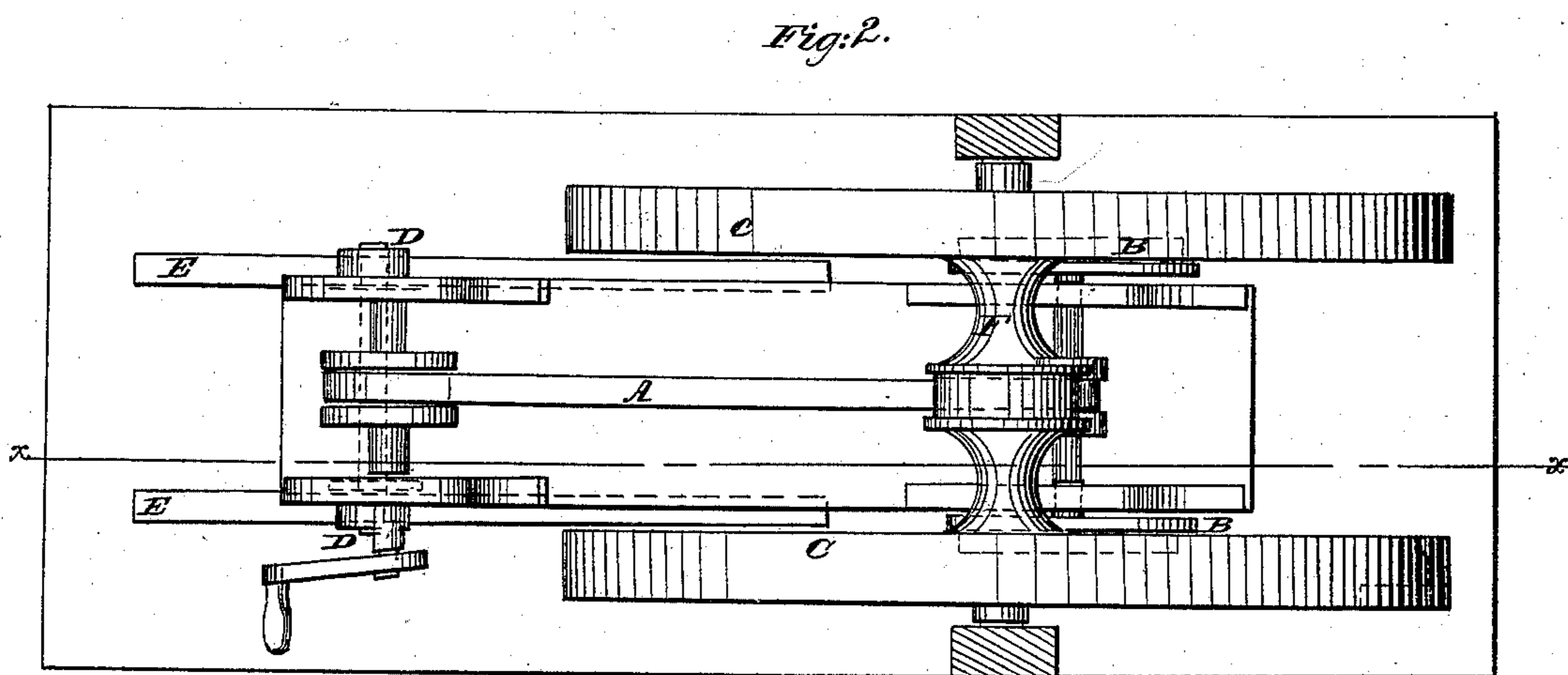
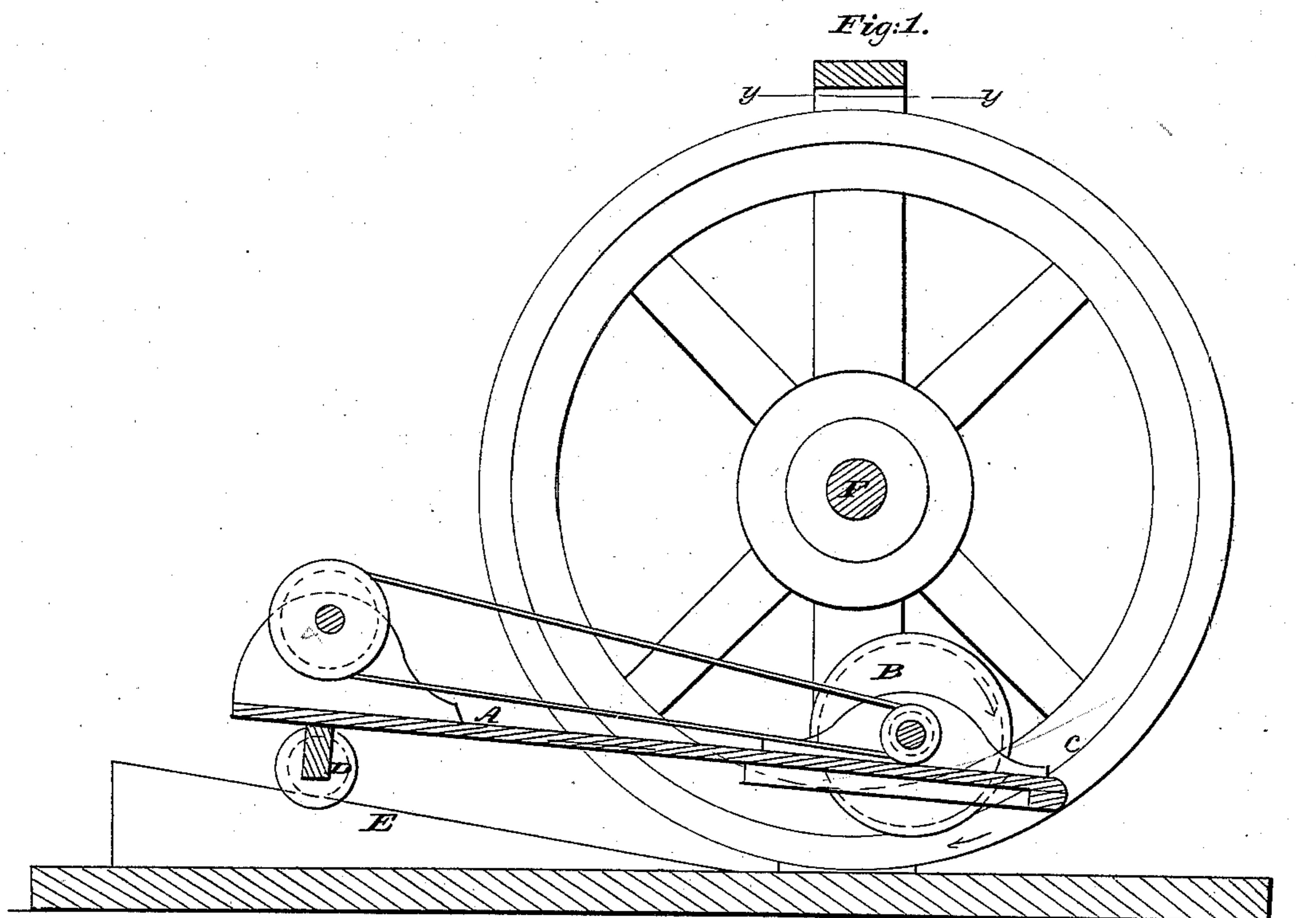


T. J. LOWRY.

Motor.

No. { 1,066. }
 { 32,070. }

Patented Apr. 16, 1861.



Witnesses:
J. H. Brown
R. S. Spencer

Inventor:
Thos J. Lowry
per *Munn & Co*
Attorneys

UNITED STATES PATENT OFFICE.

THOMAS J. LOWRY, OF CONNEAUTVILLE, PENNSYLVANIA.

TRANSMITTING POWER.

Specification of Letters Patent No. 32,070, dated April 16, 1861.

To all whom it may concern:

Be it known that I, THOMAS J. LOWRY, of Conneautville, in the county of Crawford and State of Pennsylvania, have invented a new and Improved Device for Transmitting Motive Power; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 represents a longitudinal vertical section of my invention, the line *x, x*, Fig. 2, indicating the plane of section. Fig. 2 is a horizontal section of the same, taken in the plane indicated by the line *y, y*, Fig. 1.

Similar letters of reference in both views indicate corresponding parts.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation with reference to the drawing.

The car A. rests with its fore wheels B. on the circular track C. and with its hind wheels D. on the inclined track E. The circular track is formed by a rim or flange on the inside of two large wheels, which are secured to an axle F. and to which it is intended to impart a rotary motion by the action of the car as will be presently explained.

The fore wheels B. of the car are intended to be rotated by some motor such as a steam engine or a treadmill or any other convenient device which is to be placed on the platform of the car, and as these wheels rotate, they cause the car to move in the direction of the arrow marked upon it in Fig. 1, and said wheels assume a position beyond the vertical plane, passing through the center of the axle F. of the circular track as clearly shown in the drawing. The friction of the rotating wheels B. causes the circular track to assume a rotary motion and at the same time the weight of the car and of the machinery which constitutes the motor assists to a certain extent in producing a rotary motion of the track, said weight acting in a plane beyond the vertical plane passing through the center of the axle of the circular track.

The action of the car A. on the circular

track C. is facilitated by the inclined track E., since by the inclination of said track the motion of the car in the direction of the arrow marked upon it in Fig. 1 is facilitated.

When the circular track C. is in motion and it is desired to check its speed, it is only necessary to move the car back in the direction opposite the arrow marked upon it in Fig. 1 far enough to cause its weight and the weight of the machinery upon it to bear on the circular track in a plane inside the vertical plane passing through the center of the axle F. In this position the weight of the driving machinery opposes the motion of the circular track and the car with the machinery upon it serves therefore not only as the motive power but also as the regulator or governor of the motion of the circular track.

The power from the circular track C. is transmitted to the working machines by means of a belt or belts which may pass around the outsides of the wheels which constitute the track or around a pulley or pulleys secured to the axle F. When the power to be transmitted by this device, is very large, it may be desirable to furnish the driving-wheels D. of the car, and also the circular track, with cogs so as to prevent a slipping of the surfaces, one upon the other.

This device may be used with advantage for the purpose of transmitting the power produced by any motor whatever, and in all cases the weight of the car and of the machinery which constitutes the motor, will either increase the power transmitted or it will serve as a governor to regulate the speed of the motion produced.

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

The arrangement of the sliding platform A, track E, and wheels D, B, with the circular suspended track C, all in the manner and for the purposes herein shown and described.

THOS. J. LOWRY.

Witnesses:

S. J. THOMAS,
JAMES CLARKE.