C. BROWN.

ADJUSTABLE RIGGING CLAMP.

APPLICATION FILED MAY 16, 1918. RENEWED AUG. 5, 1919.

1,319,562. Patented Oct. 21, 1919.

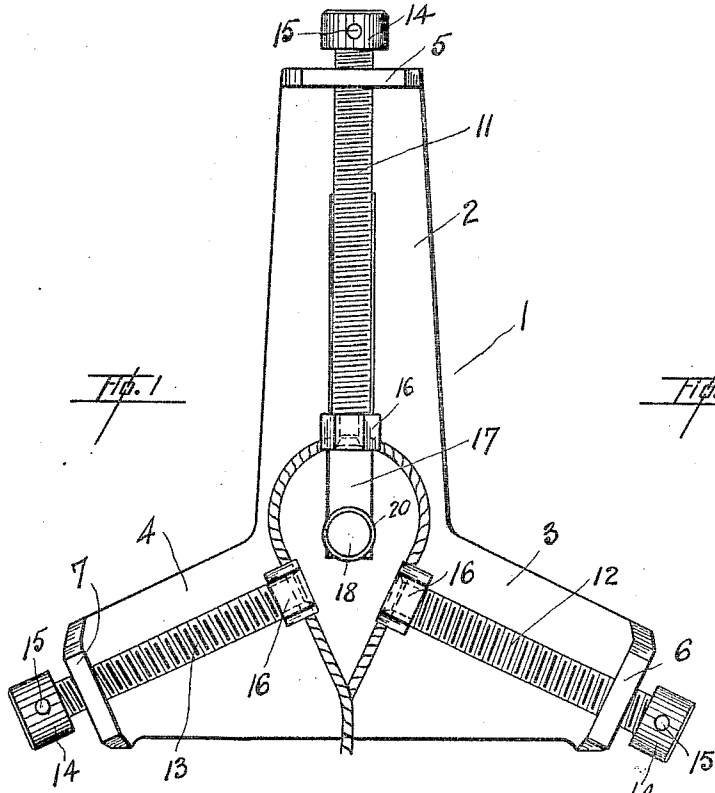


FIG. 1

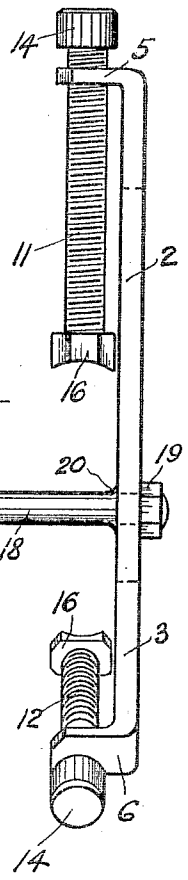


FIG. 2

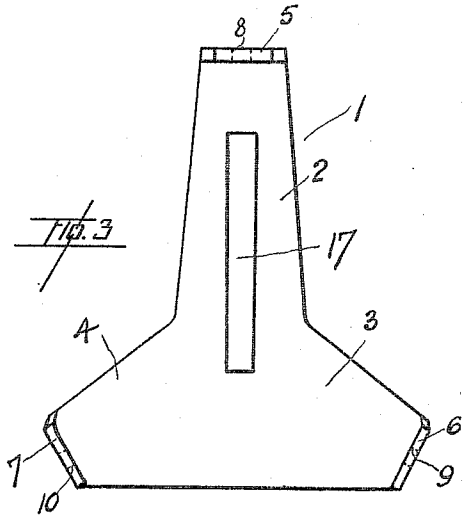


FIG. 3

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ADJUSTABLE RIGGING-CLAMP.

1,319,562. Specification of Letters Patent. Patented Oct. 21, 1919.

Application filed May 16, 1918, Serial No. 234,935. Renewed August 5, 1919. Serial No. 315,569.

To all whom it may concern:

Be it known that I, CHESLEY BROWN, a subject of the King of Great Britain, and a resident of the city of Vancouver, in the Province of British Columbia, Canada, have invented certain new and useful Improvements in Adjustable Rigging-Clamps, of which the following is a specification.

My invention relates to improvements in rigging clamps, and the object of my invention is to provide a device adapted to be used for forming rope ends into eyes or around dead eyes, blocks, thimbles or the like and which enables the splicing of the rope to be effected with great facility and convenience while at the same time holding the rope firmly at points above the splice while the splicing operation is being completed.

I attain this object by the construction illustrated in the accompanying drawings in which—

Figure 1 is a face view of my device, assembled.

Fig. 2 is an edge view.

Fig. 3 is a detail view of the clamp frame.

Similar figures of reference indicate similar parts throughout the several views.

1 indicates generally the clamp frame, which is formed preferably as shown in Figs. 1 and 2, that is, having three radially extending arms 2, 3 and 4, the outer ends of which are turned over at right angles, as indicated at 5, 6 and 7, each of which turned-over ends is provided with a threaded central opening 8. 9 and 10 respectively, as indicated by the dotted lines in Fig. 3, in which openings are disposed respectively correspondingly threaded clamp screws, 11, 12 and 13, these screws being provided on their outer ends with heads 14 having holes 15 therethrough so that they may be rotated by means of a toggle inserted in the hole and having on their inner ends rotatably mounted clamp blocks 16, these blocks being secured to their respective screws by any suitable means but free to rotate thereon. The blocks are formed concave on their inner faces so that they may engage properly on the rope when the device is being used.

17 indicates a vertical slot formed in the arm 2, in which slot is disposed an outstanding pin member 18, which pin is capable of vertical movement in the slot so as to be adjustable as to height for varying sizes of thimbles or the like and is adapted to be secured in any vertically adjusted position by having its end which projects through the slot on the rear side of the frame threaded and provided with a nut 19, the body of the pin being flared outwardly, as indicated at 20 in Fig. 2, to form a collar or flange adapted to bear on the front face of the clamp plate 1.

In use a block formed to the pattern to which the eye is designed to conform and having a hole fitting the pin 18 is placed thereon, or if it is desired to form the eye around a thimble, for instance, the thimble is placed between the blocks 16. The rope is then passed around the block or the thimble, as the case may be, and the clamp screws are then operated to adjust the eye thus formed in position. It will be noted that the side screws are arranged at right angles to the sides of the eye so that the rope is thereby pressed snugly against the thimble or block, and it will also be noted that, as the splice is below and well clear of the lower clamp blocks the operation of splicing is readily and conveniently accomplished.

From the foregoing it will be seen that I have devised a rigging clamp which is not only adjustable to different sizes of eyes and ropes and capable of being operated with great ease and convenience, but which is also adapted, with equal facility, for use in connection with blocks, dead-eyes, thimbles or the like of varying configuration.

What I claim as my invention is:

1. A clamp plate having radially extending arms, a clamp block for each arm adapted to hold the loop in the proper position for splicing, and radial adjustable means carried by said arms for operating said blocks.

2. A clamp plate having radially extending arms, one of which is provided with a slot, a clamp block for each arm, radial adjustable means carried by said arms for operating said blocks, and an outstanding pin member mounted in said slot and adapted for longitudinal adjustment therein.

Dated at Vancouver, B. C., this 27th day of April, 1918.

CHESLEY BROWN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."