

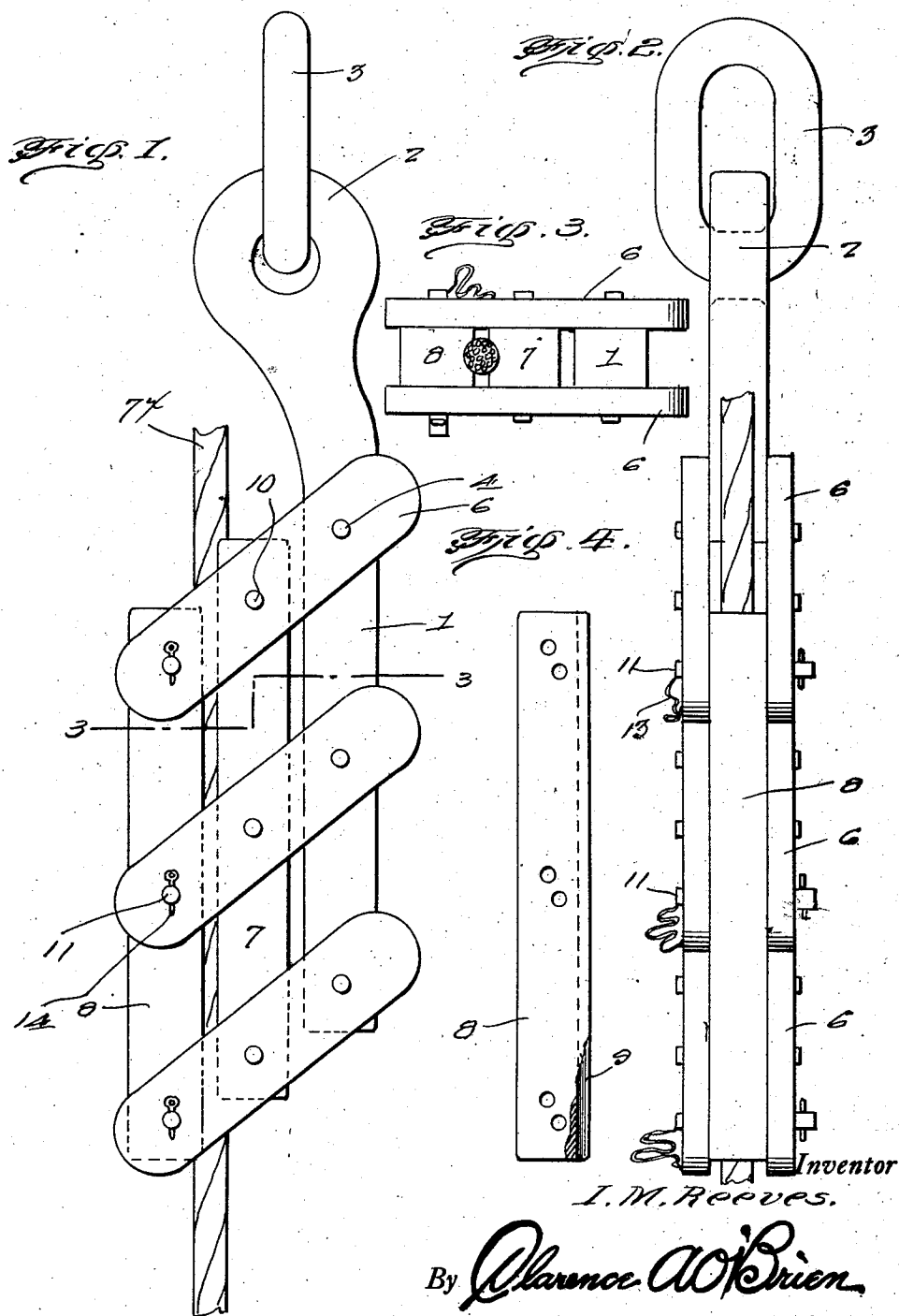
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CABLE CLAMP

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UNITED STATES PATENT OFFICE.

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CABLE CLAMP.

Application filed March 5, 1926. Serial No. 92,548.

My present invention has to do with means for connecting cables and the like; and it contemplates the provision of a simple, easily applied and efficient clamp, designed for use in conjunction with a steel or rope cable for tractive and other purposes.

With the foregoing in mind, the invention in all of its details will be fully understood from the following description and claim when the same are read in connection with the drawings, accompanying and forming part of this specification, in which:—

Figure 1 is a side elevation illustrating in use the best practical embodiment of my invention of which I am aware.

Figure 2 is an edge elevation of the same.

Figure 3 is a cross-section taken in the plane indicated by the line 3—3 of Figure 1.

Figure 4 is a detail elevation, partly in section, showing the outer clamp jaw of the device.

Similar numerals of reference designate corresponding parts in all of the views of the drawings.

My novel clamp is preferably formed of appropriate metal or metals, but manifestly it is within the purview of my invention to form the several parts of any material compatible with the purposes thereof.

Among other elements the clamp comprises a body shank 1 with an eye 2 at one end, said eye 2 being preferably, though not necessarily, interlocked with a link 3 for use in the connection of draft means, hoisting means or the like.

Pivotally connected at 4 to the body shank 1 and arranged at opposite sides thereof are swingable links 6, there being by preference three pairs of the said links.

The cable to be clamped is designated by 7, and is held directly between the clamping jaws 7 and 8 of the device, the said jaws 7 and 8 being provided in their opposed edges with channels 9, Figures 3 and 4 for the snug reception of the cable 7* and also for the purpose of increasing the jaw surfaces in engagement with said cable 7*.

It will be readily understood that the jaws 7 and 8 are located at one side of and in substantial parallelism with the body shank 1, and that the jaw 7 is pivotally connected at 10 to and between the links 6, and that the jaw 8 is pivotally connected to the links 6, preferably through the medium of removable pins 11. My invention contemplates

the connection of the pins 11 to one of the links of each pair by thongs, chain sections or the like, in flexible manner, this provision being made so that when necessary the jaw 8 may be expeditiously and easily detached from the links 6 and may as readily be replaced in the links 6 and jaw 8 for the pivotal connection of the same. It will also be noted from Figure 4 that the jaw 8 is provided with pairs of apertures 12, the apertures 12 at the right being to receive the pins 11 when a cable of small diameter is to be clamped, and the apertures 12 at the left being for the reception of the pins 11 when a larger cable is to be clamped.

The thongs or other flexible connections complementary to the pins 11 are shown in Figure 2 and are designated by 13, and I would also have it understood that when deemed expedient the pins 11 may be detachably secured in the links 6 and the jaw 8 by cotter pins 14 such as shown in Figure 1.

It will be apparent from the foregoing within the practical use of my novel clamp, the clamp is susceptible of being expeditiously and easily applied to a cable, and when the shank body 1 is subjected to pull, the jaws 7 and 8 will be strongly held under pressure against opposite sides of the cable 7* with the result that the cable will be securely held to the clamp. It will also be manifest that there is no liability of my novel clamp cutting or catching a cable, and this notwithstanding the fact that the cable is held in the clamp in such manner that there is no liability of the cable slipping or being casually released.

In addition to the practical advantages ascribed to my novel clamp, it will be appreciated that the clamp is simple and compact in construction and is calculated to withstand rough handling, and none of the parts of the clamp are liable to be deteriorated by exposure to the weather.

I have specifically described the construction and relative arrangement of the elements in the present and preferred embodiment of my invention in order to impart an exact understanding of said embodiment in all of its details. I do not desire, however, to be understood as limiting myself to the precise construction and relative arrangement illustrated and described, my invention being defined by my appended claim within the scope of which changes in struc-

ture and in arrangement may be made without departure from my invention.

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

10 In a clamp for use in conjunction with a cable and in combination, a body shank, jaws arranged at one side of the body shank and in substantial parallelism therewith and with each other, and swingable means connecting the body shank and the jaws at intervals in the length thereof; the swingable

means being in the form of links disposed at opposite sides of the body shank and the jaws and pivotally connected to the same, and 15 the outer jaw being provided with pairs of apertures for the reception of pins for detachably connecting said jaw to the links, and said pins being removable whereby the outer jaw and the clamp as a whole may be 20 adapted for the holding of cables of different diameters.

In testimony whereof I affix my signature.
IDA MAY REEVES.