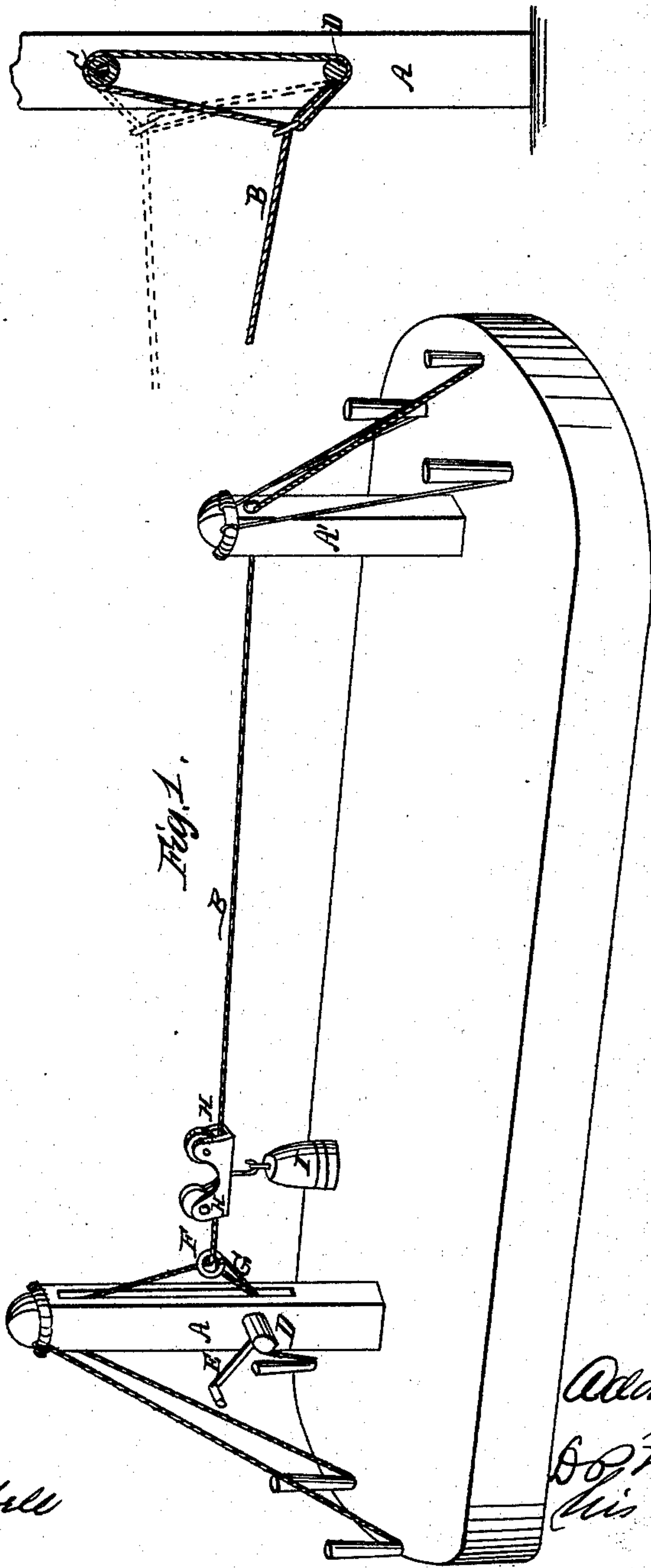


A. W. CRAMER.
 ADJUSTABLE TRACK FOR CONVEYING LOADS BY GRAVITY ONLY.
 No. 68,959. Patented Sept. 17, 1867.



Witnesses.
 Charles Clausen
 James Campbell

Inventor
 Adam W. Cramer
 by
 D. J. Holloway
 his atty -

United States Patent Office.

AVON W. CRAMER, OF BETHANY, PENNSYLVANIA, ASSIGNOR TO HIMSELF
AND WILLIAM D. BROOKS, OF THE SAME PLACE.

Letters Patent No. 68,959, dated September 17, 1867.

IMPROVEMENT IN ADJUSTABLE TRACK FOR CONVEYING LOADS BY GRAVITY ONLY.

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, AVON W. CRAMER, of Bethany, in the county of Wayne, and State of Pennsylvania, have invented a new and improved Adjustable Track for Conveying Loads by Gravity only; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a vertical longitudinal section.

The same letters are employed in all the figures in the indication of identical parts.

This invention consists in the attachment between two points of suspension of a wire or rope so arranged that the inclination may be reversed at will by the use of mechanism, operating in the manner now to be described, and in placing upon the track thus formed a carriage, which, with the alternations in the inclination of the rope, will traverse it in alternate directions, carrying with it a load, to be deposited at any intermediate point, as desired.

A and A' are two posts, representing the points of attachment of the ends of the wire or rope B, which is firmly and permanently secured at one end. The other end is carried over a sheave, C, and thence around the axle D, which may be turned by the winch E or by gearing. F is an eye, through which passes the rope or wire B, the eye being large enough to travel freely upon the wire. G is a cord connecting the eye F with the axle D, and so wound around the same in the direction opposite to the coil of the rope or wire B, that, as one is wound upon the axle, the other will be unwound. Thus, as the wire or rope B is unwound, the cord G will be wound upon the axle, and drawing down the eye F upon the wire or rope B, it will keep the track B taut. The sheave C and axle D are so placed that the level of the point of attachment of the rope shall be about midway between them. Thus, when the track is raised to the level of the sheave, it will have a downwardly inclination from the sheave; when the eye F is drawn near to the axle D, the track will have a downwardly inclination towards the axle. By means of this alternation the truck H will be made to traverse the rope by gravity merely in each direction, carrying the weight I, which may, by a cord or other device, be made to disengage itself at any point intermediate between the two points of suspension.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The truck H, in combination with the track B, formed by a wire or rope adjustably suspended at one end, that its inclination may be reversed, substantially in the manner set forth.
2. The combination of the track B, formed by a wire or rope, the sheave C, axle D, eye F, and cord G, arranged to reverse the inclination of the track, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

A. W. CRAMER.

Witnesses:

JNO. McINTOSH,
WM. KIMBLE.