D. C. FRALEY.

ROPE CLAMP.

APPLICATION FILED OCT. 31, 1912.

1,065,866. Patented June 24, 1913.

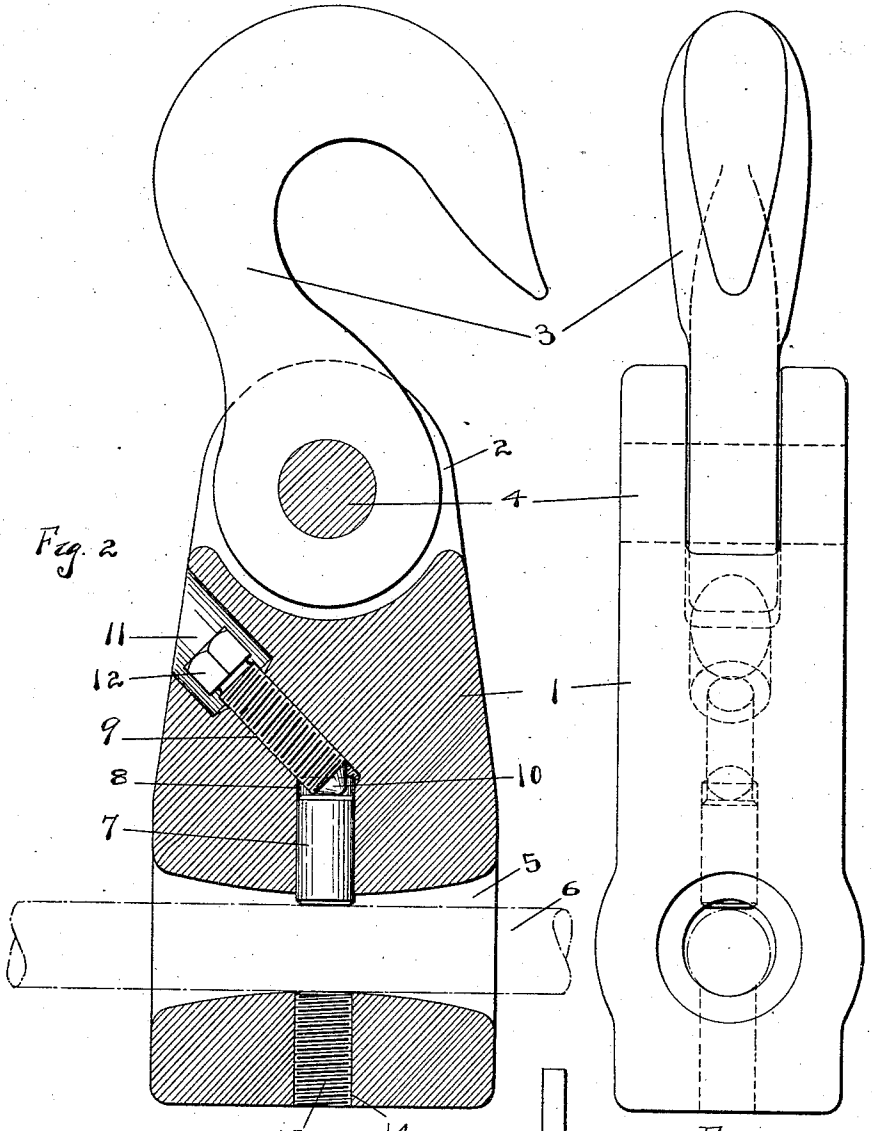

Fig. 2

Fig. 1

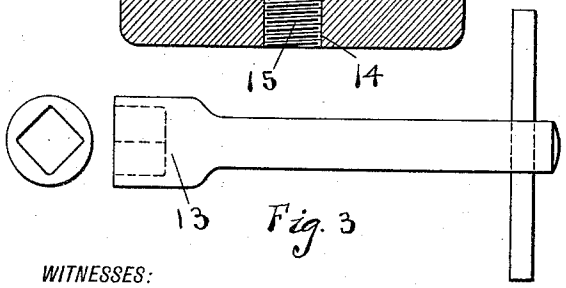

Fig. 3

WITNESSES:

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DALLAS C. FRALEY, OF KALAMA, WASHINGTON.

ROPE-CLAMP.

1,065,866. Specification of Letters Patent. Patented June 24, 1913.

Application filed October 31, 1912. Serial No. 728,859.

To all whom it may concern:

Be it known that I, DALLAS C. FRALEY, a citizen of the United States, residing at Kalama, in the county of Cowlitz and State of Washington, have invented certain new and useful Improvements in Rope-Clamps, of which the following is a specification.

This invention relates to an improvement in rope clamps and has for its object to provide a clamp for securing cables about logs and for similar purposes.

A further object is to construct such a device which is provided with means for locking the cable when in working position, so as to prevent it from releasing its hold.

I accomplish these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is an elevation of the hook showing what may be termed the rear edge view of the supporting block. Fig. 2 is a vertical sectional view of the choker block showing the choker line in place, and the mechanism for locking it. Fig. 3 is a side elevation and an end view of a locking key.

The complete invention will be understood by reference to the drawing in detail, in which the numeral 1 designates the supporting block which is cast in the form desired and worked into proper shape. In the upper portion of the block 1 in the recess 2 is mounted the hook 3 to move freely therein upon the pivot pin 4. In the opposite end of the block is formed a transverse aperture 5, which is enlarged or flared at each end, adapting it to receive the choker cable 6 which reciprocates therein, and in each end of which is formed an eye adapted to engage the hook 3. When one end portion of this cable is passed about a log and the eye engaged in the hook, the power will be applied on the opposite end, and as the cable is drawn taut the plunger 7 loosely secured in the aperture 8, may be forced upon the cable by the screw 9 and thus maintain the grip of the cable when the line is slack, which frequently occurs when operating on rough ground.

The screw 9 is provided with a cone-shaped terminal 10, so that as the screw, which is mounted at an angle with reference to the plunger, is turned down upon the latter, the cone-shaped terminal will act upon the end of the plunger by a sort of cam action. The screw is inlet into the enlarged opening 11, so as to avoid contact with external objects and it is provided with a suitably shaped head to be engaged by the wrench 13, shown in Fig. 3, by means of which it may be operated at will.

The plunger will be let into its seat through the external aperture 14, which is filled by the screw plug 15 to prevent its escape, when the cable is not in place.

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

1. An instrument of the character described comprising a block having an aperture therethrough, a cable movable through the aperture, a plunger loosely mounted in the block adapted to bear upon the cable to prevent relative movement thereof and means operable within the block for locking the plunger upon said cable.

2. An instrument of the character described comprising a block having a divided portion at one end and a transverse aperture flaring each way from its median point, at the other, a cable movable through said aperture, a plunger loosely mounted in an aperture at the center of the block and adapted to bear on the cable, a screw threaded aperture leading at an angle from the exterior of the block to the inner end of said central aperture, a screw threaded drive bolt having a cone-shaped end operable therein and adapted to bear upon said plunger, a pivot bar fixed transversely in said divided portion, and a hook mounted thereon adapted to engage said cable.

In testimony whereof I affix my signature in presence of two witnesses.

DALLAS C. FRALEY.

Witnesses:
EDWIN E. HECKBERT,
HAZEL A. ARMSTRONG.

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