

W. REMSNYDER.

SAFETY GRAB.

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933,583.

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Fig. 1.

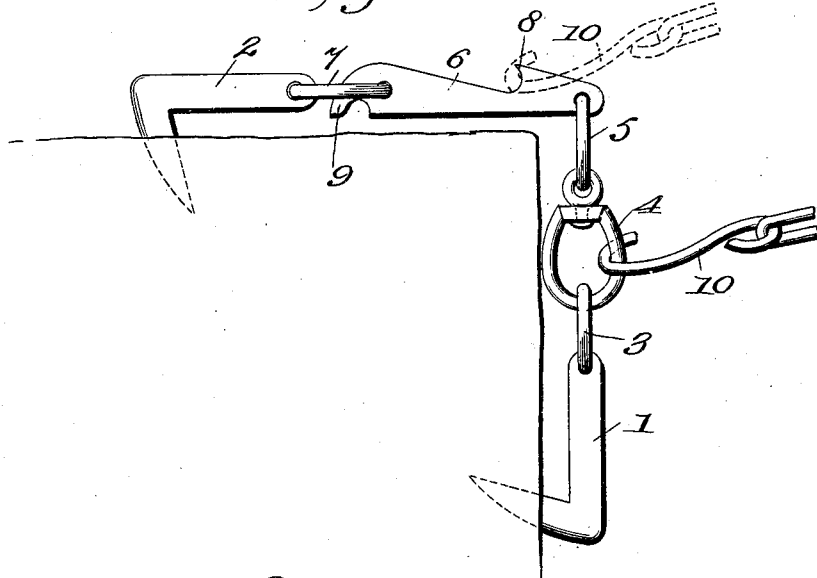
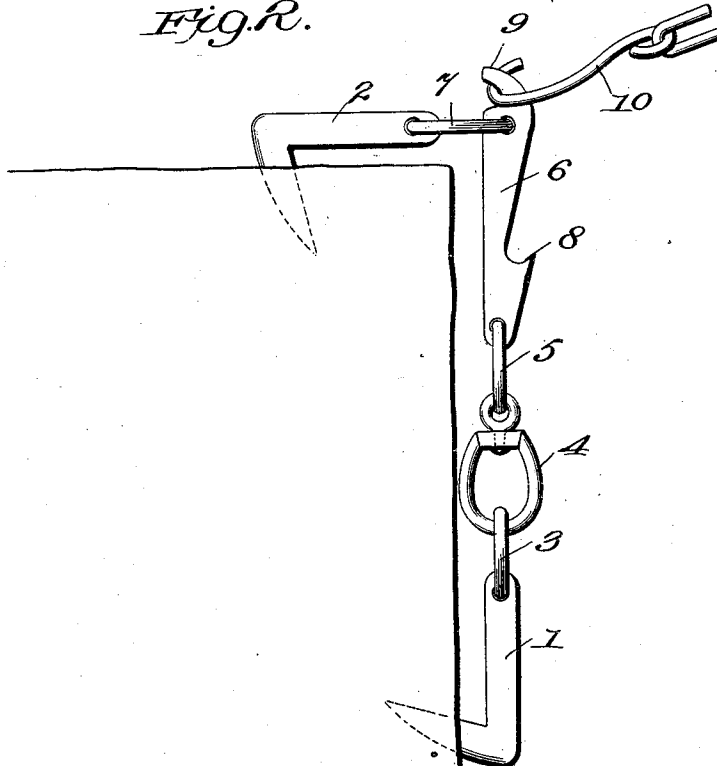


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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SAFETY-GRAB.

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To all whom it may concern:

Be it known that I, WILLIAM REMSNYDER, a citizen of the United States, residing at Muncy Valley, in the county of Sullivan and State of Pennsylvania, have invented certain new and useful Improvements in Safety-Grabs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in safety grabs for handling logs in the woods, and the object of my invention is to provide a device which can be used either as a crotch or as a trailing grab, that can be fitted to large or small logs, and that is so arranged that it can be readily and automatically detached from the whiffletree in going down hill.

With these objects in view, my invention consists in the construction and combinations of parts as hereinafter described and claimed.

In the accompanying drawings—Figure 1 is a perspective view of my invention as applied to a small log, and Fig. 2 is a similar view as applied to a larger log.

My invention consists of two pointed hooks 1 and 2, preferably thickened on the end so that they may be driven into the sides or ends of the logs, by a sledge hammer, as usual, and provided with chisel points. The hook 1 is attached to a link 3 and to this is attached a swivel joint 4, the other end of said joint being attached to a link 5, which is also attached to a safety piece 6, which is connected by a link 7 to the hook 2. This safety piece is provided with two hook portions 8 and 9.

10 represents a hook attached to the swingletree and adapted to be engaged either with the swivel 4 or with either one of the hooks 8 or 9, as shown on the drawing.

In case of a small log, the hook 2 is driven into the side of the log and the hook 1 into the end thereof, with the safety piece 6 parallel to the side of the log, as shown in Fig. 1. In case of larger logs, the hooks are similarly driven into the side and end of the log, but with the safety piece parallel to the end of the log, as shown in Fig. 2. The hook 10 may be attached either to the swivel 4 or to either one of the hooks 8 or 9, when the log is being hauled down hill.

Crotch and trailing grabs are absolutely necessary in handling logs in the woods. My

invention can be used as a crotch grab and a trailing grab because of the hooks 8 and 9 in the safety piece, which when the log is being pulled down hill, will give a chance for the whiffletree to drop out of the hook, thus preserving men and horses from danger. Furthermore, my safety grab can be manufactured at a less cost than the crotch grabs, saving both labor and iron. Furthermore, it does away with heavy work which, with the grabs now in use, is often caused by the turning of the log in such a way as to let the same ride on the chain and the grab. This on a level or up hill pull is very hard on the horses and also on the roads. This objection is entirely avoided by my invention, which can be fastened to the top and end of the log. The expense of handling is also lessened by my invention, because said invention can be adjusted to a log in any position in which it is found, while the grabs now in use require in most cases the use of cant hooks and heavy lifting in order that the grabs may be properly adjusted.

When the hook 10 is engaged with the swivel, a center pull is given, which is used on a level or uphill haul. If the haul is downhill, the hook can be readily shifted to one of the points 8 or 9 on the safety piece 6, and if the hill is steep so that the log tends to slide down and strike the horses, the whiffletree hook will drop out and the log can be allowed to slide downhill by itself.

I claim:—

1. A safety grab, comprising pointed hooks, a safety piece which may be arranged parallel either to the side or the end of the log, said safety piece being provided with a side hook and an end hook, and connections between said safety piece and said first named hooks, substantially as described.

2. A safety grab, comprising pointed hooks, a swivel joint connected to one of said hooks, and a safety piece connected to the other of said hooks and to said swivel, said safety piece being provided with a side hook and an end hook, substantially as described.

In testimony whereof, I affix my signature, in presence of two witnesses.

WILLIAM REMSNYDER.

Witnesses:

E. J. MULLEN,
MAX FRANKEL.