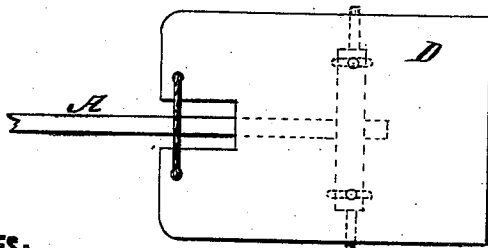
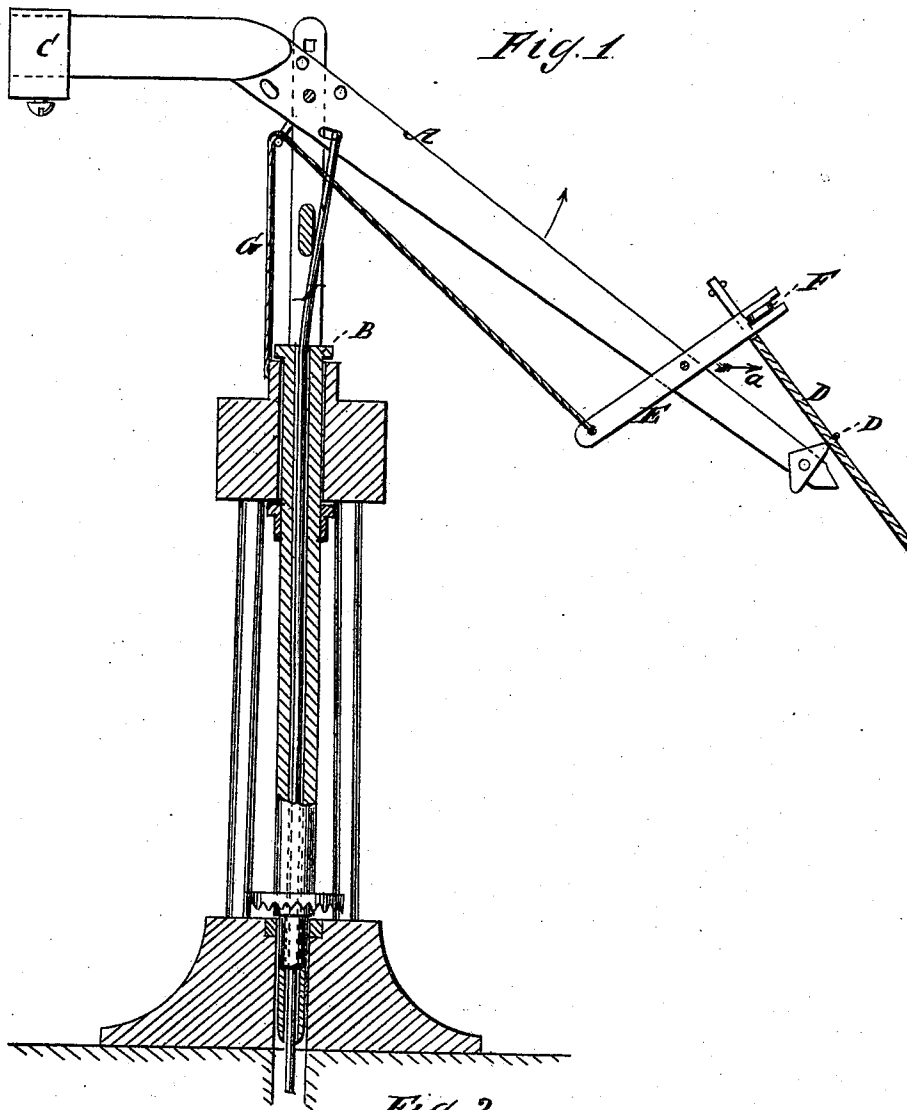


C. SCHNEIDER.
WIND-POWER.

No. 172,784.

Patented Jan. 25, 1876.



WITNESSES:

E. W. Woff
A. G. Perry

INVENTOR:

C. Schneider
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CONRAD SCHNEIDER, OF CHARLES CITY, IOWA.

IMPROVEMENT IN WIND-POWERS.

Specification forming part of Letters Patent No. 172,784, dated January 25, 1876; application filed June 12, 1875.

To all whom it may concern:

Be it known that I, CONRAD SCHNEIDER, of Charles City, in the county of Floyd and State of Iowa, have invented a new and Improved Wind-Power, of which the following is a specification:

My invention is an improvement in wind-powers, whose chief or distinguishing feature is a fan or blade arranged to be tilted by the wind, and by its vibrations effecting the desired result, such as pumping water and operating various machines used for agricultural and other purposes.

The improvement relates particularly to the construction and arrangement of parts, as hereinafter described and claimed.

Figure 1 is a sectional elevation of my improved machine, and Fig. 2 is a top view of the fan.

Similar letters of reference indicate corresponding parts.

A is a lever pivoted on the top of the vertical shaft B, so as to swing up and down.

C is a counterpoise on the short arm, and D is a fan pivoted on the long arm by a horizontal axis, and balanced on the pivot, but having larger area above than below the pivot.

E is a bar pivoted to lever A under the upper end of the fan, and extending through a slot in it, with a head-piece, F, on the upper end to limit the upward swing of fan, and it is also to prevent the fan from swinging up

when the machine is not required to run, by holding it down on the lever by the cord G, arranged to pull it down by hand, and hold it by being made fast to the frame or any stationary object.

It will be seen that the wind blowing under the fan, as indicated by arrow *a*, will swing it up until it assumes a horizontal position, when, on account of the greater area of the upper part, that will swing down and take the air, so as to be forced down until, by passing the horizontal plane so that the air blows under it again, it will be forced upward as before, thus making continuous vibratory motion until the bar E, being pulled down by the rope, holds it so that it cannot swing.

The lever and fan may be arranged to swing horizontally on the same plane, if preferred.

I is the rod for transmitting the motion to the pump.

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

In a wind-power apparatus, the combination, with the swinging lever and vibratory fan, of bar E and cord G, substantially as shown and described, to operate as and for the purpose specified.

CONRAD SCHNEIDER.

Witnesses:

W. D. BALCH,
J. F. SPAULDING.