

J. A. EVARTS.

Call-Bells.

No. 147,116.

Patented Feb. 3, 1874.

Fig. 1

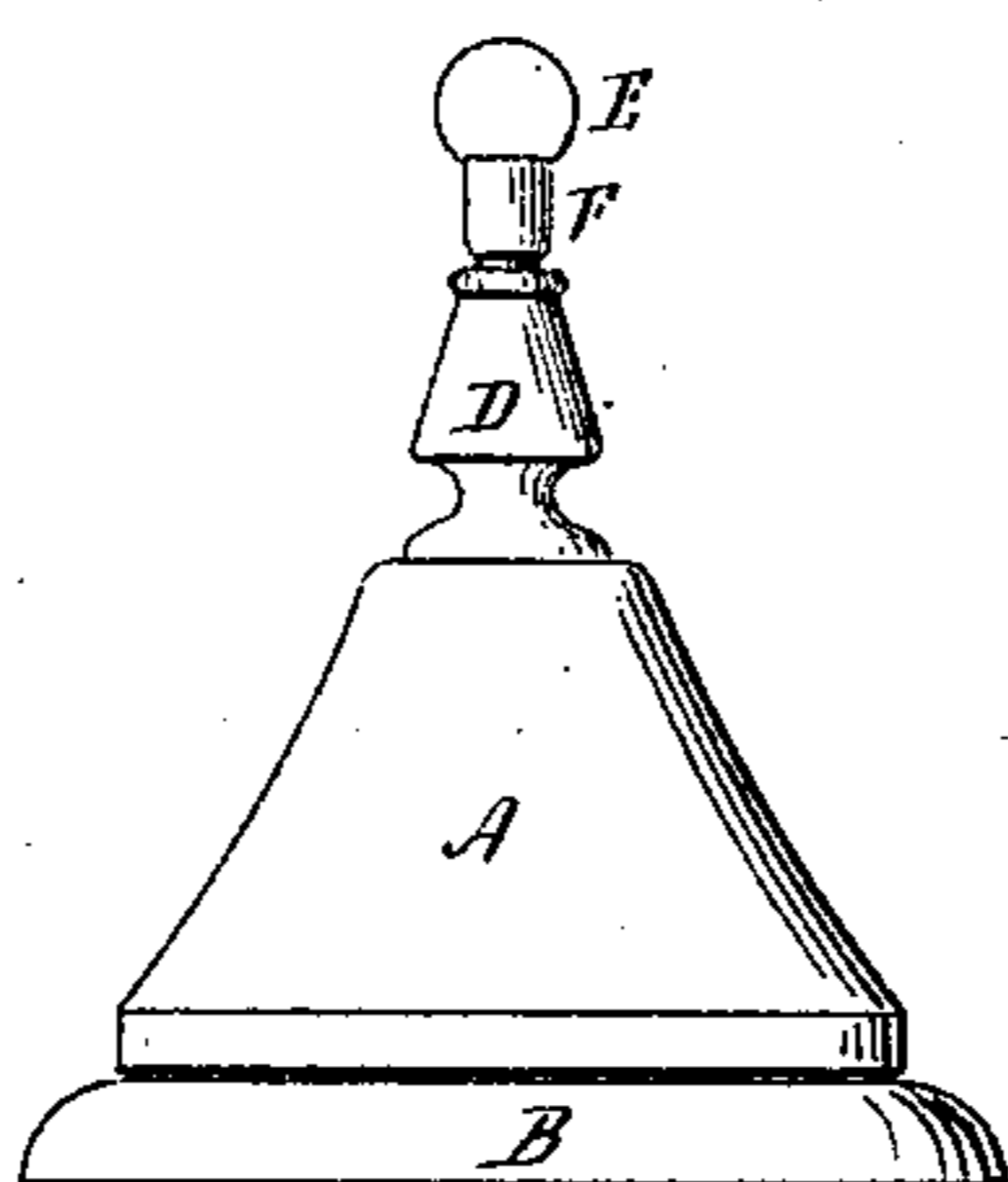
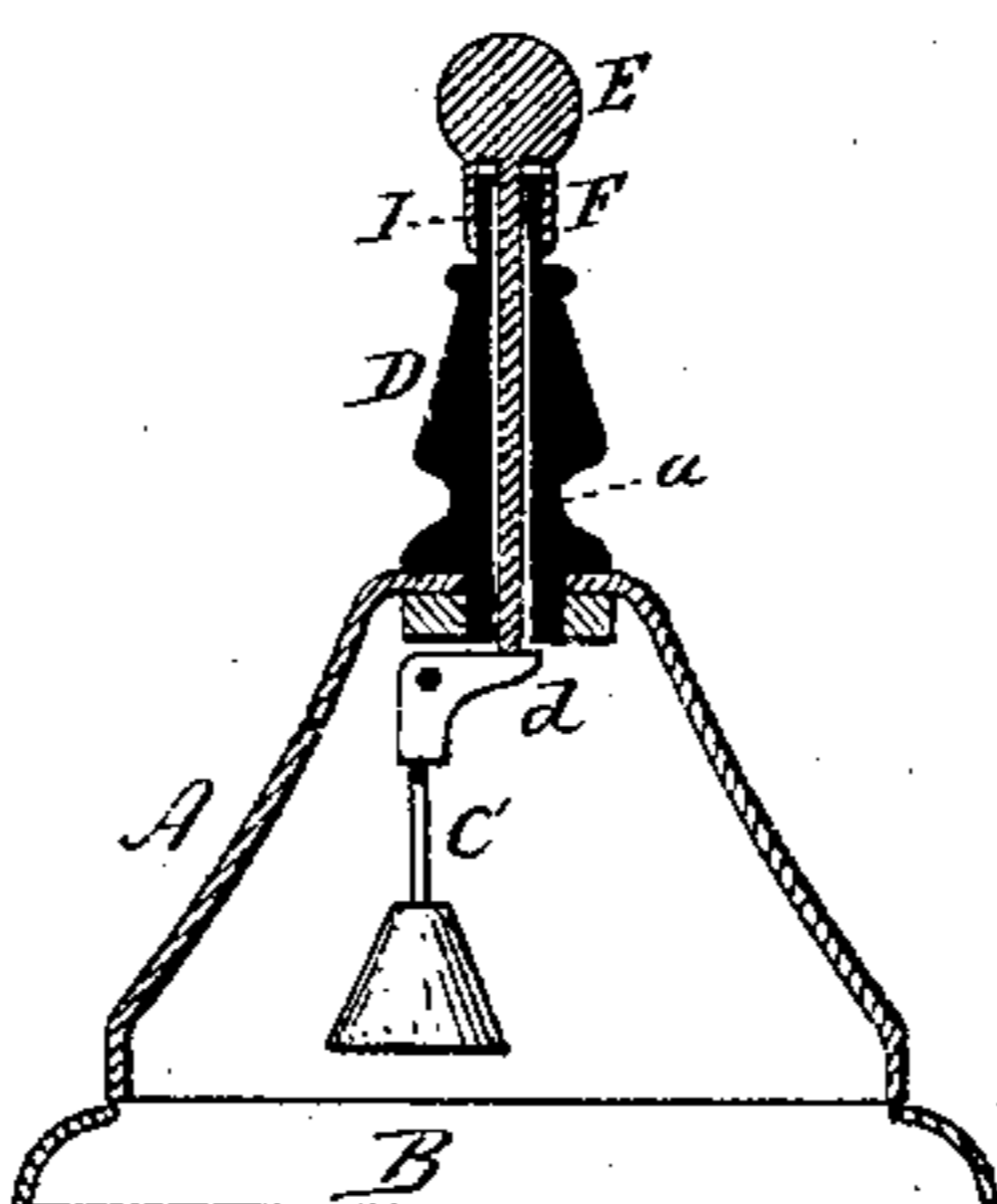


Fig. 2



Witnesses

W. H. Sherman  
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By Atty.

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# UNITED STATES PATENT OFFICE.

JOHN A. EVARTS, OF WEST MERIDEN, CONNECTICUT, ASSIGNOR TO BRADLEY  
& HUBBARD, OF SAME PLACE.

## IMPROVEMENT IN CALL-BELLS.

Specification forming part of Letters Patent No. **147,116**, dated February 3, 1874; application filed  
January 15, 1874.

*To all whom it may concern:*

Be it known that I, JOHN A. EVARTS, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Call-Bells; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view, and in Fig. 2 a vertical central section.

This invention relates to an improvement in that class of call-bells in which a hammer is hung within the bell, and a rod through the vertical axis of the bell serves as a means of throwing the hammer against the bell. This rod is usually made of wire, and is frequently bent so as to be inoperative. The object of this invention is to prevent this difficulty; and it consists in providing the striking-knob with a sleeve around the rod, so as to leave a space between the rod and sleeve and the neck of the bell, with an extension up around the rod into the sleeve, so that the force or strain laterally upon the knob will come upon the said sleeve, and not on the rod.

A is the bell, of any desirable form, sup-

ported from the base B, and provided with the hammer C hung therein, all substantially in the usual manner. D is the neck through which the rod *a* passes, and rests on an arm, *d*, of the bell-hammer, so that, by depressing the rod, the hammer will be thrown up against the bell, also in the usual manner. E is the knob or head of the rod, and on the under side of the head, and axially with the rod, I form a sleeve, F, so as to leave a space around the rod within the sleeve, and upon the neck I form an extension, I, over which the sleeve F plays freely up and down, but fitting so as to support the knob transversely independent of the rod.

While forming an independent support for the rod, this construction improves the appearance of the bell, by showing the neck of the knob so much larger than the usual piston.

I claim as my invention—

In combination with the bell, the hammer, and operating-rod, the extension I, through which the rod passes, and the sleeve F on the rod-knob, substantially as and for the purpose specified.

JOHN A. EVARTS.

Witnesses:

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