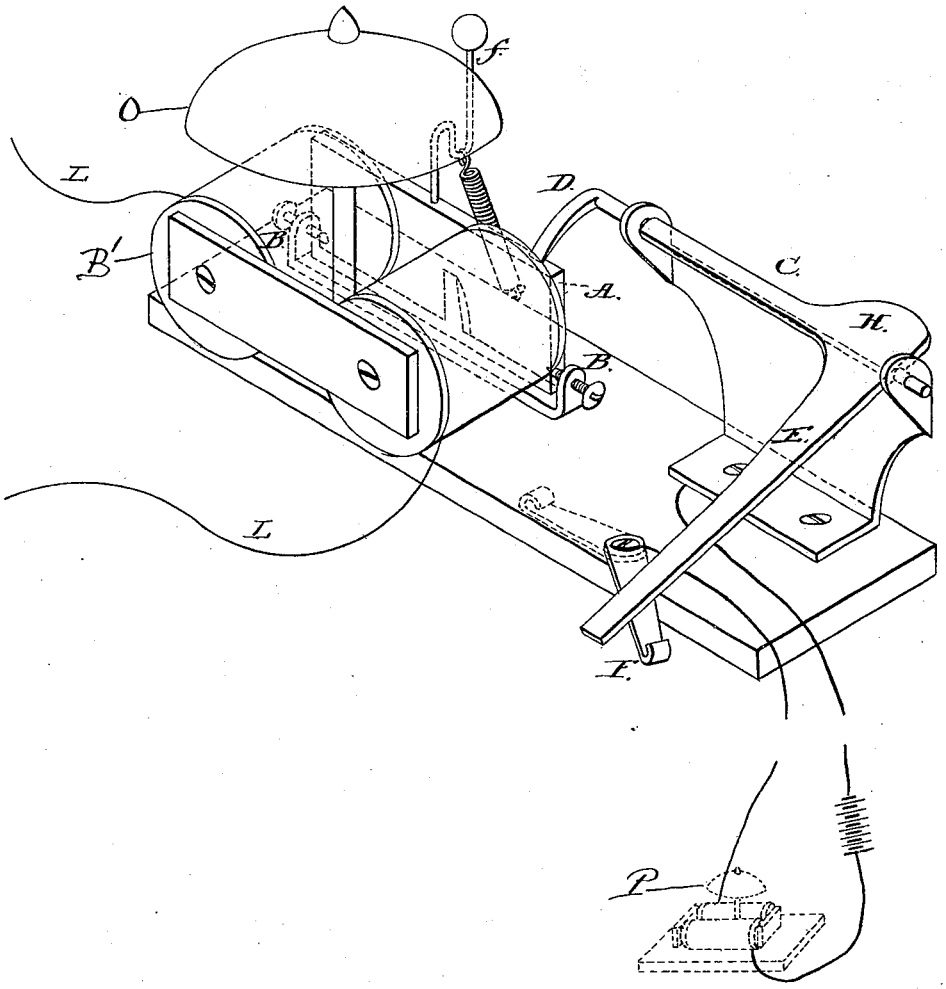
(Model.)

W. DENT.

ALARM FOR TELEPHONES.

No. 263,491. Patented Aug. 29, 1882.



WITNESSES

John A. Ellis,
James J. Sheehy.

INVENTOR

William Dent,
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his ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM DENT, OF UTICA, NEW YORK.

ALARM FOR TELEPHONES.

SPECIFICATION forming part of Letters Patent No. 263,491, dated August 29, 1882.

Application filed August 27, 1881. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM DENT, a citizen of the United States, and a resident of Utica, in the county of Oneida and State of New York, have invented a new and valuable Improvement in Alarms for Telephones; 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 drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawing is a representation of a perspective view of my invention.

This invention relates to alarm attachments for telephones; and it consists in the combination, with a magnet in the main line, a pivoted armature provided with a bell-hammer, and a bell at the magnet, of a pivoted plate of brass having arms for engaging a pivoted switch, and thereby closing a local circuit connected with the attachment and causing a vibratory bell in said local circuit to be rung, as will be hereinafter fully described, and pointed out in the claim.

Referring by letter to the accompanying drawing, A designates the armature, supported in front of the magnet in bearings B B at its ends near its lower edge.

C designates a brass plate, pivoted in bearings higher than the armature A, and having a short curved arm, D, which normally rests upon the upper edge of the armature. A long arm, E, connects with a pivoted switch, F, when the latter is not designedly turned out of the way, whenever the plate C is tripped by a call on the instrument.

A bell, O, is operated by a magnet, B′, placed in the main line L, the hammer *f* being connected to the armature A. When the latter is attracted by the magnet it will be drawn from beneath the short arm D and the long arm E will drop upon the switch F, thus closing the local circuit and causing the bell P to ring, and it will continue to ring until the short arm D has been returned to its normal position, or until the switch has been turned from beneath the arm E.

In cases where it is desired to have occupants of distant rooms or buildings notified of an alarm at the instrument in the absence of the regular attendant, I provide one or more bells P, which I place in the local circuit at any convenient point near the telephone, but so remote therefrom that the alarm on the bell O at the instrument could not be heard by the attendant at the bell P. The object of the bell P is to permit an alarm to be sounded thereon when the bell at the instrument is sounded, and when the switch F has been turned to permit the arm E to fall thereon and close the local circuit, so that in the absence of the attendant at the telephone one of the attendants at the bell P may be notified and answer the call at the instrument. When the attendant is present at the telephone the pivoted switch F should occupy the position shown by the dotted lines, so that the attendant at the bell P need not be notified.

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

In an alarm attachment for telephones, the combination, with the magnet B′ in the main line, the pivoted armature A, provided with the hammer *f*, and the bell O at the magnet, of the pivoted plate C, having the arms D and E, the pivoted switch F, and a vibratory bell, P, placed in the local circuit, substantially as and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM DENT.

Witnesses:
MATTHEW F. DENT,
C. H. BRENEER.