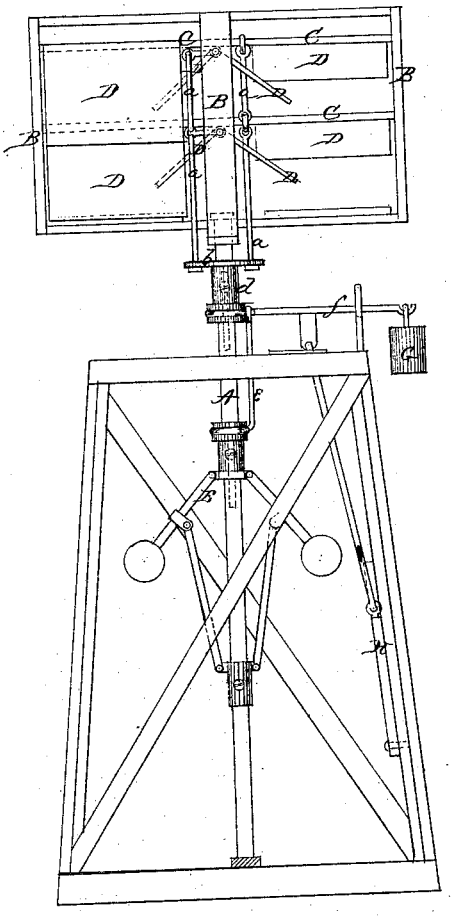
B. W. Stanton,

Wind Mill.

No. 113,218. Patented Mar. 28. 1871.



Witnesses.

C. L. Everett

Jas. G. Hutchinson

Inventor.

Bradley W. Stanton

per

Alexander Mason

Attys

United States Patent Office.

BRADLEY W. STANTON, OF ALMENA, MICHIGAN.

Letters Patent No. 113,218, dated March 28, 1871.

IMPROVEMENT IN WINDMILLS.

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, BRADLEY W. STANTON, of Almena, in the county of Van Buren, and in the State of Michigan, have invented certain new and useful Improvements in Windmills; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a windmill, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a side elevation of my windmill.

A represents the shaft or spindle of the windmill, at the upper end of which are secured two frames B B. These frames are of any desired size, and cross each other at right angles in the center, the spindle A passing through the lower joint as shown.

In the end pieces of the frames B B are inserted shafts C C, upon each of which are secured two wind-boards D D, one on the side, and the other on top of the shaft; or, in other words, the two wind-boards on the same shaft stand at right angles with each other.

There may be as many of these wind-boards as may be desired.

When closed they lap onto each other like the siding to a house at one end of the frame, while at the other end the wind-boards lie horizontal, thus making one side of the wheel closed while the other side is open, letting the wind pass through.

The shafts C C are connected by rods *a a*, which pass through a plate, *b*, attached to a collar, *d*, on the shaft A. This collar *d* is, by another rod *e*, connected with the governor E, which regulates the motion of the wheel by opening the fans or wind-boards and letting the wind pass through.

A rod, *f*, is connected with the lower end of the collar *d*, and at the outer end of said rod is attached a weight, G, which keeps the governor from spreading until the motion gets to a desired point.

A lever, H, is connected with the rod *f*, and by pulling down on said lever the mill is stopped

Having thus fully described my invention,.

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

The shafts C C, wind-boards D D, rods *a a*, plate *b*, collar *d*, rod *e*, and governor E, the several parts being constructed and arranged substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of January, 1871.

BRADLEY W. STANTON.

Witnesses:

LEMUEL H. FOSTER,

ISAAC N. RICHARDS.