

J. H. COOK.
CABLE CLAMP.

APPLICATION FILED NOV. 30, 1903.

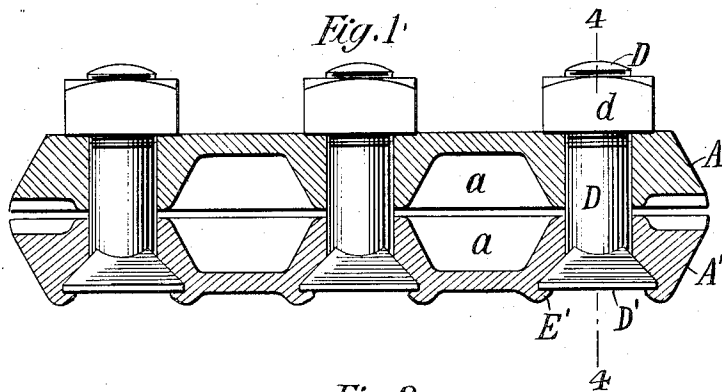
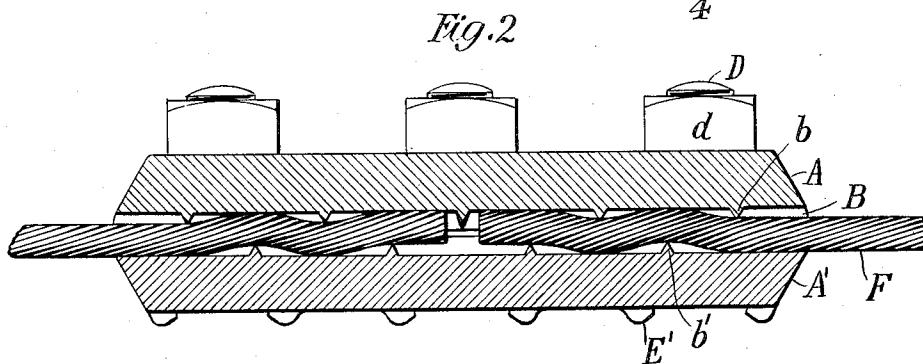
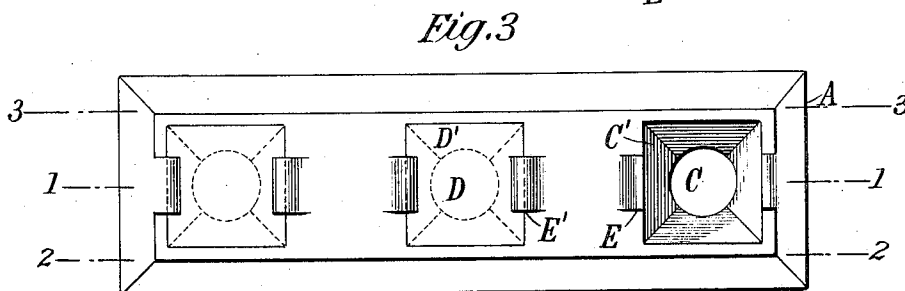
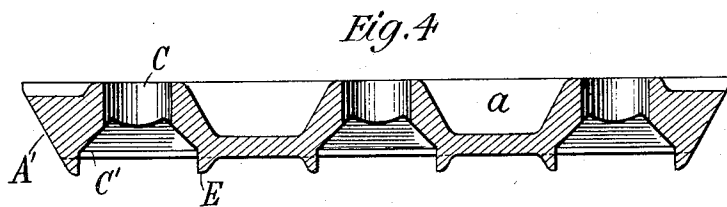
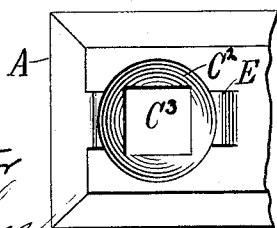
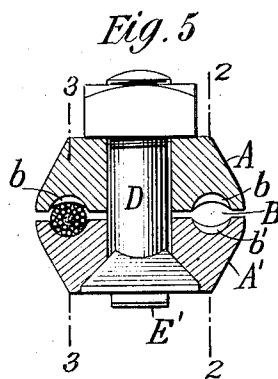


Fig. 6



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN H. COOK, OF NEW YORK, N. Y., ASSIGNOR TO HENRY B. NEWHALL,
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CABLE-CLAMP.

No. 832,595.

Specification of Letters Patent.

Patented Oct. 9, 1906.

Application filed November 30, 1903. Serial No. 183,162.

To all whom it may concern:

Be it known that I, JOHN H. COOK, a citizen of the United States, and a resident of the borough of Brooklyn, New York city, county of Kings, and State of New York, have invented a certain new and useful Improvement in Cable-Clamps, of which the following is a specification, taken in connection with the accompanying drawings, which form a part of the same.

This invention relates to cable-clamps, such as are adapted to hold the ends of wire cables by securing the same in grooves in the clamps.

In the accompanying drawings, in which the same reference characters refer to similar parts in the several figures, Figure 1 is a longitudinal section of an embodiment of this invention, taken along line 1 1 of Fig. 3. Fig. 2 is a similar section taken on the line 2 2 of Figs. 3 and 5. Fig. 3 is a bottom view of one of the clamp members. Fig. 4 is a sectional view of the same along the line 1 1, the bolts being removed. Fig. 5 is a transverse section of the clamp on the line 4 4 of Fig. 1. Fig. 6 is a partial bottom view of a modified form of clamp member.

In the embodiment of this invention shown in the drawings the clamp is formed of a cover A and a back A₁, preferably of malleable material, which may be formed by drop-forging or in any other way. These clamp members may be given the skeleton construction indicated, the recesses *a* being formed therein to save material. The clamp members are preferably secured together to operate the same by a series of bolts, which are preferably longitudinally spaced throughout the central portion of the clamp, three bolts D being indicated for this purpose, the nuts *d* serving to bring the back and cover together. Suitable grooves B are preferably formed in the clamp members on either side of the bolts. These grooves preferably have the curved cross-section indicated in Fig. 5, so as to accommodate a cable or rope F. Suitable gripping projections or ribs *b b*₁ may also be projected into the grooves to more firmly engage the cable, and these projections are preferably alternately spaced, as indicated in Fig. 2, to prevent undue action on the cable. In this way the two grooves in each clamp may coöperate, so as to firmly secure cable ends which may be laterally in-

serted between the clamping members, if desired.

In order to more readily apply the clamp, the bolts are preferably permanently secured to the back A₁, so that the back and bolts form a single piece. The back is formed with suitable sockets, preferably non-circular, so as to engage the shanks and heads of the bolts and prevent the rotation of the same and also to securely hold them in the back, the apertures being so formed as to properly accommodate and grip the particular kind of bolt with which they are used. As indicated in Figs. 3 and 4, the back may be formed with sockets comprising the circular hole C to accommodate the shanks of the bolts and with the tapering outer portions C₁ to accommodate the heads D₁ of the bolts. The back is also preferably formed with portions adapted to be forced into engagement with the bolt-heads to secure the bolts in position in the back. These portions may take the form of the bolt-holding lugs E E₁ indicated, which are adapted to be driven down upon the bolt-heads, as indicated in Fig. 1, so as to effectually secure the bolts to the back of the clamp. If desired, however, square holes C₂, as indicated in Fig. 6, may be formed in the back of the clamp, and the outer portion C₂ of the socket may be given the conical form to accommodate bolts having square shanks and conical heads, the portions E preferably projecting in the form of lugs in this instance to hold the parts together. This form of clamp is very desirable in operation, since the back and bolts form a single piece which may be readily applied to a cable even when under disadvantageous circumstances.

Many modifications in the form, size, proportions, and numbers of parts may be made in this device by those familiar with the art. Furthermore, parts of this device may be used without employing all of the same and parts may be used in connection with other devices without departing from the spirit of this invention or losing the advantages of the same. I do not, therefore, desire to be limited to the disclosure which has been made in this case; but

What I claim as new, and what I desire to secure by Letters Patent, is set forth in the appended claims:

1. In a clamp, a back having bolt-sockets and bolt-securing portions adjacent said

sockets, bolts permanently and substantially non-yielding secured in said sockets by forcing said portions of the back upon the heads of said bolts, a cover to fit upon said back, said cover being provided with holes to receive said bolts, said cover and back being formed with longitudinal grooves on either side of said bolts.

2. In a clamp, a back formed with three bolt-sockets longitudinally arranged therein, there being bolt-securing lugs adjacent said sockets, clamping-bolts permanently and substantially non-yielding secured to said back by bending said lugs into contact with the heads of said bolts, a cover to cooperate with said back formed with a series of holes for said bolts, said cover and said back having cooperating grooves in their adjacent faces on either side of said bolts and staggered securing-ridges projecting into said grooves.

3. In a clamp, a clamping member having a series of bolt-sockets longitudinally arranged and a series of bolts permanently and substantially non-yielding secured in said sockets by forcing down the adjacent portions of said member upon the heads of said bolts after said bolts are inserted in said sockets.

4. A clamp having a back, a bolt-socket in said back, a bolt in said socket, said back being formed with a bolt-securing lug to be forced against the head of said bolt to permanently and substantially non-yielding secure the same in said socket.

5. A clamp having a back formed with a non-circular bolt-socket and with a malleable bolt-securing lug adjacent the edge of said socket to permanently and substantially non-yielding secure a bolt in said socket by being forced against the head of the same.

6. In a clamp, a back and cover formed with cooperating grooves in their adjacent faces, said back being formed with non-circular bolt-sockets and with malleable portions adjacent said sockets to permanently and substantially non-yielding secure bolts thereto by being forced into contact with the heads of said bolts.

7. In a clamp, a back having a series of bolt-sockets, bolts located in said sockets, said back being provided with bolt-securing portions adjacent said sockets to engage said bolts and permanently and substantially non-yielding secure them to said back, a cover to fit upon said back, said cover being provided with holes to receive said bolts, and said cover and back being formed with longitudinal grooves on either side of said bolts.

8. In a clamp, a clamping member having a plurality of bolt-sockets and a plurality of bolts rigidly secured in said sockets, lugs upon the clamping members to engage the bolts and rigidly secure them in their seats.

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Witnesses:

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