

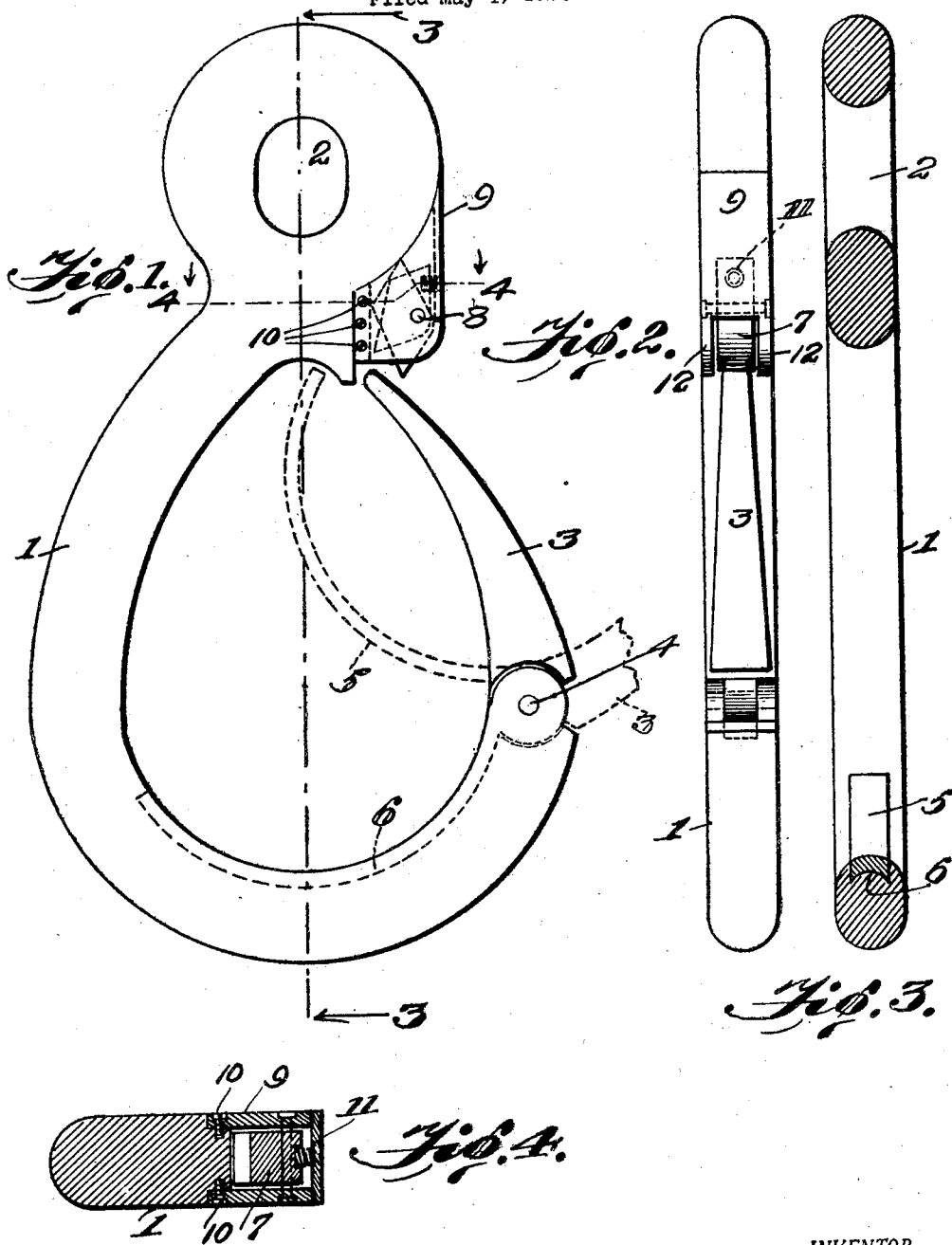
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J. R. KEATON

HOOK

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HOOK.

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To all whom it may concern:

Be it known that I, JAMES RALPH KEATON, a citizen of the United States, residing at Snohomish, in the county of Snohomish and State of Washington, have invented certain new and useful Improvements in Hooks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a hook, and more particularly to a hook used in the logging industry.

The object of the invention is the construction of a simple and efficient hook which cannot be accidentally unset or released when in operation or use.

Another object of the invention is the construction of a hook that is provided with an efficient catch device for holding the finger of the hook against accidental displacement or movement.

With the foregoing and other objects in view, my invention comprises certain novel combinations, constructions and arrangements of parts as will be hereinafter described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claims.

In the drawings:

Figure 1 is a view, in side elevation, of a device constructed in accordance with the present invention, while

Figure 2 is a front view of the same.

Figure 3 is a sectional view, taken on line 3-3, Fig. 1, and looking in the direction of the arrows

Figure 4 is a sectional view, taken on line 4-4, Fig. 1, and looking in the direction of the arrows.

Referring to the drawings by numerals, 1 comprises a hook body that is provided with an eye 2 for receiving an end of a line or cable. A finger 3 is pivotally mounted, at 4, upon the hook body, and this finger 3 is provided with a tongue 5 that rests in a groove 6, formed in the body, as shown in Figs. 1 and 3. When one end of a line or cable is in the hook, pressing upon the tongue 5, the finger 3 is held in position as shown in Fig. 1, with the catch 7 projecting far enough into the path of movement of the finger, to prevent the finger from swinging outward in the event the line or cable should become loose in the hook body. The catch 7 is pivotally mounted, at 8, upon a casing 9, which casing 9 is held by screws

10 against the hook body, near the eye 2. In the casing 9 I place a coil spring 11, which coil spring 11 bears at one end against the casing, and at its other end against the upper or inner portion of the catch 7, whereby the catch is normally extended, as shown in Fig. 1, so that it is in the path of movement of the finger 3 to prevent the finger from being accidentally moved, so as to prevent the accidental displacement of a line or cable off the hook, thereby preventing an accident.

The operator can push the protruding end of catch 7 back into the casing 9, against the exertion of the spring, sufficient to allow of the finger 3 to swing outward to release a line or cable that may be in the body of the hook, but by reason of my novel construction such releasing of a line or cable cannot be accidentally accomplished.

Upon referring to Fig. 2, it will be noted that the lower or inner ends 12, of the casing 9, extend parallel, and form a guide for the catch 7 to work in, also allowing of a good finger space for the operator to engage the catch to actuate the same when it is desired to release the finger 3.

While I have described the preferred embodiment of my invention, and have illustrated the same in the accompanying drawings, certain minor changes or alterations may appear to one skilled in the art to which this invention relates, during the extensive manufacture of the same and I, therefore, reserve the right to make such alterations or changes as shall fairly fall within the scope of the appended claims.

What I claim is:

1. In a device of the class described, the combination with a body, of a casing carried by the upper portion of said body and open at its lower end to provide spaced depending side walls, a finger pivotally mounted on said body and having its outer end positioned contiguous the lower end of said casing and adapted to have a slight movement between the depending side walls while moving into and out of an operative position, and a catch pivotally mounted said casing in a vertical position and having its lower end portion extending between the depending side walls and normally extending into the path of movement of said finger and adapted to be swung upwardly into the casing for allowing the finger to be released.

2. In a device of the class described, the combination with a body, including an eye and a bill portion, of a catch-carrying casing detachably mounted upon said body at the junction of the bill and eye, said casing provided with extended parallel side walls, a catch pivotally mounted in said casing in a vertical position and having its lower end portion extending between said parallel walls of the casing, a spring in said casing between a part of the casing and the upper end portion of the catch to yieldably resist movement of the catch to an operative position, and a finger hingedly mounted on the bill portion of said body and adapted to have its outer end under or behind the catch when in a locked position and also adapted to move outwardly between the extended walls of the casing in an unlocked or released position, substantially as shown and described.

In testimony whereof I hereunto affix my signature.

JAMES RALPH KEATON.