

J. R. Saffy,

Churn.

No. 106,079.

Patented Aug. 2. 1870.

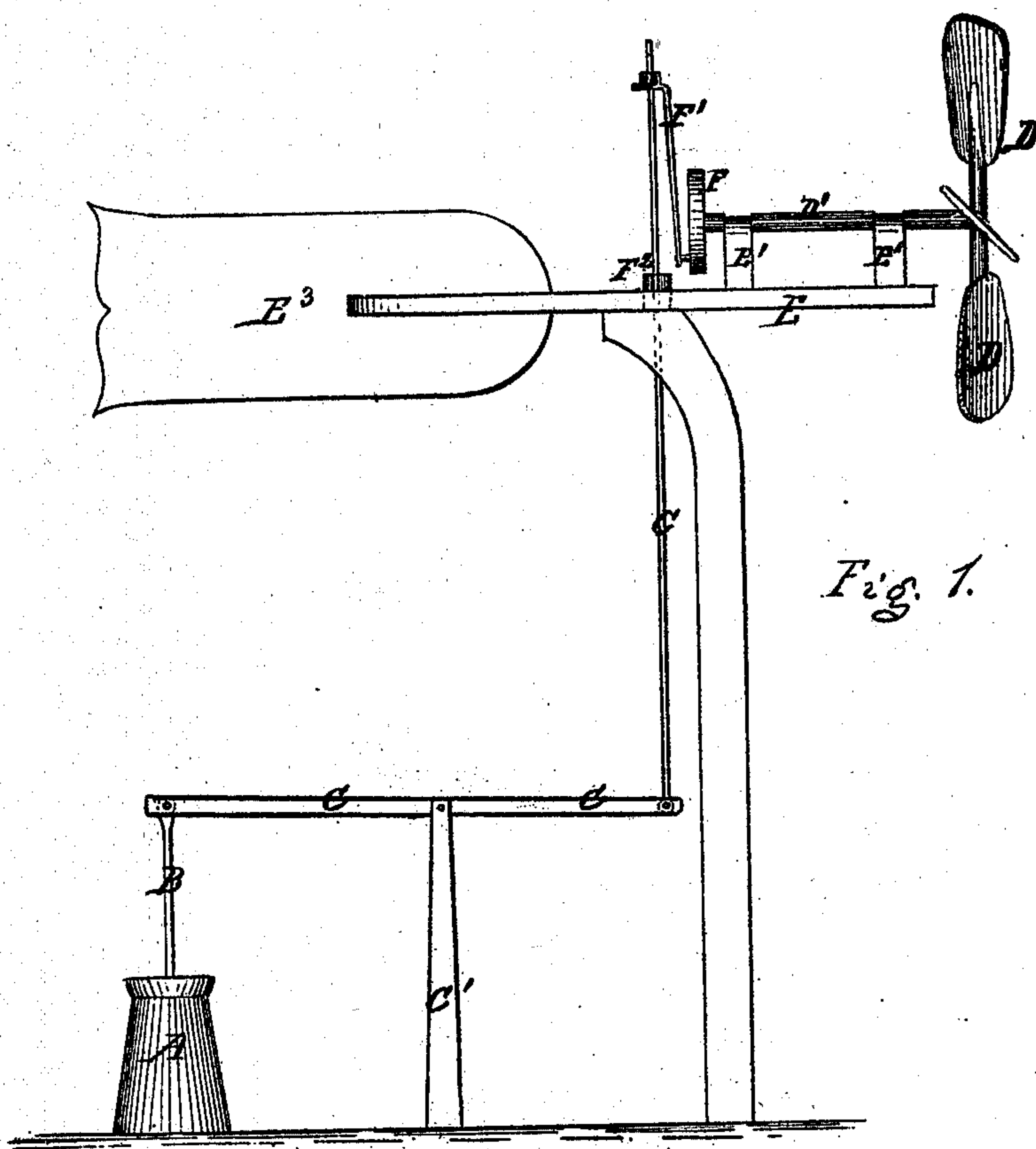


Fig. 1.

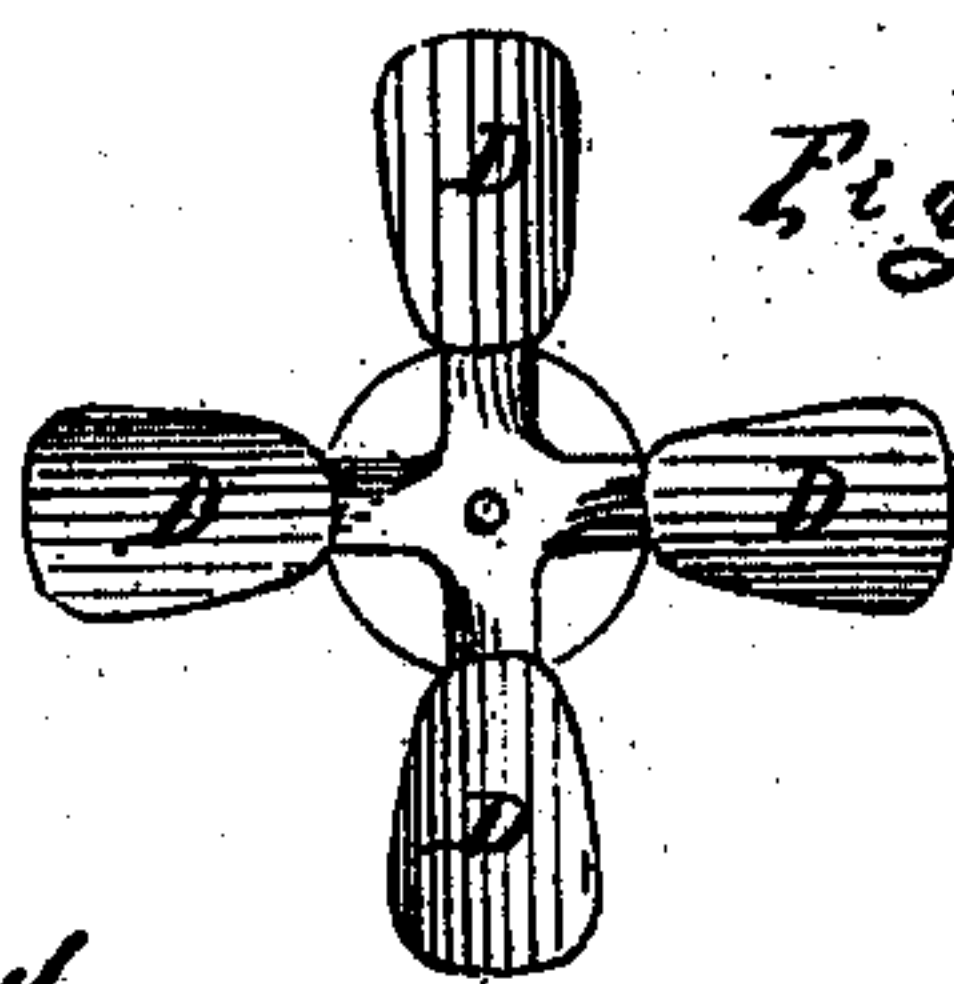


Fig. 2.

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JOSEPH R. SAPP, OF DANVILLE, OHIO.

Letters Patent No. 106,079, dated August 2, 1870.

IMPROVEMENT IN CHURNS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JOSEPH R. SAPP, of Danville, in the county of Knox and State of Ohio, have invented a certain Improvement in Operating Churns; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making part of this specification, in which—

Figure 1 is an elevation, showing the devices which I propose to employ in operating churns.

Figure 2 is a front view of the wind-wheel, shown in fig. 1.

My invention consists in applying the power derived from a wind-wheel to operate the dasher of a churn, namely, in the combination of the wind-wheel shaft, dasher-rod, and intermediate mechanism, as will more fully appear from the following specification and claim.

To enable those skilled in the art to make and use my invention, I will proceed to describe it more specifically.

In the annexed drawing—

A represents the barrel of a churn, and

B the dasher-rod.

The upper end of the dasher-rod is attached to a rocking-bar, C, which may be pivoted upon a post, C', or at any convenient point on the wall of a room in which the churn is to be used, and may be made of metal or wood.

D represents a wind-wheel, of any approved construction, attached to the end of a horizontal shaft,

D', having its bearings in boxes E¹ of a platform, E. This platform is mounted upon a pivot, E², on top of a high post or the roof of the building, on which pivot it can revolve in either direction. Upon one side of the pivot the shaft, carrying the wind-wheel at its outer end, is mounted, while on the opposite side the platform is provided with a vane, E³, for keeping the face of the wheel exposed to the wind.

F is a disk, fastened, on the inner end of the shaft D', to a wrist-pin, on which the pitman F' is attached. The other end of the pitman is secured to a vertical connecting-rod, G, which, passing through an aperture in the pivot E², in which it is guided, is attached at its lower end to the rocking or oscillating bar C.

Suitable means are to be provided for stopping the movement of the wind-wheel.

I do not claim broadly the application of wind power to operate a churn-dasher.

Having thus described my invention,

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

The arrangement of the churn A, dasher B, rocking-shaft C, connecting-rod G, pinion F, disk F', shaft D', and wind-wheel D, as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH R. SAPP.

Witnesses:

O. SAPP,

S. H. PORTER.