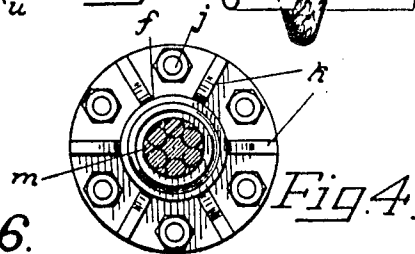
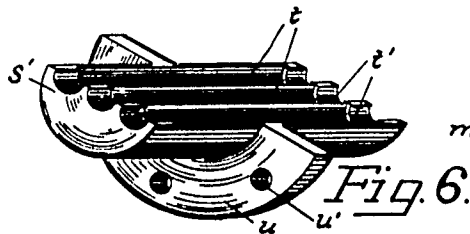
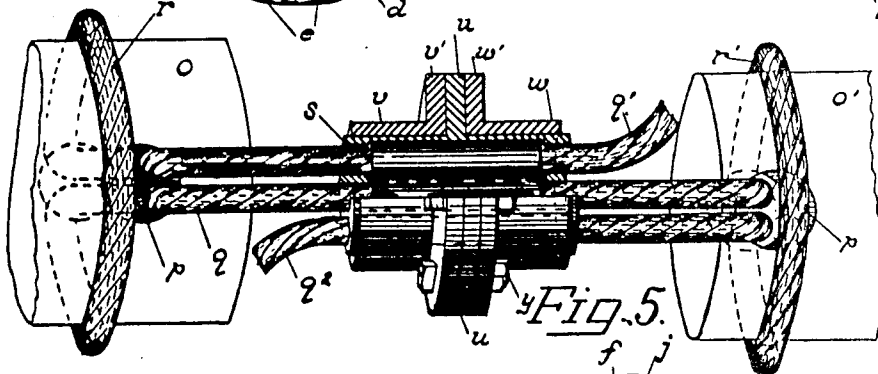
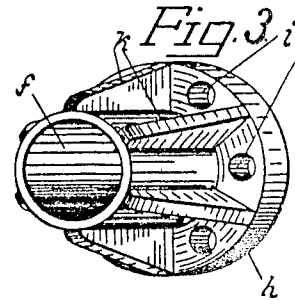
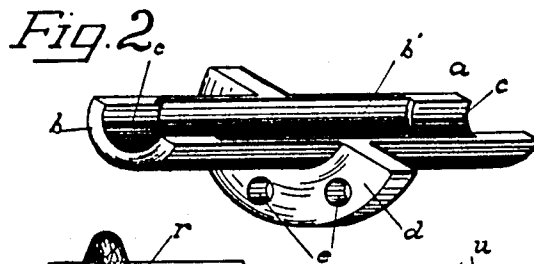
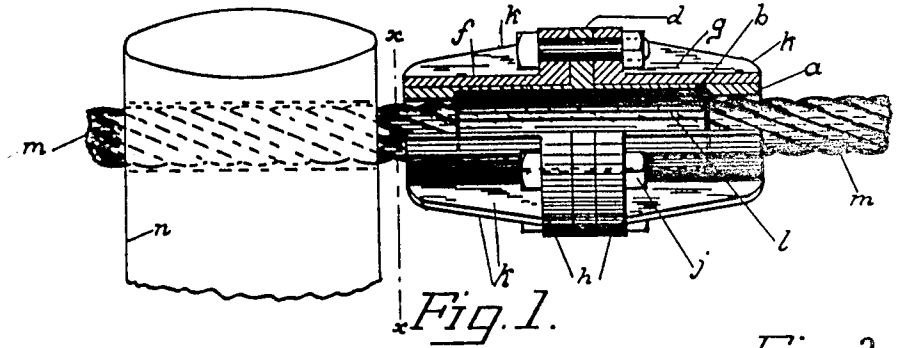


W. H. HARGRAVE.
CABLE CLAMP.
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1,036,227.

Patented Aug. 20, 1912.



WITNESSES:

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CABLE-CLAMP.

1,036,227.

Specification of Letters Patent. Patented Aug. 20, 1912.

Application filed June 23, 1911. Serial No. 635,045.

To all whom it may concern:

Be it known that I, WILLIAM H. HARGRAVE, a citizen of the United States, and a resident of Portland, county of Multnomah, and State of Oregon, have invented a new and useful Improvements in Cable-Clamps, of which the following is a specification.

This invention has for its object to provide a simply constructed and efficient clamp for a cable, also to so construct the exterior of the clamp as to facilitate its passage through a pulley-block.

My invention also has for its purpose to provide efficient and convenient means for securely clamping the ends of a cable used for tying together the ends of the logs in the boom sticks of a raft; and in connection with these purposes the further objects of my device is to so construct my clamp that all of the parts thereof may be conveniently cast, that it consists of only a few pieces, and that the parts thereof may be interchanged.

These and incidental features are fully explained in the body of the specification.

In the accompanying drawings: Figure 1 shows my invention as applied in the form of a collar to the cable-end, which is inserted through a log, as in the construction of a log-raft, the lower portion of my cable being shown in full outline and the upper portion in section; Fig. 2 is a perspective of one of the interchangeable parts of that part of my box which I term the longitudinally divided box; Fig. 3 is a perspective outer end view of one of the sleeve parts fitting over the ends of the box parts when assembled on a cable; Fig. 4 is a sectional end view approximately taken on a line $x-x$ of Fig. 1 and looking to the right; Fig. 5 shows the application of my invention for clamping the ends of a cable used for tying together the ends of a boom stick of a log raft, the lower portion of my clamp being shown as an exterior view and the upper portion in section; and Fig. 6 is a perspective of one of the interchangeable parts of the box constituting a part of the type of my clamp illustrated in Fig. 5.

Describing in the first instance the type of my cable-clamp shown in Figs. 1 to 4 inclusive: a is what I term the longitudinally divided box, comprising preferably two parts, each of the form shown in Fig. 2 and formed with a longitudinal recess b , of larger cross-section than the ends, c , so as

to provide room for receiving a filling of babbitt cast about the cable and securing it in the box against endwise movement. Each part of the box is further formed with a central transverse flange d , provided with perforations, e , for receiving bolts. When the two parts of the sleeve have been assembled on the cable, and the babbitt filling has also been introduced, there is slipped over the ends of the box-portion sleeves f , g , each formed with companion flanges h and provided with perforations i , registering with the perforations, e , of the flanges d of the box parts, and the sleeves, f , g , are bolted to the flange d of the box parts by bolts and nuts j .

The type of clamp shown by me in Fig. 1 is such as would be serviceable as a collar, and it is frequently convenient to have the clamp so arranged as to readily pass through a pulley-block. To accomplish this purpose, the sleeves are formed with longitudinal radial webs k .

l in Fig. 1 represents the babbitt filling cast on the cable m , and n represents a log having a hole bored at one end through which the cable m is inserted.

The type of my clamp illustrated in Fig. 5 is such as is serviceable for securing the ends of a cable used in tying together the ends of the logs in the boom stick of a raft. The log ends are represented by o , o' , having holes bored at p , through which the ends q , q' , q^2 of the cable loops r , r' are inserted, said cable ends being fastened together by my clamp, as shown. In this instance my clamp comprises a longitudinally divided box s , preferably made in two parts, each of the form shown in Fig. 6, and formed with a plurality of longitudinal recesses t , of larger cross section than the grooves t' , for receiving the cable, so that a babbitt filling may be cast about the cable in said recess t to secure the cable against endwise movement. Each of the box parts is further formed with a central transverse flange u , having perforations u' for receiving bolts. Slipped over the ends of the assembled box parts are sleeves v , w , made with companion flanges v' , w' , respectively, which are bolted to the flange u of the box parts by means of bolts and nuts y .

It will be noted that my clamp is adapted for different sizes of cables, by making my clamp of the size fitting the cable of greatest diameter; and by making the type of clamp

illustrated in Fig. 5, the ends of cables of different diameter may be clamped together in the manner above described.

In the operation of securing cable ends by my clamp, the cable ends are temporarily secured in place by any convenient means, so as to lie within the box parts, and the sleeves are then put in place, the clamp being held meanwhile, by some convenient means, in upright position so that the babbitt may be poured into the core of the box, the bottom opening of the core being closed by holding a cloth against the same until the babbitt has solidified. If the cable ends are later to be separated, the sleeve parts are first removed, then the box parts, after which the babbitt can be readily removed mechanically or by melting off.

I claim:

- 20 1. A cable clamp consisting of a longitudinally divided box the parts of which are interchangeable, each part being made with a core recess for receiving a cable, said recess being adapted to hold a metal filling
- 23 cast in it about the cable; each of said box parts being formed with a central transverse flange, sleeve ends adapted to be placed on

the opposite ends of the assembled box parts; each sleeve being formed with a companion flange at its inner end; and means for securing the parts together.

2. A cable clamp consisting of a longitudinally divided box the parts of which are interchangeable, each part being made with a core recess for receiving a cable, said recess being adapted to hold a metal filling cast in it about the cable; each of said box parts being formed with a central transverse flange, sleeve ends adapted to be placed on the opposite ends of the assembled box parts; each sleeve being formed with a companion flange at its inner end and with radial peripheral webs, tapering longitudinally from said flange to the extremity of the sleeve end; and the flanges of the parts being provided with registering perforations for receiving bolts, the perforations of the sleeve flanges being located intermediate said webs, the latter constituting a partial housing therefor.

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Witnesses:

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