

*Goldman & Hisey,*

*Door Bell.*

*No. 103446.*

*Patented May 24. 1870.*

Fig. 1.

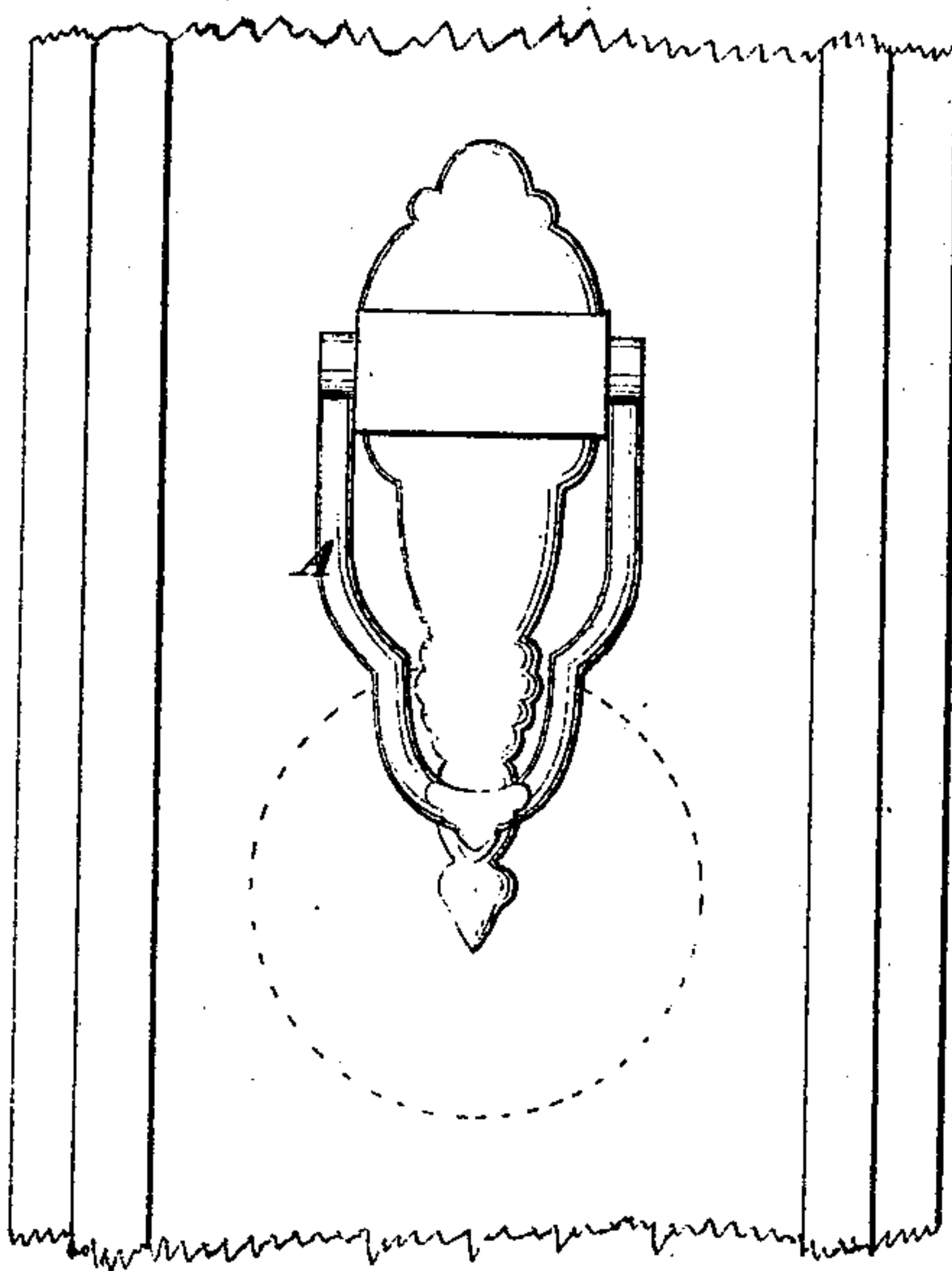
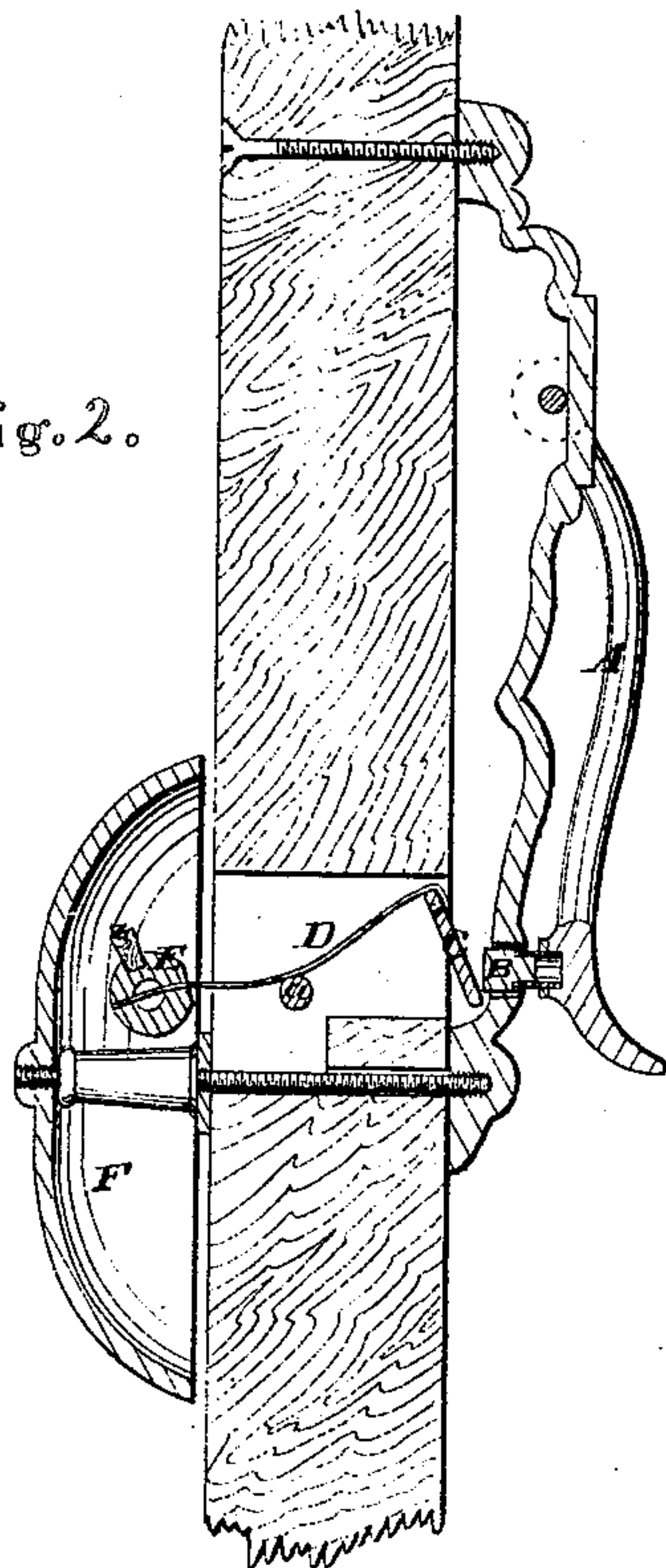


Fig. 2.



*Witnesses:*

*Villette Anderson*  
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*Inventors*

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# United States Patent Office.

ELISHA H. GOLDMAN AND DAVID W. HISEY, OF KANSAS, ILLINOIS.

Letters Patent No. 103,446, dated May 24, 1870.

## IMPROVEMENT IN DOOR-BELLS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that we, ELISHA H. GOLDMAN and DAVID W. HISEY, of Kansas, in the county of Edgar and State of Illinois, have invented a new and valuable Improvement in Door-Bells; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a front view of our invention.

Figure 2 is a central vertical section thereof.

Our invention relates to an improvement in knockers for doors, and consists in the combination therewith of a bell, whereby the beauty and reliability of the knocker, together with the sweet tone of a bell, are secured. Also, in the use of a reversible hammer, whereby, in case of sickness, a muffled sound can be produced by the adjustment.

The letter A of the drawings designates the knocker, which may be made as ornamental as may be desired.

B designates the striker thereof, arranged to impinge against the arm C of the lever D, to which the hammer-head E is attached. It should be of rubber or leather.

F represents the bell secured to the door on the inside, in the manner shown.

A rest, a, is provided for the long arm of the lever of the hammer.

The head E of the hammer is made easily reversible. When the metal face is adjusted to strike the bell, a clear, loud tone is produced, the strength of which is in proportion to the size of the bell employed.

In order to produce a muffled or softer sound, a rubber armature, Z, is employed. This is attached to the other side of the head, in order that it may come into operation when the head is reversed.

In order to afford free play to the arms of the hammer-lever, an opening, K, is made through the wood of the door. This is covered on the outside by the plate of the knocker. Other arrangements for producing communication between the striker of the knocker and the lever of the hammer may be made, whereby so large an opening will be unnecessary. A simple perforation for the passage of a connecting-rod may be sufficient.

We do not desire to confine ourselves to the precise arrangement herein described; but

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

1. In combination with the door-knocker A, the hammer E and bell F, substantially as shown and described.

2. In combination with the bell F, the hammer herein described, provided with reversible head E, having a muffling armature, Z, as specified.

3. In combination with the bell F and hammer E, the knocker A, provided with the deadening-pad B, as specified.

In testimony that we claim the above, we have hereunto subscribed our names in the presence of two witnesses.

E. H. GOLDMAN.  
DAVID W. HISEY.

Witnesses:

WILLIAM M. GAUHER,  
HERVEY E. GREEN.