

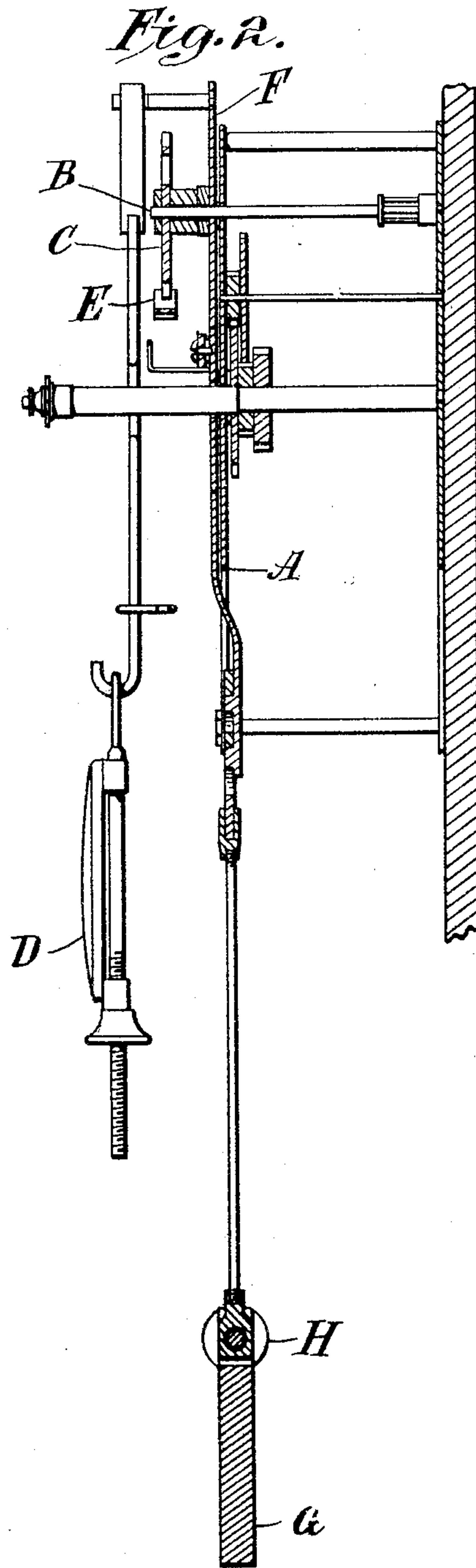
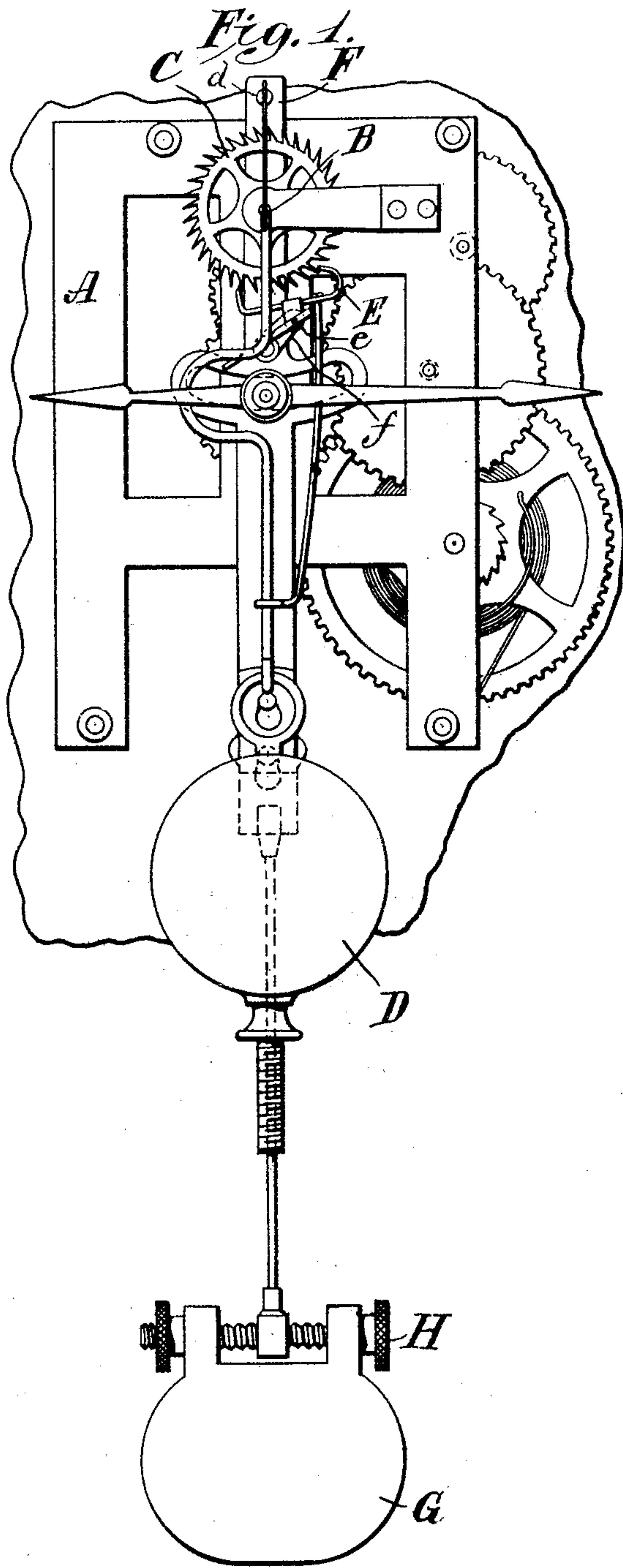
No. 776,574.

PATENTED DEC. 6, 1904.

W. WEBBER.
ESCAPEMENT FOR CLOCK MECHANISMS.

APPLICATION FILED FEB. 8, 1904.

NO MODEL.



Witnesses
Edgeworth Trime
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Wesley Webber Inventor
By His Attorney *H. V. N. Philip*

UNITED STATES PATENT OFFICE.

WESLEY WEBBER, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
ANNIE SCHENCK ANABLE, OF MORRISTOWN, NEW JERSEY.

ESCAPEMENT FOR CLOCK MECHANISMS.

SPECIFICATION forming part of Letters Patent No. 776,574, dated December 6, 1904.

Application filed February 8, 1904. Serial No. 192,477. (No model.)

To all whom it may concern:

Be it known that I, WESLEY WEBBER, a citizen of the United States of America, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Escapements for Clock Mechanisms, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to clock mechanism, and particularly to the escapement thereof. Its object is to provide means for maintaining the parts of the escapement mechanism in proper relation with each other.

Clocks not having my improvement will not correctly keep time if they are tilted or become out of plumb and if tilted far enough will stop; but if a clock mechanism is provided with my improvement the parts of the escapement are maintained in proper relation with each other whether or not the frame of the works is tilted.

My invention is illustrated in the accompanying drawings, in which similar letters of reference indicate similar parts throughout both views, of which—

Figure 1 is a front elevation of the works of an ordinary clock-movement with my improvement applied thereto. Fig. 2 is a side view thereof, partly in section.

A represents the frame of the clock mechanism. B indicates the journal or axis of the escapement-wheel C. D and E are respectively the pendulum and the verge.

Journalled about the axis B is a bar or support F. This bar or support F bears the pendulum D, fixed to it in the usual manner at *d*, and also bears the verge E, through the arm *f* on which said verge E is journalled at *e*. Said bar or support F also carries a weight G, the position of which may be regulated by the set-screw H.

It will be readily understood that as said frame A is tilted to the right or left the bar or support F will swing about the axis B, carrying with it the pendulum-support *d* and the journal of the verge *e*, so as to maintain said pendulum and verge in the same operative relation with the escapement-wheel C.

The tendency of the support F to vibrate is compensated by supporting the pendulum and verge on said support F upon opposite sides of the axis B. To accomplish this result, it will be understood that the supports *d* of the pendulum and *e* of the verge should be upon opposite sides of a horizontal plane passing through the axis B.

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

1. An escapement for clock mechanism which consists of an escapement-wheel, pendulum and verge therefor, said pendulum and verge being borne upon a support adapted to swing about the axis of said wheel, and hold the same upon opposite sides of a horizontal plane through the axis of said wheel, and means for maintaining said pendulum and verge in proper relation with said wheel.

2. An escapement for clock mechanism which consists of an escapement-wheel, pendulum and verge therefor, said pendulum and verge being borne upon a support adapted to swing about the axis of said wheel, and hold the same upon opposite sides of a horizontal plane through the axis of said wheel, and a weight attached to said support for maintaining the same in a predetermined position about said axis.

3. An escapement for clock mechanism which consists of an escapement-wheel, pendulum and verge therefor, said pendulum and verge being borne upon a support adapted to swing about the axis of said wheel and hold the same upon opposite sides of a horizontal plane through the axis of said wheel, and a weight adjustably attached to said support for maintaining the same in a predetermined position about said axis.

4. In an escapement for clock mechanism, the combination of an escapement-wheel, a bar or support adapted to swing about the axis of said wheel, and hold the same upon opposite sides of a horizontal plane through the axis of said wheel, a pendulum borne by said support, a verge journalled on said support, with a weight attached to said support and adapted to maintain the same in a predetermined relation with said axis.

5. In an escapement for clock mechanism,
the combination of an escapement-wheel, a bar
or support adapted to swing about the axis of
said wheel, and hold the same upon opposite
5 sides of a horizontal plane through the axis of
said wheel, a pendulum borne by said support,
a verge journaled on said support, with a
weight adjustably attached to said support and

adapted to maintain the same in a predeter-
mined relation with said axis.

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In witness whereof I have hereunto set my
hand this 5th day of February, 1904.

WESLEY WEBBER.

In presence of—

J. F. BONDREAU,

EDITH E. KUPFER.