

(No Model.)

M. I. BEAUDREAU.
GOVERNOR FOR STEAM ENGINES.

No. 274,553.

Patented Mar. 27, 1883.

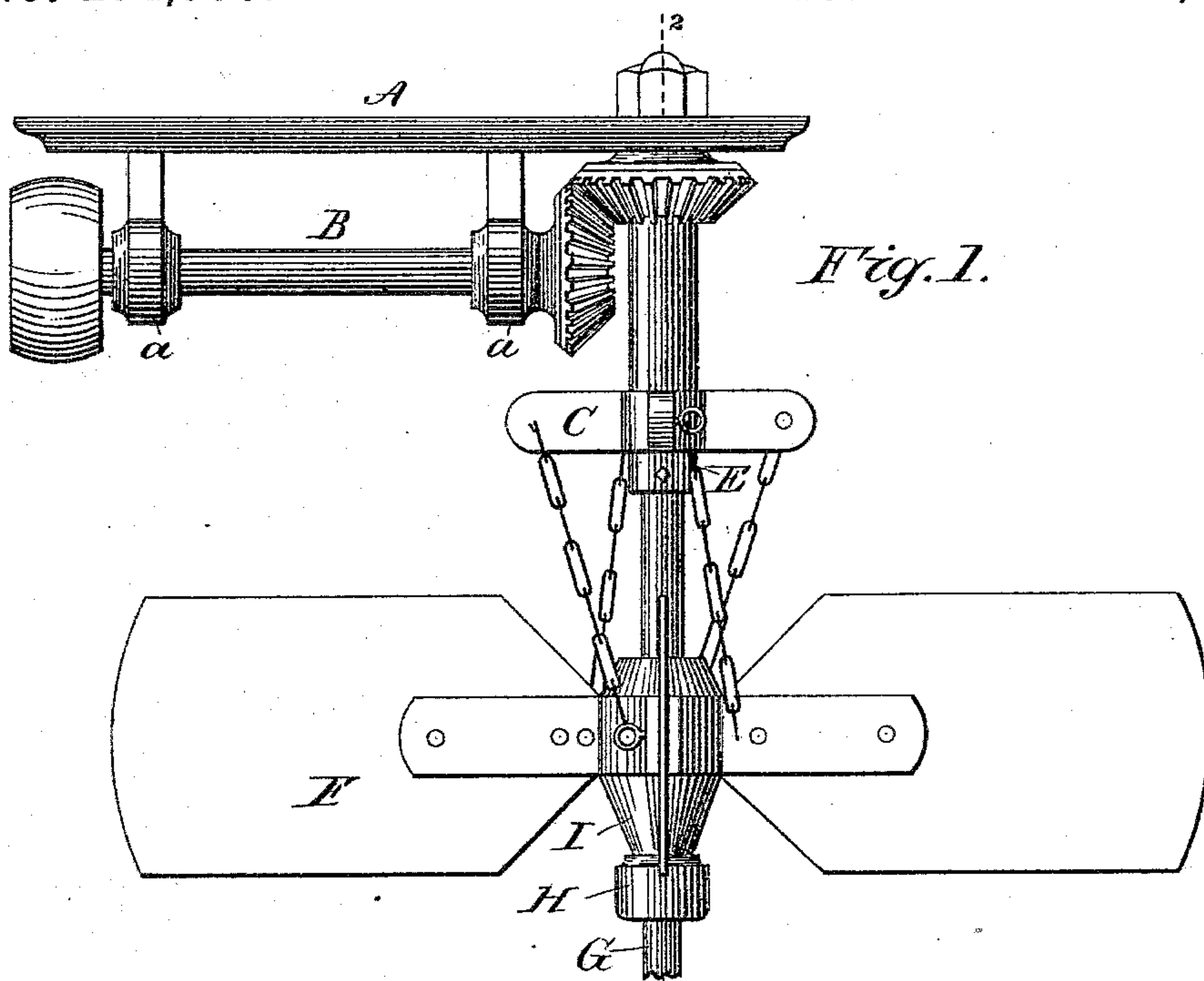


Fig. 1.

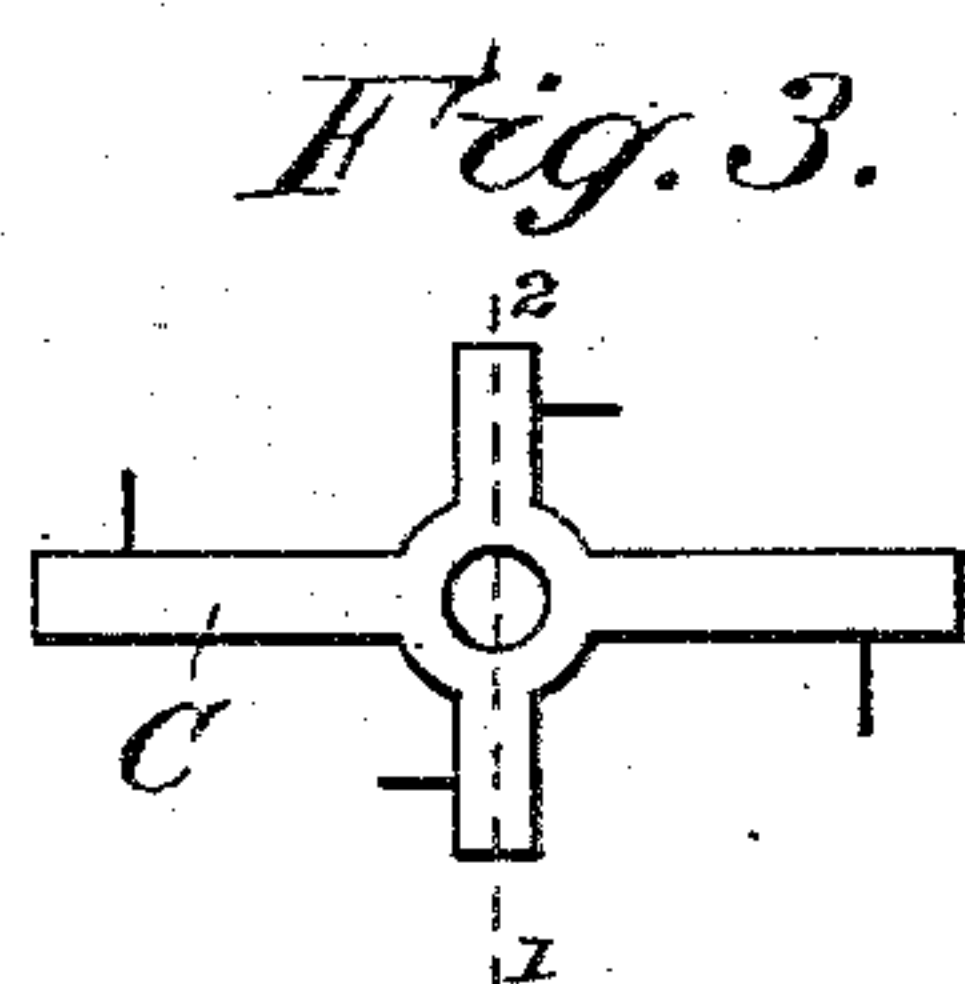


Fig. 3.

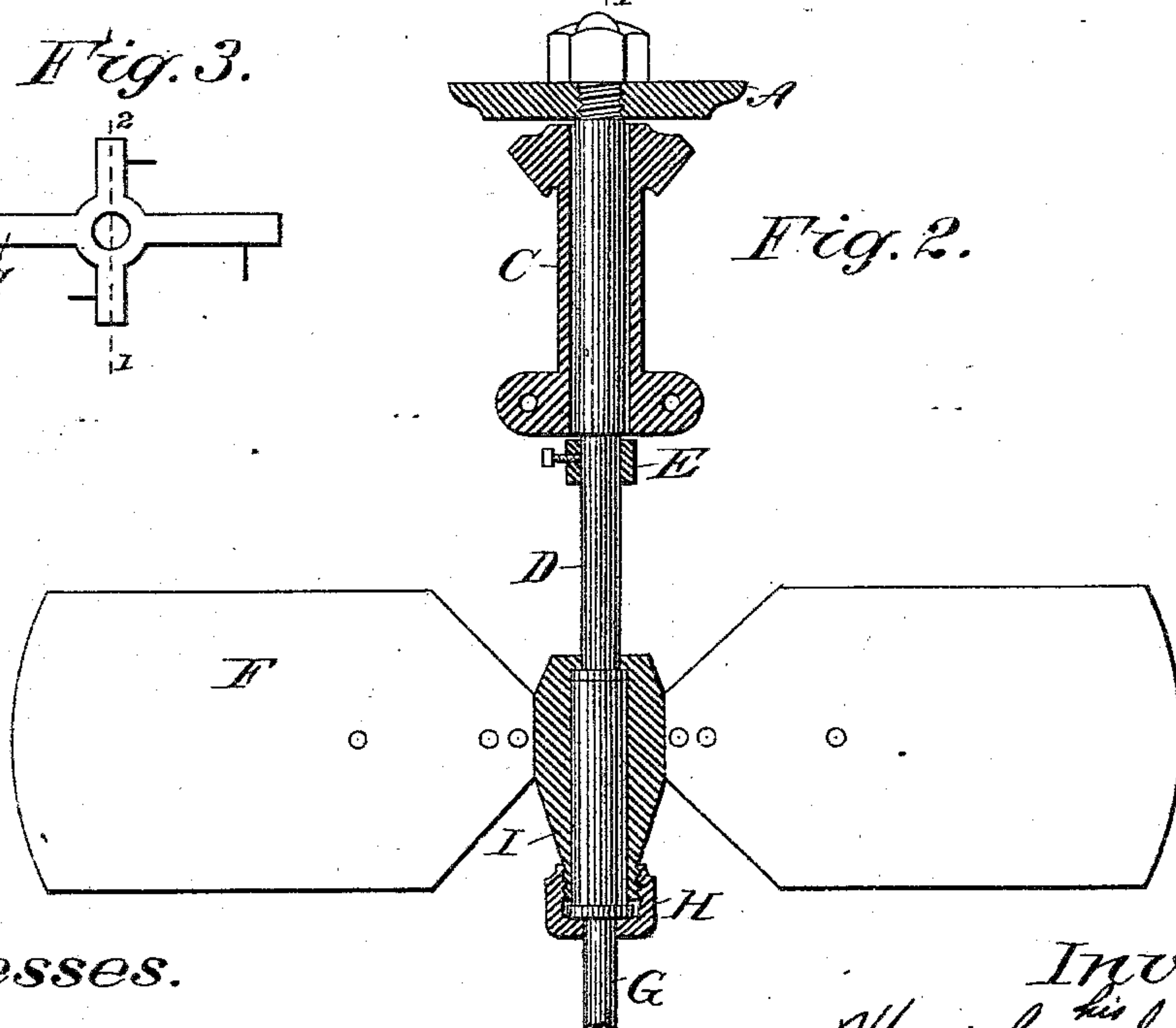


Fig. 2.

Witnesses.

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UNITED STATES PATENT OFFICE.

MATHIAS I. BEAUDREAU, OF FOND DU LAC, WISCONSIN.

GOVERNOR FOR STEAM-ENGINES.

SPECIFICATION forming part of Letters Patent No. 274,553, dated March 27, 1883.

Application filed August 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, MATHIAS I. BEAUDREAU, of Fond du Lac, Wisconsin, have invented an Improvement in Governors for Steam-Engines, Water-Wheels, and Windmills, of which the following is a specification.

My invention consists in the use of the combination of rotating fans and driving chains in the manner specified, by which I am able to work it either in a horizontal or perpendicular position.

In the accompanying drawings, Figure 1 is a view of the entire machine. Fig. 2 is a vertical section on the line 1 2, Fig. 1; and Fig. 3 is a bottom view of the rotating cross-head, to which the fans are connected by chains.

Similar letters refer to similar parts throughout the several views.

The plate A, which supports the driving-shaft B, may be attached to a building or frame of a machine on which it is in use. In the hangers *a a* turns the shaft B, driving with miter gearing the cross-head C, which revolves upon the shaft D, which is securely fastened to the frame A. Upon the shaft D is a collar, E, which holds in position the cross-head.

Below the collar E the shaft D acts as a guide for the fans F, which are driven by chains from the cross-head C, and which ascend as the velocity increases and fall as it decreases by the partial winding and unwinding of the chains. The hub I of the fans F is bored so as to slide up and down on the lower part of the shaft D. At the base of the hub I is a rod, G, secured to the hub by a nut, H, in such a manner as to allow the fans to revolve without turning the rod. This rod may be extended to impart motion to an engine-valve or the gates of a water-wheel or the fans of a windmill.

What I claim as my invention and improvement is—

In a governor, the combination of the fans F, cross-head C, and chains K, so arranged that the fans F are connected to the cross-head C and are revolved and lifted by the chains K, substantially as described.

MATHIAS I. BEAUDREAU.

Witnesses:

I. C. BEAUDREAU,
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