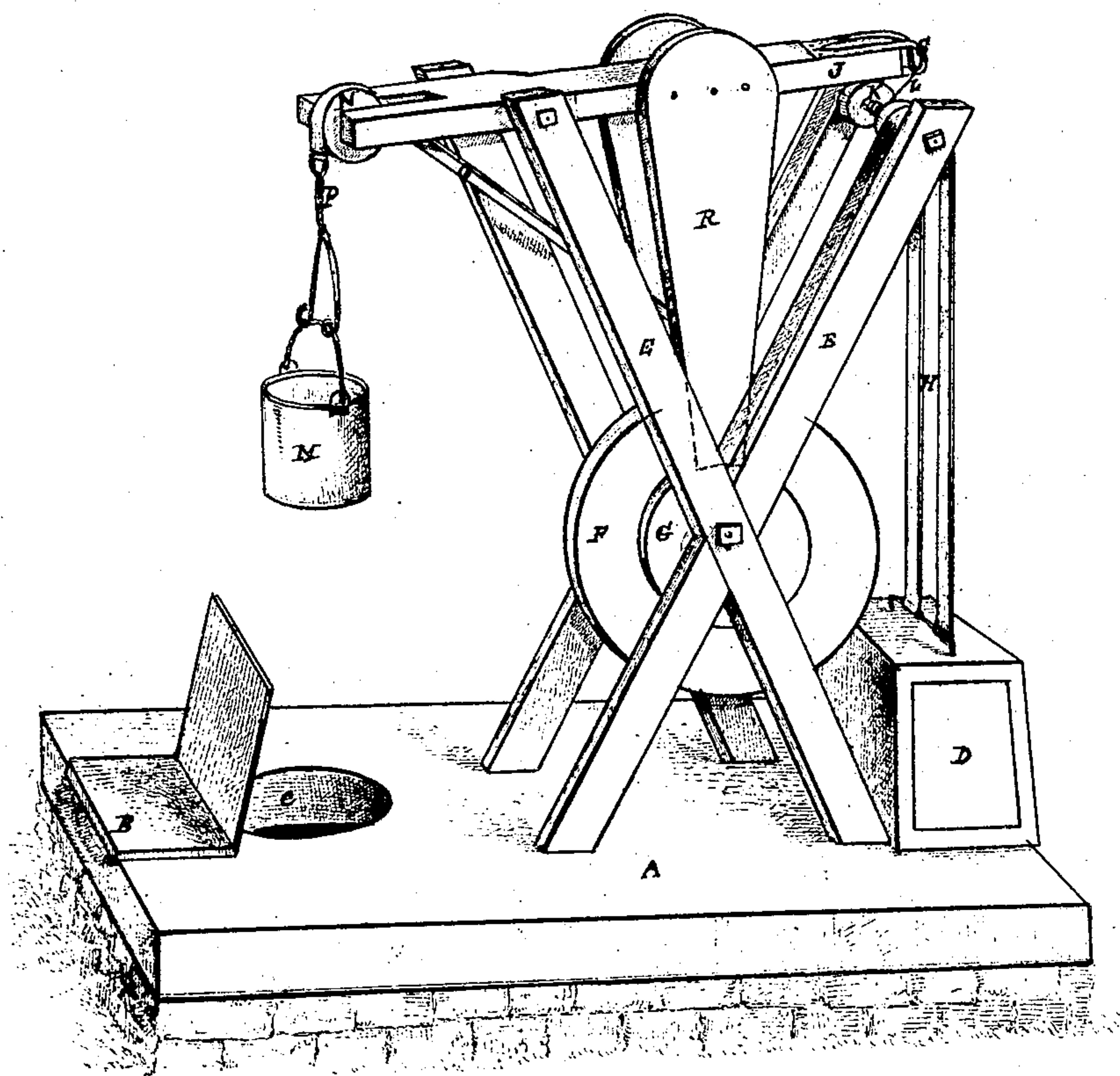


M. Heady,
Water Elevator.
No. 103613. Patented May 31, 1870.



Witnesses:
George Kerr, Jr.
E. P. Huyck

Inventor.
Morrison Heady
by J. S. Hewitt
his Attorney in fact

United States Patent Office.

MORRISON HEADY, OF SPENCER COUNTY, KENTUCKY.

Letters Patent No. 103,613, dated May 31, 1870.

IMPROVEMENT IN WATER-ELEVATOR.

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

I, MORRISON HEADY, of Spencer county and State of Kentucky, have invented a new and useful Device for Raising Water from Cisterns.

The nature of my invention consists in a neat device for raising water from wells or cisterns by means of weight, operated by attaching the weight to the end of belts or chains passing over pulleys of different sizes, by means of which great speed is obtained in raising the water, and that without any assistance from the operator except that of lowering the bucket, which will sink readily by means of the hooks and weight attached to the end of the belt or chain, and as the bucket is drawn up it is made to stop at any desired point by means of friction-rubbers extending down from the lever-beam above, acting on friction-pulleys below, which rubbers are operated by a chain or cord, from the end of the lever-beam above, winding around the same pulleys over which the weight-belt or chain passes, and, as the weight is lowered, the rubbers are drawn down hard on the friction-pulleys, causing them to stop instantly.

Having thus described the nature of my invention, I will proceed to describe it more fully by reference to the drawing, in which—

- A is the base, on which the frame rests.
- O is the opening in the top of the cistern.
- B is the cover for the same.
- E E are the upright parts of the frame.
- F is the belt or chain-pulley.
- G is a friction-pulley.
- R is the rubbers.
- J is the lever-beam.

S is a small iron link on the end, to which the cord or chain L is attached.

K are the pulleys over which the weight-belt passes, and around which the cord L winds.

H are the weight-belts.

D is the weight by means of which the water is raised.

N is a pulley in the end of the lever-beam, over which the bucket-belt O passes.

P is the sinker and hooks, to which the bucket M is suspended.

Having thus fully described the construction of my invention, I will proceed to describe its operation, which is simply that of drawing down the bucket M into the water, where it will sink by its own weight, after which it will be drawn up speedily by means of the weight D, without any assistance on the part of the operator except that of merely guiding the bucket through the opening of the cistern.

What I claim as my invention is—

The combination of the base A, the opening C, the cover B, and the frame E E, the pulleys F and G, and the friction-rubbers R, the lever-beam J, the pulleys N, and bucket M, the hooks P, and belt O, the iron hook S, the cord L, the pulleys K, the belt H, and the weight D, when arranged, constructed, and operating in the manner and for the purpose set forth.

MORRISON HEADY.

Witnesses:

J. C. PURDY,
GEORGE KERR, Jr.