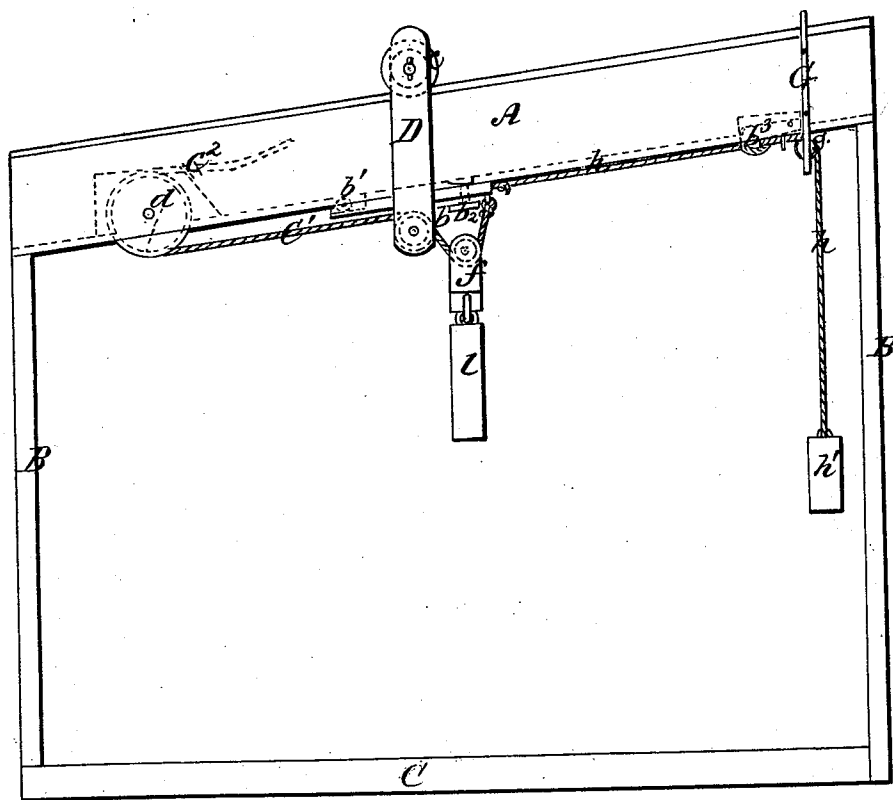


*L. V. Myers,*  
*Hay Elevator,*  
*No 84,436,      Patented Nov. 24, 1868.*



*Witnesses:*  
*John A. Ellis*  
*James W. White.*

*Inventor:*  
*Lewis V. Myers.*  
*per*  
*J. H. Alexander*  
*Atty.*

# United States Patent Office.

LEWIS Y. MYERS, OF ROANOKE, INDIANA, ASSIGNOR TO HIMSELF  
AND EMANUEL RABER, OF THE SAME PLACE.

Letters Patent No. 84,436, dated November 24, 1868.

## ELEVATOR AND CONVEYER.

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, LEWIS Y. MYERS, of Roanoke, in the county of Huntington, and State of Indiana, have invented certain new and useful Improvements in Conveying and Elevating-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which is represented a side elevation of my elevator and conveyer.

The object of my invention is to provide a suitable means for elevating and conveying heavy articles; and to this end,

My invention consists in the employment of certain devices, the peculiarities, of which will be hereinafter set forth.

To enable others skilled in the art to which my invention appertains, to make and use the same, I will now describe its construction and operation.

In the accompanying drawing—

A represents an inclined rail, supported at each end on a support, B, which is supplied with the ground-sill C.

D designates a small frame embracing the inclined rail A, and consisting of two vertical bars, between which is secured, on the under side of rail A, a piece or bar, *b*, which is made to project outward from each side of the bars to which it is secured, as seen in the drawing.

The bar or piece *b* is provided at one end with a groove, as shown in dotted lines, into which works a roller, *b'*, playing back and forth in a groove cut in the lower side of the rail A, which extends through the entire length of said rail.

*b*<sup>2</sup> is a latch consisting of a vertical bar sliding up and down in the opposite end of piece *b*, which engages with the catch *b*<sup>3</sup> in the upper end of rail A, and supplied at its lower end with a circular piece or plate.

In the upper end of frame D, and rolling back and forth on a tongue or rail in the bar or way A, is a grooved roller, *c*, the lower end of frame D being also

provided with a grooved roller or pulley, over which passes a cord, *c'*.

One end of the cord *c'* is held at the point *c*<sup>2</sup>, and from thence made to pass over a pulley, *d*, in the lower end of bar or rail A, over pulley in the lower end of frame D, as already stated, and then through block and pulley *f*, to which the weight or load is attached; after which its end is fastened to the upper end of piece *b*.

Embracing the upper end of rail A, and formed at its lower end with a loop, into which works a pulley, *g*, is a metal bar, G.

*h* is a cord secured at one end to the upper part of piece *b*, and, passing over pulley *g*, is then furnished with a weight, *h'*.

The operation of my invention is as follows:

The article or weight *i*, to be raised, being attached to the lower side of block and pulley *f*, the cord *c'* will be grasped and pulled, thus raising the weight or load *i* until the block and pulley *f* have come in contact with the latch *b*<sup>2</sup>, which will be pushed up, disengaging it from the catch *b*<sup>3</sup>, and thus allow the frame D, with the load, to be carried forward. The cord *c'* being loosened, and the weight or load removed from the frame D, it will now be drawn back by means of cord *h* and weight *h'* ready to receive another load, and the same operation repeated until the work to be performed has been accomplished.

I do not claim any of the devices herein described, taken separately; but

What I do claim as new, and desire to secure by Letters Patent, is—

The rail A, conveyer-frame D, latch *b*<sup>2</sup>, catch *b*<sup>3</sup>, pulley *g*, cord *h*, weight *h'*, cord *c'*, pulley *d* and block and pulley *f*, all combined, arranged, and operated substantially as set forth.

In testimony that I claim the foregoing as my own, I affix my signature, in presence of two witnesses.

LEWIS Y. MYERS.

Witnesses:

JOHN H. SIMON,  
PETER EARHART.