

No. 837,672.

PATENTED DEC. 4, 1906.

H. W. EDEN.
ELECTRIC BELL.
APPLICATION FILED DEC. 26, 1905.

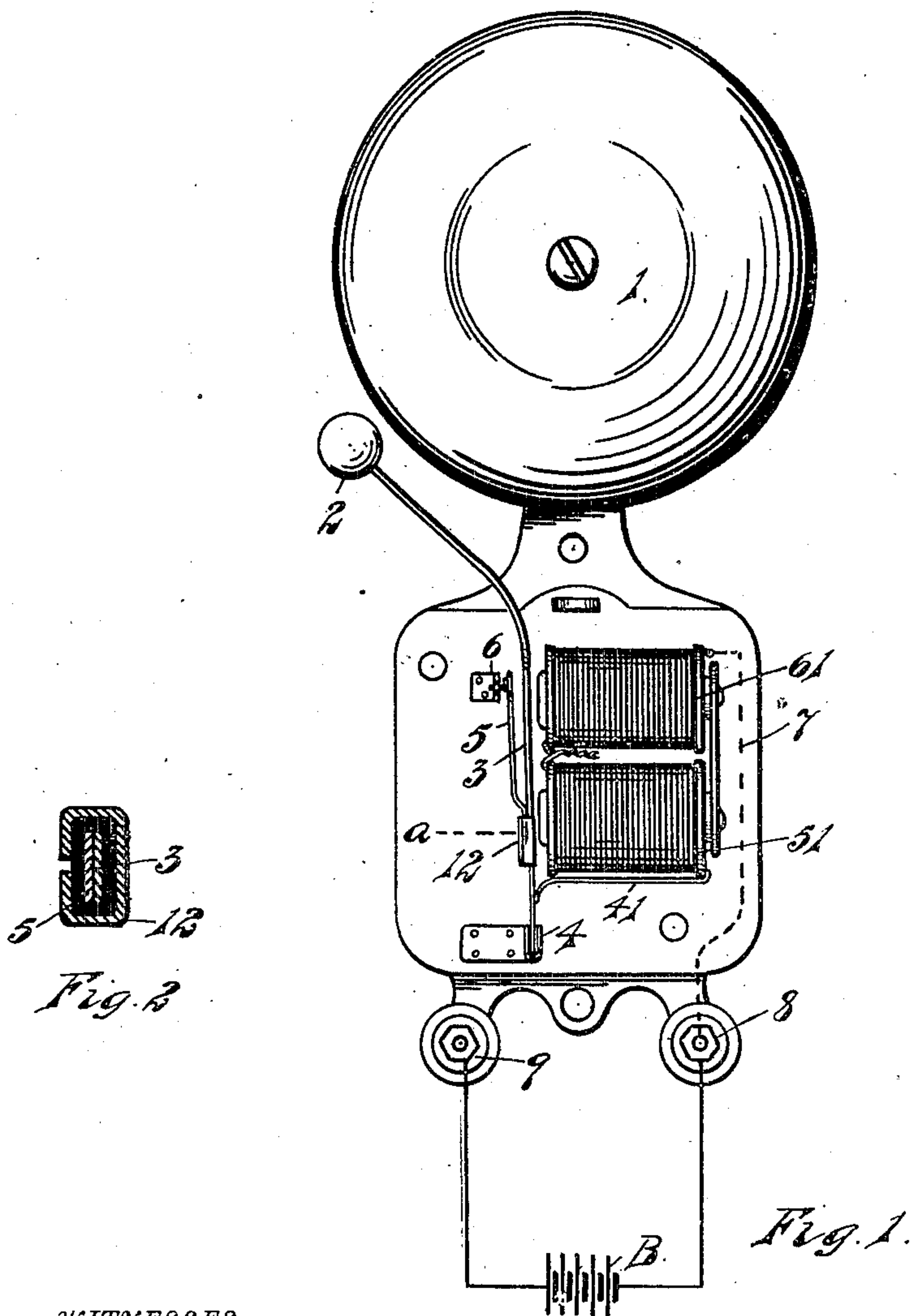


Fig. 2

Fig. 1.

WITNESSES
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UNITED STATES PATENT OFFICE.

HAROLD W. EDEN, OF DETROIT, MICHIGAN, ASSIGNOR TO P. R. MANUFACTURING COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

ELECTRIC BELL.

No. 837,672.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed December 26, 1905. Serial No. 293,207.

To all whom it may concern:

Be it known that I, HAROLD W. EDEN, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Electric Bells; and I 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, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to electric bells.

It has for its object an improved bell of simple construction and which can be made cheaply and economically.

In the drawings, Figure 1 shows the bell in elevation. Fig. 2 is a cross-section through the armature and vibrator connection at *a a* of Fig. 1.

1 indicates the bell; 2, the hammer on the end of an armature 3, which is insulated at 12 from the post 4, which is fixed to the frame, and from a vibrating spring 5, adapted to vibrate into and out of contact with the point on the post 6. The post 6 is connected electrically with the frame. The vibrating spring 5 is connected electrically by wiring 41 with the wire of coil 51, and this wiring is continued around coil 61 and is thence carried underneath the frame by a wire 7, that is insulated from the frame, to the

binding-post 8, which binding-post and the wire connecting with it are insulated from the frame. The wiring is carried through the source of electric energy B and to the binding-post 9, which is in electrical connection with the frame. In this construction the vibrator 5 is continuous from the post 4, where it is supported to the point which contacts with the point on the post 6. The armature 3 is secured to the spring 5 by means of lugs 12, which are bent around the metal of the vibrator.

What I claim is—

1. In an electric bell, a vibrator connected in electric circuit with the energizing-circuit, held in insulated bearings, and having connected thereto an armature carrying a bell-hammer, said armature being insulated therefrom substantially as described.

2. In an electric bell, the combination of a vibrator, a system of conductors connected to a source of energy, with which said vibrator is connected, and an armature carrying a bell-hammer, said vibrator being insulated from its supporting-bearings and from said armature, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

HAROLD W. EDEN.

Witnesses:

CHARLES F. BURTON,
WILLIAM M. SWAN.