

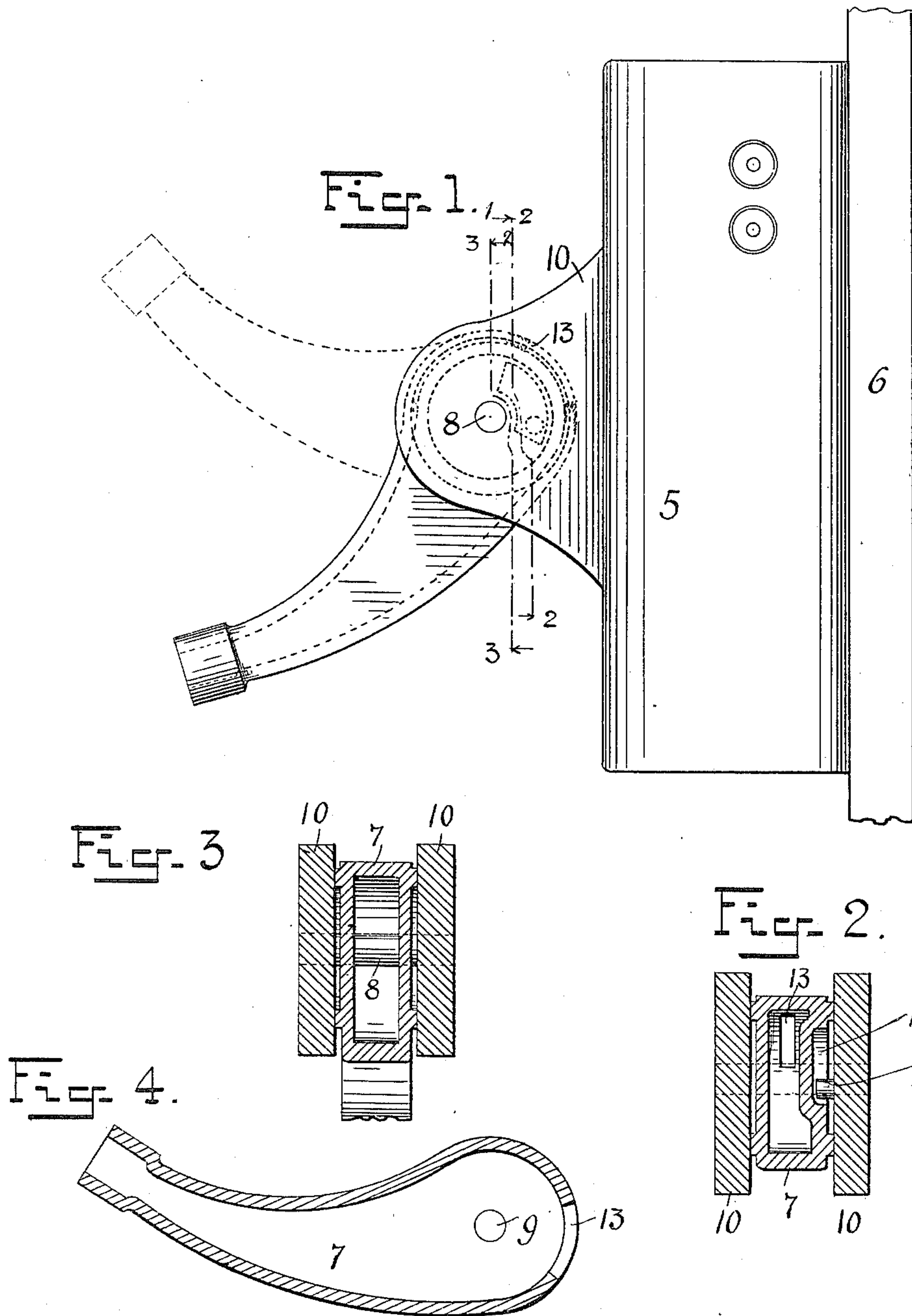
No. 661,224.

Patented Nov. 6, 1900.

H. McDONALD.  
TELEPHONE ARM.

(Application filed Dec. 13, 1899.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

HUGH McDONALD, OF WILLIAMSPORT, PENNSYLVANIA.

## TELEPHONE-ARM.

SPECIFICATION forming part of Letters Patent No. 661,224, dated November 6, 1900.

Application filed December 13, 1899. Serial No. 740,204. (No model.)

*To all whom it may concern:*

Be it known that I, HUGH McDONALD, a citizen of the United States, residing at Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Telephone-Arms, of which the following is a specification.

This invention relates to telephone-arms, and has for one object to provide a pivotally-mounted arm for the support of the transmitter, which is hollow throughout its extent, so that a wire may be passed through the same without being exposed to view or injury from external causes, the second object being to provide simple means for limiting the vertical movements of the arm.

The invention is fully illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the telephone-base having my improved arm attached thereto. Fig. 2 is a sectional view on the line 2 2 of Fig. 1 looking in the direction of the arrow 1. Fig. 3 is a section on the line 3 3 of Fig. 1 looking in the direction of arrow 2. Fig. 4 is a longitudinal sectional view of my improved arm.

Similar numerals of reference refer to like parts in each of the views.

In the practice of my invention I provide a base 5 of ordinary construction, which may be secured to any suitable support 6, and my improved arm 7 is mounted therein in the usual manner.

The arm 7 is hollow throughout its extent, as clearly shown in Fig. 4, and the spindle 8 passes through the opening 9 in each side of the arm.

On the inner side of one of the lugs 10 of the base 5, in which the arm 7 is journaled, I provide a projection 11, and the arm 7 is provided with a recess 12, adapted to inclose said projection 11, and by reason of this construction both the upward and downward movements of the arm 7 will be limited, as will be readily understood.

The arm 7 is provided at the outer end thereof with the usual socket for the recep-

tion of the transmitter and at the inner end with an elongated aperture 13, and the spindle-holes 9 are at a point intermediate of the ends of the arm, so that the spindle 8 passes through the hollow center of the arm, and the aperture 13 lies between the telephone-base and the spindle when the parts are assembled.

In assembling the parts the wire is passed through the aperture 13 and over or under the spindle 8 to the transmitter, and by reason of the projection or lug 11 and recess 12 the movement of the inner end of the arm will never be very great, while the elongated slot 13 will allow for the swinging of the arm without disturbing or injuring the wires, and by reason of this construction the wires are not exposed to view or injury from external causes, as is the case with telephone-arms at the present time.

I do not wish to limit myself to the exact arrangement and construction of the parts herein disclosed, but reserve the right to make all changes which fairly come within the scope of my invention.

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

1. In a telephone, a pivotally-mounted arm for the support of the transmitter, said arm consisting of a shell or casing 7, having spindle-holes 9, and an elongated opening 13, substantially as and for the purpose set forth.

2. In a telephone, an arm, consisting of a shell or casing 7, having spindle-holes 9, and an opening 13, and provided with a recess 12, a base 5, having lugs 10, in which the said arm is pivotally mounted, and a projection 11 formed on one of said lugs, and adapted to engage said recess, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereto affixed my signature.

HUGH McDONALD.

In presence of—  
C. R. STOUT,  
JNO. FINEST.