

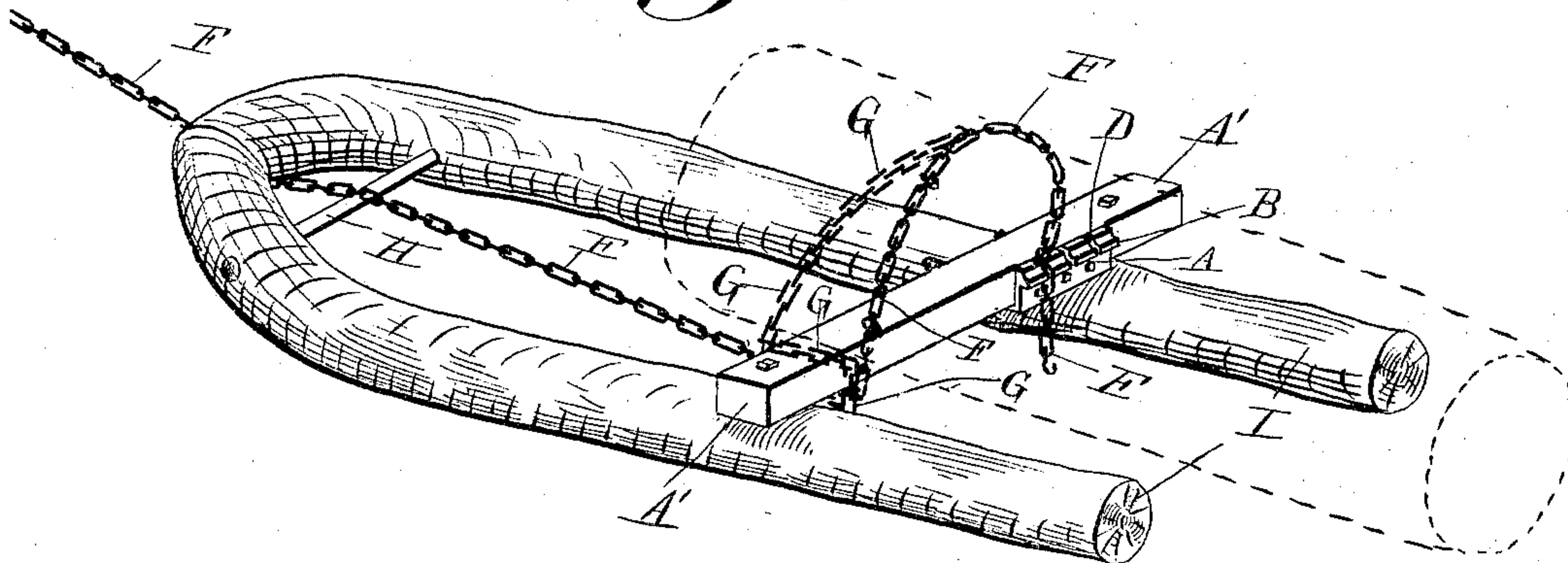
(No Model.)

O. MARCOTTE.  
LOG HAULING DEVICE.

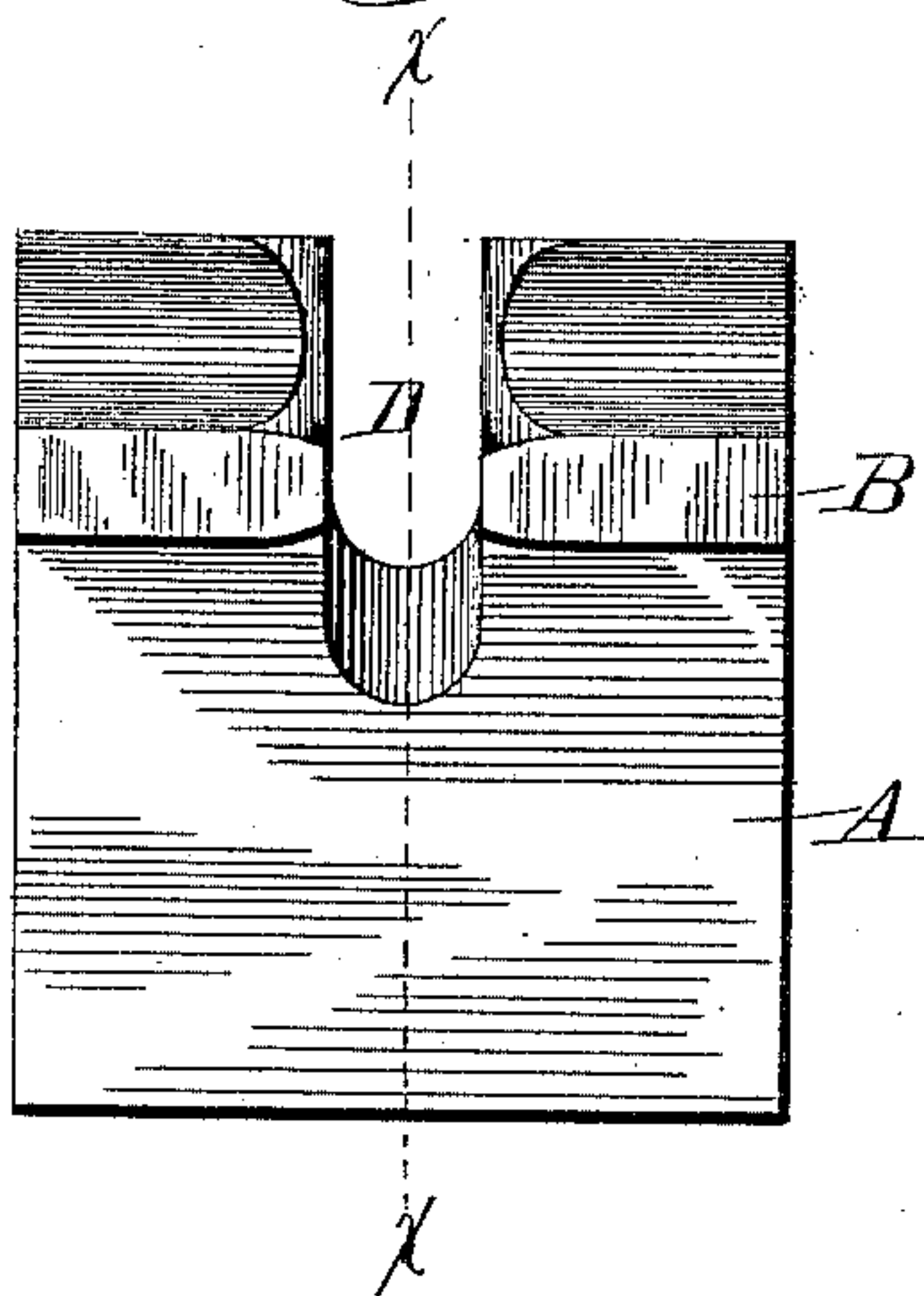
No. 431,169.

Patented July 1, 1890.

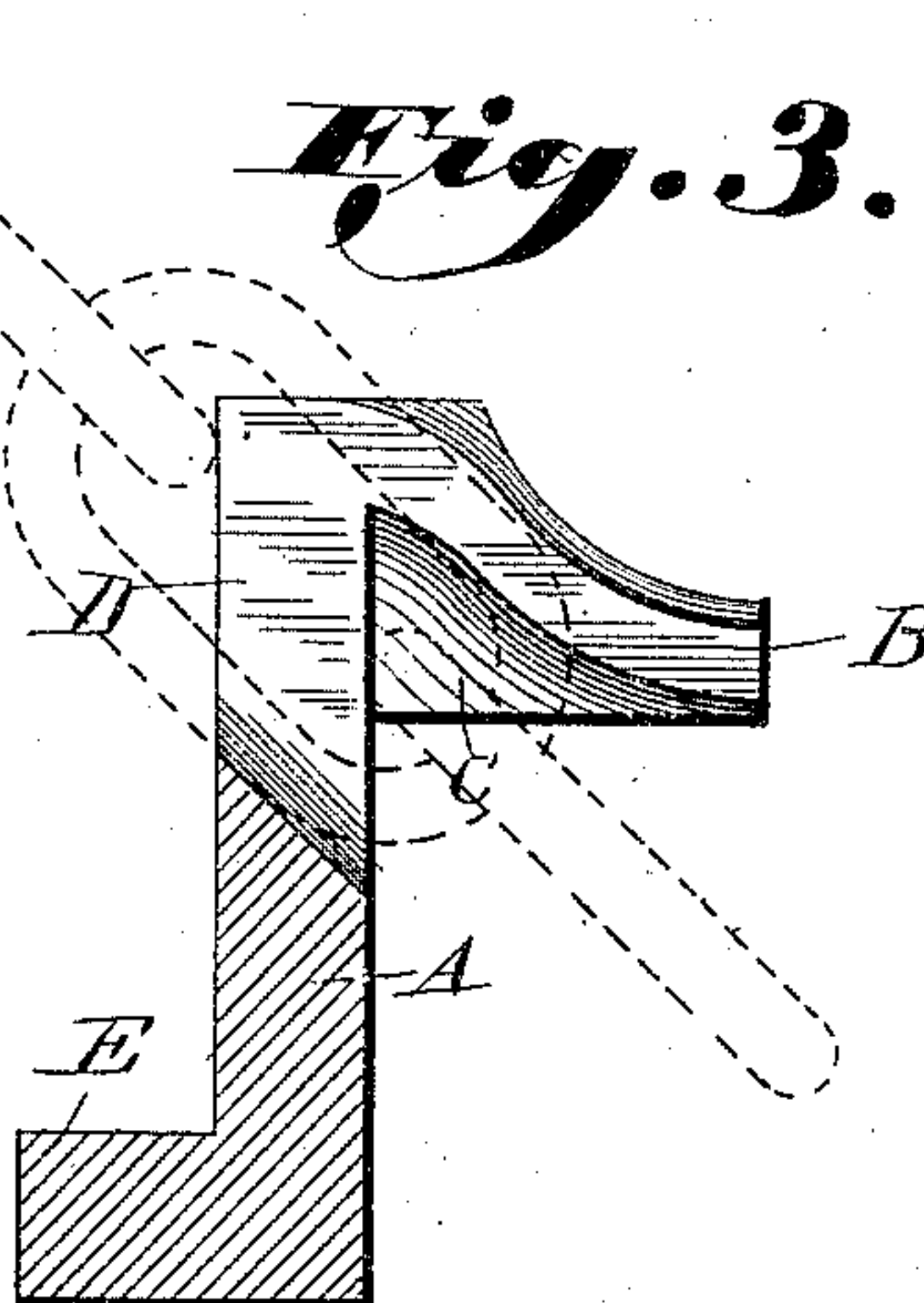
*Fig. 1*



*Fig. 2*



*Fig. 3.*



Witnesses:  
Fred. W. Cornwall,  
E. J. Wacker

Inventor  
Oliver Marcotte,  
per Jos. H. Hunter,  
his Atty.



# UNITED STATES PATENT OFFICE.

OLIVER MARCOTTE, OF STETSONVILLE, WISCONSIN.

## LOG-HAULING DEVICE.

SPECIFICATION forming part of Letters Patent No. 431,169, dated July 1, 1890.

Application filed October 16, 1889. Serial No. 327,221. (No model.)

*To all whom it may concern:*

Be it known that I, OLIVER MARCOTTE, a citizen of the United States, residing at Stetsonville, in the county of Taylor and State of Wisconsin, have invented certain new and useful Improvements in Log-Hauling Devices, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a grab-plate for skidding-chains on travois; and it consists in the construction and arrangement of parts, which will be more fully hereinafter described and claimed.

The object of my invention is to provide a simple and effective grab or clamp plate for the end of a skidding-chain, constructed in a manner to permit an easy and quick locking and unlocking of the chain when occasion demands. I attain these objects by the construction illustrated in the accompanying drawings, forming a part of this specification, in which like letters of reference indicate corresponding parts wherever they occur, and in which—

Figure 1 is a perspective view of a travois having my grab-plate thereon and the skidding-chain in its locked position. Fig. 2 is a front elevation of a section of the plate, and Fig. 3 is a vertical section of the same on line  $xx$ .

In the drawings, A represents the grab-plate, which is preferably constructed with an even vertical web or central portion, from the upper end of which projects at right angles a flange or tongue B, having a curved upper face and a depressed or chambered under face C, which increases in depth from the outer edge. A slot or groove D is made transversely through the center of the flange and part way down the vertical portion of the plate, the size of which is governed by the size of the chain-links used. The lower wall of this groove is carried below the flange B, and is beveled or inclined from the outer face of the plate upward.

It will be seen, as indicated in dotted lines in Fig. 3, that as the link of the chain is placed in the groove D and drawn up the following link will be drawn snugly in the chamber C and the preceding link will assume a position

below the upper face of the plate and back of the upper corner or angle, thereby preventing the chain from moving either up, down, or sidewise, but locking it securely in place. On the under edge of this plate is formed an extension E, which fits under the supporting-bar to receive the vertical strain placed on the plate.

In practice my plate is placed on the rear of the travois-bunk or supporting-bar A', bolted on the top of the runners I. It may be constructed with a series of grooves and chambers to permit the adjustment of the chain in relation to the size of the log to be secured. The skidding-chain F is drawn over the log and its end is secured in the grab-plate. The bunk-chain G is drawn over the log and secured to the skidding-chain on opposite side to plate, thus securing the log on all sides. The bunk-chain is only needed when skidding on side hill. When it is desired to release or detach the end of the skidding-chain, it is only necessary to slightly raise the same until the link above the groove is raised over the corner of the plate. It is then carried down the inclined upper face of the flange, and the link locked in the groove is released. This construction of plate forms a very strong and effective grab or clamp, and by practice a slight twist or jerk of the chain will release the link. It, however, prevents the link from becoming detached by the free end of the chain catching in grubs or bushes when in transit.

I am aware that many minor changes in the construction and the arrangement of the parts of my device can be made and substituted for those shown and described without in the least departing from the nature and principle of my invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A grab-plate consisting of a plate having a flange on its edge, which is formed with one or more chambers in its under face, said plate and flange having one or more vertical grooves formed therein, substantially as described.

2. A grab-plate consisting of a plate having a flange thereon which has one or more chambers in its under face and a curved upper

face, said flange and plate having one or more vertical grooves formed therein, substantially as described.

3. A grab-plate consisting of a plate A, having a flange B, with a curved upper face and one or more chambers in its under face, one or more grooves formed in the plate and flange passing through the chambered por-

tion, and an extension E on the lower side of the plate, substantially as described. 10

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

OLIVER MARCOTTE.

Witnesses:

T. G. JEFFERS,  
ED. T. WHEELLOCK.