

April 30, 1929.

D. BAKER

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HOOK

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Fig. 1.

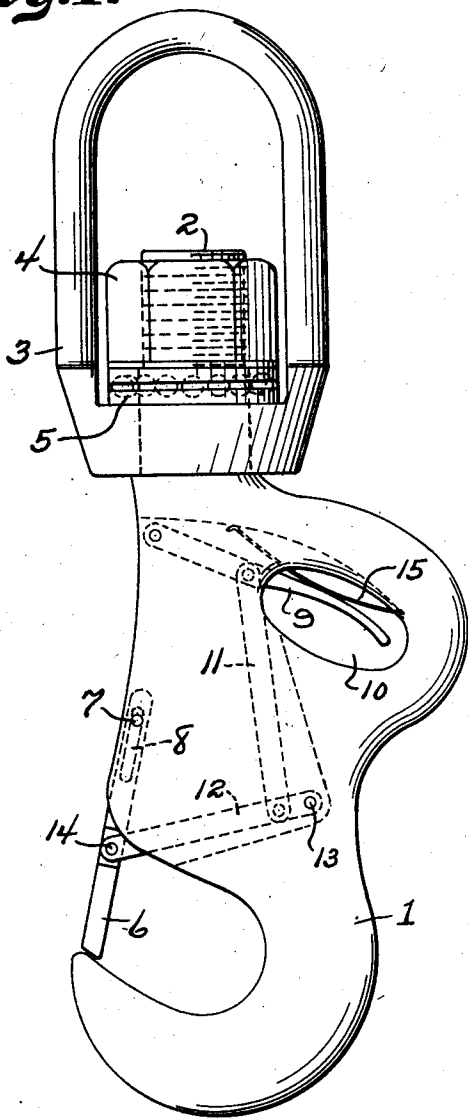
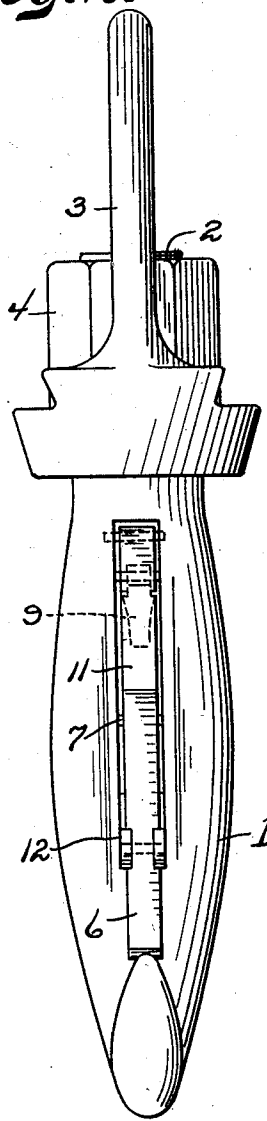


Fig. 2.



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WITNESS

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DELBERT BAKER, OF TULSA, OKLAHOMA.

HOOK.

Application filed February 27, 1928. Serial No. 257,493.

This invention relates to a hook especially designed for use in the oil fields for handling rods and tubing but which, of course, can be used for other purposes, the general object of the invention being to provide a latch for closing the hook to hold an object therein, with a trigger for releasing the latch to permit an object to be placed in the hook or removed therefrom.

10 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 claims.

15 In describing my 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:—

20 Figure 1 is an elevation of the improved device.

Figure 2 is an edge view thereof.

25 In these views, the numeral 1 indicates the body of the hook which is provided with a threaded stem 2 fastened to a hole in the shackle 3, a nut 4 being threaded to the stem to rotatably connect the parts together and anti-friction means 5 are placed between the nut and shackle to eliminate friction between the parts. A latch lever 6 is designed to close the mouth of the opening of the hook, this latch lever being pivotally and movably connected with the body 1 through means of the pin 7 carried by the body and passing through a slot 8 in the lever 6. A finger lever or trigger 9 is pivotally arranged in the body and has its finger part arranged in an opening 10 passing through the body so that the lever can be manipulated by a finger of the user. A link 11 connects the finger lever, intermediate its ends, with a lever 12 which is pivoted in the body, as shown at 13, and is pivoted at its other end to the lever 6, as shown at 14. A spring 15 engages the finger lever or trigger and acts to hold the parts with the latch lever 6 closing the mouth of the opening of the hook.

50 From the foregoing it will be seen that an object placed in the opening is locked therein by the latch lever 6 so that there is no danger

of the object coming out of the opening and by pressing upon the trigger, the links will move the latch lever to releasing position by sliding the latch lever upwardly so that an object can be placed in engagement with the hook or removed therefrom. As soon as the pressure is removed from the trigger, the parts will automatically move the latch lever to locking position.

60 Thus I have provided simple means for locking an object in the hook so that there is no danger of it becoming detached from the hook, such means being easily operable to move the locking member into inoperative position.

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

70 It is to be understood that I 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 claims.

What I claim is:—

75 1. A hook of the class described comprising a latch lever for closing the mouth of the opening of the hook, means for slidably and pivotally connecting the lever with the body of the hook, a trigger pivotally arranged in the body, a link pivoted at one end to the body and having its other end pivoted to the latch lever, a link connecting the first mentioned link with the trigger and a spring engaging the trigger for holding the parts with the latch lever in latching position.

80 2. A hook of the class described comprising a latch lever for closing the mouth of the opening of the hook, means for slidably and pivotally connecting the lever with the body of the hook, a trigger pivotally arranged in the body, a link pivoted at one end to the body and having its other end pivoted to the latch lever, a link connecting the first mentioned link with the trigger and a spring engaging the trigger for holding the parts with the latch lever in latching position, the body of the hook having an opening passing there-through for exposing the finger part of the trigger.

100 In testimony whereof I affix my signature.
DELBERT BAKER.