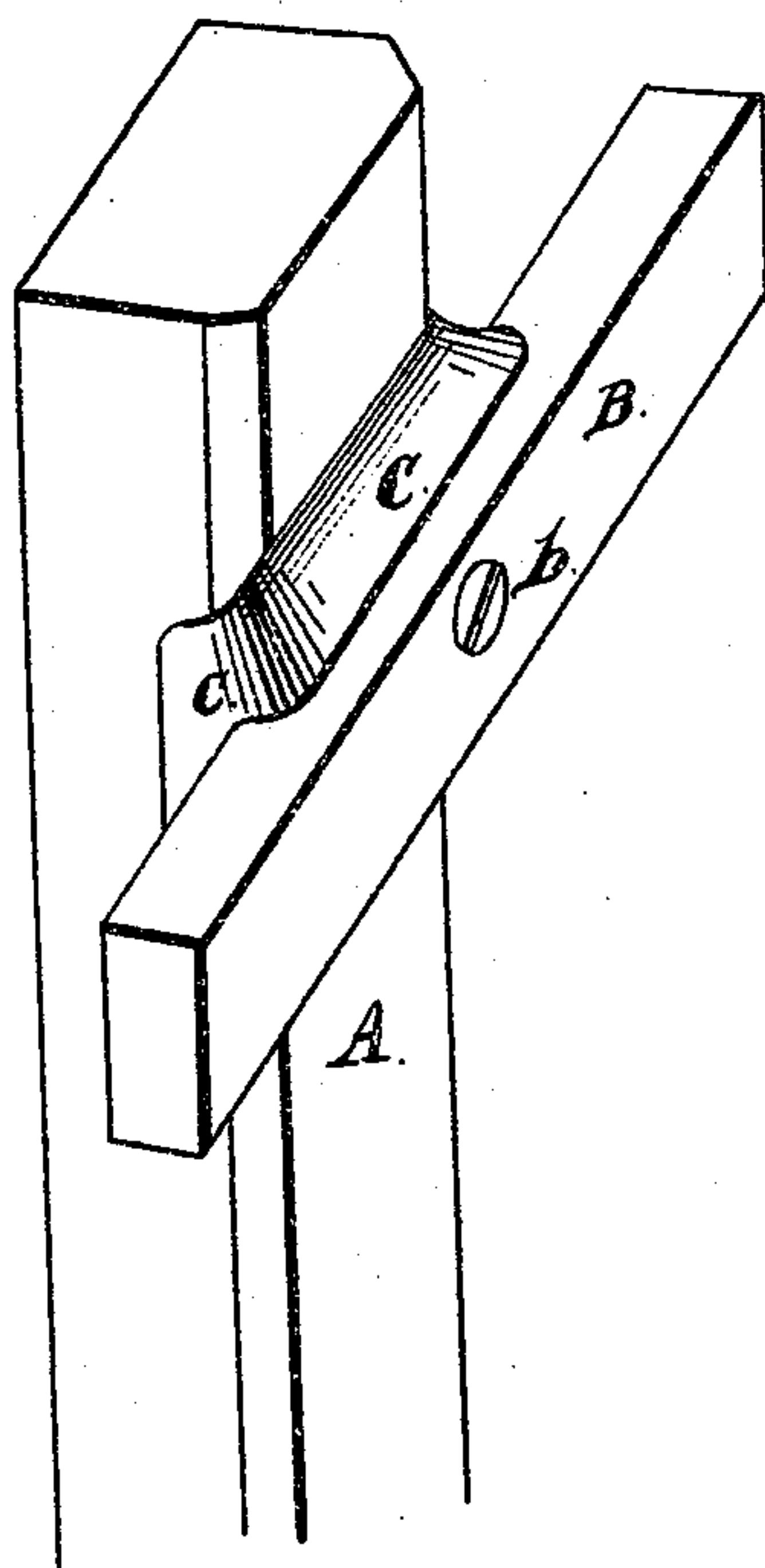
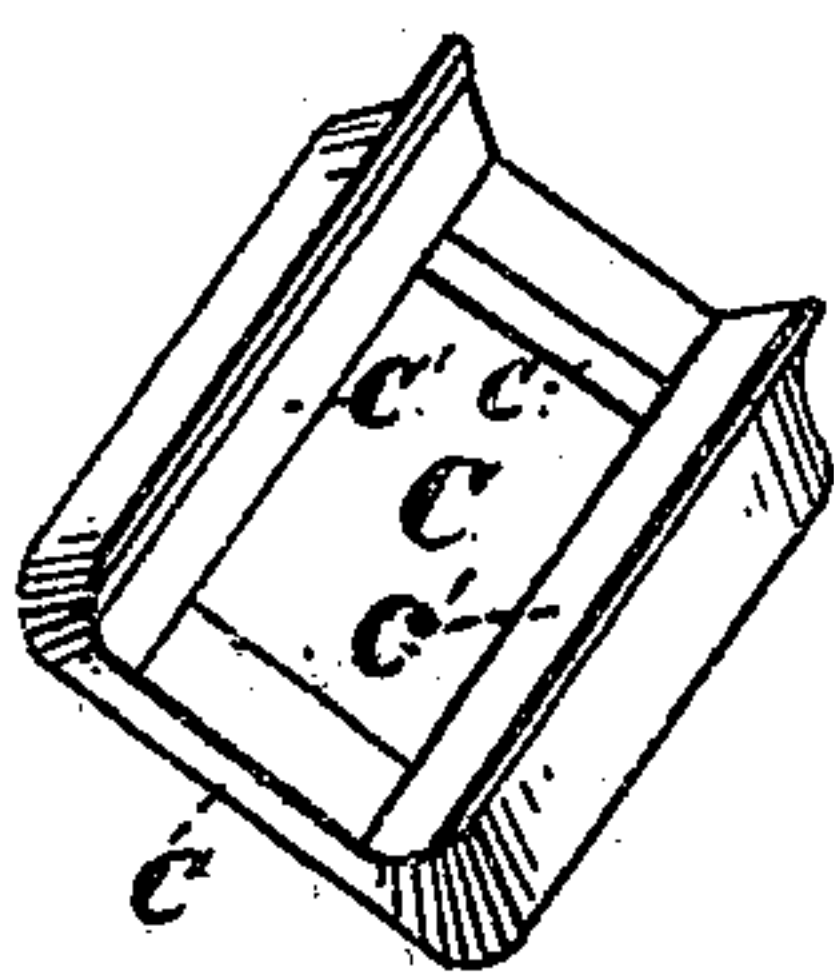


Fig. 2.



Witnesses.
Alex F. Roberts
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United States Patent Office.

AMARIAH LAKE, OF SMITH'S LANDING, NEW JERSEY.

Letters Patent No. 70,580, dated November 5, 1867.

IMPROVED CLEAT-CHOCK.

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, AMARIAH LAKE, of Smith's Landing, in the county of Atlantic, and State of New Jersey, have invented a new and improved Cleat-Chock; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention consists in an improved chock in which the cleat or caul is bedded. The chock, which may be made of wood or metal, (the latter being preferred,) is made in the form of a frame having a bevelled or ground edge, the ends of which are turned down, to clamp the timber or stanchion. The cleat lies in the chock across the timber, and is clamped by the sides of the chock, which are turned up for that purpose. Round the groove or grooved edge of the chock, the sheets, lines, or ropes are belayed upon the cleat in the usual manner. A single bolt or screw holds the cleat to the stanchion, as the strain falls chiefly on the chock, but more than one bolt may be used if desired. In the accompanying drawings—

Figure 1 is a perspective view of my improvement, as applied to the bulwarks or other suitable part of a vessel.

Figure 2 is a detached perspective view of my improved chock.

Similar letters of reference indicate corresponding parts.

A is the post-stanchion, B the cleat attached thereto by bolt *b*, and C is my improved chock, made in the form of a frame, with smooth grooved and rounded exterior corners and edges to receive and hold the ropes and cordage. The chock C is provided at each end with projecting lips *c c*, which fit upon the sides of the stanchion A. The chock is also provided with projecting side lips *c' c'*, between which the cleat is received. In use, the chock is applied to the stanchion, the sides of which are clamped by the ends *c c* of the chock. The cleat B is then secured by means of the bolt *b* to the stanchion, and the lips *c' c'* of the chock clamp the sides of the cleat B. The chock thus serves to strengthen the fastening of the cleat to the stanchion, preventing rope from jamming in between the cleat and stanchion; also by preventing the cleat from being twisted out of place. The surface of the chock also presents to the rope a rounded and smooth surface, which prevents to a great extent the cutting, breaking, and wearing of the ropes and cordage. Although my chock is figured in the drawings in the form of a rectangular frame, when it is desired that the cleat should lie across the stanchion at any angle other than a right angle, the chock can be made accordingly, by inclining the sides which clamp the cleat at any desired angle to the ends.

My improved chock can also be applied to secure rails, joists, timbers, and girders, (of any material in use,) when required to lie across or at any angle to one another, and avoids the weakening occasioned by cutting away material to fit joists, timbers, and girders, as now practised.

Among the objects and advantages of my invention are: The sheets, lines, and ropes, are preserved from wear or jamming between the timbers and cleat. The sheets are more securely held, and cannot turn or split. They and the timbers bearing them are more easily replaced, as the whole work can be finished and then bolted in place. Joists, timbers, and girders are more securely held, and the weakening caused by cutting away material, as now in use, avoided.

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

A cleat-chock, made and employed substantially as herein shown and described.

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

A. LAKE.

Witnesses:

CLAYTON H. LEEDS,
DANIEL INGERSOLL.