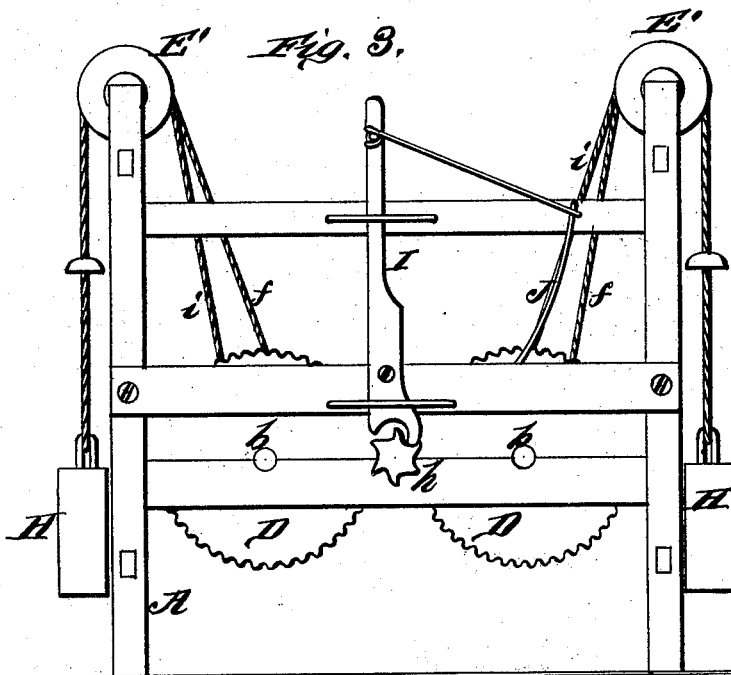
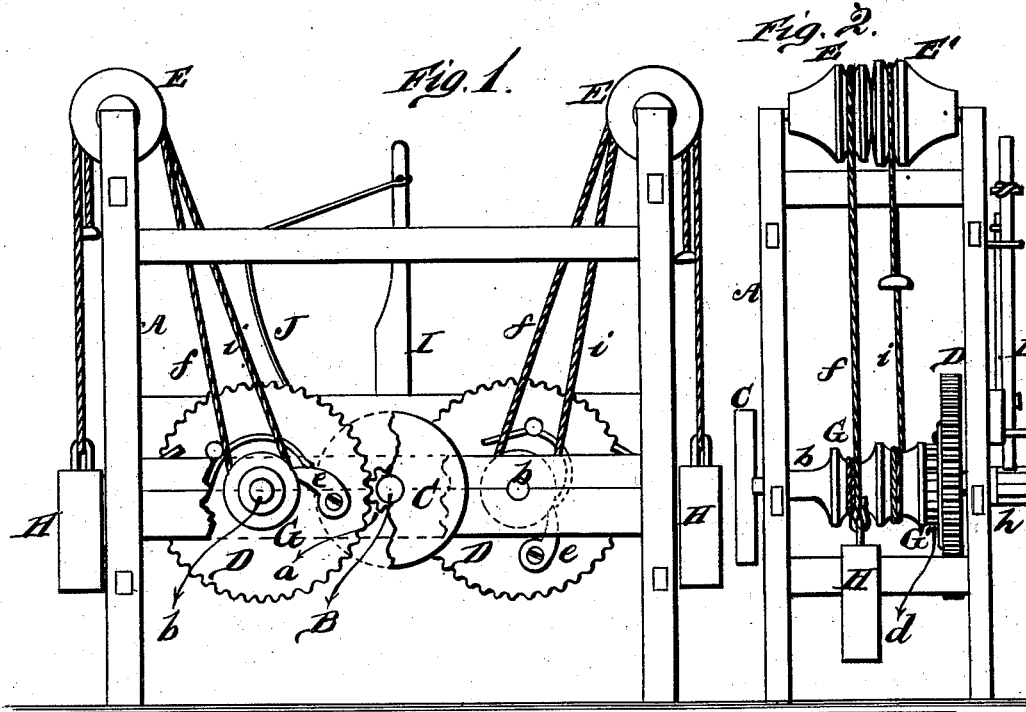


A. BARKER.
Weight Motor.

No. 201,482.

Patented March 19, 1878.



WITNESSES
Robert Everett,
George S. Upham.

INVENTOR.
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UNITED STATES PATENT OFFICE.

ARNOLD BARKER, OF BLOOMFIELD, IOWA.

IMPROVEMENT IN WEIGHT-MOTORS.

Specification forming part of Letters Patent No. 201,482, dated March 19, 1878; application filed September 1, 1877.

To all whom it may concern:

Be it known that I, ARNOLD BARKER, of Bloomfield, in the county of Davis and State of Iowa, have invented a new and valuable Improvement in Motive Powers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my motive power; Fig. 2, an end elevation, and Fig. 3 a side elevation, thereof.

The nature of my invention consists in the construction and arrangement of a motive power for running sewing-machines, churns, washing-machines, and other light machinery, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents the frame-work of the machine, in which is a shaft, B, with band-wheel C, for connection with the machinery to be driven. On this shaft is a pinion, *a*, which is driven by two master-wheels, D D, mounted loosely upon two shafts, *b*, having their bearings in the frame A. Upon each shaft *b* is secured a double drum, G G', provided with a ratchet-wheel, *d*, into which takes a spring-pawl, *e*, on the master-wheel D.

Upon the drum G is wound a cord, *f*, which passes upward over a pulley, E, and has a weight, H, attached to its end. On the drum G' is wound the winding-cord *i*, which passes upward over another pulley, E', as shown.

By pulling on the two cords *i i* the double drums are rotated, so as to wind up the cords *f f*, with their weights. These weights then run the master-wheels D D, and these, through the medium of the pinion *a*, impart motion to the shaft B and band-wheel C.

Instead of weights, the master-wheels may be driven by spring-power, if desired.

On one end of the shaft B is secured a pinion-verge, *h*, upon which operates an intermittent lever, I, pivoted to the frame, and kept in check by a spring, J.

If it take, say, twelve pounds of power to run a machine connected to this power, I add three or four pounds more to keep the power moving, and then I have only to govern this extra power.

By means of the double gearing the speed is materially increased.

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

In a motive power, the combination, with the center shaft B and its pinion *a*, operated by the two master-wheels D D, having independent operating mechanisms, of the verge *h*, intermittent lever I, and check-spring J, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ARNOLD BARKER.

Witnesses:

F. A. DUFFIELD,
WILLIAM VOTAW.