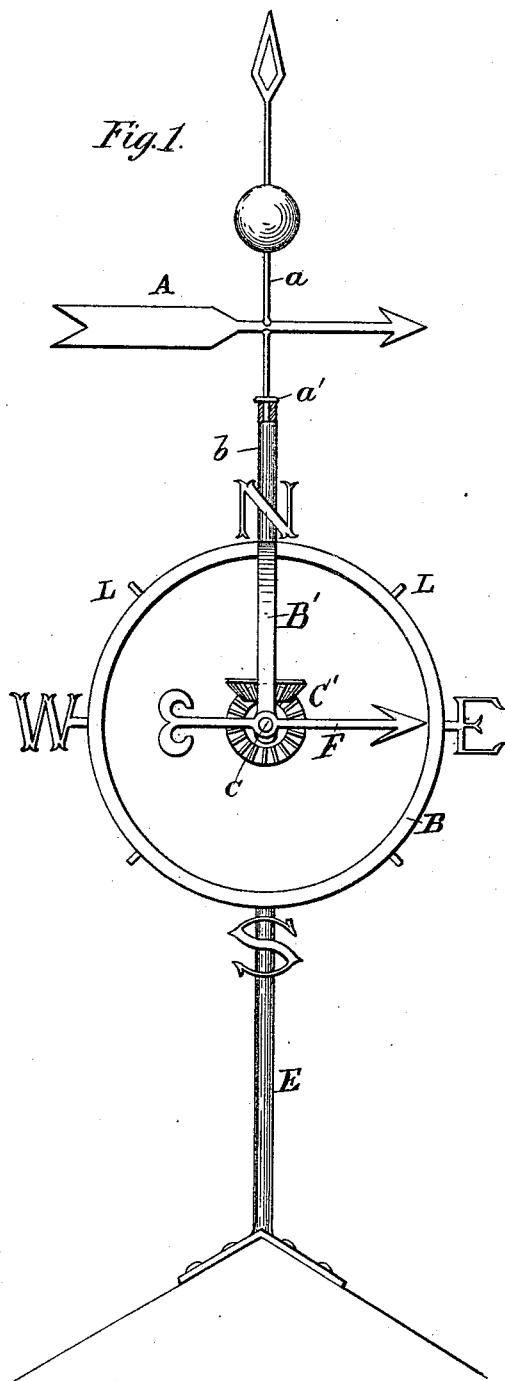


(No Model.)

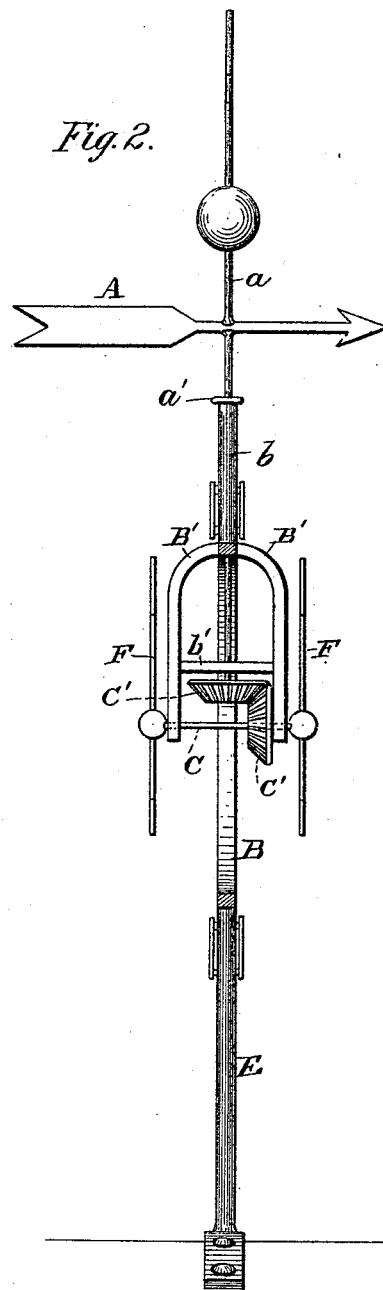
J. MARET.
ANEMOSCOPE.

No. 419,608.

Patented Jan. 14, 1890.



Attest:
Geo. T. Smallwood,
Walter Scott.



Inventor
James Maret
By Raine & Sons,
attys

UNITED STATES PATENT OFFICE.

JAMES MARET, OF MOUNT VERNON, KENTUCKY, ASSIGNOR OF TWO-THIRDS
TO DAVID N. WILLIAMS AND JOHN W. BROWN, BOTH OF SAME PLACE.

ANEMOSCOPE.

SPECIFICATION forming part of Letters Patent No. 419,608, dated January 14, 1890.

Application filed January 19, 1889. Serial No. 296,883. (No model.)

To all whom it may concern:

Be it known that I, JAMES MARET, a citizen of the United States, residing at Mount Vernon, in the county of Rock Castle and State of Kentucky, have invented certain new and useful Improvements in Anemoscopes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

15 This invention relates to weather-vanes; and it consists in the novel construction and combination of the parts, hereinafter fully described and claimed, whereby the vane is supported, and whereby the direction of the wind is indicated upon vertically-arranged dials.

20 In the drawings, Figure 1 is a front view of the indicator and the weather-vane. Fig. 2 is a side view of the same, a portion of the dial-ring being broken away to show the miter-wheels and the cross-bar support.

25 A is the weather-vane, which may be of any approved form, and *a* is the vertical spindle upon which said vane is secured.

30 B is an open ring of metal, having the sleeve *b* at the top, in which the spindle *a* is journaled, and *a'* is a collar on spindle *a*, which collar rests upon the top of the sleeve *b*.

35 B' are outwardly-bent arms which project downwardly from the top of the ring B, and *b'* is a cross-bar uniting the lower ends of said arms B' and forming an additional support and bearing for the spindle *a*.

40 C is a horizontal shaft journaled in the lower ends of arms B', and C' are intergearing toothed miter-wheels secured upon the spindle *a* and upon the shaft C.

45 The letters "N. E. S. W.," indicating the cardinal points of the compass, are secured to the ring, and the intermediate radially-projecting points L indicate the respective intermediate points of the compass.

E is a standard at the bottom of ring B, by which the whole device may be secured to the roof of a house or in any other suitably-exposed location.

50 Fare pointers secured upon the ends of the shaft C. Two of these are provided, and the index-letters, projecting outside of the ring, are visible from both sides of the device. It will be seen that every change in the direction of the wind causes the vane to move the pointers to a corresponding position on the dial, and that the said dial being open it offers little or no resistance or obstruction to the wind, which is not deflected in any direction by it so as to make the vane indicate falsely.

What I claim is—

1. The combination, with a weather-vane provided with a vertical spindle, of the open ring having the sleeve at the top, the index-letters, the spindle and shaft supporting arm extending inward from the ring and formed integral therewith, a horizontal shaft journaled in the said arm and provided with a pointer, and intergearing toothed miter-wheels secured to the said spindle and shaft, substantially as and for the purpose set forth.

2. The combination, with a weather-vane provided with a vertical spindle, of the open ring provided with a standard at the bottom, a sleeve for the vane-spindle at the top, outwardly-bent arms united by a cross-bar also for supporting said spindle, index-letters carried by the ring, a horizontal shaft journaled in the said arms, two pointers secured one upon each end of said shaft, and intergearing toothed miter-wheels secured to the said spindle and shaft, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES MARET.

Witnesses:

D. N. WILLIAMS,
J. W. BROWN.