

W. E. DEWEY.
WIND MILL.

No. 171,925.

Patented Jan. 11, 1876.

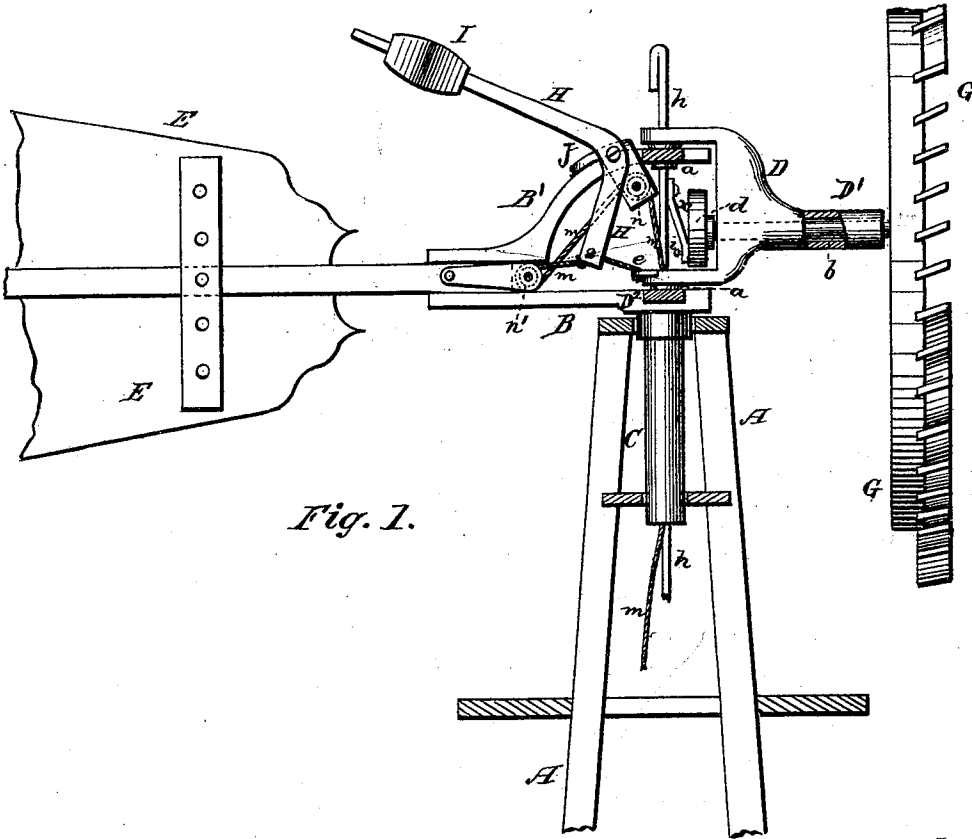


Fig. 1.

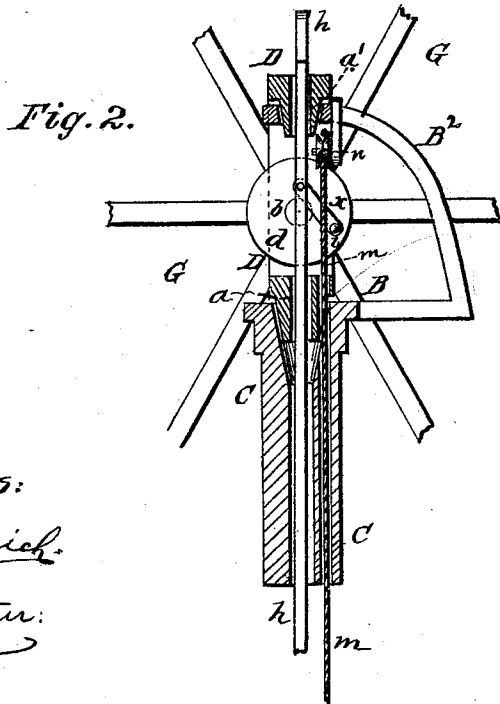


Fig. 2.

WITNESSES:

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WILLIE E. DEWEY, OF DELAVAN, WISCONSIN.

IMPROVEMENT IN WINDMILLS.

Specification forming part of Letters Patent No. **171,925**, dated January 11, 1876; application filed September 16, 1875.

To all whom it may concern:

Be it known that I, W. E. DEWEY, of Delavan, in the county of Walworth and State of Wisconsin, have invented certain new and useful Improvements in Windmills; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

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

In the accompanying drawing, Figure 1 is a side elevation of my windmill. Fig. 2 is a detailed section of a part thereof.

A is the ordinary frame or tower. B is the bed-piece, having projecting downward from its lower side a hollow tube or cone, C, which revolves freely with the vane E when it turns to the wind. From the back part of the bed-piece B projects upward and forward a curve, B¹, the upper end of said curve being connected with the front end of the bed-piece by a brace, B². The whirling bed-piece D, which is the main support for the head, is hung upon two hollow tapering pivots, *a a'*, inserted in the bed-piece B and curve B¹, as shown in Fig. 2. *n* is the upper pulley for the regulating-chain *m*. *h* is the pitman-rod, which passes through the hollow pivots *a a'*, and is connected by a pitman, *x*, with a crank-pin, *i*, on the disk *d*, said disk being secured to the inner end of the wheel-shaft *b*, which passes

through the hollow arm or bar D¹ of the bed-piece D. G is the wind-wheel. On top of the curve B¹ is bolted a bracket, J, for the regulating-arm H, said arm being L-shaped and pivoted to said bracket. D² is an arm projecting from the whirling bed-piece D, and connected by a rod, *e*, with the lower end of the arm H, and upon the upper end of said arm H is a weight, I, which tends to throw the mill out of gear. *n'* is the lower regulating-pulley, over which the regulating-chain *m* passes. By pulling on this chain the mill may be thrown in gear ready for use.

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

1. The combination of the bracket J, weighted regulating-arm H, connecting-rod *e*, and whirling bed-piece D, with arm D², substantially as and for the purposes herein set forth.

2. The combination of the bed-piece B, with curve B¹ and brace B², the whirling bed-piece D, having tapering pivots *a a'*, tube C, pitman *h*, weighted regulating-arm H, and rod *e*, connecting the arm H with the arm D², all combined substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

WILLIE E. DEWEY.

Witnesses:

LYMAN H. SEAVER,
E. W. BLANCHARD.