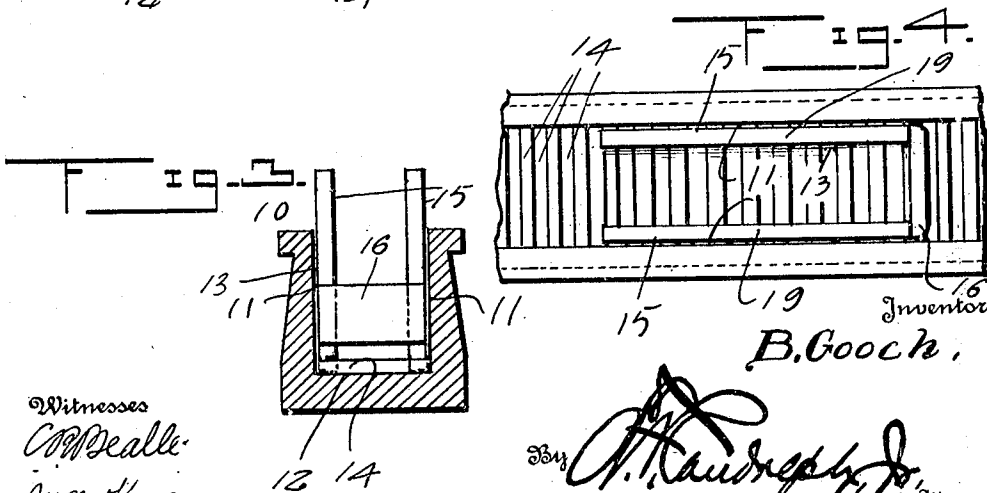
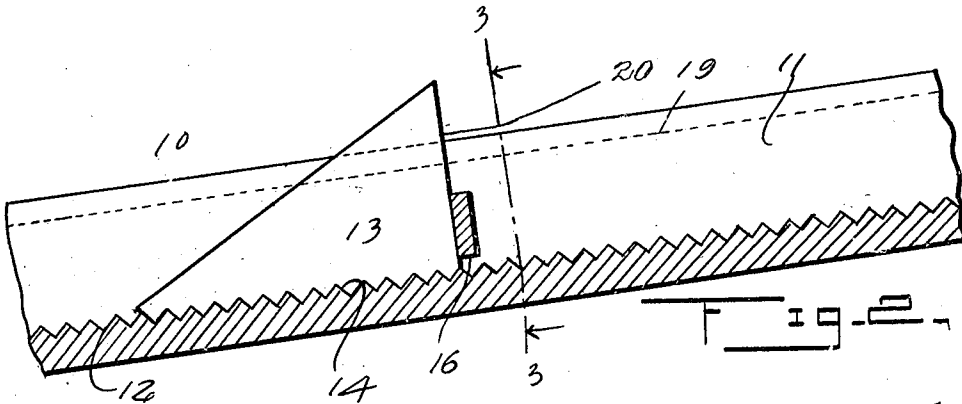
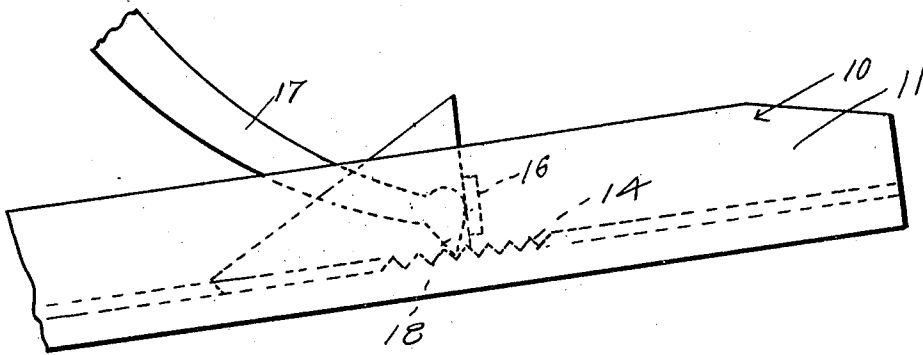


B. GOOCH.
MACHINE SKID.
APPLICATION FILED MAY 15, 1918.

Patented Jan. 21, 1919.

1,291,836.

Fig. 1 -



Witnesses
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UNITED STATES PATENT OFFICE.

BERT GOOCH, OF JOHNSTON CITY, ILLINOIS, ASSIGNOR OF ONE-HALF TO ROBERT M. McMULLIN, OF JOHNSTON CITY, ILLINOIS.

MACHINE-SKID.

1,291,836.

Specification of Letters Patent.

Patented Jan. 21, 1919.

Application filed May 15, 1918. Serial No. 234,819.

To all whom it may concern:

Be it known that I, BERT GOOCH, a citizen of the United States, residing at Johnston City, in the county of Williamson and State of Illinois, have invented certain new and useful Improvements in Machine-Skids; 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.

The object of the invention is to provide a skid adapted to be used in moving heavy machinery particularly on inclines or where it is necessary to move the same, and this applies particularly to mining machinery, from one level to another and where the distance is insufficient to justify the use of hoisting or hauling mechanism, and a further object of the invention is to provide a means for this purpose which may be operated readily by the ordinary workman or mechanic and which will retain the machine in the desired position or at any point in its movement without employing auxiliary devices for chocking or anchoring.

Further objects and advantages will appear hereinafter, it being understood that changes in form and proportion, in adapting the device to various uses, may be resorted to within the scope of the appended claims without departing from the spirit of the invention.

In the drawing:

Figure 1 is a side view of the device showing a claw bar in operative relation therewith.

Fig. 2 is a longitudinal sectional view of the same showing the follower in side elevation.

Fig. 3 is a transverse sectional view.

Fig. 4 is a plan view of a portion of the device.

The skidding device embodying the invention consists essentially of a track member 10 having lateral guide walls or flanges 11 and a ratchet toothed floor forming a rack bar 12, and a follower 13 having a ratchet toothed base 14 and side walls 15 connected at one end by a transverse member 16, forming a fulcrum or bearing.

In connection with these elements there is used a claw bar 17 of the ordinary construction, the nose 18 thereof being adapted to engage the teeth of the rack bar in the bottom

of the guide member while the head bears against the member 16 so as to afford the leverage necessary to advance the follower and the machine engaged thereby in the desired direction, such advance obviously being conducted by a step by step movement.

The guide member may be disposed at any desired angle according to the required direction of movement of the machine, and when the latter has reached the desired elevation, or any intermediate point, the engagement of the follower with rack on the bottom of the guide member will serve to lock the parts in their adjusted relation so that the machine is held firmly in place without the use of auxiliary anchoring means.

As will be obvious, an apparatus such as described may readily form a part of the usual equipment of a mine or machine used in a mine or otherwise, and may readily be transported from place to place and applied without preparation when it is desired to move a machine to a greater or less extent, and particularly when it is necessary to move the same upon an inclined surface or from one elevation to another.

It will also be obvious that the movement of the follower in the guide member is definitely controlled by the side walls of the latter with which the side surfaces of the former are substantially in contact, there being only a sufficient interval to provide for relative movement without undue friction.

It will also be obvious from the foregoing description that the follower is reversible in position with relation to the guide member, the inclined edges 19 thereof permitting freedom of movement of the claw bar, and in practice the follower may be stamped from plate steel of a suitable gage and subsequently folded or bent as shown so that the cost of manufacture is relatively minimized. The abrupt or perpendicular edges 20 are placed against any suitable or available portion of the base of the machine to be moved, so that the latter slides on the upper edges of the guide flanges 11 as the follower advances.

Having described the invention, what is claimed is:

1. A skidding apparatus having a laterally flanged guide member provided with a toothed bottom, and a cooperating follower disposed between said guide walls and hav-

ing a toothed base for engagement with the bottom of the guide member.

2. A device for the purpose described having a guide member provided with parallel side walls and a toothed bottom, and a follower mounted between said side walls and having a toothed base for engagement with the bottom of the guide member, said follower being provided with corresponding side walls provided at one end with abrupt bearing edges and a connecting fulcrum member.

3. A device for the purpose described consisting of a parallel walled guide member having a ratchet toothed bottom and a follower having side walls disposed to operate

adjacent to the inner surfaces of the walls of the guide member and provided with a ratchet toothed base for engagement with the bottom of said guide member, the teeth on the bottom of the guide member forming seats for successive engagement by a claw bar and the follower having a transverse fulcrum member, to provide a bearing for the claw bar.

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

BERT GOOCH.

Witnesses:

J. M. ROBINSON, Jr.,

GEORGE HEDLEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."