(Model.)

P. McMAHON.

GONG BELL.

No. 246,531. Patented Aug. 30, 1881.

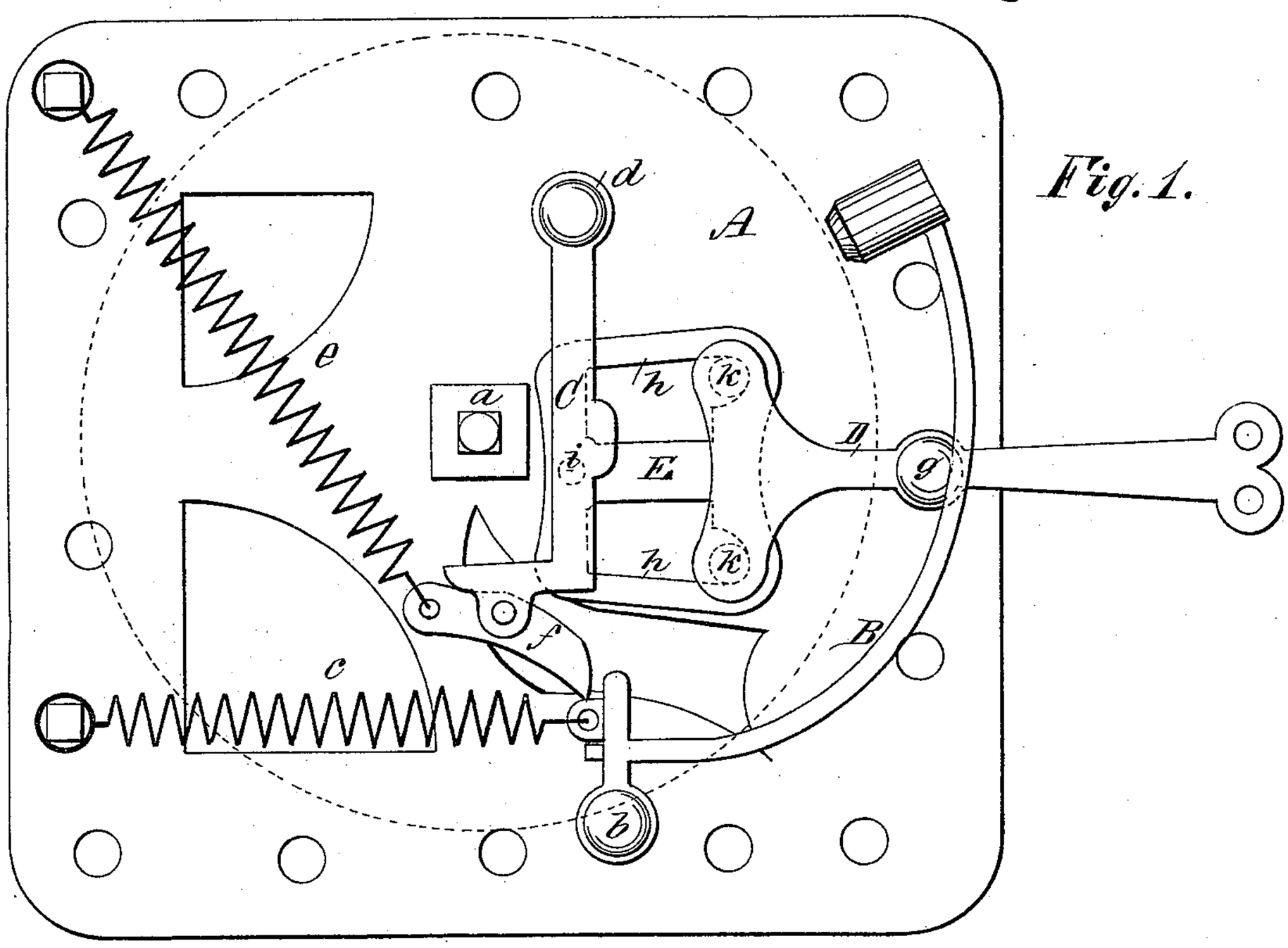

Fig. 1.

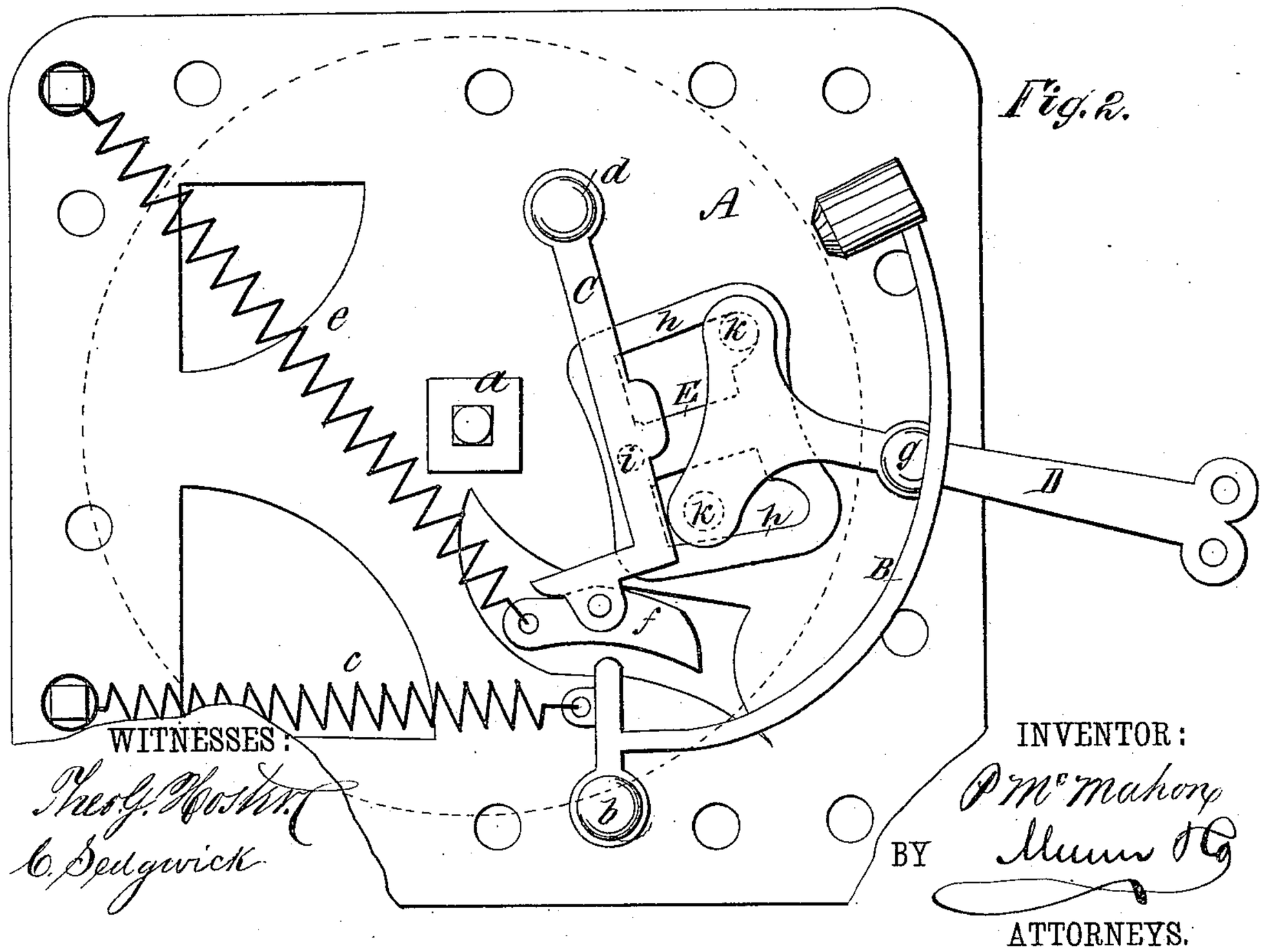

Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

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GONG-BELL.

SPECIFICATION forming part of Letters Patent No. 246,531, dated August 30, 1881.

Application filed July 1, 1881. (Model.)

To all whom it may concern:

Be it known that I, PATRICK McMAHON, of the city, county, and State of New York, have invented a new and Improved Gong-Bell, of which the following is a full, clear, and exact description.

The object of this invention is to obtain in gongs a heavy blow of the hammer with a comparatively short movement of the operating-lever, and also to provide a gong that can be used right or left hand without change of the mechanism.

The invention consists in a double-slotted cam-piece and T-ended operating-lever combined with the trip-lever of the gong, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a plan view of the improved gong mechanism, and Fig. 2 is a similar view with the parts in the position they occupy when the bell is struck.

Similar letters of reference indicate corresponding parts.

A is the plate or frame provided with center post, *a*, for carrying the bell, which is omitted from the drawings.

B is the hammer-lever hung on stud *b*, and provided with a spring, *c*, by which the blow is given.

C is the trip-lever hung on a stud, *d*, and provided with a spring, *e*, for giving the return movement. The moving end of lever C is fitted with a trigger, *f*, engaging hammer-lever B. These parts are of ordinary construction.

D is the operating-lever hung on a stud, *g*, and engaging by its inner end a slotted cam-piece, E, that is hung on the trip-lever C.

The piece E is hung loosely on the trip-lever by a pin, *i*, and is formed with two parallel slots, *h h*, extending in the direction of lever D and terminating equidistant from the fulcrum-stud *g*. The inner end of lever D is T-shape, and is provided at its terminations with studs or projections *k*, that enter the slots *h h*. The pin *i* being between the two slots *h*, the spring *e* retains the lever D in a position at right angles to the trip-lever by means of the lugs *k* at the outer ends of the slots.

With this construction the movement of lever D in either direction draws the trip-lever outward and operates the hammer-lever. The trip-lever is drawn by one or the other of studs *k* acting against the end of its slot *h*, and the extent of movement is the same whichever direction the lever D is moved. At the same time but a comparatively short movement of the operating-lever is required, and the movement is checked by one end of the T-lever D taking against part E, which operates the trip-lever C, as may be seen in Fig. 2.

This mechanism is simple and durable, and the gong can be applied right or left hand without shifting any of the parts.

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

The combination, with a spring-retracted hammer-lever, B, and a trip-lever, C, having trigger *f*, with spring *e*, of the cam-piece E, hung by pin *i* to said lever C, and having the parallel slots *h h*, and the operating-lever D, hung on stud *g*, and having a T-end, with studs *k k*, as and for the purpose described.

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Witnesses:
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