Oct. 25, 1927. 1,647,065

J. L. VAUGHAN ET AL

GUARD

Filed June 28. 1926

Fig. 1.

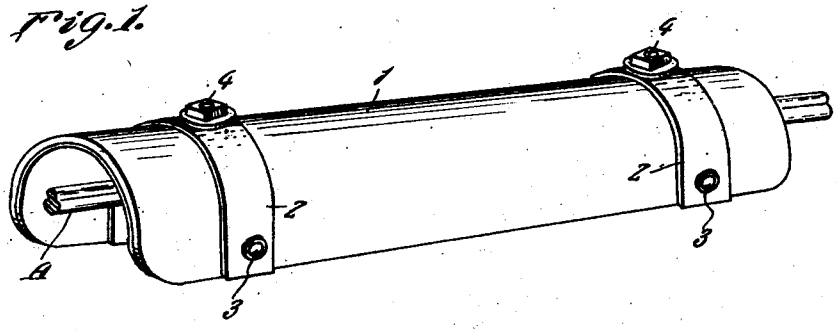


Fig. 2.

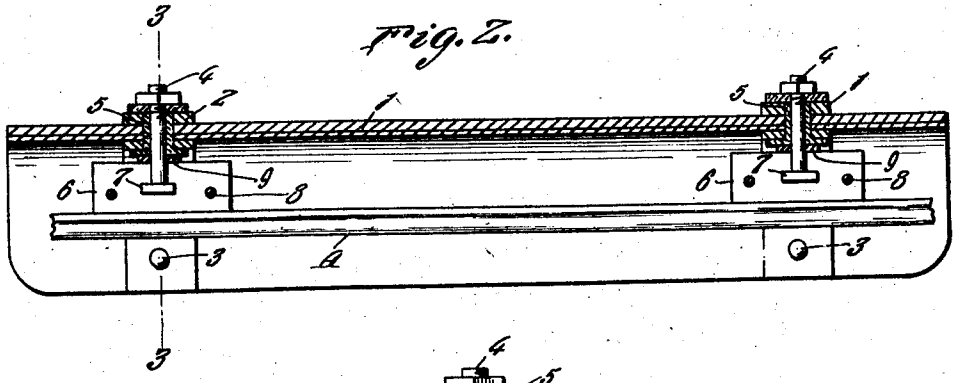
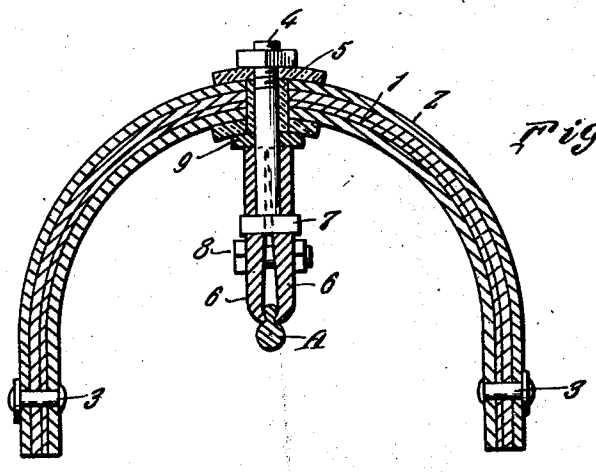


Fig. 3.



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GUARD.

Application filed June 28, 1926. Serial No. 119,146.

This invention relates to an electric conductor guard, the general object of the invention being to provide means for preventing persons accidentally touching a trolley wire or the like with their heads when the wire is in a low position such as in low parts of mines, tunnels and the like.

Another object of the invention is to provide means for clamping the guard to the wire itself so that the device can be readily put in place and without the necessity of boring holes in the roof of the tunnel to receive supporting means for the guard.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing our invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a perspective view of a guard showing the same in use.

Figure 2 is a longitudinal sectional view.

Figure 3 is a section on line 3—3 of Figure 2.

In these views, 1 indicates an inverted trough-shaped member which may be made of any suitable material but which is preferably formed of canvas with a rubber coating and which has reinforcing bands 2 extending transversely thereof and fastened thereto by rivets 3. The device must be stiff enough to prevent bending when struck by the head or other part of the body of a person.

Bolts 4 are carried by those portions of the device which are reinforced by bands and each bolt is insulated from the device by means of the insulation, shown at 5. Each bolt carries a pair of clamping plates 6 by having its head 7 engaging slots in the plates, the plates being held in clamping position on the trolley wire A by the bolts 8 which pass through the plates. A washer 9 may be placed on the bolt between the lower part of the insulation and the tops of the plates.

From the foregoing, it will be seen that the trough-shaped member is supported in inverted position from the top of the trolley wire so that the edges of the device extend downwardly below the wire and will thus prevent a person's head from coming against the wire as the lower edges of the device would be engaged by his head and thus prevent contact with the wire.

The device can be easily and quickly attached to the trolley wire and by exercising a little care, the device can be attached to the wire without turning off the current. The device can be reinforced, if necessary or desirable, to prevent the edges of the member being forced upwardly by the head of a person striking the same.

The device can be made of any desired size so that it will cover those portions of the wire which are so low that they might be struck by the head of a person passing under them.

It is thought from the foregoing description that the advantages and novel features of our invention will be readily apparent.

We desire it to be understood that we may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What we claim is:—

A wire guard comprising an inverted trough-shaped member, bolts passing through the center of the member and depending into the same, means for insulating the bolts from the member, a pair of clamping plates carried by each bolt, said plates having slots therein for receiving the heads of the bolts, and bolts for clamping the plates on a wire.

In testimony whereof we affix our signatures.

JOHN L. VAUGHAN.
CHARLES E. JUSTICE.