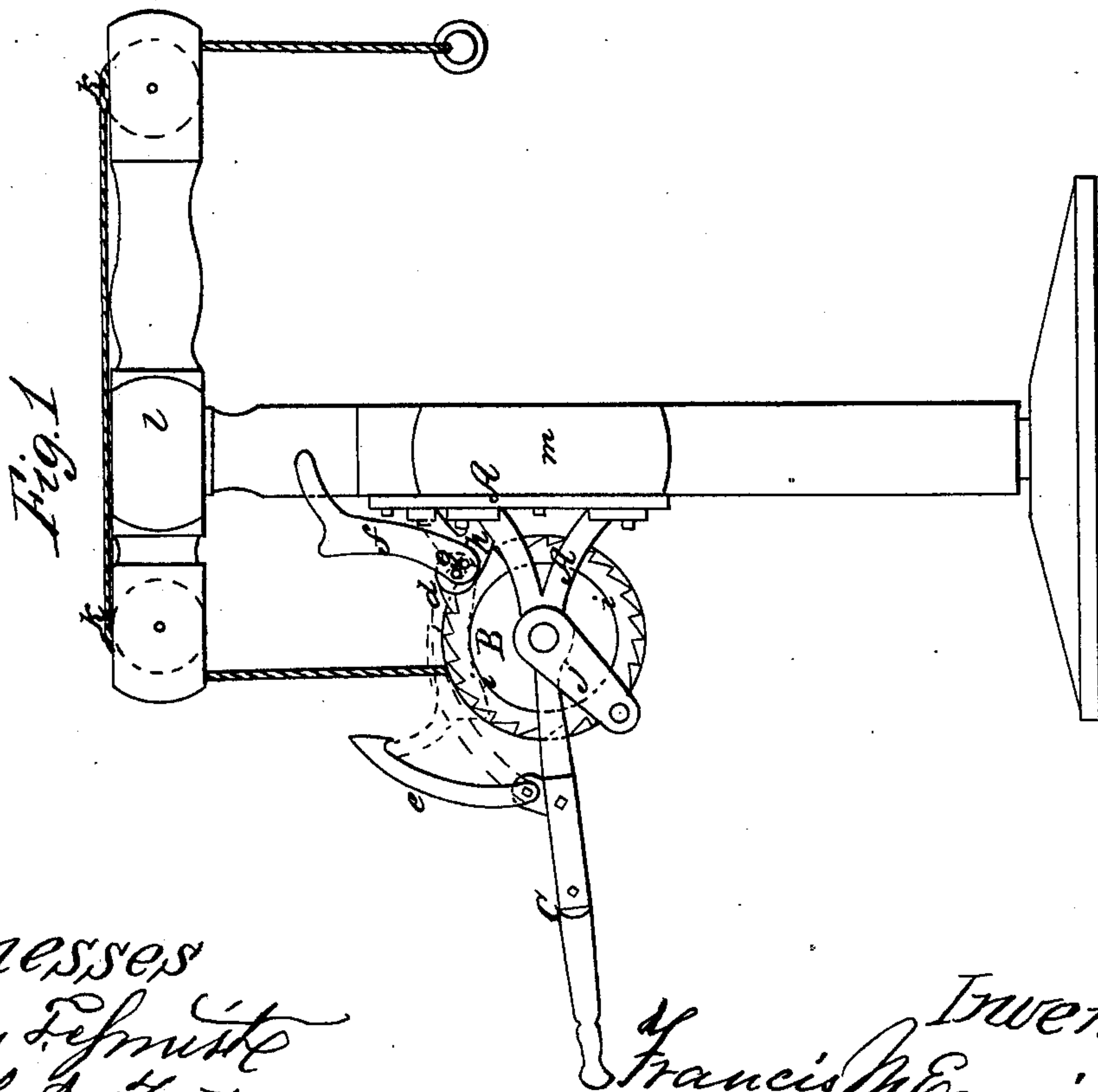
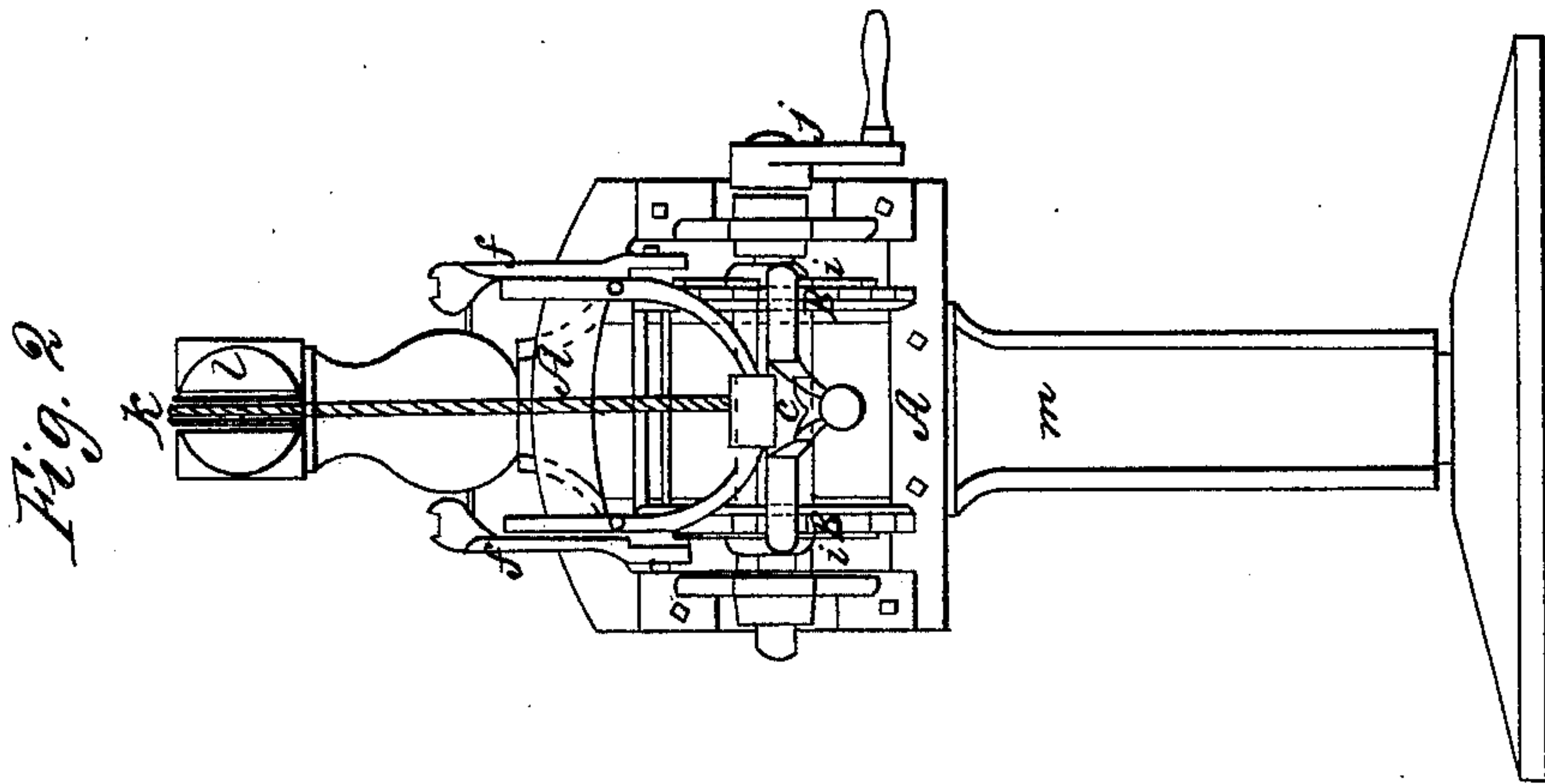


F. M. Everingham,

Derrick.

N^o 69,552.

Patented Oct. 8, 1867.



Witnesses

Louis F. Smith
L. Cha. Foot

Inventor;
Francis M. Everingham

United States Patent Office.

FRANCIS M. EVERINGHAM, OF LAFAYETTE, NEW YORK.

Letters Patent No. 69,552, dated October 8, 1867.

IMPROVEMENT IN DERRICK.

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, FRANCIS M. EVERINGHAM, of the town of Lafayette, in the county of Onondaga, and State of New York, have invented a new and useful Improvement in a Derrick; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side elevation.

Figure 2 is a rear elevation.

Like letters represent like parts.

Letter A represents the frame; letter B the ratchet-wheel, forming also the flanges of the drum; letter C the lever; letter *d* the dog dropping into the ratchet-wheel; letter *e* the fall attached to the lever for the purpose of working the drum; letter F the friction-brake working in slot *g*, in the standard *h*; letter *g* is a slot; letter *h* is a standard; letter I is a flange projecting from the outer face of the ratchet-wheel; letter J is the winch; letters K K are grooved pulleys; letter L is a cross-beam; letter M is a post.

The motive power of the derrick I make of iron or any other desired material, and in the manner as described in the drawings hereto attached.

I operate my derrick by fastening one end of a rope, chain, or leather belt to the drum of the derrick, and from there passing over the cross-beam on the post, over the grooved pulleys, and to the other end of the rope is fastened a hook or ring. By raising the lever the fall attached will drop into the ratchet-wheel, and then, by pressing down on the lever, as represented in the drawings by dotted lines, the ratchet-wheel will turn, thereby winding up on the drum the rope and raising the weight attached to the hook or ring. When it is desired to lower anything attached to the hook or ring, the friction-brake working in the slot *g* in the standard *h* is dropped on the flange of the ratchet-wheel, as represented in the drawings by dotted lines, and the flange attached to the lever is hooked on to the end of said brake, and by pressing down on the lever will allow the rope to pass off of the drum as slowly as may be desired. The friction-brake may also be attached to the lower end of the frame and press against the flange of the ratchet-wheel, if desired.

I do not claim the improvement of Francis M. Everingham in wagon hay-rack, patented December 4, 1866, but what I claim as my invention, and desire to secure by Letters Patent, is—

The described derrick and all the parts as arranged.

FRANCIS M. EVERINGHAM.

Witnesses:

LOUIS F. SMITH,

Z. CHAS. FOOT.