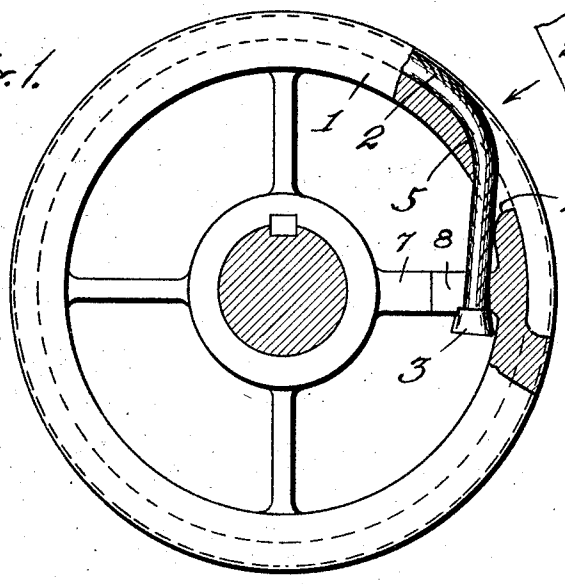
April 14, 1925. 1,533,556

F. H. HOWARD

HOIST CABLE SECURING DEVICE

Filed Jan. 14, 1925

Fig. 1.



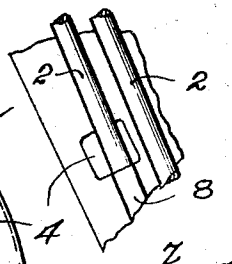
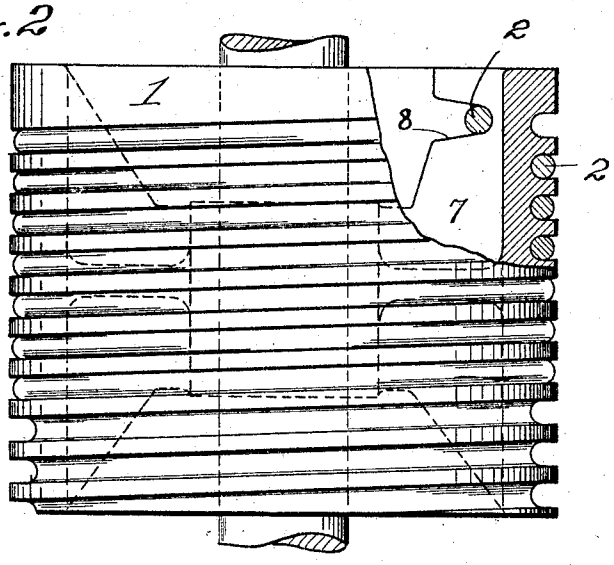


Fig. 3.

Fig. 2.



Inventor

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Attorney

Patented Apr. 14, 1925. 1,533,556

UNITED STATES PATENT OFFICE.

FRANK H. HOWARD, OF READING, PENNSYLVANIA, ASSIGNOR TO READING CHAIN AND BLOCK CORPORATION, OF READING, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

HOIST-CABLE-SECURING DEVICE.

Application filed January 14, 1925. Serial No. 2,461.

To all whom it may concern:

Be it known that I, FRANK H. HOWARD, a citizen of the United States, residing at Reading, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Hoist-Cable-Securing Devices, of which the following is a specification.

This invention relates to improvements in means for securing the end of a hoist cable to the winding drum.

Difficulty in removing the cable from the drum has been very pronounced, where the old form of securing the cable end has been followed, and it is to overcome this and also to provide a simple and effective fastening device, that I have provided the present invention.

The invention consists of providing an enlargement on the extremity of the cable, and in forming the winding drum with a perforation through which the cable end may pass, and a slot on the inner portion of the drum for engaging the enlarged end of the cable, whereby the cable end may be inserted and removed from the drum easily and at will.

The invention is more fully described in the following specification and clearly illustrated in the accompanying drawing, in which:—

Figure 1 is an end view of a hoist drum, partly broken away to illustrate the cable end in position.

Figure 2 is a plan view of the drum, also partly broken away to show the slot for the cable end.

Figure 3 is a fragmentary view showing the perforation in the drum through which the cable end is passed.

The numeral 1 designates a grooved winding drum and 2 the cable, which is formed with an enlarged extremity 3.

The drum is formed with a perforation 4 the one edge of which is formed in a gradual incline 5 to accommodate the cable as it enters the perforation.

Within the drum, in the web 7, I form a slot 8, in alinement with the perforation 4 and this slot is sufficiently wide to accommodate the cable, but not wide enough to permit the enlarged end 3 to pass through it at its lowest depth, where the cable end normally rests.

It is evident that the headed end of the cable may be inserted through the perforation 4 and the end slipped into the slot 8, engaging the head 3, and that any drawing on the cable will securely grip the cable end in the slot and prevent the withdrawal of the cable from its engagement with the drum.

The inclined surface 5, leading from the edge of the perforation 4, will permit the cable to lie in an easy curve and thus be free from any undue strain that would be present were the bend a more abrupt or angular one.

It is evident that the removal of the cable from the drum is very easily accomplished. It will be necessary only to ease up the engagement of the cable end where the head 3 engages the slot, and this will allow the end to pass free from the slot and be withdrawn from the drum.

Having thus described my invention, I claim:—

In a cable securing device, a winding drum formed with a perforation whose one edge is inclined, a web on the inside of the drum, said drum having a cable receiving slot in alinement with the perforation, and a cable having an enlargement formed on its extremity, said enlargement being adapted to pass through the perforation and engage the slot, while that portion of the cable adjoining the enlargement on its end rests on the inclined surface on the edge of the perforation.

In testimony whereof I affix my signature.

FRANK H. HOWARD.