

(No Model.)

J. H. FORISTER.

MOTOR.

No. 312,990.

Patented Feb. 24, 1885.

Fig. 1.

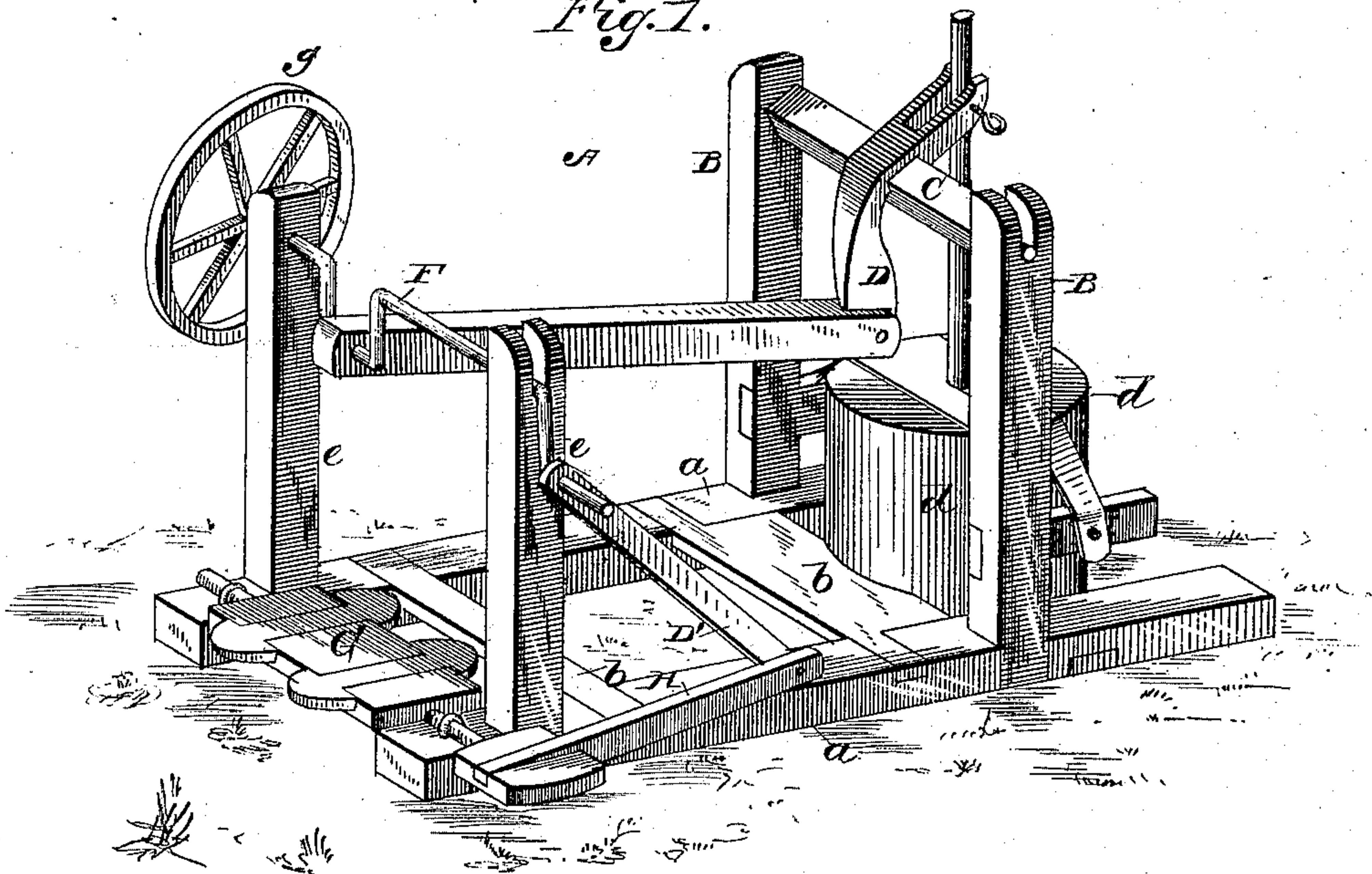
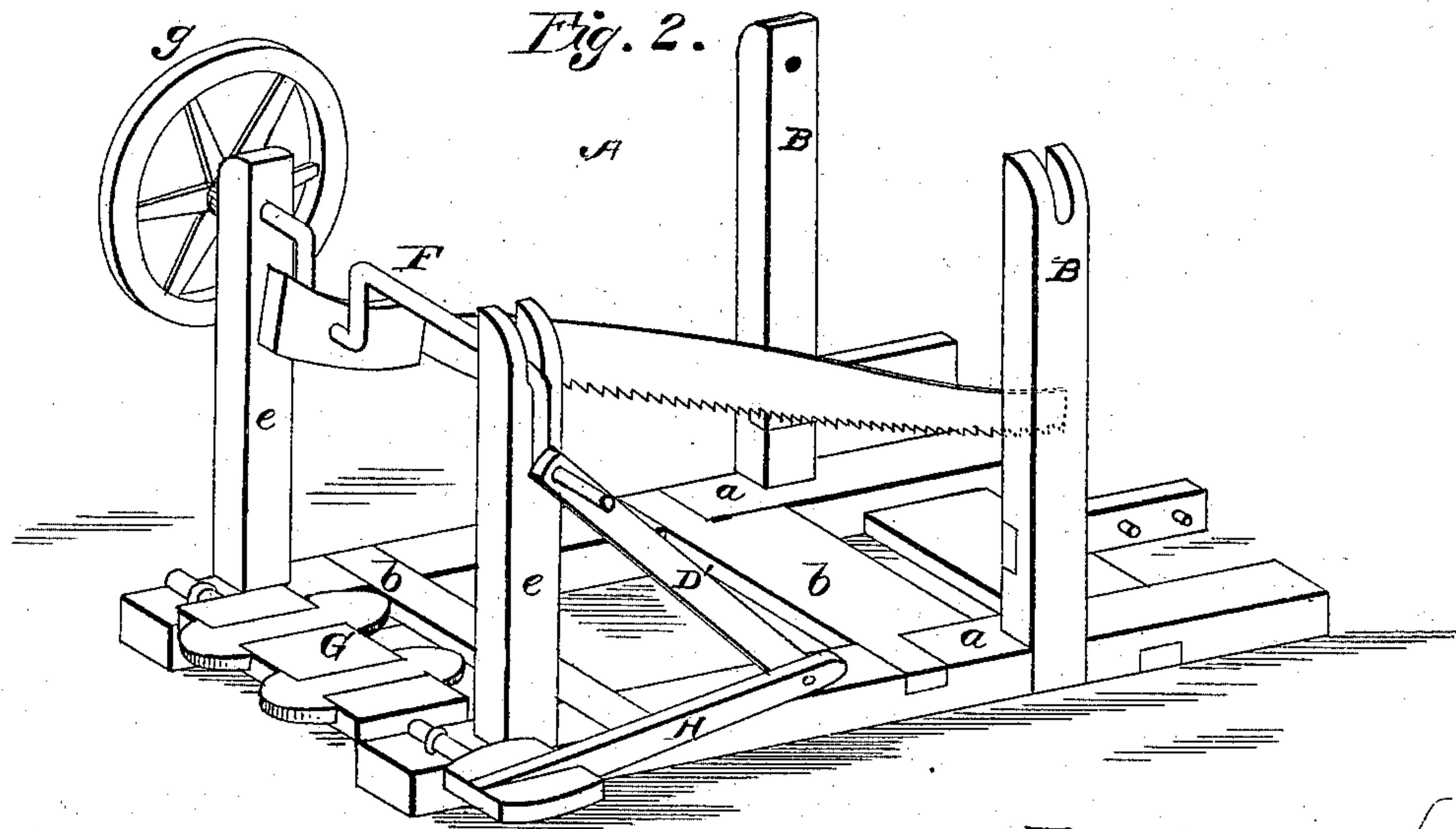


Fig. 2.



WITNESSES

Mortimer,
E. G. Siggers.

Jno. H. Forister,
INVENTOR

by C. A. Snow & Co.
Attorneys

UNITED STATES PATENT OFFICE.

JOHN HARDIN FORISTER, OF FLATONIA, TEXAS.

MOTOR.

SPECIFICATION forming part of Letters Patent No. 312,990, dated February 24, 1885.

Application filed December 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. FORISTER, a citizen of the United States, residing at Flatonia, in the county of Fayette and State of Texas, have invented a new and useful Improvement in Mechanical Powers, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to a mechanical power adapted to operate a churn, saw, and for other light work, and it has for its object to provide a device of this character which shall be cheap and simple in its construction, effective in its operation, and one that will be strong and durable.

With these ends in view, the invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a mechanical power constructed in accordance with my invention and showing the same arranged for operating a churn. Fig. 2 is a perspective view showing the device arranged for operating a saw.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in both the figures, A represents a suitable supporting-frame consisting of the parallel longitudinal supporting-beams *a*, connected by cross or tie beams *b*.

A short distance from the forward ends of the longitudinal beams *a* are vertical uprights or standards B, in the upper ends of which is journaled a shaft, C.

Secured to the rear side of the shaft C, midway between the ends of the same, is an angular arm, D, to the forward end of which is pivoted a dasher, D, which works in a churn, *d*, seated on a cross or supporting piece secured to the longitudinal beams *a*.

Near the rear ends of the longitudinal beams *a* are provided vertical uprights *e*, in which is journaled a crank-shaft, F, carrying at one of its ends outside of the frame a balance or fly wheel, *g*.

Connecting the crank-shaft with the rear end of the angular arm D is a rod, D'. It will thus be seen that when said crank-shaft is turned it will, through the medium of the rod D' and arm D, impart a reciprocatory movement to the dasher. The crank-shaft is extended beyond the frame, and is bent to form an operating-handle.

At the lower rear end of the frame is mounted a treadle, G, carrying at its outer end a weighted arm or rod, H. This arm or rod H is adapted to be pivoted to the crank or handle of the crank-shaft. It will thus be seen that said treadle may be operated to turn the crank-shaft, or, if preferred, the treadle may be disconnected and the crank-shaft operated by hand.

In Fig. 2 I have shown an ordinary hand-saw in position for operation. In this case the rear end of the saw is connected with the crank-shaft at one end and with the angular arm at its other end.

The saw may be operated by the handle of the crank-shaft, or said handle may be connected with the treadle and operated thereby, as before described.

It will be seen from the above description that my improved mechanical power is simple in its construction, may be manufactured and supplied at a slight cost, is effective in its operation, and strong and durable.

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

1. In a mechanical power, the combination, with a suitable supporting-frame, of a shaft carrying an angular arm journaled at one end thereof, and a crank-shaft journaled at its other end, substantially as set forth.

2. In a mechanical power, the combination, with a suitable supporting-frame, of a shaft carrying an angular arm journaled at one end thereof, a crank-shaft journaled at its other end, and a treadle connected with said crank-shaft for operating the same, as set forth.

3. In a mechanical power, the combination, with a suitable supporting-frame, of a shaft carrying an angular arm journaled at one end thereof, a crank-shaft journaled at the other end of the frame, an arm or rod connecting said angular arm and crank-shaft, and a treadle for operating the same, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN HARDIN FORISTER.

Witnesses:

M. J. SLOAN,
M. J. KOCH.