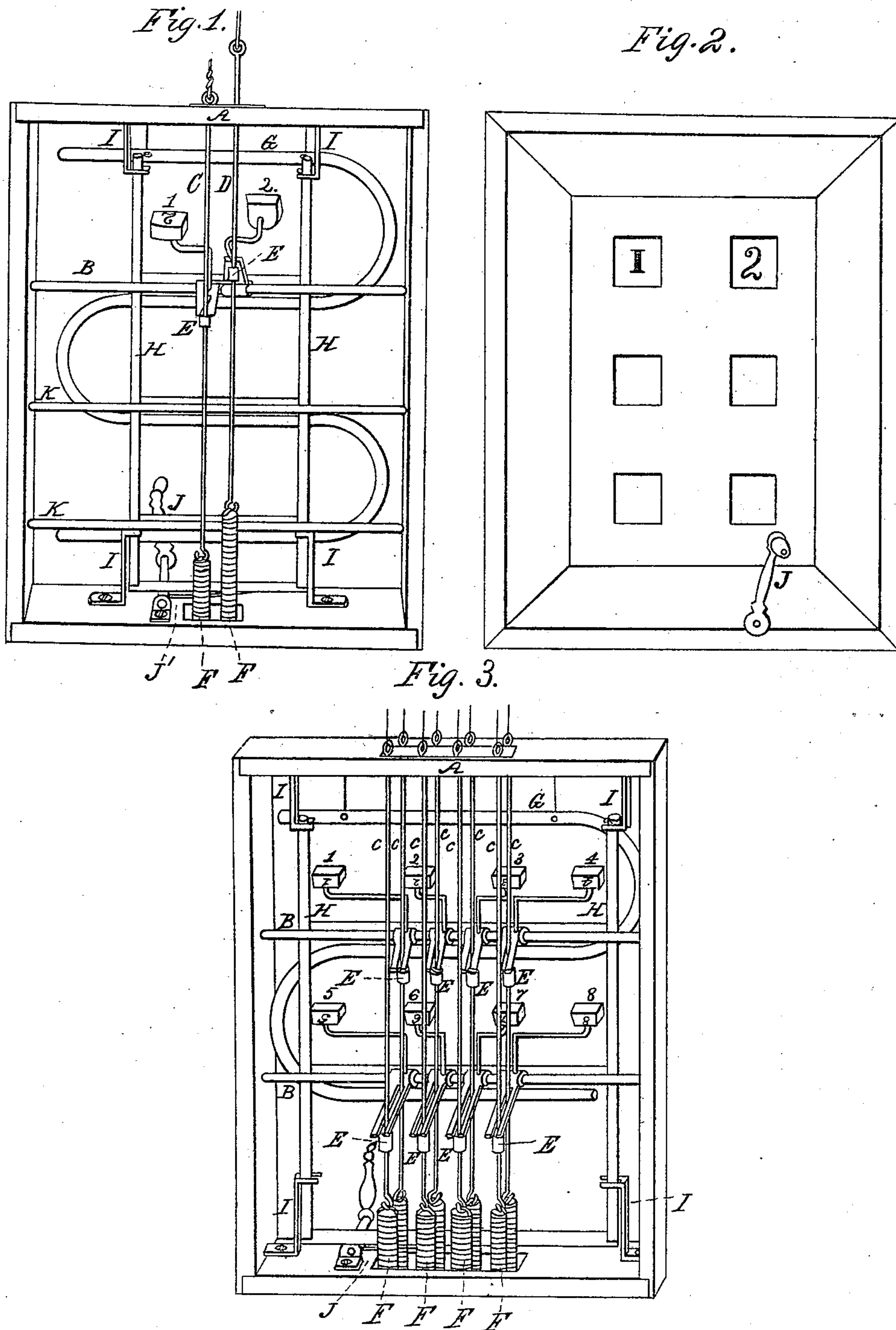


W. H. HALE.
Annunciator.

No. 14,719.

Patented April 22, 1856.



UNITED STATES PATENT OFFICE.

WILLIAM H. HALE, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN HOTEL-ANNUNCIATORS.

Specification forming part of Letters Patent No. 14,719, dated April 22, 1856.

To all whom it may concern:

Be it known that I, WILLIAM H. HALE, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement on an Annunciator for Hotels, &c.; and I 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 drawings, making a part of this specification, in which—

Figure 1 is a perspective view showing but two tilting number-plates or number-hammers in one rank with rods and bell for two other ranks. Fig. 2 is a front elevation. Fig. 3 is a perspective view showing an arrangement of a machine of two ranks and several tilting number-plates or number-hammers.

The same letters refer to like parts.

A is the case.

B is a rod passing through the case for the number-hammers to work on. (Marked by 1 2.)

C D are wires with knobs E E on them, passing through slots in the hammer-handles and connecting with springs F F, for the purpose of tilting over said hammers to strike bell G, and showing numbers 1 and 2, as seen in Fig. 2.

H H is a rack, working in bearings I I I I, for the purpose of throwing back the afore-said hammers after being tilted over by being raised by crank and arm J J, rods K K, and

the lower parts of the rack and bell are used for ranks of hammers like B, &c., as in the model; but the hammers, wires, and springs are removed for the purpose of simplicity of explanation.

The operation is as follows: By drawing the wire D you tilt hammer 2, as represented, which falls over and strikes bell G, resting on rack H and opposite apertures in front board, as seen in Fig. 2, and remains until you turn crank J, which raises rack H and throws said hammer back at rest like hammer 1, ready to work again.

I do not claim the device of tilting number-plates to denote which number is wanted, as it is not new; but,

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

1. The combination of the number-plate with a hammer, whereby I am enabled to show the number and strike the bell with the same piece.

2. The arrangement of said tilting number-plates or number-hammers, or their equivalents, in ranks upon ranks of wires respectively operating them, the wires passing through slots in the hammer-levers, substantially as described.

WM. H. HALE.

Witnesses:

GEORGE S. HOWE,
JOS. F. BRAHNKE.