D. FORD.
Motor.

No. 208,519. Patented Oct. 1, 1878.

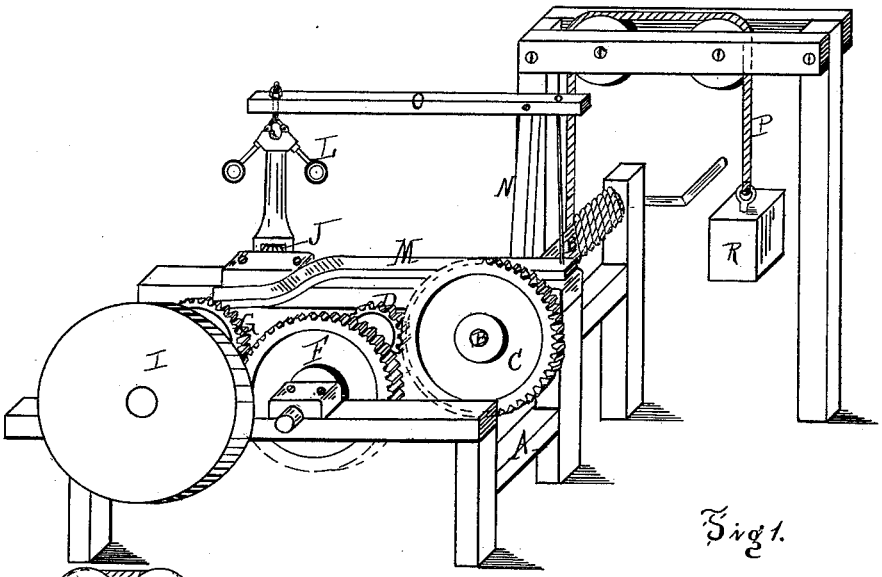

Fig 1.

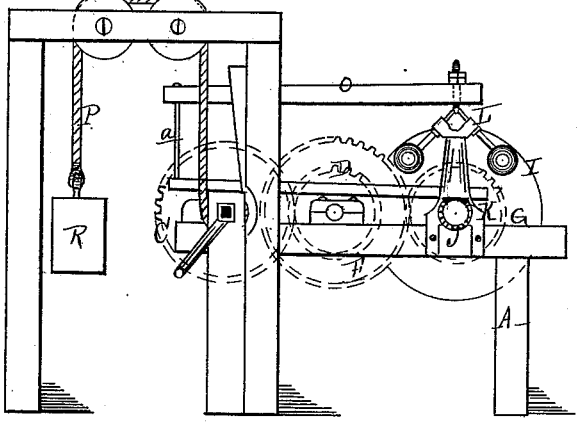

Fig 2.

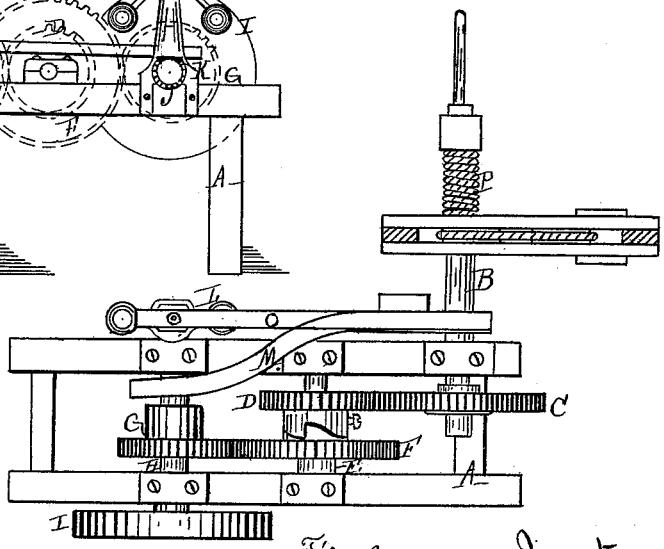

Fig 3.

Attest.
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Inventor:
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By Atty
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UNITED STATES PATENT OFFICE.

DAVID FORD, OF EATON RAPIDS, MICHIGAN.

IMPROVEMENT IN MOTORS.

Specification forming part of Letters Patent No. **208,519**, dated October 1, 1878; application filed May 9, 1878.

To all whom it may concern:

Be it known that I, DAVID FORD, of Eaton Rapids, in the county of Eaton and State of Michigan, have invented an Improvement in Mechanism for Running Small Machinery, of which the following is a specification:

The nature of this invention relates to the construction of a device for obtaining power for running small machinery; and the invention consists in the peculiar construction, arrangement, and combination of the various parts, as more fully hereinafter set forth.

Figure 1 is a perspective view. Fig. 2 is a side elevation. Fig. 3 is a plan view.

In the drawing, A represents a frame, in the forward portion of which is journaled a main shaft, B, carrying at one end a crank-handle, and upon the other end is secured a geared pinion, C, which engages with a small clutch-pinion, D, sliding upon the shaft E, which is journaled across the frame. Keyed upon this shaft is another clutch-pinion, F, which engages with a pinion, G, rigidly secured upon the shaft H. Upon this shaft is secured a pulley, I, while upon the opposite end is secured a bevel-pinion, J, which engages with a similar pinion, K, keyed upon the lower end of the shaft of the governor L, which is of the ordinary construction. A brake, M, is pivoted to a standard, N, rising from frame A. One end of this lever lies over the shaft H, while its other end is connected by means of the rod *a* with the lever O, pivoted to the upper end of the standard N. The opposite end of said lever is adjustably connected to the governor, and affords means by which the speed of the device may be regulated. A rope, P, is wound upon the shaft B, the free end of said rope being carried up over suitable pulleys, and has secured to it a weight, R. As this weight gradually falls it draws upon the rope, and thus imparts motion to the machine, which motion can be readily transmitted to other machinery by means of a belt from the driving-pulley.

What I claim as my invention is—

A device for operating small machinery, consisting of the frame A, shafts B, E, and H, pinions C, D, F, G, J, and K, pulley I, brake M, and governor L, combined to operate substantially as and for the purposes set forth.

In testimony that I claim the above I hereunto affix my signature in the presence of two witnesses.

DAVID FORD.

Witnesses:

H. S. SPRAGUE,

A. BARTHEL.