Jan. 16, 1940. E. C. ADOLPHE 2,187,440

LOGGING DEVICE

Filed Sept. 6, 1938

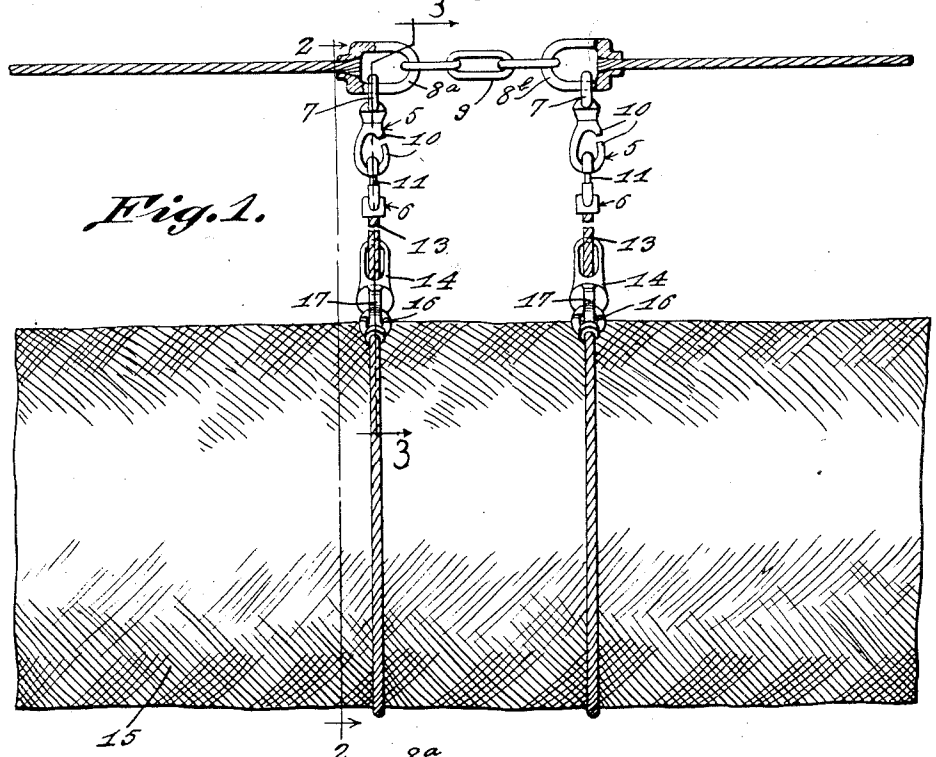


Fig. 1.

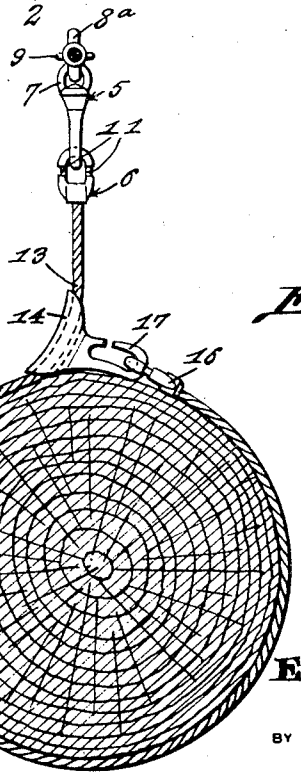


Fig. 2.

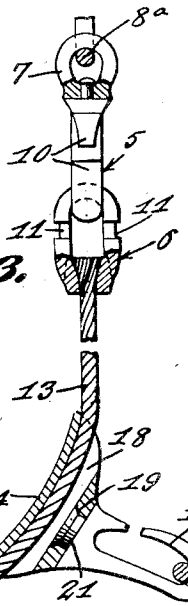


Fig. 3.

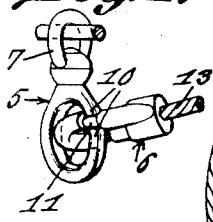


Fig. 4.

Ernest C. Adolphe
INVENTOR

BY Victor J. Evans & Co.
ATTORNEYS

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2,187,440

UNITED STATES PATENT OFFICE

2,187,440

LOGGING DEVICE

Ernest C. Adolphe, Olney, Oreg.

Application September 6, 1938, Serial No. 228,721

1 Claim. (Cl. 294—74)

My invention relates to improvements in hoisting and hauling devices particularly adapted for use in logging camps and the like.

In land clearing operation, especially in the northwestern part of the United States, after the marketable timber has been removed a considerable quantity of dead fall remains and is required to be cleared from the land as well as roots and stumps. These are hauled to a central position and deposited in enormous heaps to be burned, the hauling being effective by a rope from a powerful engine, the ropes passing around sheaves at the head of a mast around which the pile is collected. The ordinary practice is to attach a log or the like to the main line by means of a single sling or the like and thus haul the log to the desired heap. In an operation of this character, the log is given to a pivoting movement relative to the main line and due to the pivoting movement the log sometimes drags along the ground and the upward end is deposited over other logs causing a slack in the sling arrangement which results in the sling becoming disconnected above the log or from the main line—due to the construction of the hooks and D's ordinarily employed—thereby permitting the log to roll and subject the workmen in the vicinity to serious injury.

It is, therefore, one of the principal objects of my invention to provide a logging device for maintaining the log securely attached to the main line during the hauling operation.

Another object of my invention is to provide a device of the above described character which is simple in construction, durable in use, efficient in operation, easy of attachment and economical in manufacture.

A special object of my invention is to provide a logging device of the above described character equipped with a choker so constructed and arranged as to facilitate the attachment and detachment of the log from the sling employed.

Other objects and advantages will be apparent from the following description, appended claim and annexed drawing.

Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Figure 1 is a side elevation of my invention illustrating the same attached to a log, certain of the parts being illustrated in section.

Figure 2 is a sectional view taken on the line 2—2 of Figure 1.

Figure 3 is an enlarged detail sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a detail perspective view illustrating one of the D's in position for engagement or disengagement with one of the hooks.

In practicing my invention I provide a pair of coacting detachable elements which comprise a butt hook 5 and a D 6 and in the present instance, for the purpose of illustration, I employ a pair of said butt hooks having swiveled eyes 7 through which are secured shackles 8a and 8b of a main line and haul back respectively. Said shackles are connected together by links 9. The depending hook portions of the butt hooks 5 are provided at their respective throats with downwardly and upwardly extending keys 10 which are spaced from each other a sufficient distance to permit a keyway 11 formed on the opposite sides of the D's 6 to pass therethrough when said D's are canted to dispose the normally vertically extending sides thereof in a substantially horizontal plane whereby to secure the upper or curved ends of said D's within said hooks against accidental dislodgement therefrom when said D's are in a normal vertical or slacked position therein. The lower ends of the D's 6 are connected to the upper ends of a pair of spaced cables 13.

The upper end sections of the cables 13 subjacent the D's 6 are trained through chokes 14 and extend about a log 15, the opposite ends of said cables being provided with D's 16 of a similar construction as the D's 6 and said D's are engaged in hooks 17 in the same manner as the D's 6 engage the hooks 5.

The hooks 17 at the end opposite the connection with the D's 16 are swiveled to the choke 14 thereby providing a choke hook. The choke hook comprises a housing fashioned with an arcuate passage 18 extending therethrough and through which the cable 13 is trained. One of the side walls of the housing is fashioned with an aperture 19 and receives therein the headed end of a pivot pin 21 carried by the adjacent end of the hooks 17 whereby said hooks effect a swivel connection with the housing. Due to the dimensions of the keyways on the sides of the D's in relation to the sides of the throats between the keys of the hooks, accidental dislodgement of the D's from the hooks is prevented thereby effect a high degree of safety in logging operations.

From the foregoing it will be apparent that I have provided a simple and reliable logging device for attaching logs and the like to a main line. It is to be understood that various changes and modifications may be resorted to in the con-

struction and arrangement of the parts without departing from the spirit of the invention or scope of the appended claim.

What I claim is:

A device of the character described, comprising, a pair of detachable elements adapted for connection within a log hauling device, one of said elements constituting a hook provided with a swiveled housing having an arcuate shaped passage extending therethrough to slidably accommodate a length of cable for supporting a log in clamped and suspended condition, said hook having a throat in proximity to said housing and defined by a pair of spaced laterally disposed keys, and the other of said elements constituting a D adapted for connection with an end of said cable and provided with sides formed with keyways having sections of a dimension receivable through said throat, said D provided with a top portion connecting said sides together in spaced parallel relation and connected to and within said hook subjacent said throat to secure said length of cable about a log and to preclude accidental detachment of said D from said hook when said log is supported in said clamped and suspended condition and to permit intentional detachment of said D from said hook only when said cable is slid through said housing and slackened about said log.

ERNEST C. ADOLPHE.