

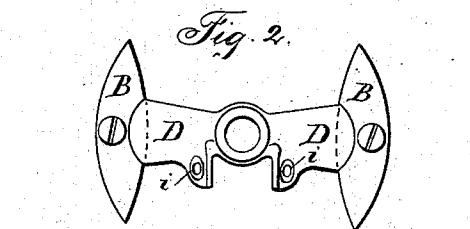
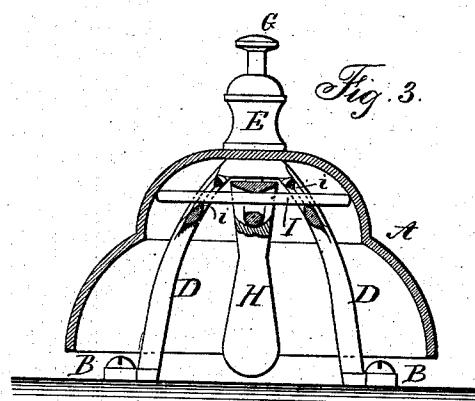
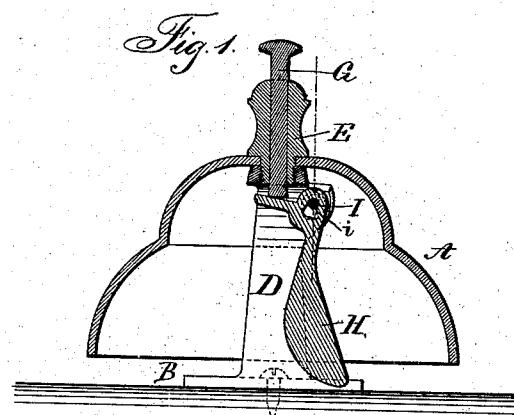
(Model.)

A. W. BARTON.

CALL BELL.

No. 292,889.

Patented Feb. 5, 1884.



Witnesses:

J. Staub  
Charles H. Smith

Inventor  
Abner W. Barton  
by Lemuel W. Penell  
any

# UNITED STATES PATENT OFFICE.

ABNER W. BARTON, OF EAST HAMPTON, CONNECTICUT.

## CALL-BELL.

SPECIFICATION forming part of Letters Patent No. 292,889, dated February 5, 1884.

Application filed June 15, 1883. (Model.)

*To all whom it may concern.*

Be it known that I, ABNER W. BARTON, of East Hampton, in the county of Middlesex and State of Connecticut, have invented an Improvement in Call-Bells, of which the following is a specification.

Call-bells are sometimes used also as paper-weights. These call-bells usually stand upon a table or desk, and have to be more or less ornamental in order to be approved in the trade. The bells are usually polished and plated; but the frame or stand, being usually of cast-iron, requires to be japanned or otherwise finished up.

15 My present invention is made for lessening the expense of constructing these call-bells, and for covering up the base or stand, so as to avoid the necessity of finishing up such base, and at the same time to render it unnecessary to bore holes, or to fit in the pivot-pin for the hammer, or to rivet up the same, thus lessening labor and expense and allowing the bell to be taken apart with facility.

In the drawings, Figure 1 is a vertical section of the bell and its stand, Fig. 2 is a plan view of the stand separately; and Fig. 3 is a cross-section at the pivot.

The bell A is of the desired size and shape, and it is to be finished up, and will usually be plated. The base or stand B is inside the bell and of less diameter than the bell, and it projects below its lower edge only sufficiently to raise the bell from contact with the table or support. This base extends up to the 35 side of the top of the bell. Usually this portion is in the form of a frame, D, and into the top of this frame D the tubular bolt E screws, the same passing through the top of the bell and having an ornamental head. The push-40 pin G passes through the tubular bolt E and terminates as a push-button, as usual. At one side of the frame D there is a jaw, in which hangs the hammer H upon a pivot-pin, I, with the hammer-tail beneath the push-pin G. 45 This part is of ordinary construction, except that the jaws of the frame D are provided with holes for the pivot-pin, which holes are produced by recesses in the top and bottom surfaces of the inclined portions of the jaws, intersecting each other, as at i, so that holes are

formed for the pivot-pin by simply molding and casting the frame, because the parts of the mold separate where the recesses come together; hence after the pattern is removed the parts of the mold come together when the 55 mold is closed and form the holes in the casting that is cast in such mold. The pivot-pin is cut of a length to reach to the inner surfaces of the bell, or nearly so; hence it cannot escape when the parts of the bell are put together, and the pivot-pin does not require to be riveted or otherwise secured.

In consequence of the base and support for the bell being within the bell and of less diameter and extending down only a very little 65 below the bell, such base is not liable to be broken.

The bell is always of tough and strong metal, and the base can be of common cast-iron, because it is protected, and it is not exposed to 70 view.

The base within the bell is preferably in the form of feet, that may be provided with screw-holes, so as to be screwed to the table, if desired.

I do not claim a base that is below the bell and outside thereof or of greater diameter, nor a frame rising within the bell having notches or a bar for the hammer-pivots.

I claim as my invention—  
1. The combination, with a call-bell and its push-pin and hammer, of a frame having a base or feet within the bell and extending but slightly below its lower edge, whereby the support for the bell is not exposed to view 85 and the ordinary projecting base is dispensed with.

2. The combination, with the call-bell and its push-pin and hammer, of a frame having jaws with openings cast in them, a pivot-pin 90 passing through the said openings, and a base or feet to the frame within the bell, substantially as set forth.

Signed by me this 7th day of June, A. D. 1883.

ABNER W. BARTON.

Witnesses:

H. D. CHAPMAN,  
F. L. NORTHAM.