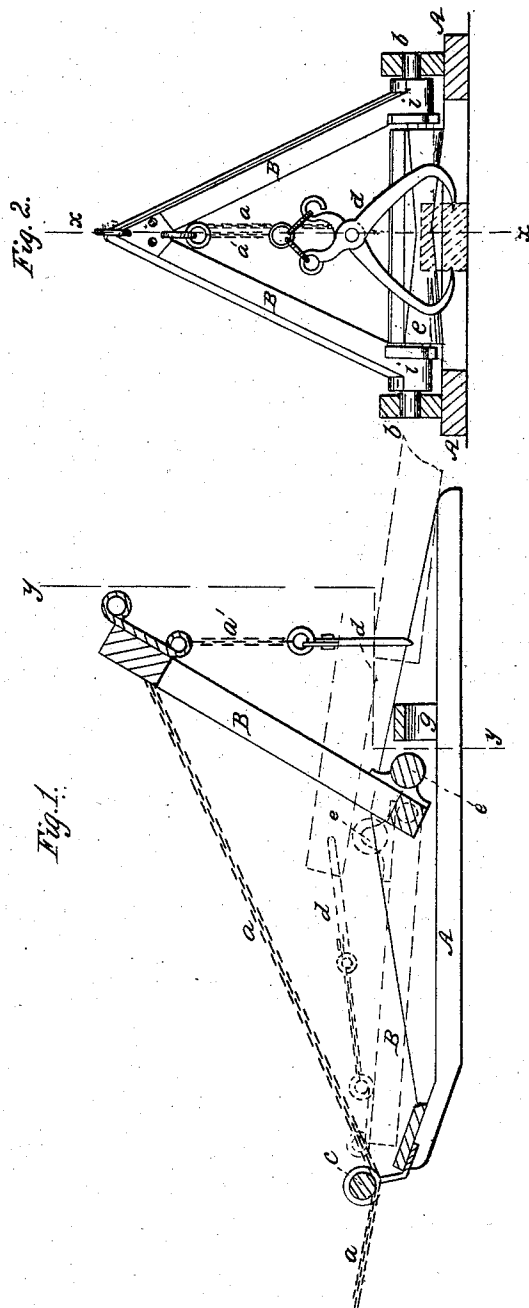


C. W. MOSHER.

Log Sled.

No. 80,654.

Patented Aug. 4, 1868.



Witnesses:

Wm. A. Morgan
G. C. Cottar

Inventor:

C. W. Mosher
per Munnell
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United States Patent Office.

CHARLES W. MOSHER, OF EAST LEON, NEW YORK.

Letters Patent No. 80,654, dated August 4, 1868.

IMPROVED LOG-SLED.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES W. MOSHER, of East Leon, in the county of Cattaraugus, and State of New York, have invented a new and improved Log-Sled; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal vertical section of my improved log-sled, through the line *x x*, Figure 2, which latter is a cross-section of the same, through the line *y y*, fig. 2.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a log-sled or boat with means to enable the logs to be taken on to the sled through the draught-force exerted by the cattle hitched thereto.

It consists of an angular or arched frame, vibrating on trunnions, which latter have bearings in the sides or runners of the sled, or in suitable pieces of timber affixed thereto, together with a chain and log-hooks, so arranged that the draught-force of the team will act to raise the log and draw it forward upon the sled.

In the drawings—

A are the runners, and B a triangular frame, of stout timber, vibrating thereon, by means of trunnions *b b*, formed by reducing the ends of the horizontal part of the frame B.

This frame is provided with a roller, *e*, having bearings affixed to the said frame in such a position as to bring the roller slightly above the bottom part of the frame, when the latter is vertical.

A chain, *a'*, having log-hooks *d*, of any suitable construction, attached, is secured to the upper part of the frame B.

The draught-chain *a* is also attached to the upper part of the frame, and passed forward under a roller or pulley, *f*, the bearings of which are affixed to the front cross-brace of the sled, as shown.

g is a rear cross-brace.

The chain *a* is the draught-chain of the sled, and is connected with the yoke in the usual way, but may be taken up or shortened, if desired, in any suitable manner, after the log is on the sled.

In the operation of loading, the sled is backed up to the end of the log, with the frame B leaning backward, toward or against the cross-brace *g*.

The hooks *d* are set into the adjacent end of the log and the team driven forward, when the frame B will be raised and the end of the log lifted above the cross-piece *g*, and as the draught on the frame still continues, the latter will be brought forward to the position shown in red color, and thereby bring with it the log, (as shown also in red color,) which encounters the roller *e*. The frame B is drawn forward, and the log is thus assisted by the roller to be drawn clear of the ground.

When the frame and log have been located on the sled, as shown by the red outlines, the sled may be drawn forward to transport the log hence.

I claim as new, and desire to secure by Letters Patent—

A log-sled, having the roller *f*, chain *a*, swinging frame B and its accessory roller *e*, chain *a'*, and any log-hooks *d*, all substantially as shown and described, and for the purpose set forth.

CHARLES W. MOSHER.

Witnesses:

GEO. STRAIGHT,
MARION J. RICH.