J. W. SNIDER.
Door Bell.

No. 202,064. Patented April 2, 1878.

FIG. 1.

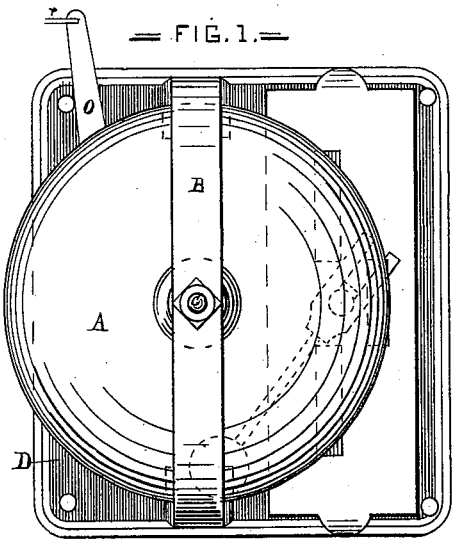


FIG. 2.

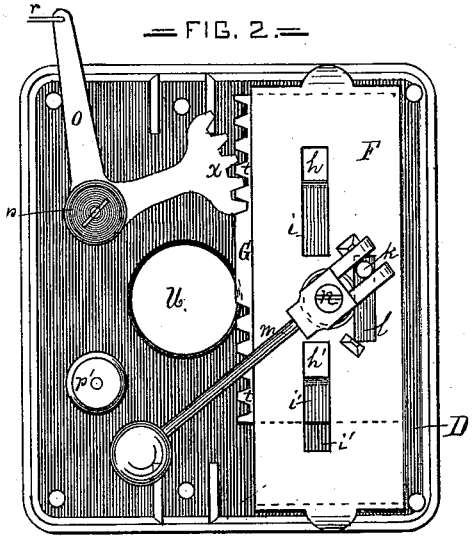
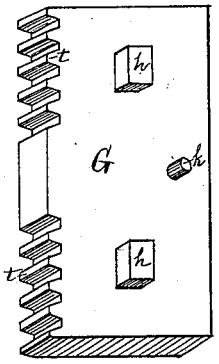


FIG. 3.



WITNESSES.
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UNITED STATES PATENT OFFICE.

JOHN W. SNIDER, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN DOOR-BELLS.

Specification forming part of Letters Patent No. **202,064**, dated April 2, 1878; application filed September 24, 1877.

To all whom it may concern:

Be it known that I, JOHN W. SNIDER, a resident of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Gongs; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawing, making a part of this specification.

This invention relates more particularly to the striking apparatus of gongs. Its novel feature consists in dispensing with the use of springs for operating the hammer, and in providing, in lieu of the same, a weight and operating-lever, the latter so arranged as to admit of the apparatus being used either on the right or left of the pull, as the occasion may require.

In order that my invention may be fully understood, reference must be had to the drawing, whereon—

Figure 1 represents a front view of my invention complete. Fig. 2 is a front view, with gong and guard removed, in order to exhibit the working parts of the apparatus, while Fig. 3 is a perspective view of the operating-weight.

This invention consists of a gong, A, which is secured to a curved strap or guard, B, as shown at C. The ends of this strap are turned inward and secured by rivets or screws to a plate, D, having its corners perforated for the reception of screws or nails, by which means the apparatus is designed to be permanently secured in any desired locality.

On one side of the strap B is secured to the face of the plate D a knocker or casing, F, in which operates a weight, G, the said weight provided with guide-projections $h\,h'$, for operating in the vertical slots $i\,i'$, and with a pin, k, which projects through the elongated slot l, so that its end may be straddled by the bifurcated end of the hammer-lever m, which is pivoted to the casing at n, and is thus operated by the rise and fall of the weight, the former movement being accomplished through a bell-crank, O, pivoted to the uppermost of a pair of bosses, $p\,p'$, that are cast on the face of the plate D, in order to provide for the apparatus being placed on either side of the pull.

One end of the aforesaid bell-crank is connected with the pull by means of a wire, r, while its other end is furnished with a toothed sector, x, for engaging in a rack that is cast at the edge of the weight, as shown at t.

The circular opening U in the plate D serves in a measure to lighten the same. Its main object, however, is to afford a means for introducing a wrench or screw-driver in the rear of the gong for loosening or tightening the screw by which it is supported on the strap.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In combination with a gong, A, strap B, plate D, and casing F, a weight, G, hammer-lever m, and bell-crank O, as described, and for the purpose specified.

In testimony whereof I have hereunto set my hand.

JOHN W. SNIDER.

In presence of—
GEORGE EMMART,
C. L. KOCK.