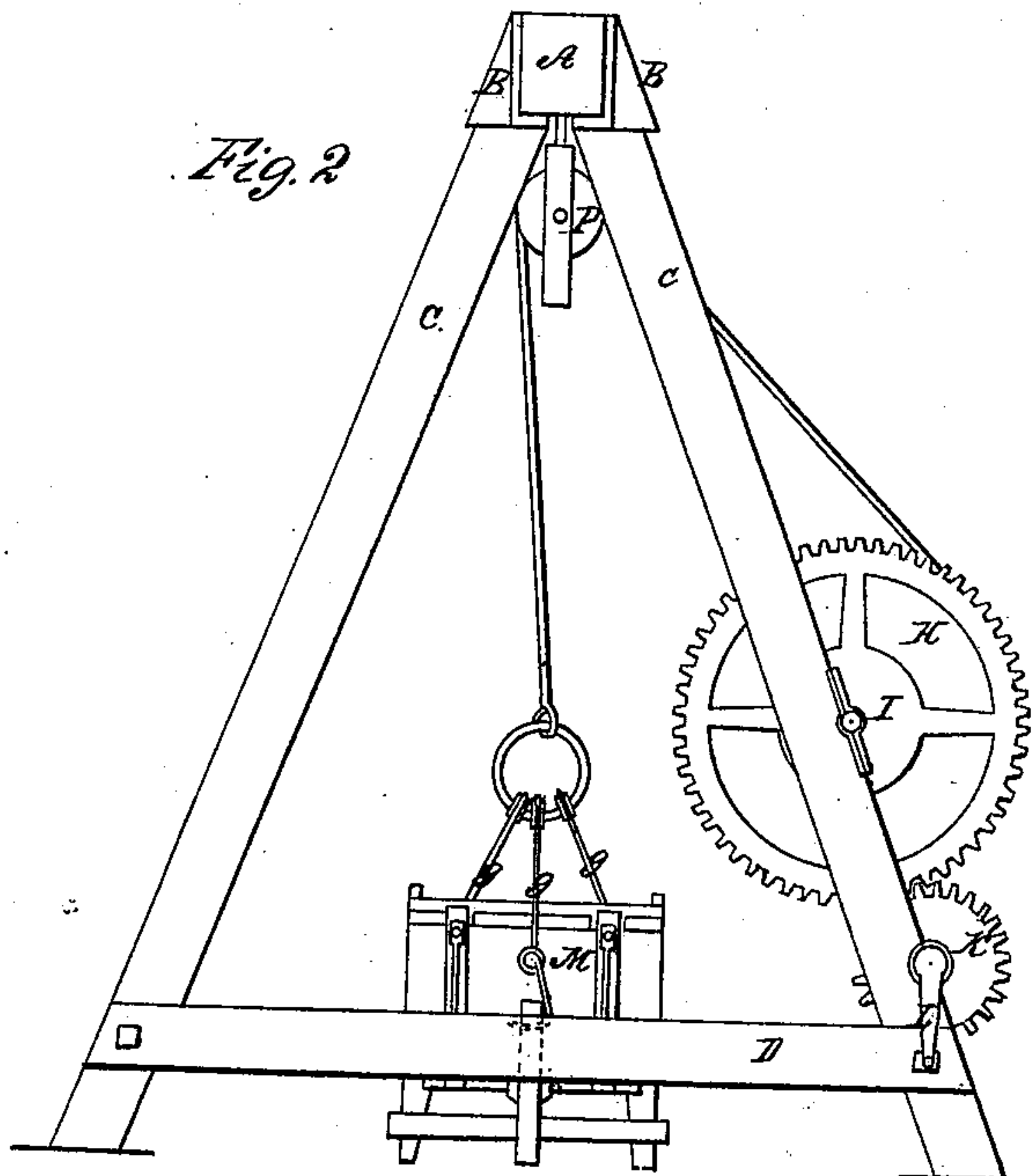
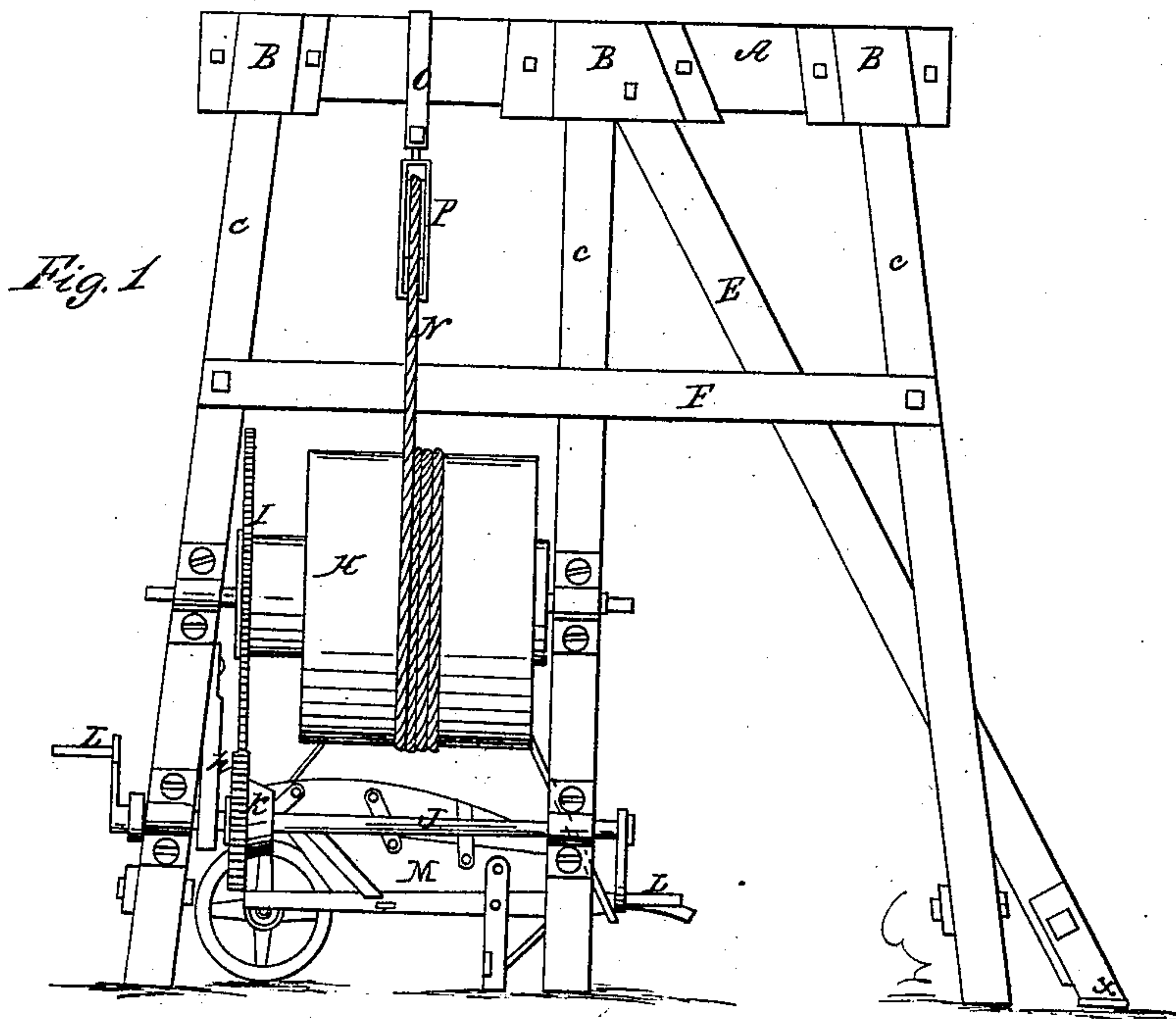


C. Fricke

Derrick.

No 77,271.

Patented Apr. 28, 1868.



Witnesses;

A. M. Katman
W. D. Stockbridge

Inventor;
Charles Fricke
per
Alexander Emerson
Atty

United States Patent Office.

CHARLES FRICKE, OF MOBILE, ALABAMA.

Letters Patent No. 77,271, dated April 28, 1868.

IMPROVED 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, CHARLES FRICKE, of Mobile, in the county of Mobile, and in the State of Alabama, have invented certain new and useful Improvements in Derricks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

In the annexed drawings, making a part of this specification, A represents a large horizontal beam, having shoes or sockets, B, secured to the sides thereof.

C C represent adjustable legs, of any given dimensions, which support the horizontal beam A. The legs C C fit in the sockets B, and stand at any required angle with each other and the beam A.

The legs are held at the proper angle and distance apart by means of stay-braces, D and F.

An angular brace, E, is adjusted in a suitable socket therefor, for the purpose of holding the frame steady. Said brace E has metallic flanges, x, secured to its lower end, by which it is fastened to a floor or base.

H represents a winding-drum, of any suitable dimensions, secured on a suitable shaft, having bearings on the sides of the legs C C, as shown.

Secured to the end of the drum H is a cog-wheel, I, which meshes with and is operated by the pinion K.

Said pinion K is secured to a suitable shaft, J, having bearings also in the legs C C, directly under the winding-drum H.

On the opposite ends of said shaft J are secured cranks, L, to or by which power is applied to my machine.

The shaft J is so adjusted in its bearings as to slide out or into position for the pinion K and cog-wheel I to mesh with each other, as may be desired.

h represents a metallic lever or fall, bent in the shape shown in the drawings, pivoted to one of the legs C, and, when resting on the shaft J, keeps the pinion K in gear with the wheel I.

I secure one end of a rope, N, to the drum H, and pass it thence up over a pulley, P, which is hung to the horizontal beam by means of the metallic strap O, and pass it thence down to any place desired, and attach to any weight or object desired.

At the lower end of the rope N, I secure a ring, in which I secure three small ropes, g g g, two of which have rings at their ends, and the other has a hook, for attaching to a common wheel-barrow, M.

The rings work over the handles, and the hook catches in the wheel of the wheel-barrow.

The wheel-barrow may be loaded with brick, or mortar, or anything desired.

This derrick is designed more particularly to be used in a building while the same is being erected. After one story of the building has been put up, it is designed to adjust this device on the joists for the second floor, moving enough of them to provide a suitable hole or opening for the object to be raised to pass through, and then a common wheel-barrow is loaded with brick, or mortar, or both, and the cords g g g are adjusted, as above described, and then raised as high, or to the point desired, where the loaded wheel-barrow is detached, and an empty one attached and lowered.

I use a counterpoise, of any suitable weight, attached to the rope N, or drum H, in any suitable manner.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The arrangement of the shoes or sockets B B on the horizontal beam A, adjustable legs C C, winding-drum H, and cord N, provided with a ring and three small cords g g g, at one end thereof, when operated as described, and adjusted on the joists of a new building, for the purpose of elevating the material therefor, substantially as herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 27th day of February, 1868.

CHARLES FRICKE. [L. s.]

Witnesses:

C. W. MEDICUS,
FERDINAND FRICKE.