

E. C. BARTON.
Improvement in Call-Bells.

No. 130,690.

Fig 1.

Patented Aug. 20, 1872.

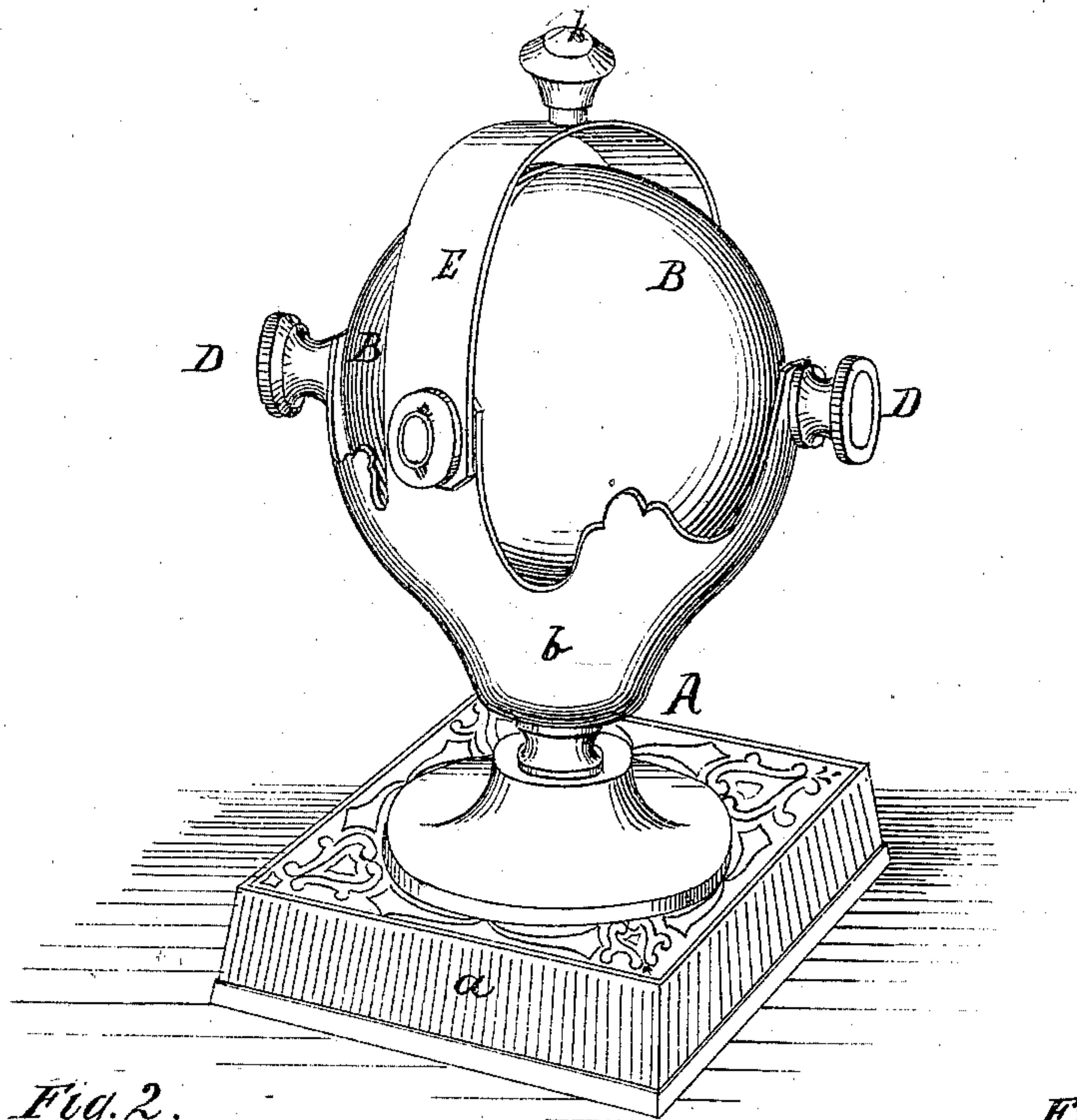


Fig. 2.

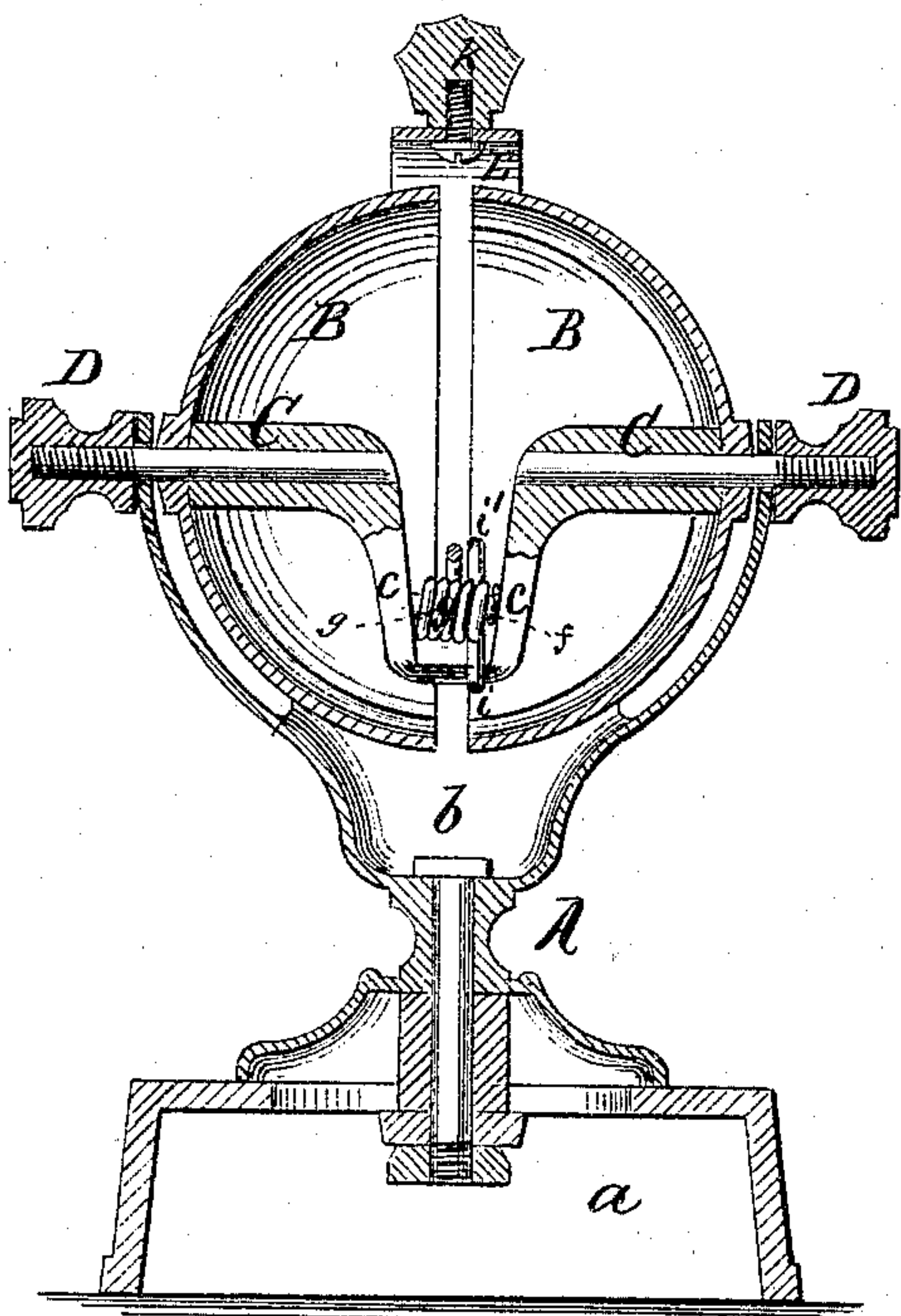
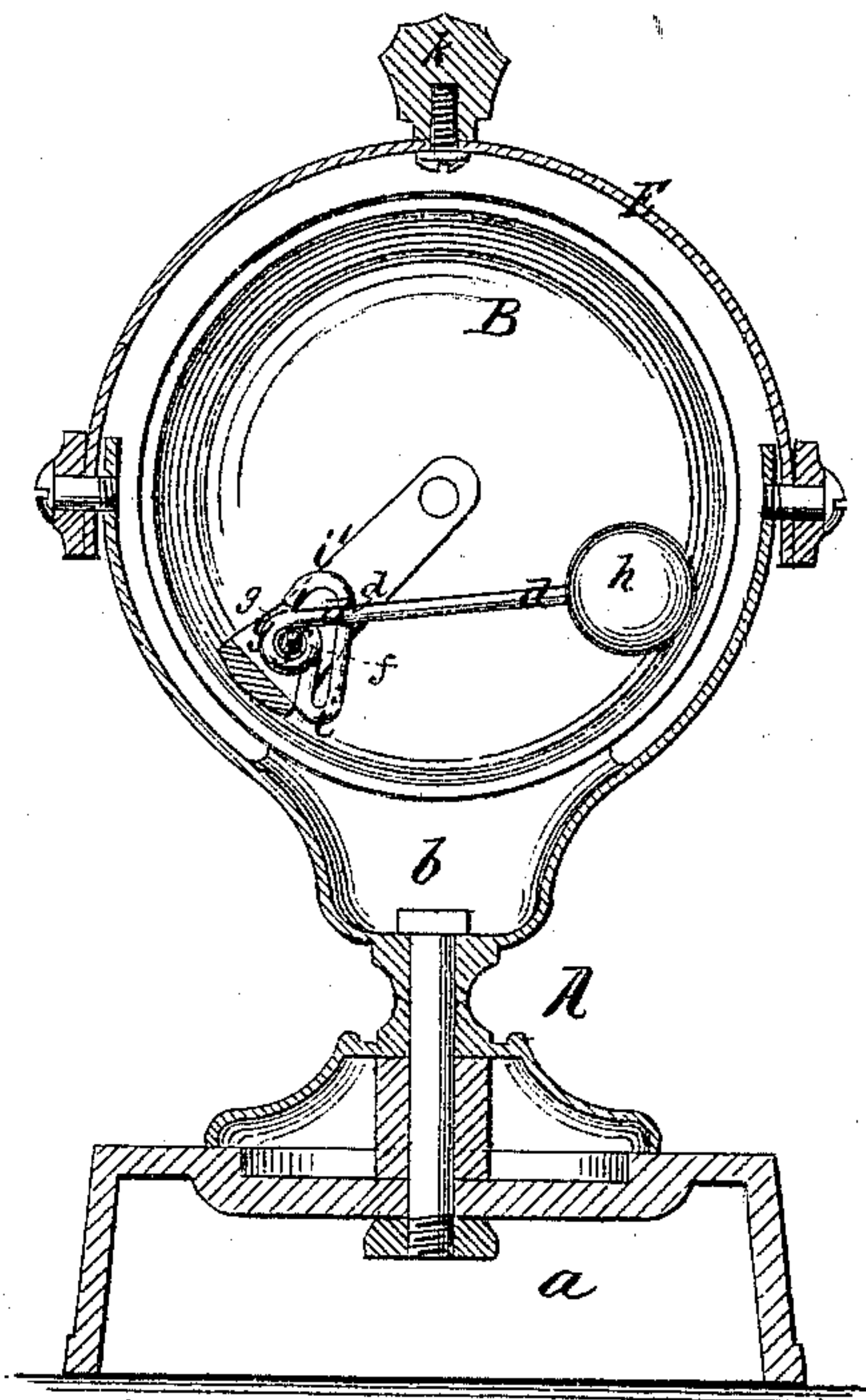


Fig. 3.



Witnesses:
W. H. Weightman
J. T. Decker

Inventor:
Elijah C. Barton
by H. H. Simpson
his Attorney.

UNITED STATES PATENT OFFICE.

ELIJAH C. BARTON, OF EAST HAMPTON, CONNECTICUT.

IMPROVEMENT IN CALL-BELLS.

Specification forming part of Letters Patent No. 130,690, dated August 20, 1872.

To all whom it may concern:

Be it known that I, ELIJAH C. BARTON, of East Hampton, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Bells; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing which forms part of this specification.

My invention consists in the combination, with a stand or pedestal of a suitable construction, of two open-mouthed or gong-shaped bells, the latter provided with a clapper or hammer and arranged to revolve with a shaft upon which they are mounted, whereby I produce a bell of a novel construction and unique appearance.

In the accompanying drawing, Figure 1 is a perspective view of my improved bell as constructed for a table call-bell. Fig. 2 is a vertical central section thereof, and Fig. 3 is, also, a vertical central section of the same, taken on a plane at right angles to the plane of section of Fig. 2.

A designates a pedestal, which may be of any construction appropriate for the stand of a table call-bell. I have shown a square base or foot-piece, *a*, to which is secured a standard or stem, *b*, the upper portion of which latter is cup-shaped, and somewhat resembles the calyx of a flower. These stands may be made in various forms and designs and of different materials, and highly ornamental. B B designate two gong-shaped or open-mouthed bells, which are mounted on a shaft, C, having its bearings at opposite sides of the supporting-stand, and each end of said shaft is, preferably, provided with a knob, D, by which the shaft and bells may be rotated by the thumb and finger. The shaft C is shown as provided with two rectangular arms, *c c*, which carry a pin, *f*, which pin passes through a coil, *g*, formed at one end of the wire or rod *d d*, which is connected to the clapper or hammer *h*. A loop, *i i'*, is formed at said coil *g*, so that its respective bows will act as a stop-piece to the clapper by striking against the pin *f* at opposite sides, and thereby prevent the clapper from resting against the bells, the flexibility of the rod *d* allowing the clapper to strike the bells to create the sound. The end of either loop *i* or *i'* may, at any time, be bent at a greater or less angle, and thus the clapper may be always kept in proper operative condition. E designates a band, which is passed around over the bells, so as to cover or con-

ceal the opening between them, and a knob, *k*, at the center of said band, serves as a handle by which to lift and carry the device. This band is more especially employed for the sake of ornament. It will be observed that it so conceals the said opening between the bells that they present the appearance of a burnished globe arranged to revolve upon an axis.

In operating the device it is merely necessary to seize one of the knobs D between the thumb and finger, and either set the bells A B rotating or revolve the shaft a half revolution to the right and left.

The bells may be made with different tones, and hence produce chimes very attractive to the ear.

I will here remark that two open-mouthed or gong-shaped bells facing each other, so as to present a spherical or a globe-like appearance, and arranged upon an axis or shaft having bearings in suitable standards or supporting-frame, and arranged to ring upon being wholly or partially rotated, would produce a novel, attractive, and efficient alarm-bell for use upon locomotives, steamboats, and in many other locations.

I do not, therefore, limit my invention to the particular form of the open-mouthed bells so long as they are provided with axes, and arranged to be revolved, and to ring upon being wholly or partially revolved; nor do I limit myself to the employment of one hammer or clapper only, as two or more might be employed to strike the bells at different points.

I am aware of United States Letters Patent No. 83,468, of 1868, granted to E. G. Cone, for a hand-bell, consisting of two open-mouthed or gong-shaped bells secured to a handle, so as to be rung by a to-and-fro swing of the arm. These bells differ from mine in not being arranged to revolve. I do not, however, wish to be understood as claiming any part of the invention shown and described in said patent.

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

A bell composed of a suitable stand, A, two open-mouthed or gong-shaped bells B B, provided with a clapper, and mounted on an axis or shaft, C, substantially as herein specified.

ELIJAH C. BARTON.

Witnesses:

AUGUSTUS H. CONKLIN,
EZRA G. CONE.