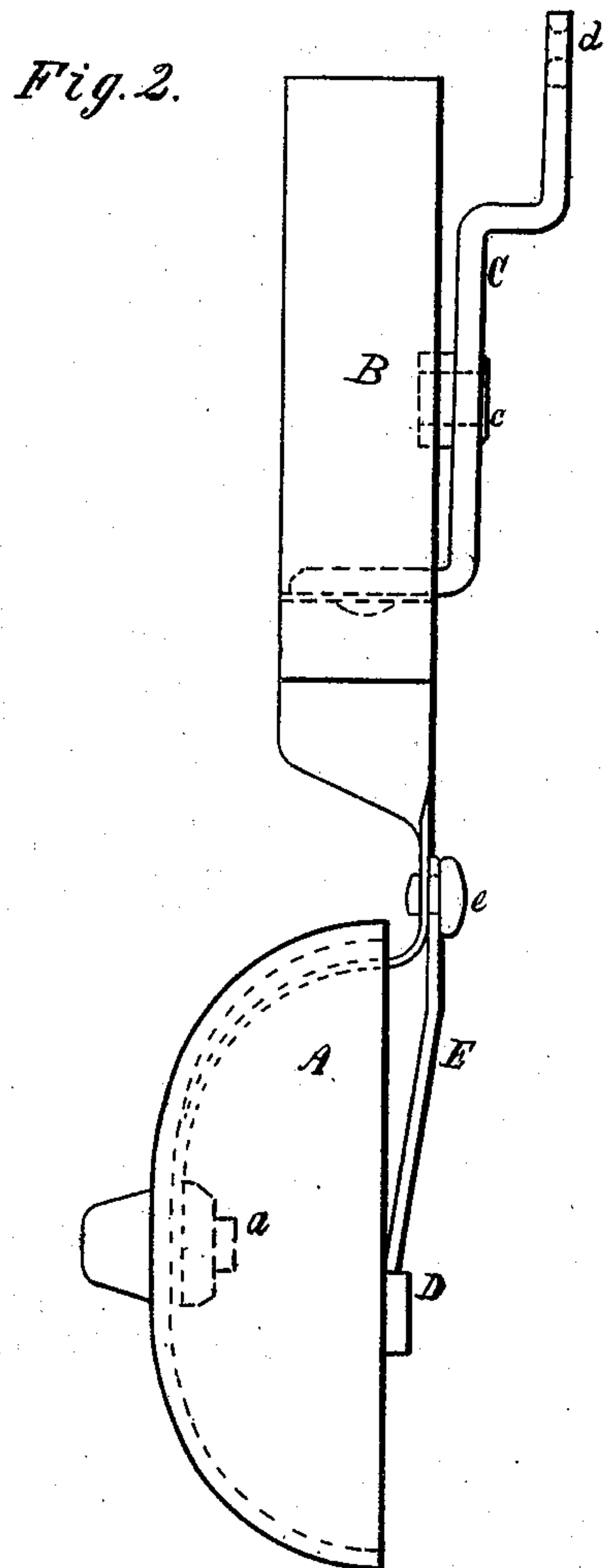
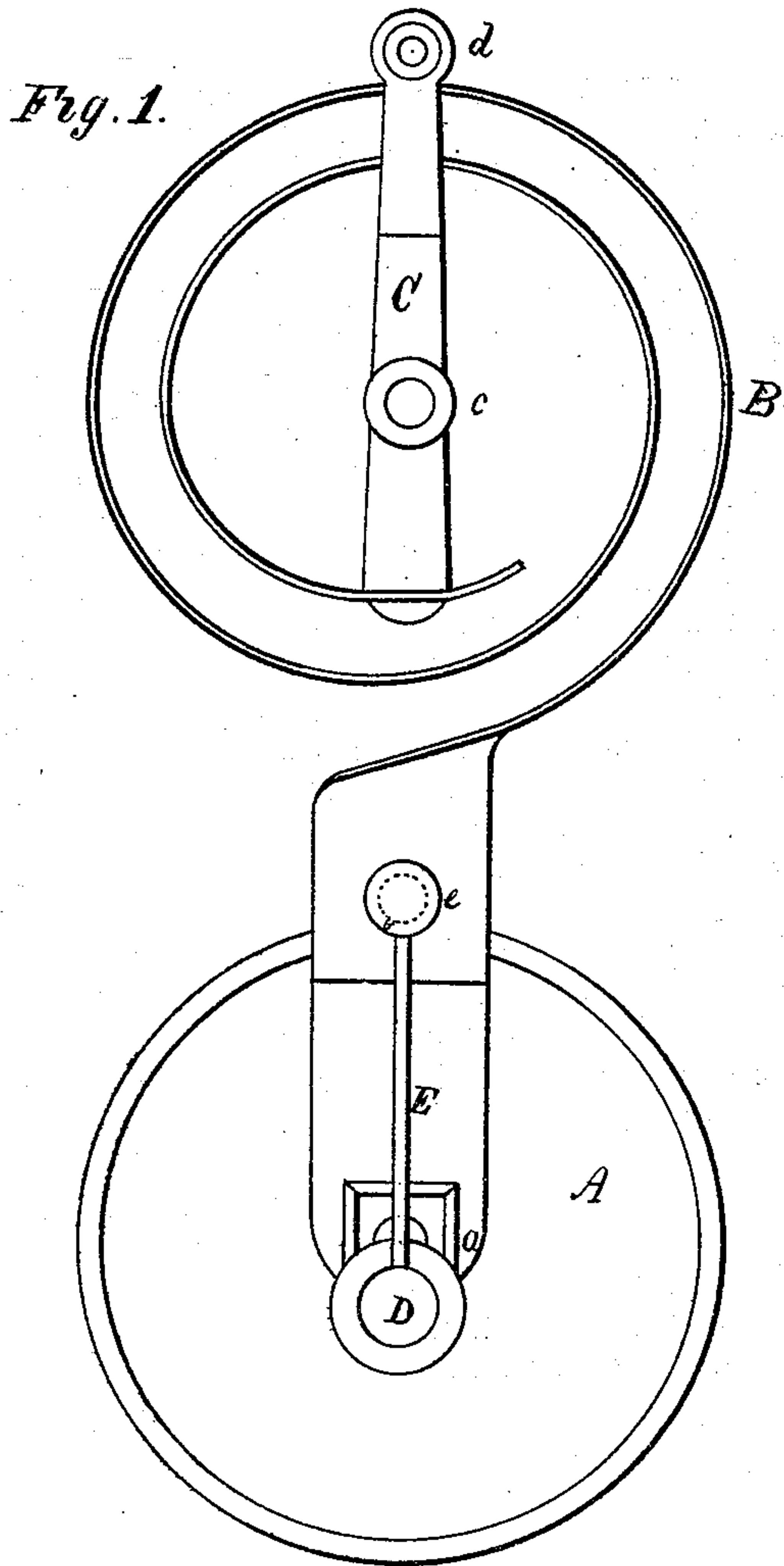


F. BLAKEMORE.

Improvement in Door-Bells.

No. 128,458.

Patented July 2, 1872.



Witnesses.

Wm. Walton

E. Blakemore

Inventor.

Francis Blakemore

# UNITED STATES PATENT OFFICE.

FRANCIS BLAKEMORE, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN DOOR-BELLS.

Specification forming part of Letters Patent No. 128,458, dated July 2, 1872.

### SPECIFICATION.

I, FRANCIS BLAKEMORE, of the city of Philadelphia and State of Pennsylvania, have invented a new and Improved "Door-Bell," of which the following is a specification:

#### *Nature and Objects of the Invention.*

My invention consists of a mode of hanging a door-gong of a particular shape, with a spiral spring and swinging hammer, that a much more pleasant sound may be produced than by either the ordinary door-bell or striking-gong now in use.

#### *Description of the Accompanying Drawing.*

Figure 1 is a rear elevation, and Fig. 2 an end view.

#### *General Description.*

A is a door-gong, connected to the spiral spring B by means of the pin and nut *a*. This spring is furnished with a crank-lever, C, which is secured to the wall by a pin through the hole *c*, and the wire from the bell-knob is attached at *d* in the ordinary way. D is the hammer on the end of the arm E, which hangs loosely on the pin *e* in the spiral spring B. When the crank-lever is drawn back by the wire the spiral spring causes the hammer to vibrate from side to side of the gong and produces a ringing sound, in the same manner as the clapper in ordinary bells hung in this way.

I know that spiral springs are, in common use, attached to ordinary door-bells, and I am also aware that gongs of similar shape to mine are used for a like purpose; but in all cases the gong is stationary, and the sound produced by striking a hammer suddenly against its side by the aid of springs arranged in various ways. Although the tone of the gong is much superior to the harsh ringing of the ordinary bell, yet when struck suddenly with a spring, as described above, the effect is startling and exceedingly disagreeable, especially to persons of a nervous temperament; but a gong arranged according to my improved plan produces a more pleasant and agreeable sound than any other door-bell or gong now in use, and at the same time is so simple in its construction that there is no liability of its getting out of order; therefore,

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

The combination of the crank-lever C pivoted to the wall, and the spring B attached thereto at one end, and at the other secured to a gong by a pin and nut, and the bell-hammer pivoted to the spring, all arranged as shown.

FRANCIS BLAKEMORE.

Witnesses:

WM. E. WALTON,  
E. BLAKEMORE.