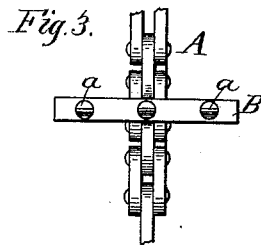
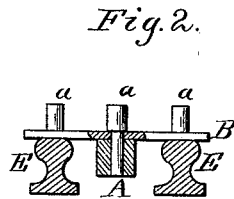
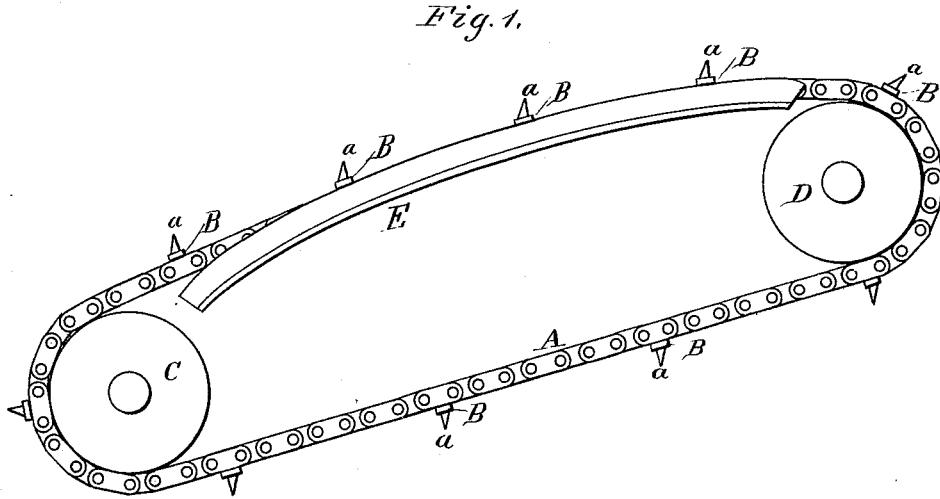


W. R. SHADMAN.
Log-Carrier.

No. 197,295.

Patented Nov. 20, 1877.



WITNESSES:

Henry N. Miller
J. N. Scarborough.

INVENTOR:

W. R. Shadman
BY Mumt Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM R. SHADMAN, OF WILLIAMSPORT, PENNSYLVANIA.

IMPROVEMENT IN LOG-CARRIERS.

Specification forming part of Letters Patent No. **197,295**, dated November 20, 1877; application filed October 26, 1877.

To all whom it may concern:

Be it known that I, WILLIAM R. SHADMAN, of Williamsport, in the county of Lycoming and State of Pennsylvania, have invented a new and Improved Log-Carrier, of which the following is a specification:

Figure 1 is a side elevation of my improved log-carrier; Fig. 2, a transverse section of the carrying-chain and track. Fig. 3 is a plan view of a portion of the carrying-chain.

Similar letters of reference indicate corresponding parts.

My invention relates to log-carriers, for elevating logs from the water in which they are floated, and for transferring logs from one body of water to another.

The invention consists in an endless chain running on suitable wheels, and carrying, at short intervals, transverse bars armed with sharp spikes, the said bars being provided with an upwardly-curved track, over which they travel as the chain is rotated.

In the drawing, A is an endless chain, composed of flat links, secured together by rivets, and having at short intervals transverse bars B, secured to it by bolts or rivets. The bars B are provided with chisel-shaped spikes *a*, which project a short distance, and are designed to engage the logs as the chain is rotated.

C D are chain-wheels, which carry the endless chain A, the upper wheel, D, being driven by connection with any suitable power. The inclination of the endless chain corresponds with the place and requirements under which it is used.

At each side of the chain, and underneath the upper transverse bars B, are upwardly-curved rails E, supported by suitable framework. The lower end of these rails is turned downward, so that the bars B may readily pass from the lower wheel, C, to the rails.

The carrier is principally designed for transferring logs from one body of water to another, and when so employed it is placed on the dam or embankment that separates the two bodies of water, with the lower chain-wheel, C, in the water from which the logs are to be taken, and the track, consisting of the rails E, running to the top of the dam or embankment. As the chain is rotated the logs are floated over its lower end, and are engaged by the spikes in the bars B, and carried upward over the track, and moved forward into the body of water upon the opposite side of the embankment.

By means of my improvement, logs may be raised continuously without fastening them to the chain, and they may be transferred from one body of water to another more rapidly than by other means now in use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The endless chain A, having spiked transverse bars B, the driving-wheel D, and the curved track-bars E, in combination, substantially as herein shown and described.

WILLIAM R. SHADMAN.

Witnesses:

HENRY E. SUTTON,
J. L. RANCK.