(No Model.)

T. H. FERGUSON.

WATER CARRIER.

No. 494,851. Patented Apr. 4, 1893.

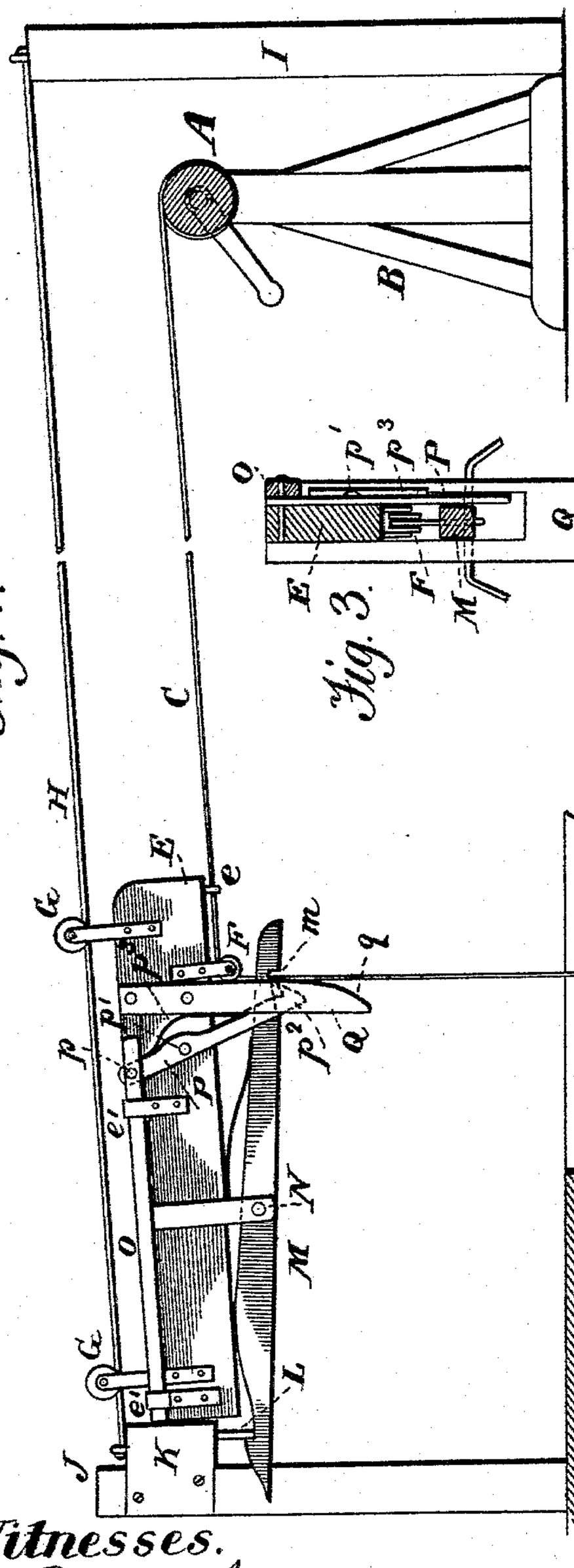

Fig. 1.

Fig. 3.

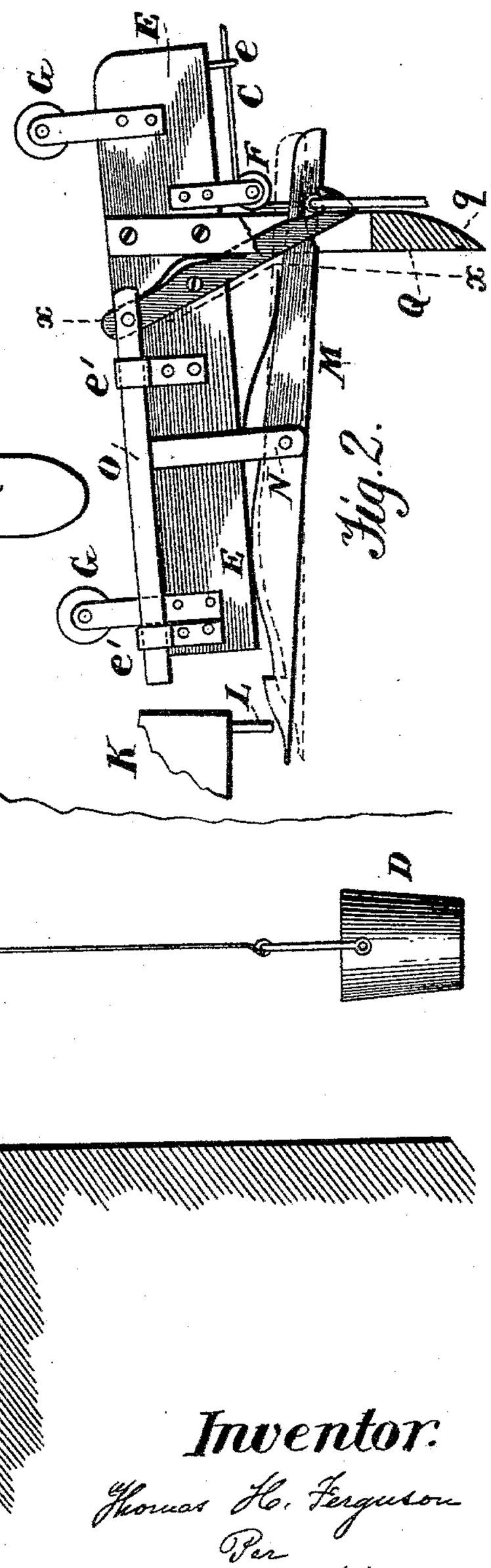

Fig. 2.

Witnesses.
A. Ruppert,
G. B. Fowles.

Inventor.
Thomas H. Ferguson
Per
Thomas P. Simpson
Atty

UNITED STATES PATENT OFFICE.

THOMAS H. FERGUSON, OF ROCKWOOD, TENNESSEE.

WATER-CARRIER.

SPECIFICATION forming part of Letters Patent No. 494,851, dated April 4, 1893.

Application filed December 10, 1892. Serial No. 454,693. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. FERGUSON, a citizen of the United States, residing at Rockwood, in the county of Roane and State of Tennessee, have invented certain new and useful Improvements in Water-Carriers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of the invention is to make certain improvements in water carriers so as to facilitate the operation thereof as hereinafter described.

Figure 1 of the drawings is a side-elevation with the windlass in section; Fig. 2 a detail view, in elevation and partly in section, of the carrier with its attachments; Fig. 3 a vertical section on the broken line *x x* of Fig. 2.

In the drawings, A represents the windlass with its bearings in a supporting frame B. To this windlass is attached one end of a rope C whose other end is secured to the bail of a bucket D.

E is the carrier having a guide-eye *e* through which passes the rope C and a suspended pulley F over which the rope also passes, while to its upper side are fastened the pulleys G G which run on an inclined track H made fast to the upper ends of the posts I J.

K is a buffer on the post J and L a catch projecting downward from the buffer—to lock the latch-lever M which is reversely notched on its ends and fulcrumed at the middle to a hanger N from the carrier E. This holds the carrier firmly in position while the bucket is being let down and drawn up. On the carrier E is a rod O which slides in guides *e' e'*, being moved backward when it strikes the buffer K which may be of any elastic material, and forward by means of the lever P which is pivoted thereto at *p*. The lever P is fulcrumed at *p'* to the carrier E and has a hook p^2 at its free end. p^3 is a spring which turns the lever P so as to throw forward the rod O when the latter does not rest against the buffer. The object of the hook p^2 is to hold the bucket bail when the bucket is being carried from the house or up to it. When the carrier has reached its destination, the rod O strikes the buffer, moves the lever P, backward and releases it from the bucket, thus allowing the latter to run down into the well or spring. As the bucket is raised by winding up the windlass, the bail strikes the bevel, incline or curved surface *q* of the hanging guide Q, which is fastened to the carrier E, and enters the notch *m* of the lever M. The latter is thus depressed at its front end and unlatched from the catch L, when the windlass moves the carrier away from the buffer. The spring p^3 now causes the hook p^2 to catch under the bail, while the latter rests in the notch *m* of the lever M which is pressed down by its spring.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

The windlass B, rope C bucket D and inclined track H arranged above the rope, in combination with a carrier E having on the bottom a guide-eye and suspended pulley for the said rope and at top the pulleys G G to run on the track, the buffer K on post, the catch L projecting down from the buffer, the latch-lever M reversely notched on its ends and fulcrumed on a hanger N, the sliding rod O, the lever P pivoted to lever O, fulcrumed to the carrier and having hook p^2, and the hanging guide Q curved on the lower end, all substantially as shown and described.

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

THOMAS H. FERGUSON.

Witnesses:

J. H. DYKE,

J. N. DERRICK.