

T. H. Hoskings,

Horse Power.

N^o 32,369.

Patented May 21, 1861.

Fig. 1.

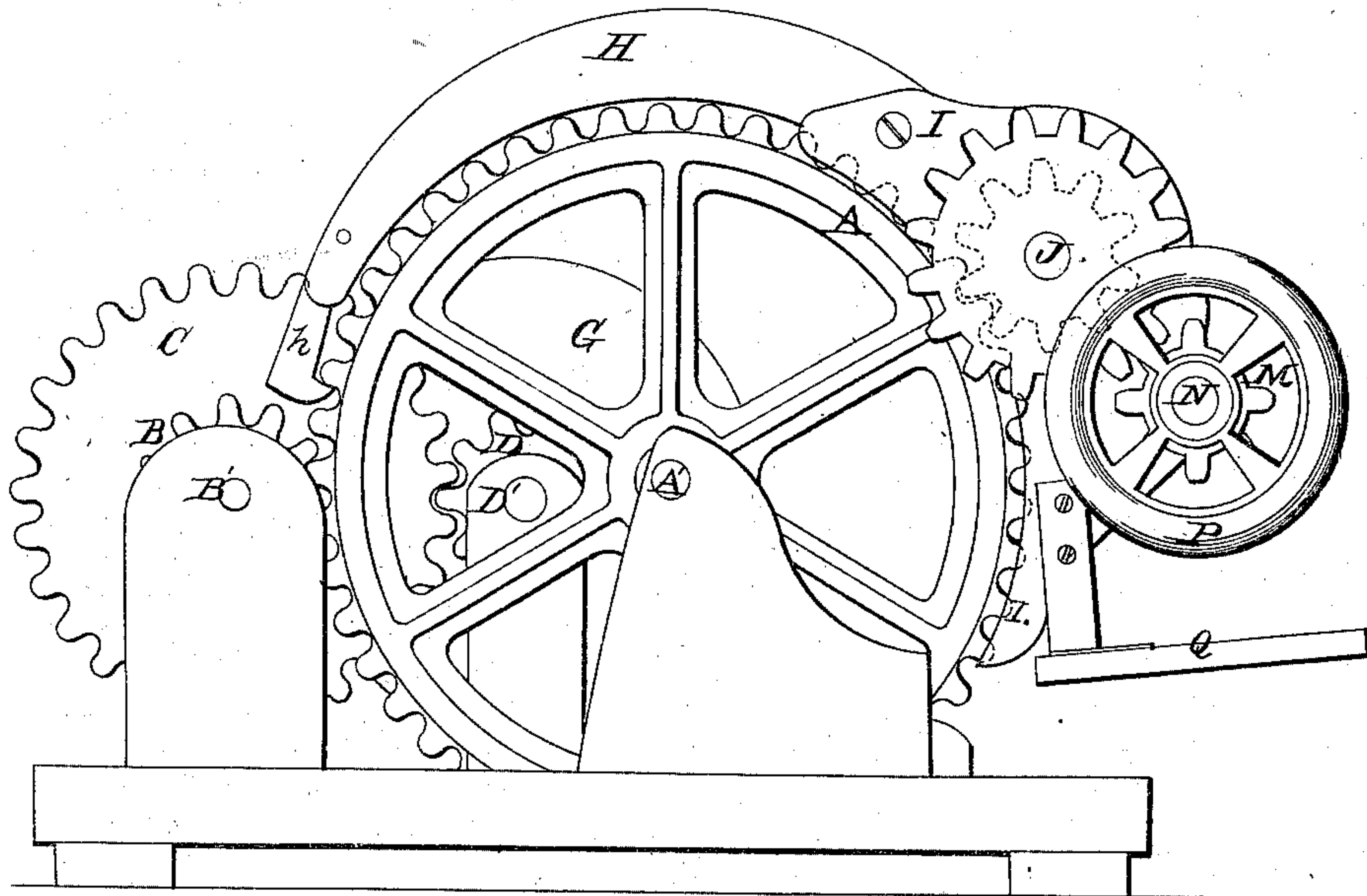
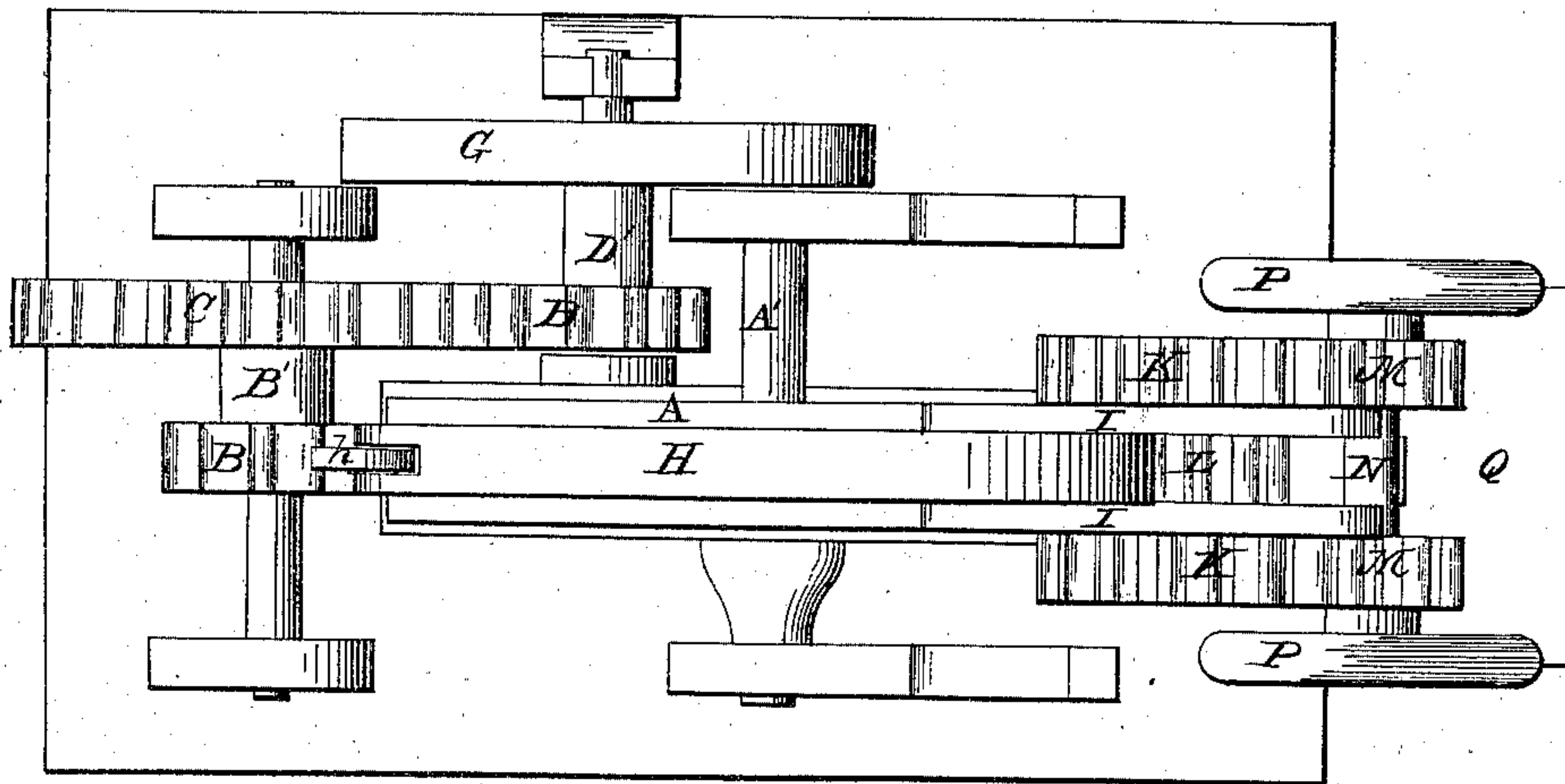


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS H. HOSKINGS, OF DETROIT, MICHIGAN.

MACHINE FOR THE APPLICATION OF MAN-POWER.

Specification of Letters Patent No. 32,369, dated May 21, 1861.

To all whom it may concern:

Be it known that I, THOMAS H. HOSKINGS, of Detroit, in the county of Wayne and State of Michigan, have invented a new and Improved Machine, which I denominate "Hoskings' Man-Power," a machine which is intended to facilitate the application of the power of a man to the production of rotary motion; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1, is a side view, and Fig. 2, a top view of said machine.

The main wheel A of my improved man-power communicates its motion to the pulley G, on the shaft D', in the following manner, viz: The main wheel A, communicates its motion directly to the small wheel B, on the shaft B'; and the large wheel C, upon the shaft B', communicates its motion directly to the small wheel D, on the said shaft D'. Power is applied to the main wheel A, of my improved man-power in the following manner, viz: The frame I, I, is suspended to the periphery of the main wheel A, by means of the curved arm H, which projects forward from its jointed connection with the said frame and is made to take hold of the teeth of the said main wheel A, by means of the pawl h, which is jointed to the extremity of the said curved arm.

The shaft J, which is combined with the suspended frame I, I, carries the toothed-wheels K, K, and L, which are so arranged thereupon that while the smaller central wheel L, gears into the teeth of the main wheel A, the wheels K, K, rotate on each side of the face of said driving wheel. The said frame I, I, also carries the shaft N, in

suitable bearings, which shaft carries two toothed wheels M, M, in such positions that they gear into the toothed-wheels K, K, on the shaft J, and the said shaft N, also carries upon its extremities the hand driving wheels P, P. The said frame I, I, also has a platform Q, combined therewith in the manner represented in Fig. 1; which platform is placed in such a position that a man standing thereupon can advantageously take hold of the driving wheels P, P. It will therefore be perceived that a man standing upon the platform Q, and exerting his combined strength and weight upon the wheels P, P, can elevate the frame I, I, to the position represented in Fig. 1, provided a proper amount of resistance is at the same time exerted by the pulley G; and then by continuing to exert his strength, in connection with his weight, the operator can retain the said frame I, I, in the aforesaid elevated position, and by so doing he will impart a steady and uniform amount of motion and power to the pulley G, through the medium of the main wheel A, and the auxiliary wheels B, C and D.

Having thus fully described my improved man-power, what I claim therein as my invention and desire to secure by Letters Patent, is—

Suspending the frame I, I, to the periphery of the main wheel A, when the said frame is combined with the platform Q, and with the gearing wheels M, M, K, K and L, and when the main wheel A, is connected with the pulley G, through a system of gearing wheels B, C and D, in the manner herein set forth.

THOMAS H. HOSKINGS.

Witnesses:

RANDOLPH COYLE, Jr.,

WILLIAM JACOBUS.