(No Model.)

G. W. & A. C. SANFORD.

CLOCK BELL.

No. 258,609. Patented May 30, 1882.

Fig. 1.

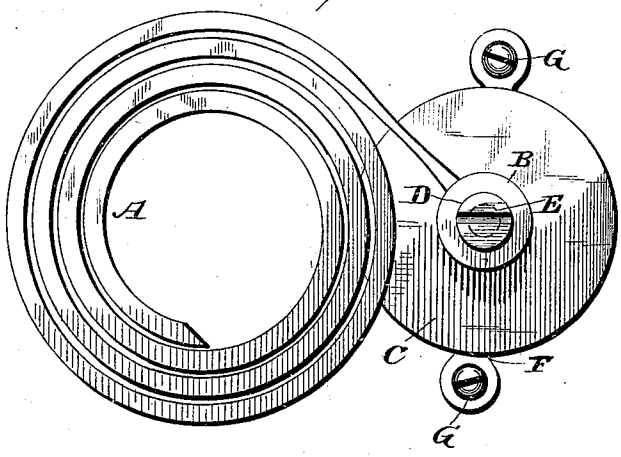
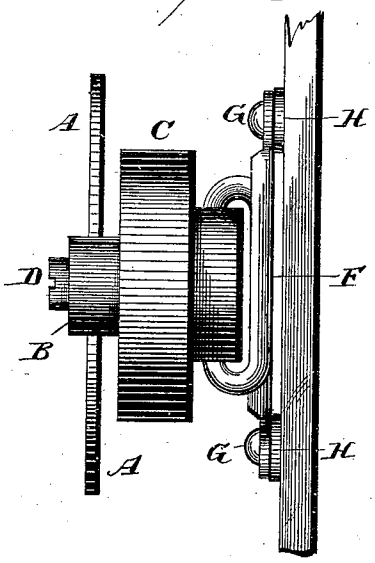


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE W. SANFORD AND AARON C. SANFORD, OF WINSTED, CONN.

CLOCK-BELL.

SPECIFICATION forming part of Letters Patent No. 258,609, dated May 30, 1882.

Application filed March 3, 1882. (No model.)

To all whom it may concern:

Be it known that we, GEO. W. SANFORD and AARON C. SANFORD, of Winsted, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Clock-Bells; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

Our invention relates to an improvement in wire clock-bells, the object being to provide an article of this character which shall have a greatly improved quality of tone, and which shall combine simplicity of construction with durability in use.

With this end in view our invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in front elevation of a clock bell or gong constructed in accordance with our invention, and Fig. 2 is a view thereof in end elevation.

The bell-wire A consists of a flat wire coiled edgewise, its inner end being secured, by soldering or otherwise, to a metallic collet, B, adapted to be secured to the sounding-disk C by means of a screw, D, which enters a hole, E, therein. The said sounding-disk C is cast on a bent wire, F, which is inserted into the mold wherein the disk is formed, the ends of the wire being flattened and perforated to receive the screws G, which secure the bell to the clock-case. Small rubber washers H, interposed between the flattened ends of the wire F and the clock-case, constitute an elastic support for the bell and improve the quality of its tone.

When a bell constructed in accordance with our invention is struck with a suitable hammer a clear tone of low pitch is produced, which will be prolonged with beautiful effect.

Other devices than those shown may be resorted to for securing the sounding-disk to the clock-case, and the bell-wire may be secured to the disk in a different manner. We would therefore have it understood that we do not limit ourselves to the exact construction and arrangement of parts shown and described, but that we hold ourselves at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of our invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A clock-bell consisting of a bell-wire fastened to a sounding-disk and a wire fastened to the sounding-disk and crossed beneath the same, the ends of the wire being perforated for the insertion of fastening-screws, substantially as set forth.

2. A clock-bell consisting of a bell-wire fastened to a sounding-disk and a supporting-wire on which the sounding-disk is cast, substantially as set forth.

3. The combination, with the sounding-disk, bell-wire, and supporting-wire, of the rubber washers interposed between the ends of the supporting-wire and clock-case, substantially as set forth.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

GEORGE W. SANFORD.
AARON C. SANFORD.

Witnesses:
HARRY BLAKE,
SAMUEL A. HERMAN.