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C. R. MOORE

2,083,388

TOOL FOR TURNING CABLE REELS

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FIG. 1

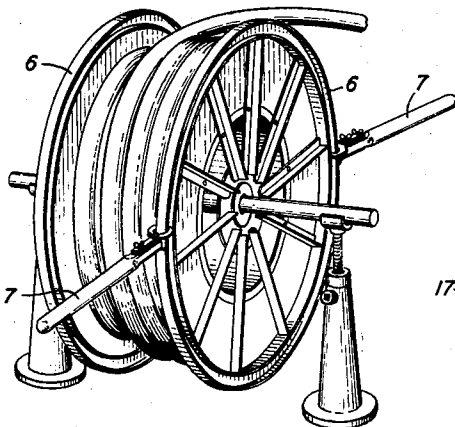


FIG. 2

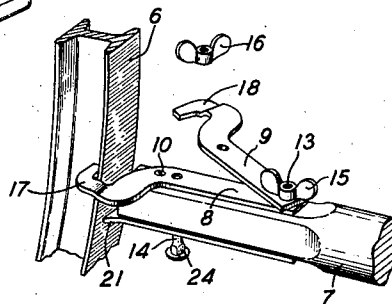


FIG. 3

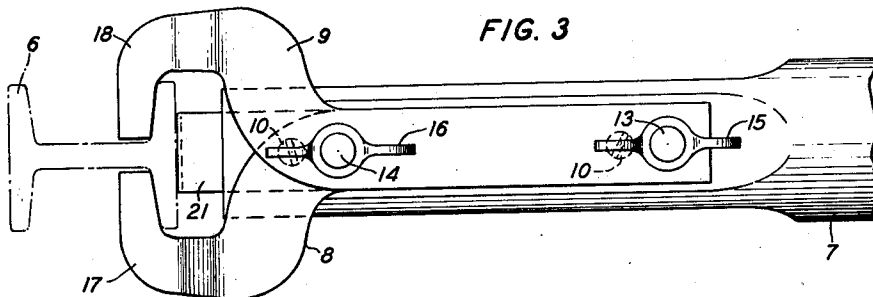
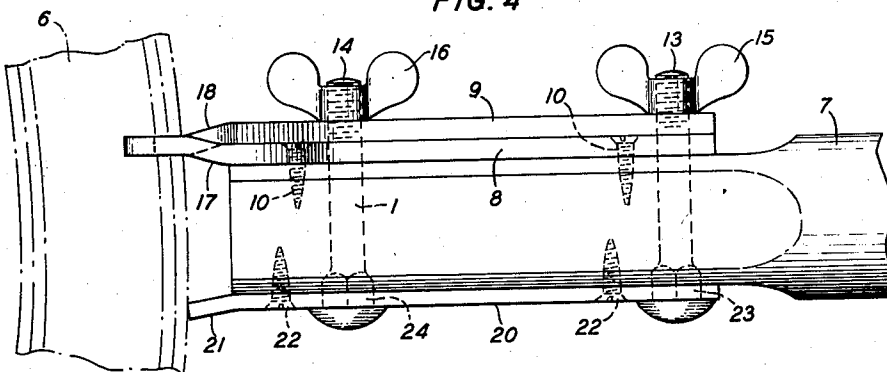


FIG. 4



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TOOL FOR TURNING CABLE REELS

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3 Claims. (Cl. 74-543)

This invention relates to a device for turning cable reels and more particularly to a tool for turning steel cable reels.

The object of this invention is to provide a tool which may be readily attached to the rim of a steel cable reel for the purpose of rotating it.

Another object of this invention is the provision of a small portable tool which will firmly grip the flange portion of a steel cable reel without slipping.

A further object of the invention is the provision of a tool which permits it to be readily detached from the rim of the cable reel.

For some years it has been customary to provide cable reels constructed of wood for holding lead sheath cables. However, steel cable reels of the type shown in Patent 1,904,158 dated April 18, 1933 to L. R. McQuire are gradually replacing the old style wooden reels. It has been found that a steel reel of the type shown on the above patent, which, while having a slightly higher first cost, will over a period of years be more economical. With the relatively heavy steel cable reel coming into general use, it has been found necessary that some convenient means be provided for rotating the steel reel, both when it is on supporting jacks and when it is desirable to roll the reel a short distance on the ground.

In accordance with the general features of this invention this tool comprises a wooden handle having mounted on one end thereof a pair of steel jaws, one of which is fixed and the other movable. Located on the underside of the handle, and projecting a short distance beyond, is a short steel member which acts as a fulcrum when the jaws on the opposite side grip the flange of the reel and pressure is applied on the end of the wooden handle.

A better understanding of the invention may be had from the following detailed description taken in connection with the accompanying drawing forming a part thereof, in which:

In the drawing illustrating this invention, Fig. 1 is a perspective view of a cable reel such as is disclosed in United States Patent 1,904,158 showing the tool of this invention applied thereto in operative position;

Fig. 2 is a perspective view of the operative end of the tool with parts removed to illustrate its method of application;

Fig. 3 is a plan view of the end of the tool in its closed or operative position; and

Fig. 4 is a view in side elevation of the reel engaging end of the tool.

As shown in the drawing the end portions of the steel cable reel terminate in flanged peripheries 6, 6 upon which the reel may be rotated when resting upon the ground.

The tool which forms the subject-matter of this invention as most clearly illustrated in Figs. 2, 3 and 4 comprises a handle portion 7 which may be of wood of convenient length to supply the necessary leverage for moving the heavy reel full of cable. At its inner end the handle portion 7 is squared to receive upon one surface superposed clamping or engaging members 8 and 9 of tough strong metal, the lower member 8 being securely fastened to the handle portion 7 by means of screws 10, 10 while the upper clamping member 9 is made adjustable through the agency of clamping bolts 13, 14 and wing nuts 15, 16. The two clamping members 8 and 9 are provided with oppositely extending hook portions 17, 18 which are adapted to engage the flange members 6, 6 of the cable reel.

Secured to the face of the handle portion 7 opposite to that to which the clamping members 8 and 9 are secured is a plate member 20 the end 21 of which extends slightly beyond the end of the handle portion and is bent or sloped slightly to engage the outer periphery of the reel flange 6 to provide a fulcrum for turning the reel. The plate member is secured to the handle portion by means of screws 22, 22.

The bolts 13 and 14 are of the carriage type with squared portions 23, 24 on their shanks adjacent the heads and these squared portions are adapted to fit into corresponding openings in the plate member 20 to prevent turning of the bolts when the wing nuts 15 and 16 are turned.

In order to attach the tool to a cable reel the front wing nut 16 is removed from the bolt 14 and the wing nut 15 on the bolt 13 is loosened sufficiently to permit the upper clamp member to be swung outwardly far enough to be inserted over the flange 6 when the bolt 14 is removed or dropped below its position of engagement with the clamp member 9. After insertion over the flange of the clamp member 8 the clamp member 9 is swung back into place, the bolt 14 is moved into position and the wing nuts 15 and 16 are tightened into place and the tool is ready for use.

There is provided sufficient clearance between the engaging faces of the clamping members 8 and 9 and the flange 6 so that when the tool is in a position substantially perpendicular to the face of the flange, it may be moved circumfer-

entially thereof to change its gripping position.
What is claimed is:

1. A tool for facilitating the rotation of cable reels comprising a handle, a pair of members of like configuration, having shank portions and extending jaw portions, mounted in superimposed relation on one side of said handle with the jaws extending beyond the end thereof, one of said members being rigidly secured to said handle and the other adjustable with respect thereto, a member secured to the opposite side of said handle and extending beyond the end thereof a distance substantially one half that of the extending jaw portions and means passing through said member, said pair of hooked members and said handle for securing said adjustable hook member in definite spaced relation with respect to the rigidly secured hook member.

2. A tool for facilitating the rotation of cable reels comprising a handle, a pair of members of like configuration, extending equidistant on each side of said handle and having shank portions and extending jaw portions, mounted in superimposed relation on one side of said handle with the jaws extending beyond the end thereof, one of said members being rigidly secured to said handle and the other adjustable with respect thereto, a member secured to the opposite side

of said handle and extending beyond the end thereof a distance substantially one half that of the extending jaw portions and means passing through said member through the shank of said pair of hooked members and said handle for securing said adjustable hook member in definite spaced relation with respect to the rigidly secured hook member.

3. A tool for facilitating the rotation of cable reels comprising a handle, a pair of members of like configuration extending equidistant on each side of said handle and having shank portions and extending jaw portions, mounted in superimposed relation on one side of said handle with the jaws extending beyond the end thereof, one of said members being rigidly secured to said handle and the other adjustable with respect thereto, a member secured to the opposite side of said handle and extending beyond the end thereof a distance substantially one half that of the extending jaw portions and a pair of bolts passing through said member through the shank, said pair of hooked members and said handle for securing said adjustable hook member in definite spaced relation with respect to the rigidly secured hook member.

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