

G. MEYER.
Motive-Powers.

No. 137,856.

Patented April 15, 1873.

Fig. 1

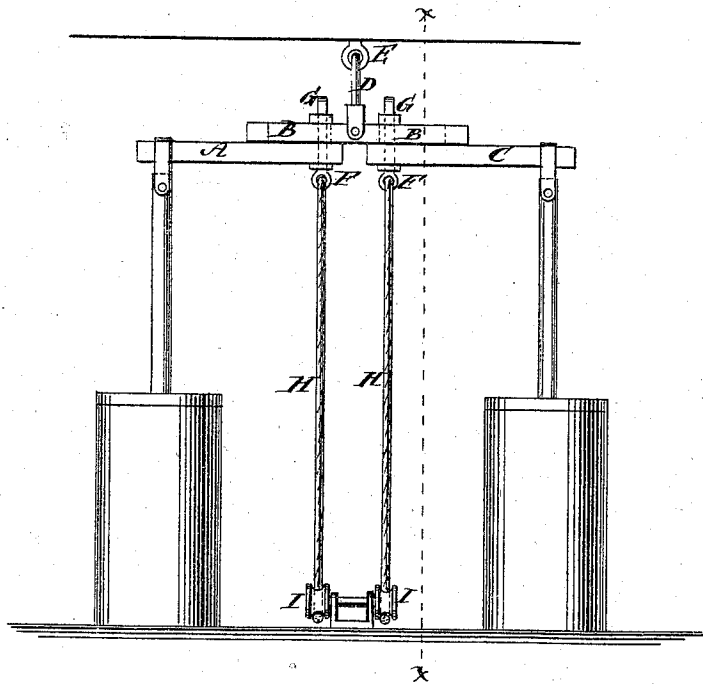
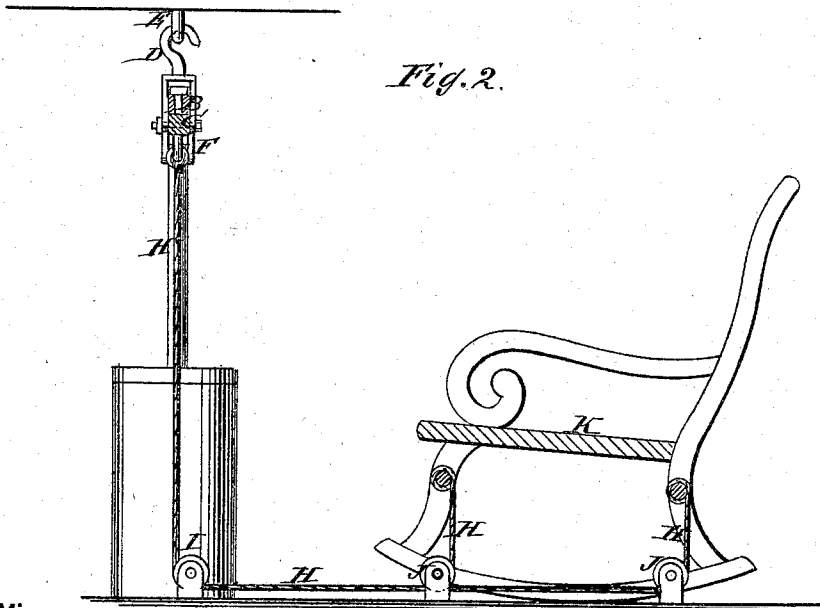


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

GUSTAVUS MEYER, OF NEW RICHMOND, MICHIGAN.

IMPROVEMENT IN MOTIVE POWERS.

Specification forming part of Letters Patent No. **137,856**, dated April 15, 1873; application filed March 15, 1873.

To all whom it may concern:

Be it known that I, GUSTAVUS MEYER, of New Richmond, in the county of Allegan and State of Michigan, have invented a new and useful Improvement in Motive Powers, of which the following is a specification:

Figure 1 is a detail view of my improved device shown as applied to a churn. Fig. 2 is a detail section of the same taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved power for churning and doing other light work, and which shall be simple in construction, convenient in use, and effective in operation.

The invention consists in the adjustable lever constructed as hereinafter fully described, and in the combination of the adjustable lever, the fulcrum-hook, the ropes, the guide-pulleys, and the rocking-chair, with each other, as hereinafter fully described.

A B C is a lever which is suspended from the ceiling, or other suitable support, by a swiveled-hook, D, and a staple or eye-bolt, E—the support D E serving as a fulcrum for the lever. The hook D is connected with the center of the part B of the lever. The parts A C of the lever are connected with the end parts of the middle part A by eyebolts F and hand-nuts G. The bolts F pass through holes in the inner ends of the end parts A C, and through longitudinal slots in the end parts of the middle part B, so that the relative lengths of the two parts or arms of the lever may be adjusted as required. With the outer ends of

the parts A C of the lever are connected the ends of the dasher-handles of churns or pitmen to operate the crank-wheels of machines to be driven. To the eyes of the bolts F are attached the ends of two ropes, H, which pass around guide-pulleys I attached to the floor, and around the guide-pulleys J attached to the floor, and arranged the one beneath the forward part, and the other beneath the rear part, of a rocking-chair, K. The end of one of the ropes H is attached to the forward part, and the end of the other rope H is attached to the rear part, of the chair-frame.

By this construction, as the chair K is rocked by the person sitting in it, the lever A B C will be oscillated, giving motion to the machines to be driven.

The parts of the lever A B C may be arranged in a straight line, as shown in the drawing; or the end parts A C may be arranged at an angle with the middle part B, as circumstances may render most convenient.

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

1. The adjustable lever A B C F G, constructed substantially as herein shown and described.

2. The combination of the adjustable lever A B C F G, fulcrum-hook D, ropes H, guide-pulleys I and J, and rocking-chair K with each other, substantially as herein shown and described, and for the purpose set forth.

GUSTAVUS MEYER.

Witnesses:

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