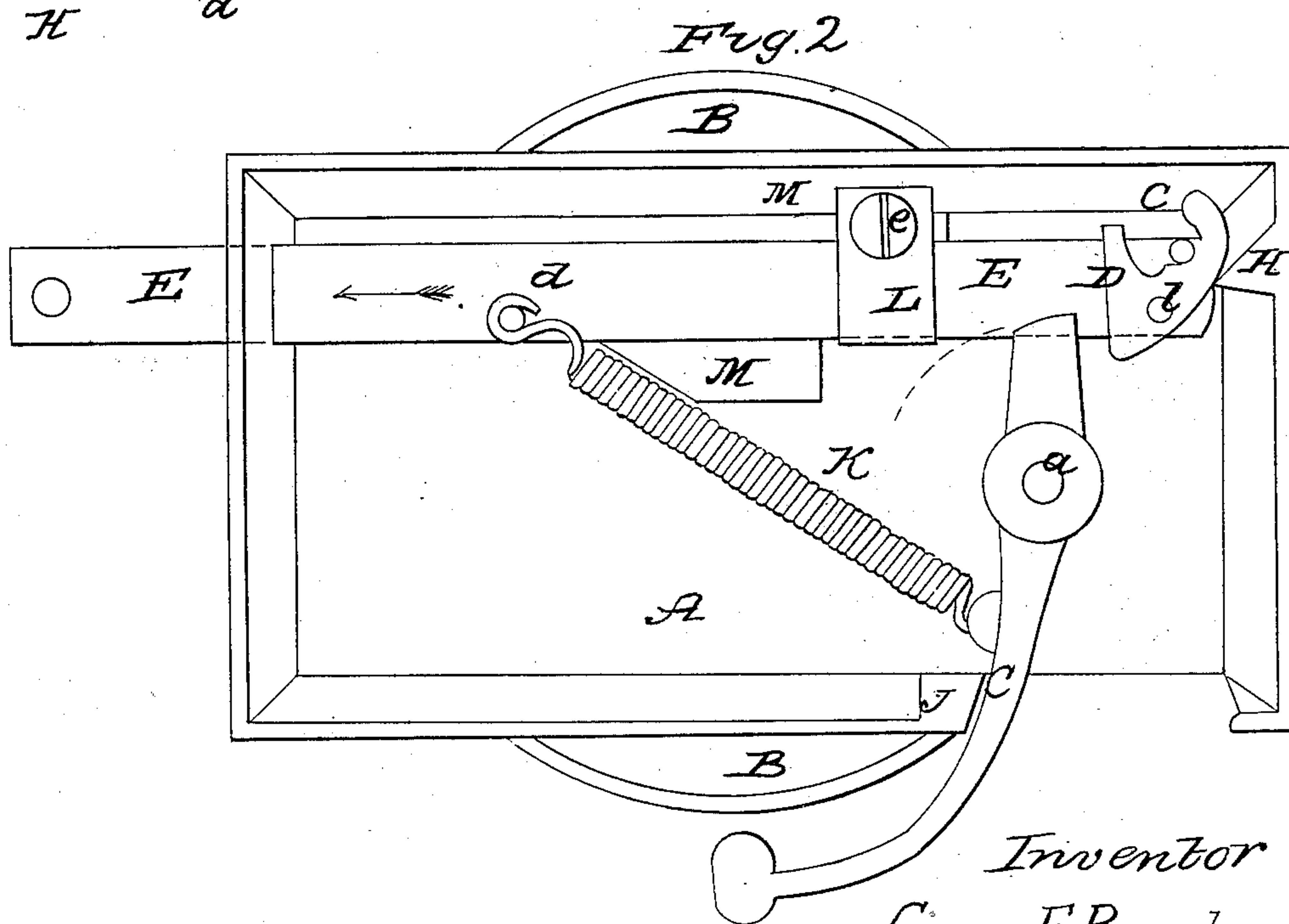
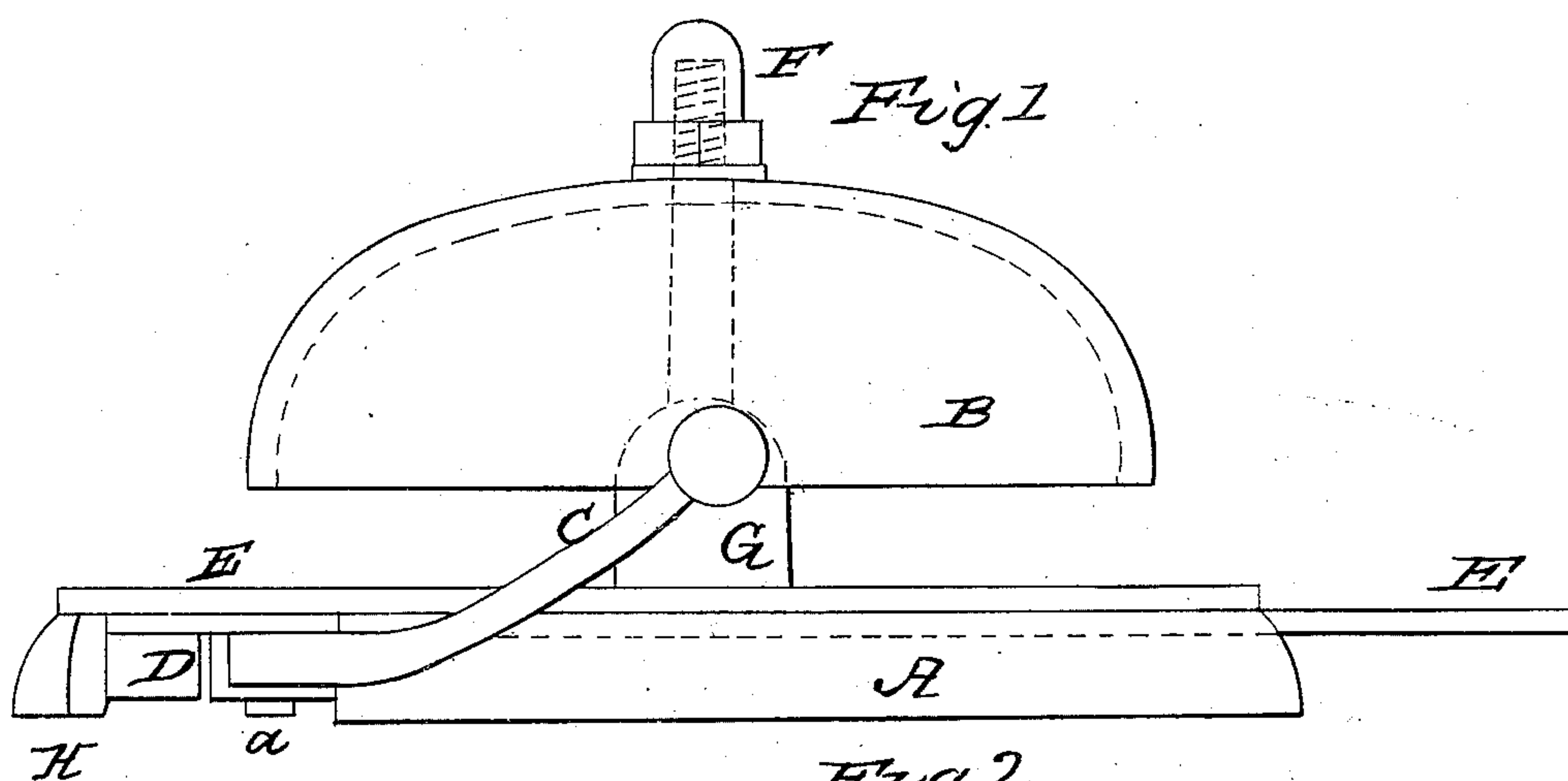


G. F. & D. H. BENCKERT.

Signal Bell.

No. 25,714.

Patented Oct. 11, 1859.



Inventor
George F Benckert
David H Benckert

UNITED STATES PATENT OFFICE.

GEORGE F. BENCKERT AND D. H. BENCKERT, OF PHILADELPHIA, PENNSYLVANIA.

SIGNAL-BELL.

Specification of Letters Patent No. 25,714, dated October 11, 1859.

To all whom it may concern:

Be it known that we, GEORGE F. BENCKERT and DAVID H. BENCKERT, of Philadelphia, of the State of Pennsylvania, have invented a new and useful Device for Striking Signal-Bells; and we do hereby declare the following to be a full, clear, and exact description of our improvement, reference being had to the annexed drawings, making
10 a part of this specification, in which—

Figure 1, is a side view of the same: Fig. 2 is an interior view.

Similar letters of reference indicate corresponding parts in the several figures.

15 This invention consists in the peculiar arrangement of the straight pull bar, latch, and spring, when used in combination with hammer and bell as hereinafter set forth.

In order to enable those skilled in the art to fully understand and construct our invention, we will proceed to describe it.

A represents the sounding box or body on which the several parts are placed, B the bell, C the hammer, D the latch or tumbler, 25 E the pull bar, F a nut to secure the bell, G the post to which the bell is secured, H a projection to operate D, K the spring, L a clamp to steady E in its motion.

M M are guides for E.

30 *a* is a pin on which the hammer C is allowed to oscillate freely. *b* is also a pin on which the latch D is allowed to oscillate.

c is a pin to limit the oscillation of D.

35 *d* is a pin on the pull bar E to which the end of spring K is attached.

If the pull bar E be drawn in the direction indicated by the arrow the latch D will catch on the back end of the arm bearing the hammer—as shown by C—and raise the
40 hammer from the bell at the same time

drawing on the spring K as the pull bar E moves in a straight line and the arm bearing the hammer in the form of an arc it will be seen that the end of said arm will be released from latch D near the clamp L and 45 allow the spring K to draw the hammer against the bell now if the pull bar E be released from the hand the remaining power of spring K will draw it back and when the latch D strikes the projection H the latch 50 will be turned ready to catch on the hammer arm as before when the operation can be repeated and thus any number of strokes of the hammer upon the bell can be made simply by pulling and releasing the pull bar E, 55 alternately.

The advantages of our invention are simplicity of construction, and durability also of producing a clearer and louder ring with the same size bell than any that we have 60 heard.

We do not claim the use of a yielding latch; neither do we claim the sounding box to improve the sound as that is now in use on chimes, &c.; nor do we claim the use of 65 a spring on signal bells; but

What we claim as our invention and desire to secure by Letters Patent is—

1. The latch D operating with the hammer and pull bar with the one spring as 70 specified.

2. Placing the working parts of a signal bell within the sounding box substantially as and for the purpose herein specified.

GEORGE F. BENCKERT.
DAVID H. BENCKERT.

Witnesses:

JOHN S. CONNELL,
GEO. MOORE.