J. COOK.

Wind-Mill.

No. 168,881. Patented Oct. 19, 1875.

Fig. 1.

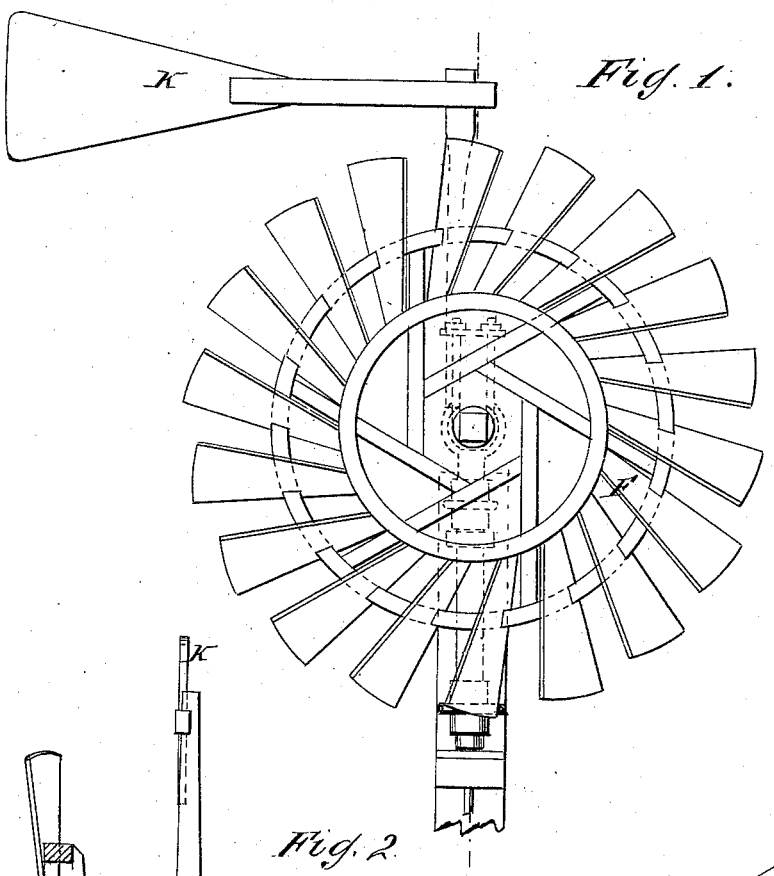

Fig. 2.

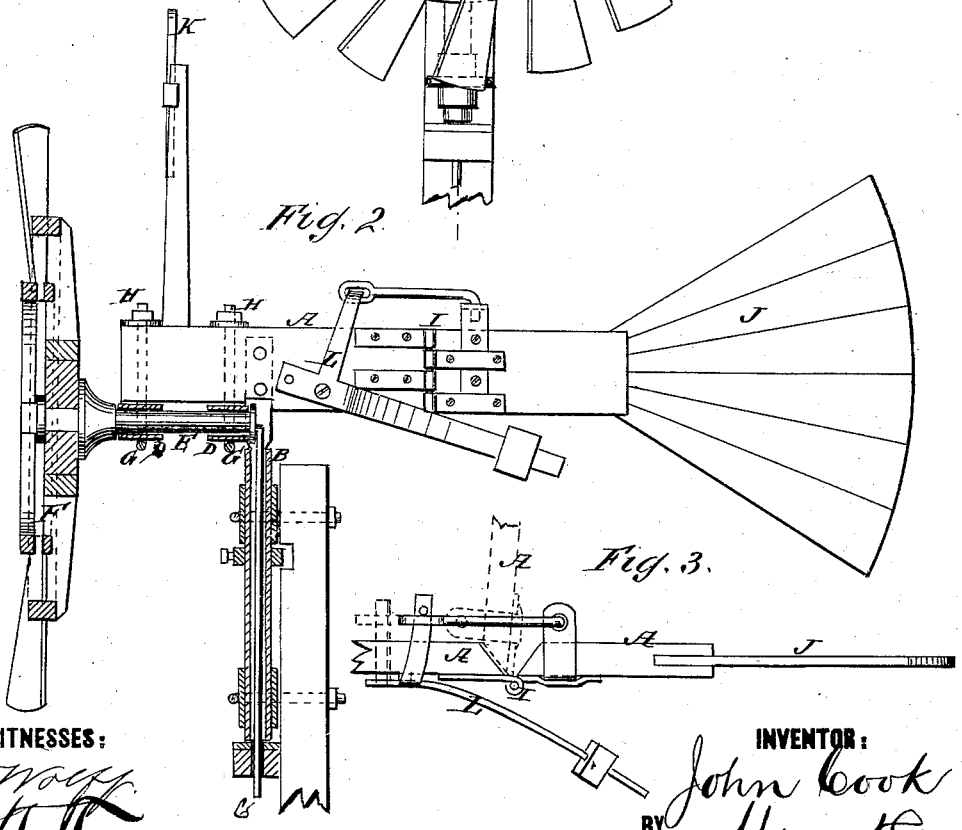

Fig. 3.

WITNESSES:

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JOHN COOK, OF HARLEM, OHIO.

IMPROVEMENT IN WINDMILLS.

Specification forming part of Letters Patent No. **168,881**, dated October 19, 1875; application filed August 28, 1875.

To all whom it may concern:

Be it known that I, JOHN COOK, of Harlem, Delaware county, Ohio, have invented a new and Improved Windmill, of which the following is a specification:

This invention consists of the crank-shaft bearing connected to the horizontal beam which supports the machine in a simple and efficient way by means of stirrups or yokes; and it also consists of a joint in the beam for the tail-vane to swing around out of the wind when it blows too strong, in combination with a weighted lever for keeping the vane in the wind, all being arranged in a simple and cheap, but efficient, contrivance.

Figure 1 is a front elevation of my improved windmill. Fig. 2 is a sectional elevation taken on the line *x x*, and Fig. 3 is a detail plan view.

Similar letters of reference indicate corresponding parts.

A is the horizontal beam for supporting the wheel on the revolving pivot B, which, in this example, is made hollow for the connecting-rod C. D represents the bearings for the shaft E of the wheel F, which are fastened to the beam in a simple but permanent manner by the stirrups or yokes G and nuts H, which clamp the bearings firmly against the under side of the beam. I represents the joint in the beam for allowing the tail-vane to swing around parallel with the wheel and the vane K when the wind blows too hard, and L is the weighted lever for holding the vane in the axis of the wheel for keeping the wheel at work.

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

1. The shaft-bearings D, secured to the beam A by the strips G and nuts H, substantially as specified.

2. The combination of the weighted elbow-lever L and connecting arm or link with the jointed beam A, vane J, and the wheel F, all constructed and relatively arranged as set forth.

JOHN COOK.

Witnesses:
H. J. BOOTH,
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