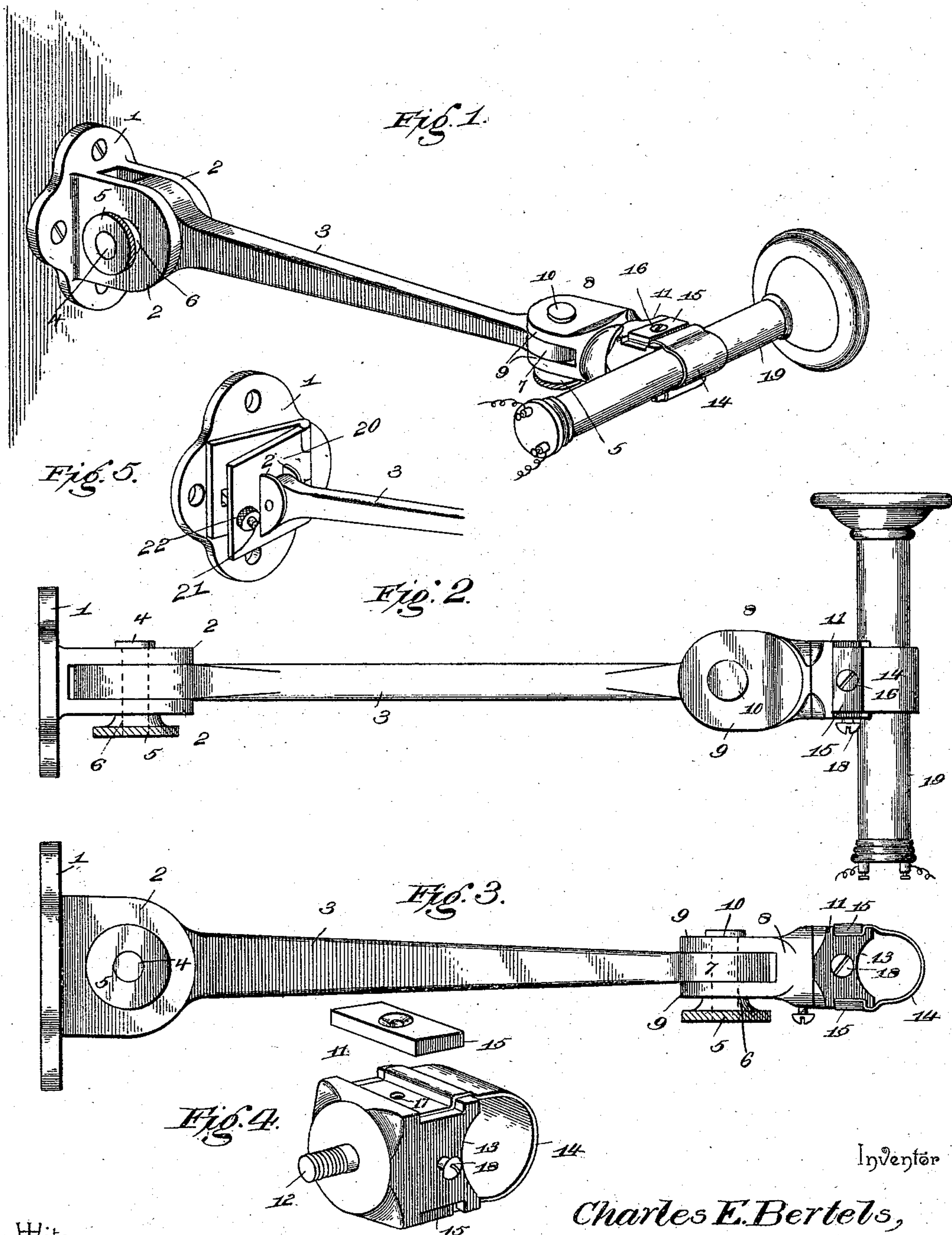


(No Model.)

C. E. BERTELS.
TELEPHONE ATTACHMENT.

No. 543,328.

Patented July 23, 1895.



Inventor

Charles E. Bertels,

Witnesses

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By his Attorneys.

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UNITED STATES PATENT OFFICE.

CHARLES E. BERTELS, OF WILKES-BARRÉ, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF TO HEDLEY PEDLAR, OF SAME PLACE.

TELEPHONE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 543,328, dated July 23, 1895.

Application filed March 20, 1895. Serial No. 542,522. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. BERTELS, a citizen of the United States, residing at Wilkes-Barré, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Telephone Attachment, of which the following is a specification.

This invention relates to an improvement in devices for holding and supporting a telephone receiving-instrument.

The object of the invention is to provide a simple and durable device which will support a telephone-receiver in such position that it shall be adapted to the ear of the listener and enable a person to place himself in such relation to the transmitter and receiver as may be most convenient to him and which will enable him to have free use of both hands for making a memorandum of a message.

The invention consists in the features and details of construction and arrangement hereinafter fully described, illustrated in the drawings, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved attachment attached to a wall and with a receiving-instrument shown applied thereto. Fig. 2 is a plan view of the same. Fig. 3 is a side elevation thereof with the receiving-instrument omitted. Fig. 4 is a detail perspective view of the swiveled arm, showing the manner of attaching the clamping-band thereto. Fig. 5 is a perspective view of the stationary or wall bracket having a hinged and adjustable plate or section.

Similar numerals of reference indicate corresponding parts in the figures of the drawings.

Referring to the drawings, 1 indicates the base-plate of a stationary wall-bracket provided with suitable perforated ears, by means of which the same may be secured to a wall or partition.

2 2 indicate a pair of forwardly-projecting parallel ears or lugs formed integrally with the base-plate 1 and adapted to receive between them one end of a pivoted arm 3. The inner end of the arm 3 and the parallel ears 2 are provided with corresponding perforations for the reception of a headed bolt or pivotal pin 4, threaded at its end to receive a

milled or thumb nut 5 provided with an inwardly-extending hub 6, which is adapted to bear against the outer face of the adjacent ear 2, by means of which the ears 2 may be compressed upon the inner end of the arm 3 for imparting the required stiffness to said pivotal joint, in order that said arm 3 may be held at any desired elevation by the frictional grasp of the ears 2. At its outer end the arm 3 is provided with an expanded end 7 and an outer arm is pivoted thereto on a vertical axis by means of two parallel ears 9, formed integrally with the arm 8 and embracing and striding the expanded end 7 of the pivoted arm 3, as shown. The ears 9, as well as the expanded end 7 of the arm 3, are perforated to receive a headed bolt 10, similar to the bolt 4, above described, and also provided with a threaded end thumb nut 5 and inwardly-extending hub 6, arranged and operating in a similar manner to the bolt or pin 4, above described.

In the outer end of the pivoted arm 8 an arm or block 11 is swiveled on a horizontal axis, extending outwardly and at right angles to the horizontal pivot 4. The arm or block 11 is provided with a central horizontal perforation for the reception of a machine-screw 12, which passes through said arm or block 11 into a screw-threaded perforation in the end of the outer pivoted arm 8. The head of the machine-screw 12 is let into a recess or countersink of the arm or block 11, to give a smooth surface thereto. By means of the construction described the arm or block 11 is supported by the arm 8 and prevented from escaping therefrom, and at the same time is rendered capable of being revolved, partially or entirely, around the screw 12, which constitutes an outwardly-projecting horizontal pivot, upon which the arm or block 11 may be turned for adjusting the angle of the receiving-instrument carried thereby. The adjacent contiguous faces or ends of the arms 8 and 11 afford friction-surfaces, by means of which, when the screw 12 is tightened, the arm or block 11 may be turned and held at any desired angle.

The outer face or end of the arm or block 11 is provided with a concavity 13, adapted to partially embrace a telephone-receiver.

Upon opposite sides the arm or block 11 is recessed or grooved for the reception of the opposite ends of a clamping metallic band 14 and suitable clamping-plates 15 for securing the ends of the band 14 therein. The clamping-plates 15 are each perforated to receive a screw 16, which passes through the same and into a threaded perforation 17 in the arm or block 11. The band 14 is made, preferably, of thin soft metal, such as brass, and is adapted to pass closely around the receiving-instrument and to be secured thereto, as above described. A set-screw 18, passing through a threaded perforation in the arm or block 11, is adapted to bear at its inner end against the horizontal pivot 12, for holding said arm in fixed relation to the pivoted arm 8, when desired.

In Fig. 5 I have shown how the wall-bracket may be made with a hinged plate or section 20, with the ears 2 projecting from the outer face thereof. The hinged plate or section 20 is hinged at one side to swing horizontally, and is adjusted at any angle and held by means of a screw-bolt 21, pivoted to the stationary section 1, and passing through a perforation in and near one side of the hinged section 20, upon either side of which are milled nuts 22. By turning said nuts in a horizontal direction the angle of the arm 3 may be regulated as desired.

From the foregoing description it will be apparent that by means of the arms 3 on its horizontal pivot the receiving-instrument (indicated at 19,) may be elevated or lowered to suit the height of the person receiving a message; also, that by means of the hinged wall-bracket and the outer pivoted arm 9 and its vertical pivot the angle of the receiver with relation to the wall may be adjusted; also, that by means of the swiveled arm or block 11 the inclination of the receiving-instrument may be regulated as found desirable. Thus the receiving-instrument may be adjusted to any position or tilted at any desired angle, according to the wish of the person receiving the message.

Having thus described my invention, what I claim is—

1. In an attachment for supporting a telephone receiver, a stationary wall bracket or support, an inner pivoted arm hinged thereto on a horizontal pivot, an outer pivoted arm hinged to the inner arm on a vertical pivot, a swiveled clamping arm having grooves or recesses in opposite sides thereof and journaled to the end of the outer arm on a horizontal axis at right angles to the horizontal pivot of the inner arm, a thin flexible metal band adapted to embrace and accommodate itself to a telephone receiver, and the clamping plates engaging and binding the terminals of said flexible band within the grooves or recesses in the clamping arm, in the manner and substantially as set forth.

2. An attachment for supporting a telephone receiver, comprising a wall bracket, a pivoted and horizontally swinging and adjustable plate secured thereto, a thumb nut for adjusting the angle of said pivoted section and holding the same at any angle, two pivoted arms having a hinged connection with each other and with the hinged section of said wall bracket, a clamping arm swiveled to the end of the outer pivoted arm, a flexible metallic clamping band adapted to embrace and hold a telephone receiver, and the clamping plates for engaging and binding the terminals of said band upon the clamping arm, substantially as specified.

3. An attachment for supporting a telephone receiver, comprising two pivoted arms having a hinged connection with each other and with a stationary wall bracket or support, a clamping arm swiveled to the end of the outer pivoted arm so as to be capable of being revolved relatively thereto and adapted to receive and hold a telephone receiver, and a set screw carried by said clamping arm for holding it at the desired angle, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES E. BERTELS.

Witnesses:

R. FITZGERALD,
C. H. RENARD.