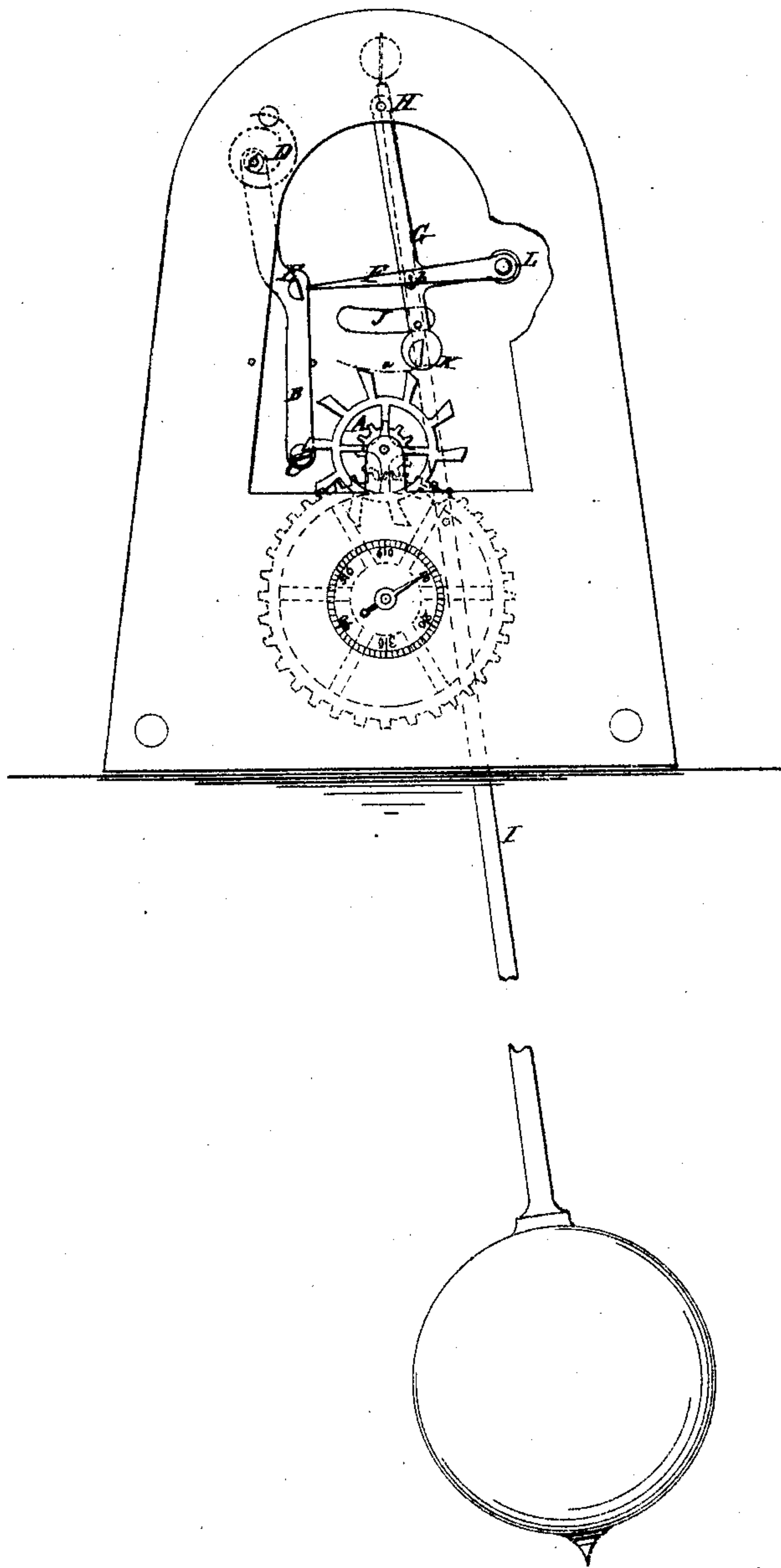


A. PLATT.
Clock-Escapements.

No. 144,287.

Patented Nov. 4, 1873.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALOYS PLATT, OF NEW YORK, N. Y.

IMPROVEMENT IN CLOCK-ESCAPEMENTS.

Specification forming part of Letters Patent No. **144,287**, dated November 4, 1873; application filed August 16, 1873.

To all whom it may concern:

Be it known that I, ALOYS PLATT, of the city, county, and State of New York, have invented a new and useful Improvement in Chronometer-Escapement for Pendulums, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

The drawing is a side elevation of my improved chronometer-escapement.

A represents the scape-wheel; B, the swinging bar; C, the pallet thereon for engaging the teeth of the scape-wheel; D, the spring for moving the bar to engage the scape-wheel. E is the stud on the side of the bar, against which the arm F strikes to disengage pallet C from the scape-wheels. G is the bar which carries the arm F. It is pivoted to the frame H, connected to the pendulum I through the slot J, and carries a pallet, K, at its lower end, which receives the impulse of the escapement-wheel, and transmits it through bar G to the pendulum. The arm F is pivoted to the outer end of an arm, L, which projects from bar G on the side opposite to bar B, to provide for greater length of arm F than the distance between the bars B and G will allow, which is governed by the size of the scape-wheel. Immediately after the pallet K has received the impulse of the scape-wheel, the latter is arrested by the pallet C, and the pendulum-bar G swings back to the right, the pallet K passing over the teeth of the wheel, which are held while the wheel

stands, so that they do not cross the path of the pallet K, as indicated by the curved line *a*. The arm F has a pin at *b*, going through a vertical slot in the bar G, to hold it at the right position for striking the stud E, and limiting its rise when it escapes from said stud, which it does by swinging upward, the point being thrown up by the inclined face of the stud, upon which it strikes. The pin at *b*, or a piece in the bar G, having the slot through which the pin projects, may be made adjustable vertically, or the pivot at L may be so, to vary the height at which the point of the arm F will strike the stud E, and from which it will escape to regulate the action.

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

1. A spring-pressed swinging bar, B C, that engages the scape-wheels, provided with a side stud, E, operated by an arm, F, as and for the purpose described.

2. The arm G, having pallet K at the lower end, pivoted to the frame at H, and connected with the pendulum through slot J, as and for the purpose set forth.

3. The pin *b*, passing through a slot of bar G, and combined with the arm F, as and for the purpose specified.

ALOYS PLATT.

Witnesses:

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