

JAMES R. DEYO.
Improvement in Animal Power.
No. 125,444. Patented April 9, 1872.

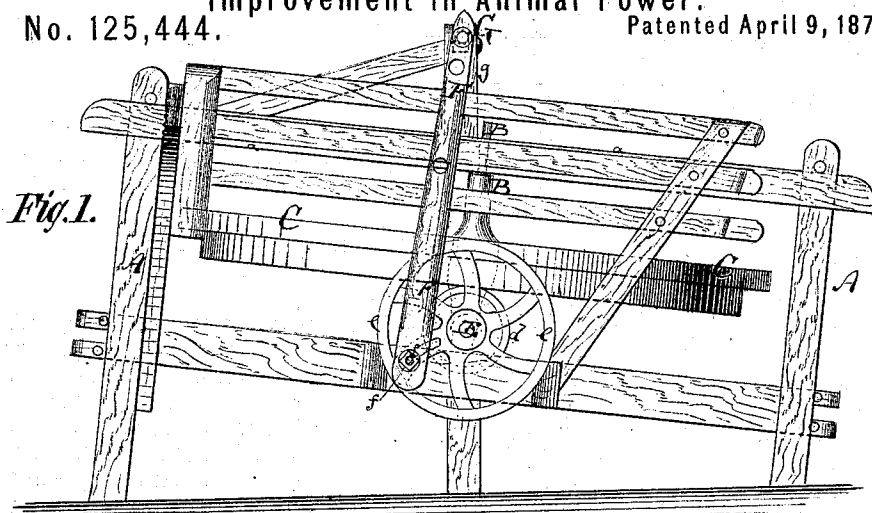


Fig. 2.

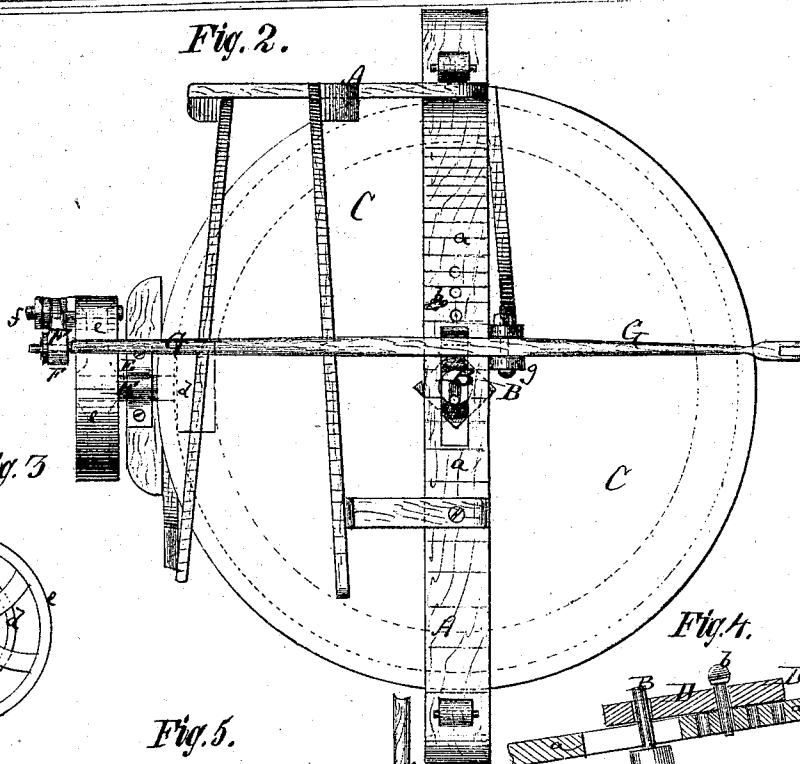


Fig. 3.

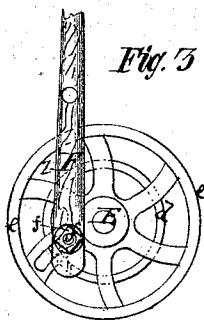


Fig. 5.

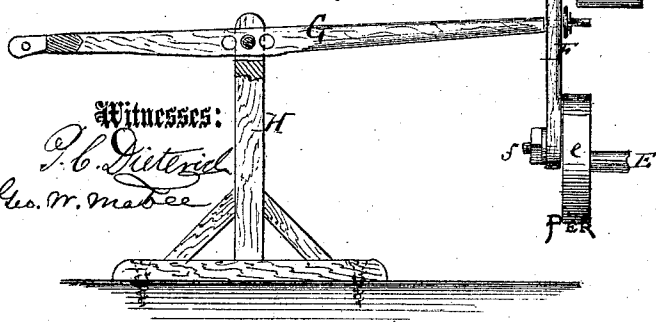
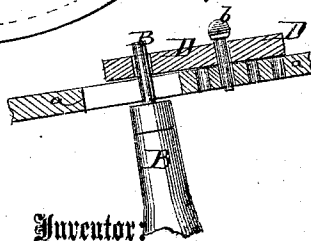


Fig. 4.



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UNITED STATES PATENT OFFICE.

JAMES R. DEYO, OF STERLING, ILLINOIS.

IMPROVEMENT IN ANIMAL-POWERS.

Specification forming part of Letters Patent No. 125,444, dated April 9, 1872.

Specification describing a new and Improved Churn-Power, invented by JAMES R. DEYO, of Sterling, in the county of Whitesides and State of Illinois.

Figure 1 represents a side view of my improved churn-power. Fig. 2 is a top view of the same. Fig. 3 is a detail face view of the fly-wheel; Fig. 4, a detail vertical section of the tread-wheel shaft; and Fig. 5, a side view of an outside support for the operating-lever.

Similar letters of reference indicate corresponding parts.

The invention consists in a new and useful mode of combining means to form a small power, which may be operated by a dog or other animal.

A in the drawing represents the frame of the machine. C is the inclined tread-wheel, mounted on a shaft, B. The lower end of the shaft B stands on a step, while its upper end fits through a slot in a beam, *a*, of the frame A, as shown in Fig. 2. In this slot the shaft can be adjusted to more or less incline the tread-wheel. Fig. 4 shows the means of securing the shaft B in any desired inclined position. This is done by a block or plate, D, having an aperture for receiving the upper part of the shaft B, and another for the reception of a pin, *b*, which fastens it to the beam *a*. The latter has a series of sockets for the reception of the

pin *b*, and allows, therefore, the longitudinal adjustment of the block D and the greater or less inclination of the shaft and tread-wheel. By contact with a friction-wheel, *d*, the wheel C imparts rotary motion to a horizontal shaft, E, whose bearings are in the frame A. At the outer end the shaft E carries a fly-wheel, *e*, of whose spokes one is slotted, as shown, to receive the pin *f*, which connects it with the pitman F. The upper part of the pitman F is connected with a beam, G, which is pivoted either to a post, *g*, projecting from the frame A, or to a separate independent post, H, (see Fig. 5,) and imparts motion to the churn-dash or other thing to be driven. The pin *f* can, in the slot of the fly-wheel, be adjusted to increase or reduce the length of stroke.

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

The combination of inclined tread-wheel C and shaft B, the friction-wheel *d*, the crank-shaft and crank-wheel E *e*, the pitman F, beam G, and posts *g* H, when all are arranged in a frame, A, as and for the purpose described.

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