

H. L. TURNEY.

LOGGING HOOK.

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1,005,370.

Patented Oct. 10, 1911.

Fig. 1.

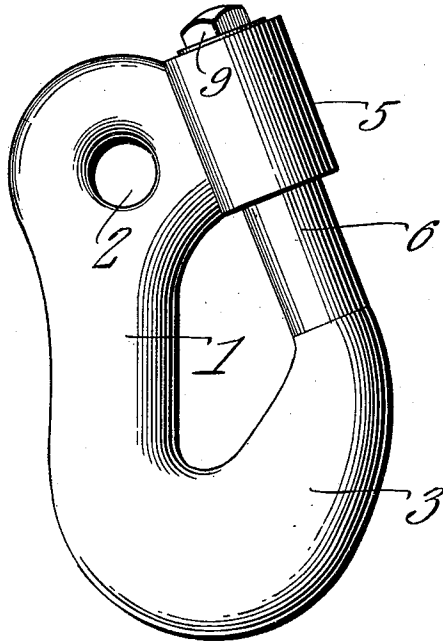
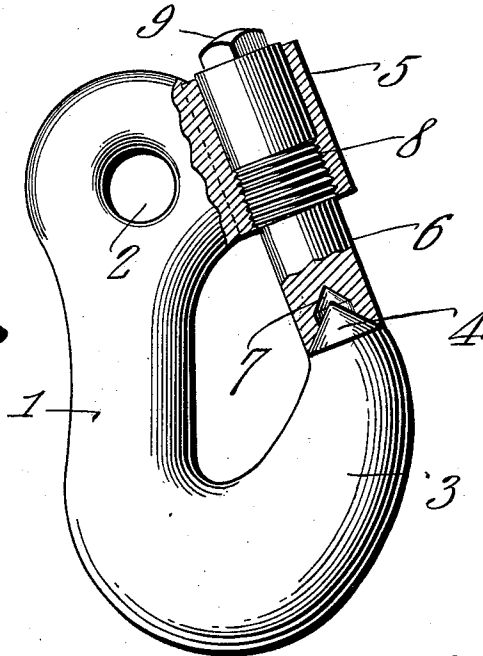


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

HARRY LEON TURNEY, OF PORTLAND, OREGON.

LOGGING-HOOK.

1,005,370.

Specification of Letters Patent.

Patented Oct. 10, 1911.

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To all whom it may concern:

Be it known that I, HARRY L. TURNEY, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Logging-Hook, of which the following is a specification.

This invention relates to improvements in hooks and has especial reference to hooks employed for connecting the main line to a log for the purpose of hauling the log from the place where the same is cut.

In lumber camps it is the practice to haul the log over the ground by means of a chain or other form of cable to the end of which is attached a hook adapted to engage a chain or similar device wrapped tightly around the log. In practice the hook frequently becomes disengaged from the chain which is passed around the log so that the hauling of the log is delayed and the work is seriously handicapped.

It is the object of my invention to provide a simple construction whereby the hook will be positively prevented from accidental disengagement with the link of the chain wrapped around the log, and yet such link will be permitted freedom of movement from the bill of the hook onto the movable pin and back again without catching at the point of contact between them whereby strain would be thrown onto the pin so that the latter might be bent.

It is a further object of my invention to facilitate close contact between the tips of the hook and pin by eliminating the possibility that a grain of sand or dirt may get between them.

These objects are carried out by the construction described and claimed below.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in a logging hook embodying a two-piece structure comprising a shank having at one end a head provided with an eye and at its other end a bill disposed at an outward divergent angle relative to the shank and terminating in a conical point, a shoulder projecting from the head and having a threaded bore extending obliquely to the axis of the shank, and a straight bolt engaging the bore and having its inner terminal provided with a conical seat to engage the point of the bill, the inner wall of the

shank being straight from the head outward, and the like wall of the bill being abruptly curved and forming, in conjunction with the opposed wall of the shank, a constricted chain link engaging crotch, the surfaces of the shank, bill and head being rounded, and the shoulder and bolt being of a configuration to present no obstruction when the hook is dragged over the ground.

In the drawings, Figure 1 is a side view of a hook embodying my invention. Fig. 2 is a similar view with parts in section.

This improved hook comprises a shank 1 having at one end a transverse eye 2 for attachment of the draft chain, and its opposite end bent into a hook standing in a plane at right angles to the axis of said eye, the bill 3 of the hook being of the same size and configuration as the shank and preferably tapering thence slightly to the end of the bill proper, beyond which is a truly conical extremity 4 whose base merges into the bill on a circular line as shown and whose body is integral therewith and solid. At the remote end of the shank and at one side of its eye, the same is provided with a cylindrical integral lug or sleeve 5 through which passes a locking pin 6 adapted to move axially through the sleeve and directly toward or from the point of the extremity 4. The pin is preferably cylindrical at the end which engages said extremity, and of the same size as the circular base thereof so that when engaged therewith its exterior configuration follows that of the bill. In the end of the pin is formed a conical socket 10 whose walls have the same taper as those of the extremity 4, and the bottom of the socket is counterbored as at 7 to permit the tip of said extremity 4 to enter it without becoming marred by grains of sand or other dirt which might accumulate in the socket and thus prevent a close fit between the pin and extremity.

The pin may be moved longitudinally within the sleeve by any preferred means, and, in the form of the invention chosen for illustration, it is provided with threads 8 engaging a threaded portion of the bore of the sleeve so that by rotating the pin it will be caused to move longitudinally of the sleeve toward or away from the hook. In order to turn the pin home snugly against the hook, an angular head 9 may be provided thereon which may be engaged by a wrench

or other tool to rotate the pin after it has been turned into contact with the hook by hand.

5 From the foregoing description it is thought the advantages of my device will be readily appreciated.

10 The main line or hauling cable is attached to the hook by means of the eye 2 in the usual manner, and after the hook has been engaged in the chain or other element
15 passed around the log, which its conical extremity facilitates, the locking pin is moved longitudinally within the sleeve 5 so as to engage the end of the hook and fit over the extremity of the same. In order to prevent
20 the accidental disengagement of the pin from the end of the hook, a wrench may be applied to the pin so as to tighten it against the hook, as will be readily understood. When
25 the locking pin is in engagement with the end of the hook it will completely bridge the space between the sleeve 5 and the extremity of the hook so that it will be impossible for the hook to slip from the attaching element
30 on the log. When the log has been hauled to the shipping point, the locking pin may be readily disengaged from the end of the hook and the hook disengaged from the chain, as will be readily understood.

30 My device is exceedingly simple in its construction and can be manufactured at a trifling cost while its efficiency for the in-

tended purpose will be found very pronounced.

Having thus described my invention, what I claim is: 35

A logging hook embodying a two-piece structure comprising a shank having at one end a head provided with an eye and at its other end a bill disposed at an outward divergent angle relative to the shank and terminating in a conical point, a shoulder projecting from the head and having a threaded bore extending obliquely to the axis of the shank, and a straight bolt engaging the bore and having its inner terminal provided with a conical seat to engage the point of the bill, the inner wall of the shank being straight from the head outward, and the like wall of the bill being abruptly curved and forming in conjunction with the opposed wall of the shank, a constricted chain link engaging crotch, the surfaces of the shank, bill and head being rounded, and the shoulder and bolt being of a configuration to present no obstructions when the hook is dragged over the ground. 40 45 50 55

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HARRY LEON TURNEY.

Witnesses:

WILLIAM T. CASEY,
EMIL CHRISTENSEN.