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T. E. McLAUGHLIN

1,940,263

CABLE CLIP

Filed Nov. 2, 1932

Fig. 1.

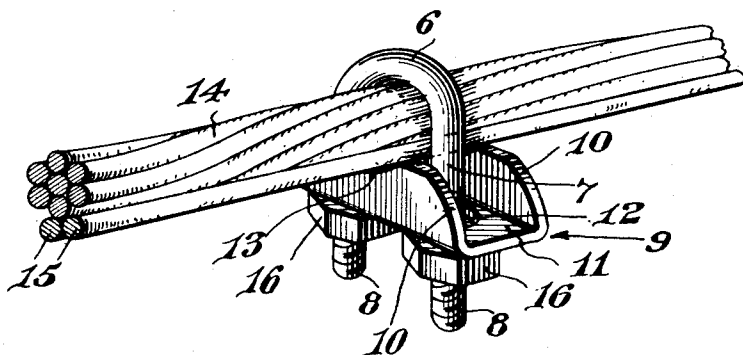


Fig. 2.

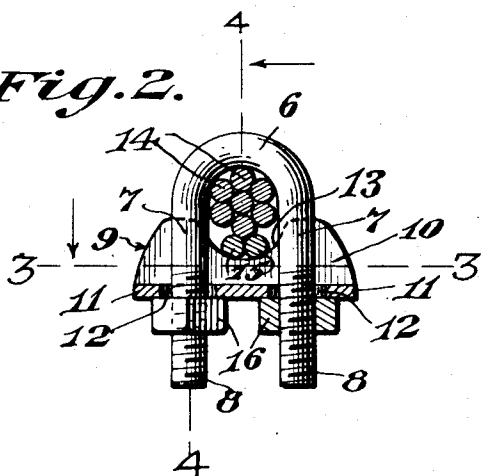


Fig. 3.

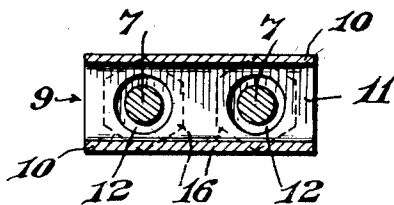


Fig. 4.

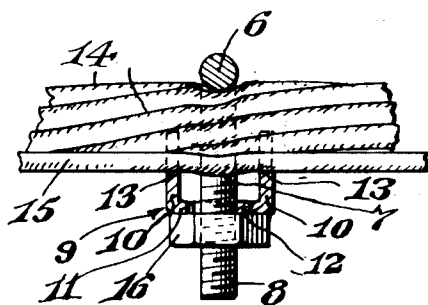
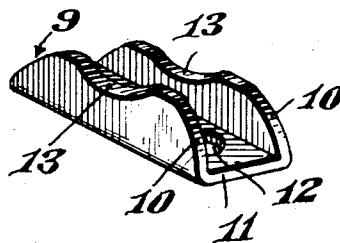


Fig. 5.



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UNITED STATES PATENT OFFICE

1,940,263

CABLE CLIP

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Application November 2, 1932. Serial No. 640,878

1 Claim. (Cl. 24—135)

The present invention relates to clamps, and more particularly to that class used for clamping together cables, wires, ropes, etc.

An object of the invention is to provide such a clamp, which though of simple and inexpensive structure, will give an exceptionally secure and rigid clamping action to articles to which it is applied.

In the accompanying drawing:

Figure 1 is a perspective view of the device showing the manner of use thereof.

Figure 2 is a sectional view.

Figure 3 is a sectional view on the line 3—3 of Figure 2.

Figure 4 is a sectional view on the line 4—4 of Figure 2.

Figure 5 is a perspective view of one of the clamping elements.

Describing the drawing more particularly, the numeral 6 designates the curved portion of a U-bolt having spaced substantially parallel legs 7 threaded as at 8. The U-bolt operates as one of the clamping elements of the device.

Adapted to cooperate with the U-bolt is a channel-shaped element in the form of a cross bar 9 having upstanding substantially parallel side walls 10 and a bottom portion 11. In the bottom portion 11 are openings 12 so spaced and of a size to allow the legs 7 of the U-bolts to easily pass therethrough. The upper central portions of the side walls 10 are cut away to form rounded notches 13 which are located in a line between the legs 7 when the device is assembled and will be opposite to the curved portion 6 of the U-bolt, as appears in Figure 2.

The device is assembled about a plurality of articles to be clamped, as a cable or rope 14 and rods 15 which it may be desired to clamp to such rope, by placing the legs 7 of the U-bolt on opposite sides thereof. The part 9 is then applied by passing the legs 7 through the openings 12, with the walls 10 towards the portion 6 of the U-bolt and the notches 13 partly surrounding the objects to be clamped.

Nuts 16 are then applied to the threaded por-

tions 8 of the U-bolt and tightened against the bottom portion 11, drawing the curved portion 6 of the U-bolt toward the walls 10 and effectively clamping together the strands 14 and 15 between said curved portion and the convergent walls of the notches.

This clamp is peculiarly effective for the purpose intended. As appears in Figure 4, the clamping action takes place between two spaced points on one side, and a single element on the other side, which single element is in a plane between the two spaced points. Tension placed upon the legs 7 by the nuts 16 tends to draw the portion 6 between the walls 10 and into the channel of the cross bar, thus tending to crimp the articles 14 and 15 and not only clamping them together, but insuring them against slipping.

From the foregoing, it is thought that the construction, operation and many advantages of the herein described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

What I claim is:

A clamp comprising a metal plate having its side margins upset to provide an elongated body wall and spaced side walls, the body wall being longer lengthwise of the side walls than transversely thereof, the side edges of the plate constituting the free edges of the side walls and being recessed to form cable-receiving seats, a U-bolt having its closed loop portion located in a plane between the side walls and having spaced legs that pass through the body wall and have their opposite ends closely adjacent to the inner faces of the side walls, and means for drawing the legs of the U-bolts through the body wall to cause the looped portion of the U-bolt to grip, directly adjacent the side walls, a cable placed in the seats.

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