This invention relates to a wire cable cutter more particularly designed to cut steel wire and it aims to provide a structure whereby the cutting apparatus, without the aid of additional tools, will satisfactorily and easily cut the metallic wire cable without fraying the ends or leaving sharp edges.

Another object is to provide a structure wherein hardened steel cutting elements are renewably mounted and means is provided to prevent spreading or crowding of parts of the cutting edges while shearing the cable.

The more specific objects and advantages will become apparent from the consideration of the description following taken in connection with accompanying drawings illustrating an operative embodiment.

In said drawing:

Figure 1 is a view in side elevation of the improved cutting device;

Figure 2 is a plan view thereof;

Figure 3 is an enlarged vertical sectional view taken on the line 3—3 of Figure 1; and

Figure 4 is a detail section taken on the line 4—4 of Figure 2.

Referring specifically to the drawing wherein like reference characters designate like or similar parts, a suitable base is provided as at 10, for instance, having front and rear feet as at 11, and a central upright beam 12, such parts as well as all parts of the device being metallic.

Welded against one side of the plate or beam 12 and extending above the same, is a block 13.

Pivoted to the block 13 as by means of a removable and adjustable bolt 14, is a shearing lever 15 operating in vertical line above the beam or plate 12, and provided with a suitable handle 16 of any desired length. Welded to the said beam or plate 12 on the opposite side to block 13, is a bearing lug 17, the lever 15 being disposed between such lug and block 13 and the bolt 14 also passing therethrough.

Said block 13 and the lever 15 carry coating hardened steel cutters 18 and 19, respectively.

Said cutters are preferably arcuate as shown, each having a semicircular cutting edge at 20, the cutters 18 and 19 being adapted to contact during the shearing operation, and the cutters being beveled as at 21 in a direction away from the plane of cutting. Since the cutters are semicircular, they collectively completely encircle the steel wire cable or the like being severed and the result is accomplished without fraying the ends or leaving sharp edges thereon.

On the opposite side of the beam or plate 12 adjacent the rear end of the block 13, is a vertical post 22, welded to such element 12 and being of such height as to cause engagement at the inner surface thereof by the lever 15, during the shearing operation on the wire cable or the like so as to prevent spreading or crowding apart of the cutting edges 23. It will be realized that the lever 18 snugly fits the block 13, lug 11 and backing post 22 to stabilize the construction and especially prevent the aforesaid crowding and spreading.

In the operation of the device, the steel cable or the like is disposed in the cut-out portion of the cutter 15, while the lever 18 is raised, whereupon such lever is manually depressed so that its notch will engage the steel cable or the like and through continued depression of handle 16, the cutters will sever the steel cable or the like.

It will be realized that the cutters 18 and 19 may be readily renewed when worn.

We claim as our invention:

1. A device of the class described, comprising a plate, a block secured to one side thereof having an arcuate cutting edge, a lever, a pivot member connecting the lever to the block over the plate and having an arcuate cutting edge to jointly with the aforesaid cutting edge surround and cut a cable, a backing post on the opposite side of the plate to said block engageable by the lever to prevent spreading thereof relatively to the block during a cutting operation, and a lug on the same side of the plate to the backing post engaging the lever, the said pivot member for the lever passing through said lug, the lever and said block.

2. A device of the class described, comprising a plate, a block secured to one side thereof having an arcuate cutting edge, a lever pivoted to the block over the plate and having an arcuate cutting edge to jointly with the aforesaid cutting edge surround and cut a cable, a backing post on the opposite side of the plate to said block engageable by the lever to prevent spreading thereof relatively to the block during a cutting operation, a lug on the same side of the plate to the backing post engaging the lever, the pivot for the lever being a bolt passing through said lug, the lever and said block, said block, lug and post being welded to said plate, and removable cutter members on said lever and block providing said arcuate cutting edges.

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