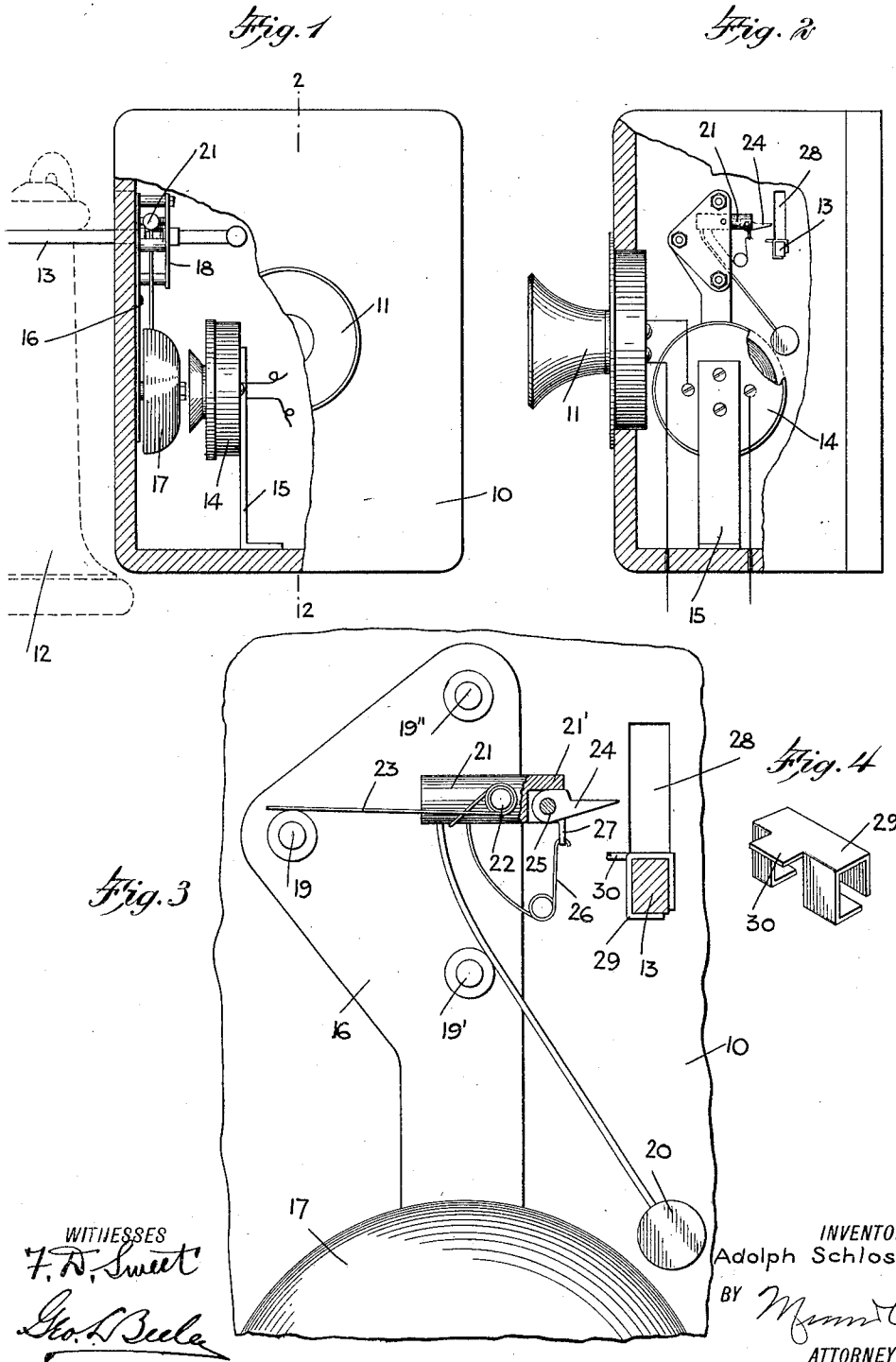


A. SCHLOSSER.
TELEPHONE ATTACHMENT.
APPLICATION FILED MAY 14, 1912.

1,058,631.

Patented Apr. 8, 1913.



WITNESSES
F. D. Sweet
Geo. L. Beale

INVENTOR
Adolph Schlosser
BY *Mumford*
ATTORNEYS

UNITED STATES PATENT OFFICE.

ADOLPH SCHLOSSER, OF DODGE, NEBRASKA.

TELEPHONE ATTACHMENT.

1,058,631.

Specification of Letters Patent.

Patented Apr. 8, 1913.

Application filed May 14, 1912. Serial No. 697,174.

To all whom it may concern:

Be it known that I, ADOLPH SCHLOSSER, a citizen of the United States, and a resident of Dodge, in the county of Dodge and State of Nebraska, have invented a new and Improved Telephone Attachment, of which the following is a full, clear, and exact description.

This invention relates to improvements in telephone attachments, and has particular reference to devices of this character devised for the purpose of detecting the interference with party lines due to unauthorized parties listening to a conversation.

An object of this invention is to provide a detector of the nature indicated which will be simpler and more effective than those ordinarily proposed heretofore.

The foregoing and other objects of the invention will be hereinafter fully described and claimed, and illustrated in the accompanying drawings in which like characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a front elevation of a telephone set, showing the invention applied thereto, a portion of the casing being broken away; Fig. 2 is a transverse section substantially on the line 2—2 of Fig. 1; Fig. 3 is an enlarged detail of the improvement applied to the inner wall of the casing; and Fig. 4 is a detail described below.

By way of illustration of a preferred adaptation of the invention, I show a wall set comprising any preferred design of casing 10, a transmitter 11, and a receiver 12 suspended on the hook or receiver arm 13 in the usual manner. The parts so far described are or may be of any approved construction.

The invention is shown as comprising an auxiliary transmitter 14, connected in series with the transmitter 11, and supported as upon a bracket 15 on the bottom of the casing. The mouth of the auxiliary transmitter is shown directed toward the left wall of the casing.

Between the auxiliary transmitter and said wall and preferably connected to the wall is a plate 16 upon which is mounted a bell 17. An auxiliary plate 18 is supported upon a series of studs 19, 19' and 19'' connected to the plate 16. A hammer 20, adapted to ring the bell 17, is shown carried by a short lever 21 pivoted at 22 on a shaft journaled in the plates 16 and 18 and with

its axis at right angles to the axis of the receiver arm pivot. Said lever and hammer are normally held in the position indicated in the drawings by means of a spring 23 connected to the lever 21 and bearing upon the stud 19. One end of the lever 21 is provided with an extension or finger 24 pivoted at 25 on the main portion of the lever and on an axis parallel to the axis of the pivot 22, and by contact with a shoulder 21', said finger constitutes a substantially rigid extension of the lever in one direction, but the finger is free to swing independently of the lever in the direction opposite from the shoulder. The finger 24 is normally held in the position in which it constitutes an extension of the lever by a spring 26 connected at one end to the lever 21 and at its other end to a lug 27 extending from the finger.

The aforesaid receiver arm 13 is adapted to oscillate in the usual manner in a slot 28 in the side wall of the casing. To said arm is connected a projection of any suitable nature whereby when the arm 13 swings upwardly on account of the removal of the receiver therefrom, it will cause an engagement to be made with the lever 21 or its extension finger, causing the lever to rock on its pivot 22 and causing the hammer 20 to swing away from the bell 17 against the tension of the spring 23. The extension referred to is shown in this case as consisting of a clip 29 stamped preferably out of sheet metal, and thereby secured to the arm 13 as shown in Fig. 3. Said clip includes an extension 30 extending laterally into position to engage the outer end of the finger 24 when the arm 13 swings upwardly as before described. The arrangement of the parts is such that the arm 13 will swing upwardly far enough for the extension 30 to pass the finger 24 after having lifted it and thus allowing the reverse swing of the lever 21, whereby the spring 23 will cause the hammer 20 to ring the bell. The parts 21 and 24, therefore, will assume their normal positions. When the arm 13 swings downwardly to normal position when the receiver is hung upon it, the extension 30 will ride over the finger 24, causing it to swing on its pivot 25 against the tension of the spring 26 without disturbing the position of the lever 21 or the hammer 20.

From the foregoing description it will be understood that when a party is carrying on a conversation with another party in the

proper manner, if an unauthorized person should take down his receiver to listen from another station, the authorized party or parties will, of course, be given a signal, due to the ringing of the bell 17 in the manner described, such signal being transmitted through the auxiliary transmitter 14. By making the bells 17 in the several party stations of different tone or quality, their identity may be observed by the interested parties and by this manner the offending party may be located.

The several parts of this improvement may be made of any suitable materials, and the specific construction and arrangement thereof may be varied without departing from the spirit of the invention.

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

In a telephone attachment, the combination with a casing and receiver arm pivoted therein, of a lever pivoted within the casing adjacent said arm and having an end

recess forming a shoulder, a finger constituting an extension of the lever in one direction, the axis of the lever pivot being at right angles to the axis of the arm pivot, said finger being pivoted to the lever in said recess on an axis parallel to that of the lever and adapted to swing freely in one direction and having a spring to resist such free movement and maintain it in normal contact with said shoulder, a bell within the casing, a hammer for the bell secured to said lever and adapted to sound the bell when the lever is swung in one direction, and an extension carried by said arm to rock said lever through contact with the finger thereof in one direction to ring the bell.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ADOLPH SCHLOSSER.

Witnesses:

JAMES H. HOOK,
WILL R. HRABAK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."