

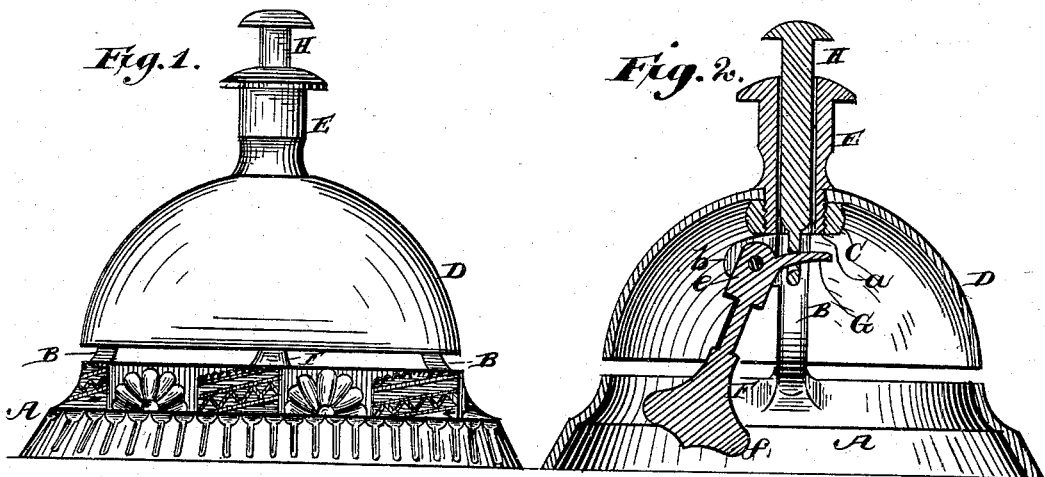
(No Model.)

J. Y. FAIRMAN.

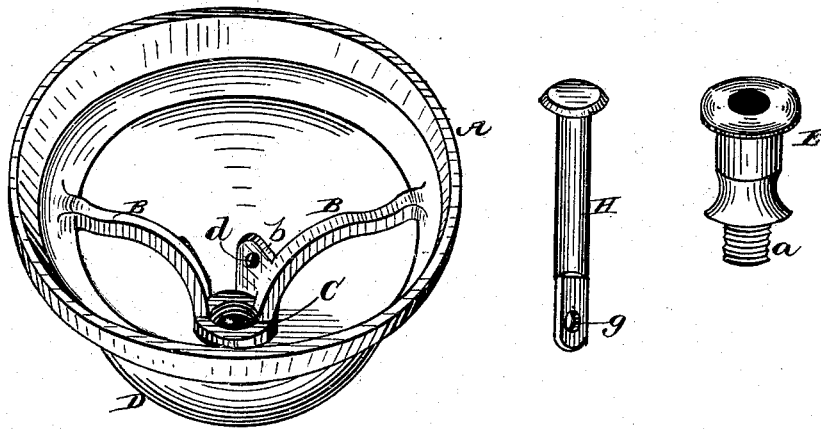
CALL BELL.

No. 265,045.

Patented Sept. 26, 1882.



*Fig. 3.*



*Witnesses:*

to Sister,  
J. A. Rutherford

*Inventor:*

*J. Yale Fairman*

By James L. Norris  
Attorney

*Attorney*

# UNITED STATES PATENT OFFICE.

J. YALE FAIRMAN, OF MIDDLETOWN, CONNECTICUT.

## CALL-BELL.

SPECIFICATION forming part of Letters Patent No. 265,045, dated September 26, 1882.

Application filed July 31, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, J. YALE FAIRMAN, a citizen of the United States, residing at Middletown, county of Middlesex, and State of Connecticut, have invented new and useful Improvements in Call-Bells, of which the following is a specification.

My invention consists in a call-bell having the gong mounted upon an annular base, with opposite interior arms connecting the two, and provided with side flanges to which the tongue is pivoted.

It also consists in a plunger having a perforated tang, through which passes a curved arm projecting from the tongue, and by which the latter is vibrated.

In the drawings, Figure 1 is an elevation. Fig. 2 is a central vertical section. Fig. 3 is a perspective view of the base and gong inverted, and of the hollow handle with its plunger, both being detached from the bell and from each other.

The letter A indicates the base, which is an annulus of the common form. From opposite sides of its upper edge rise arms B B, which approach each other, and are united to a screw-threaded ring, C, which lies against the under face of the gong D at its central point, and around an opening formed therein, through which the screw-threaded end *a* of the handle E passes.

Upon one side of each of the arms B B is formed a flange, *b*, having a perforation, *d*, to receive the pivot upon which the tongue F vibrates. The latter is provided with a head, *e*, which fits between said flanges, and through which the pivot passes.

The letter F indicates the tongue, having the clapper *f* and head *e*. Upon one side of the latter is formed an arm, G, which curves upward and outward from the head *e* and passes between the arms B B. This arm is adapted to pass through a perforation, *g*, in the tang of the plunger H, said perforation being of such size that the arm will pass freely therein.

E is the handle, having a central longitudi-

nal perforation, in which the plunger H moves. It is provided with a screw-threaded end, *a*, which enters the ring C within the gong.

The parts are assembled as shown in Fig. 2. The gong D being placed over the arms B B and upon the ring C, the end of the handle is passed through an opening therein and screwed into the ring C. The plunger H is then inserted, and the tongue is placed between the flanges *b b*, the arm G being passed into the perforation *g* in its tang. The pivot upon which the tongue vibrates is then inserted, and the bell is in condition for use.

By this construction I form a free pivotal connection for the tongue, and one which cannot be detached unless the several parts of the device are properly separated.

The construction is cheap, simple, and strong, and by the perforation of the plunger the arm on the tongue will retain it in place and prevent it from slipping out of the handle.

What I claim is—

1. In a call-bell, the combination, with the annular base, of arms extending therefrom upward to support the gong, and having lateral flanges formed thereon, to which the clapper is suspended, and a vertically-moving plunger having a perforation in its tang, through which passes an arm on the end of the bell-tongue, substantially as described.

2. The combination, with the vertically-moving plunger provided with a tang having a transverse perforation, of the bell-tongue provided with a curved arm, which projects into the perforation and is free at its outer end, said arm being unattached to the tang, but adapted to freely slide in opposite directions through the said perforation when the plunger is operated, substantially as shown and described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

J. YALE FAIRMAN.

Witnesses:

JOHN NORTH,

ELIHU W. N. STARR.