

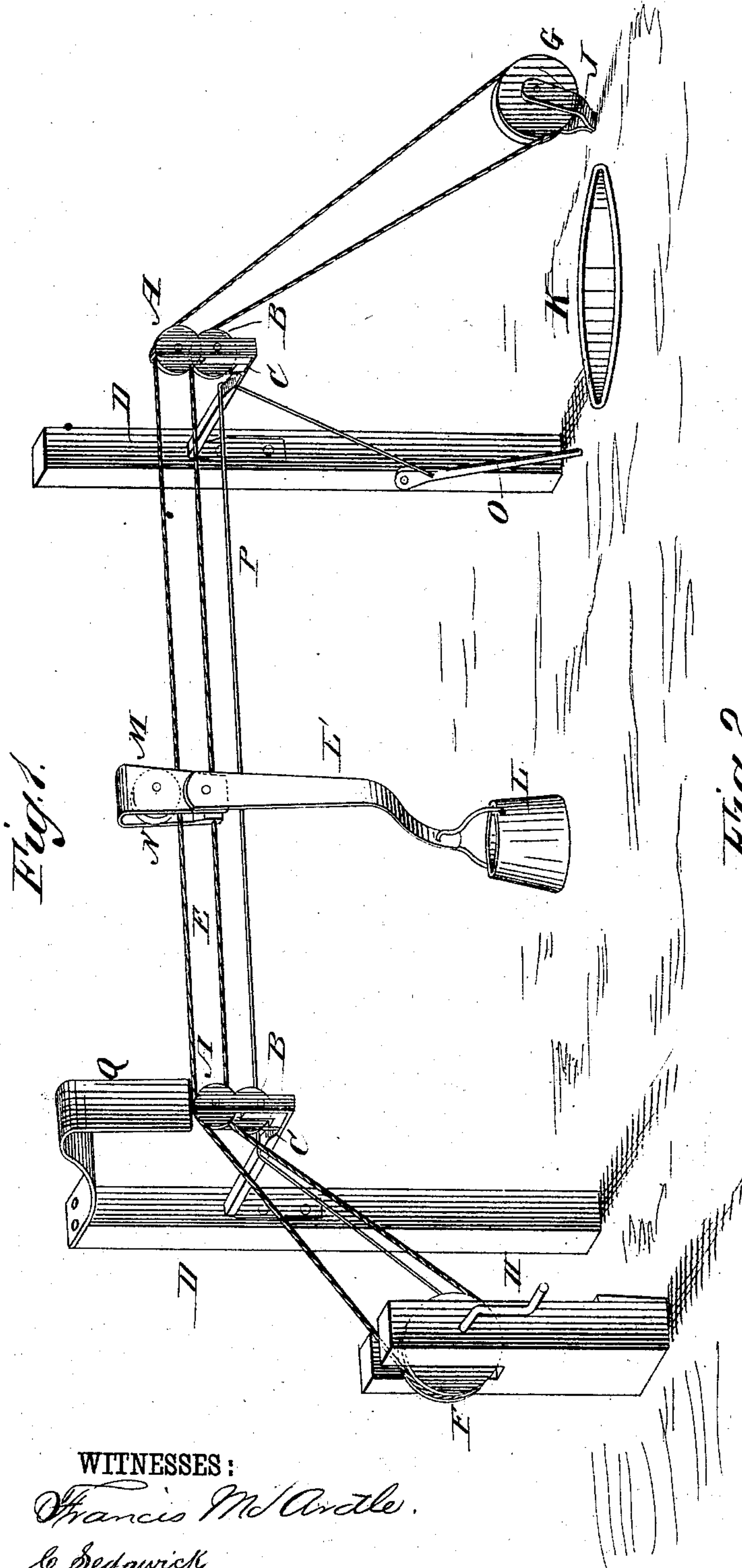
(No Model.) C. W. CRISMON & A. F. WHITAKER.

J. W. ROWDEN, administrator of A. F. WHITAKER, deceased.

ENDLESS CABLE CARRIER.

No. 280,295.

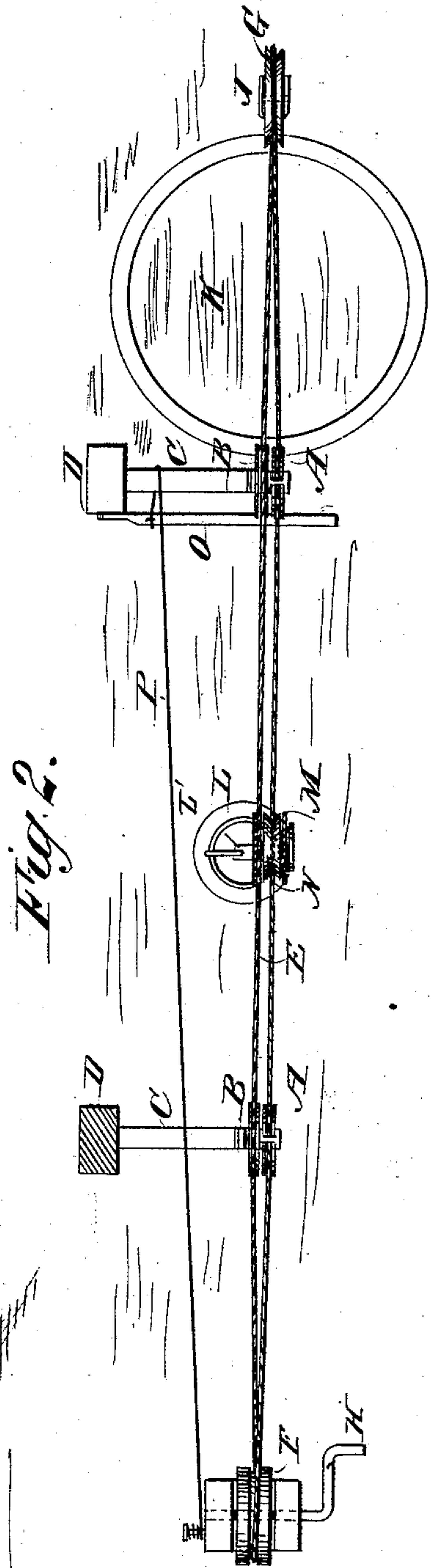
Patented June 26, 1883.



WITNESSES :

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UNITED STATES PATENT OFFICE.

CARRELL W. CRISMON AND ARGALUS F. WHITAKER, OF VIENNA, MISSOURI;
JAMES W. ROWDEN ADMINISTRATOR OF SAID WHITAKER, DECEASED.

ENDLESS CABLE CARRIER.

SPECIFICATION forming part of Letters Patent No. 280,295, dated June 26, 1883.

Application filed November 24, 1882. (No model.)

To all whom it may concern:

Be it known that we, CARRELL W. CRISMON and ARGALUS F. WHITAKER, both of Vienna, in the county of Maries and State of Missouri, have invented a new and Improved Endless Cable Carrier, of which the following is a full, clear, and exact description.

The object of our invention is to provide a carrier for carrying water from a well to a house, and for carrying other articles.

The invention consists in a traveler mounted on an endless rope passing over pulleys at the ends of the section over which articles are to be carried and over pulleys on intermediate posts, from which traveler a bucket is suspended.

The invention also consists in a bar pivoted to one of the standards and attached to a rope which extends to the place from which the device is operated, which bar, when raised, tilts the bucket.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal elevation of our improved endless rope carrier. Fig. 2 is a sectional plan view of the same.

Two grooved pulleys, A B, are pivoted above each other to the ends of arms C of posts D in such a manner that the pulleys rotate in the vertical plane, the pulleys not being directly above each other, but in parallel planes—that is, the vertical plane of the pulleys will be at the sides of each other, as shown. An endless cable, rope, chain, or wire, E, passes over the pulleys A B and over end pulleys, F and G, of which the pulley F is journaled in a post or standard, or on some other suitable object, and is provided with a crank-handle, H. The other pulley, G, is journaled in a support, J, on the ground, or on a standard or other object.

If the device is to be used to draw and carry water, the pulley G must be so arranged that the well, tank, or cistern K will be between the pulley G and the nearest post D, as shown.

The bucket L or other vessel is suspended from a hanger, L', which is pivoted to a hook-shaped traveler, M, having a grooved pulley, N, which runs on the upper side of the cable

or wire E. The lower end of that shank of the traveler opposite the one to which the hanger is pivoted is secured to the lower side of the rope or cable, so that if the pulley F is turned the rope will be moved in the direction of its length and the traveler and the bucket will be moved with it. If the crank-handle is turned in one direction, the traveler M will move toward the cistern or tank K, and will run down the inclined part of the rope, whereby the pail L will be carried down into the cistern and then immersed. By turning the crank-handle in the reverse direction, the carrier and the pail will be carried back toward the pulley F.

If the device is used to carry water or other liquids, &c., into a cistern or tank at K, and the bucket is to be tilted, so that the contents will be poured into the cistern or tank, the bar O is used, which is pivoted to the post D adjoining the tank or cistern. A rope or wire, P, attached to the bar O runs over the arms C, and is secured to the standard in which the pulley F is journaled. By pulling on the rope P the bar O will be raised into the horizontal position, and as the pail strikes the bar O it will be tilted and its contents poured into the cistern, &c. In this manner water can be transported to a cesspool, or liquids can be transported in factories, or water carried to tanks for watering stock, &c.; or the device may also be used for various other purposes.

Any number of posts D may be provided, and the entire device may be made portable. Guides Q may be provided upon the posts D, to assist in retaining the traveler in position while passing the pulleys.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the standards D, the arms C, and the pulleys A B, of the endless cable or wire E, the pulleys F G, the traveler M, the hanger L', and the pail L, substantially as herein shown and described, and for the purpose set forth.

2. The combination, with the standards D, the arms C, and the pulleys A B, of the endless cable or wire E, the pulleys F G, the traveler M, the hanger L', pivoted to the traveler M, and the pail L, substantially as herein

shown and described, and for the purpose set forth.

3. The combination, with the standards D, the arms C, and the pulleys A B, of the endless rope or wire E, the pulleys F G, the traveler M, the hanger L', the pail L, the pivoted bar O, and the rope or wire P, substantially as herein shown and described, and for the purpose set forth.

10 4. In an endless rope carrier, the combination, with the rope E and the pulleys A B,

arranged above each other in parallel or vertical planes, of the traveler M, having a pulley, N, arranged to run upon the upper side of said rope, and being secured upon the lower side of said rope, substantially as shown and described, and for the purpose set forth. 15

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Witnesses:

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