

(No Model.)

F. G. JOHNSON.

ARM REST FOR TELEPHONE USES.

No. 327,692.

Patented Oct. 6, 1885.

Fig. 1.



Fig. 2.

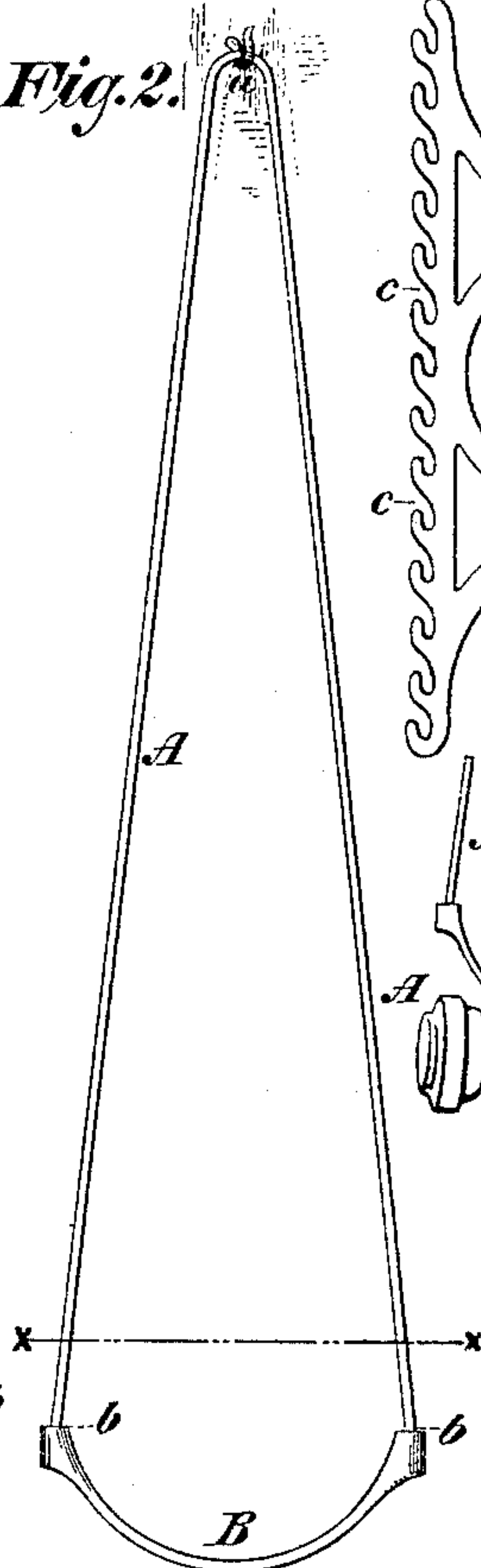


Fig. 3.

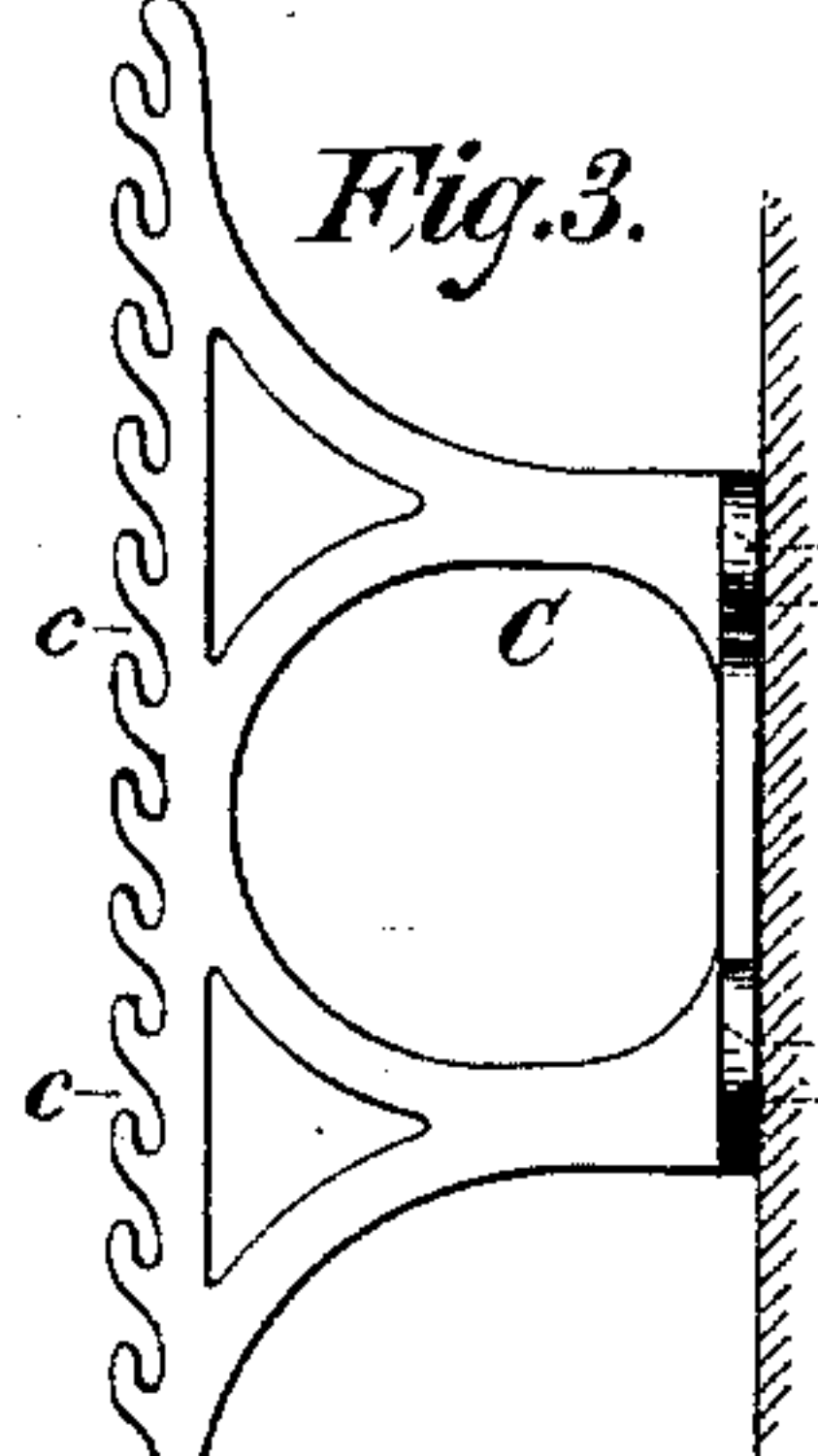


Fig. 6.

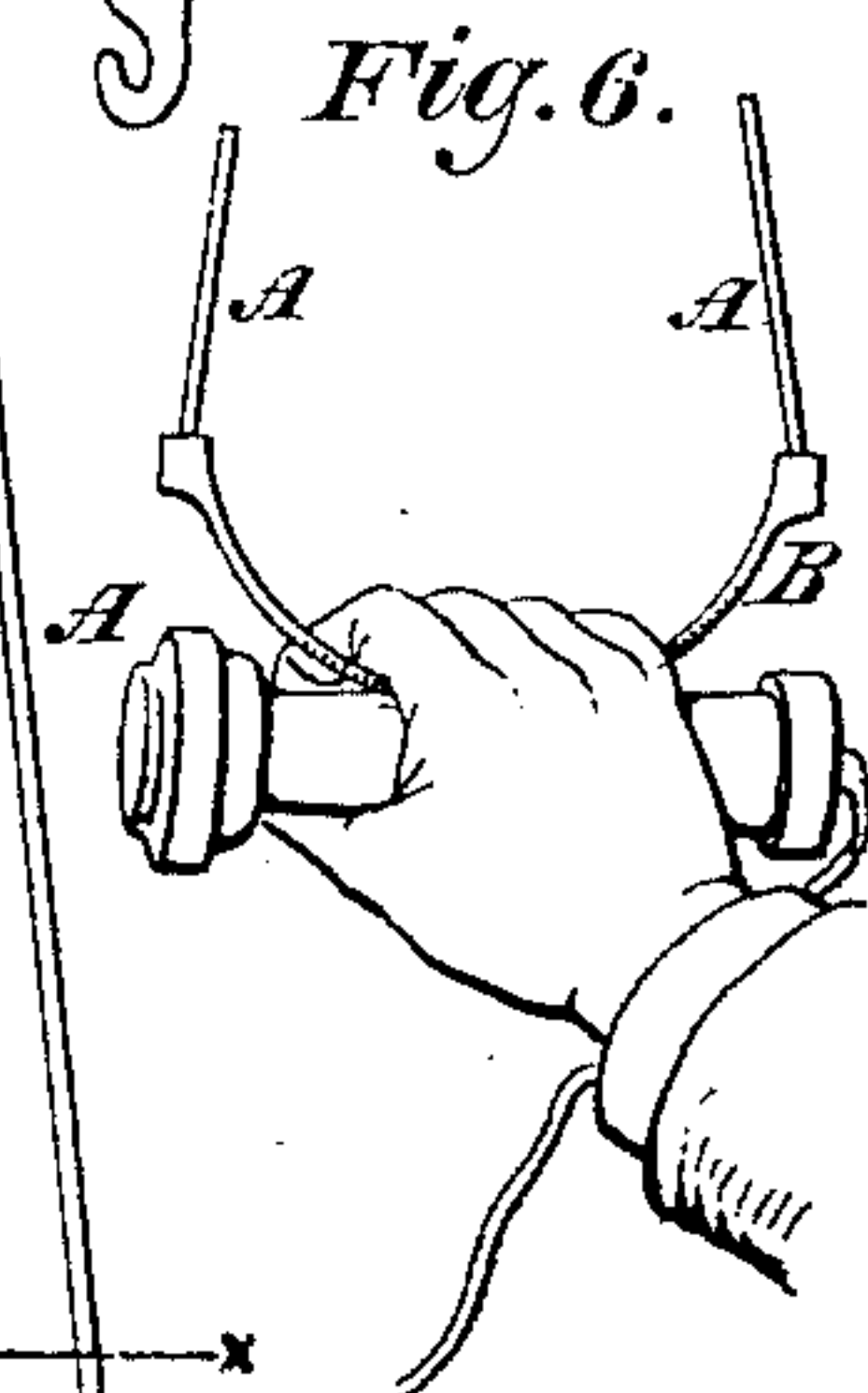


Fig. 4.



Fig. 5.

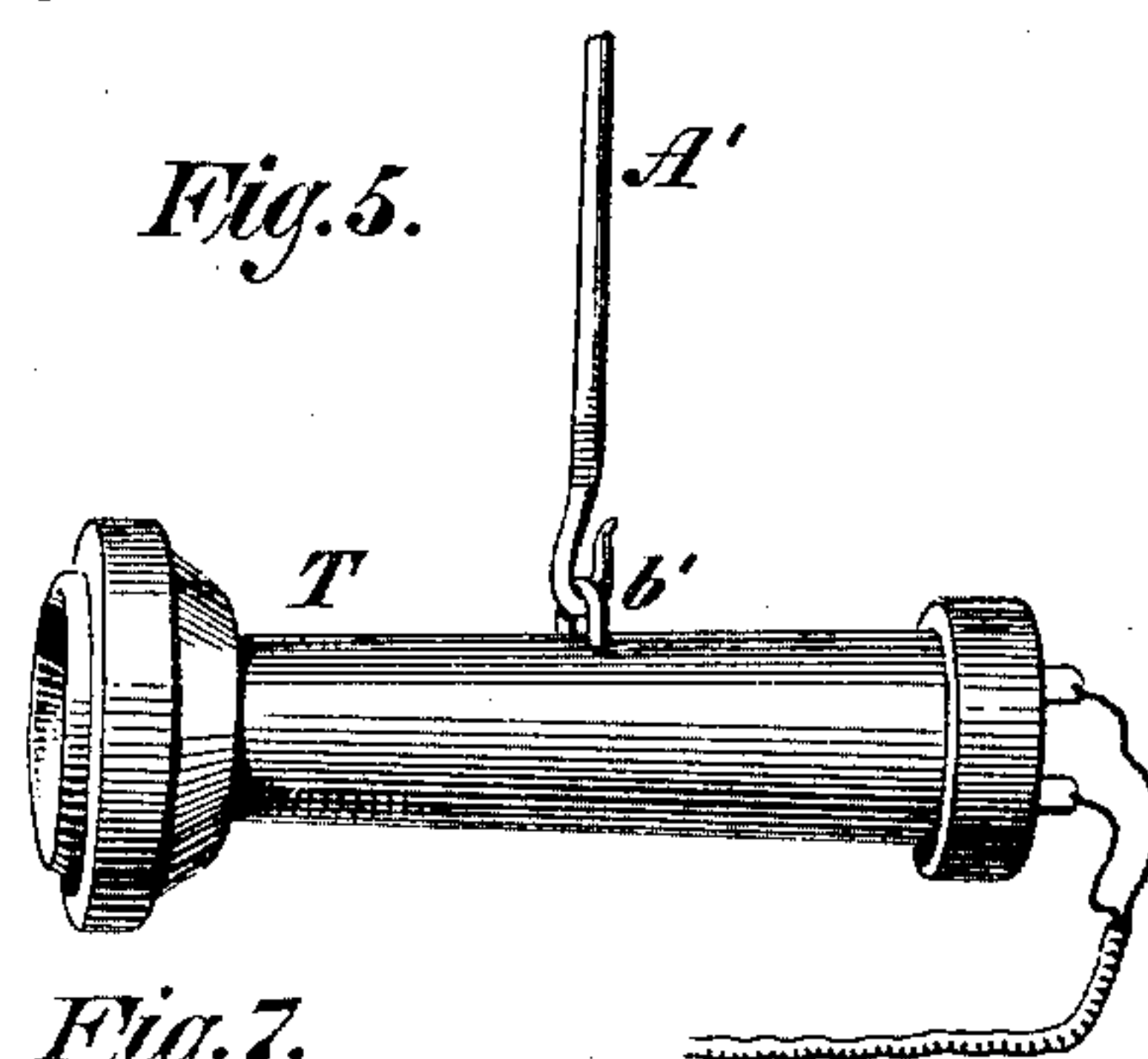
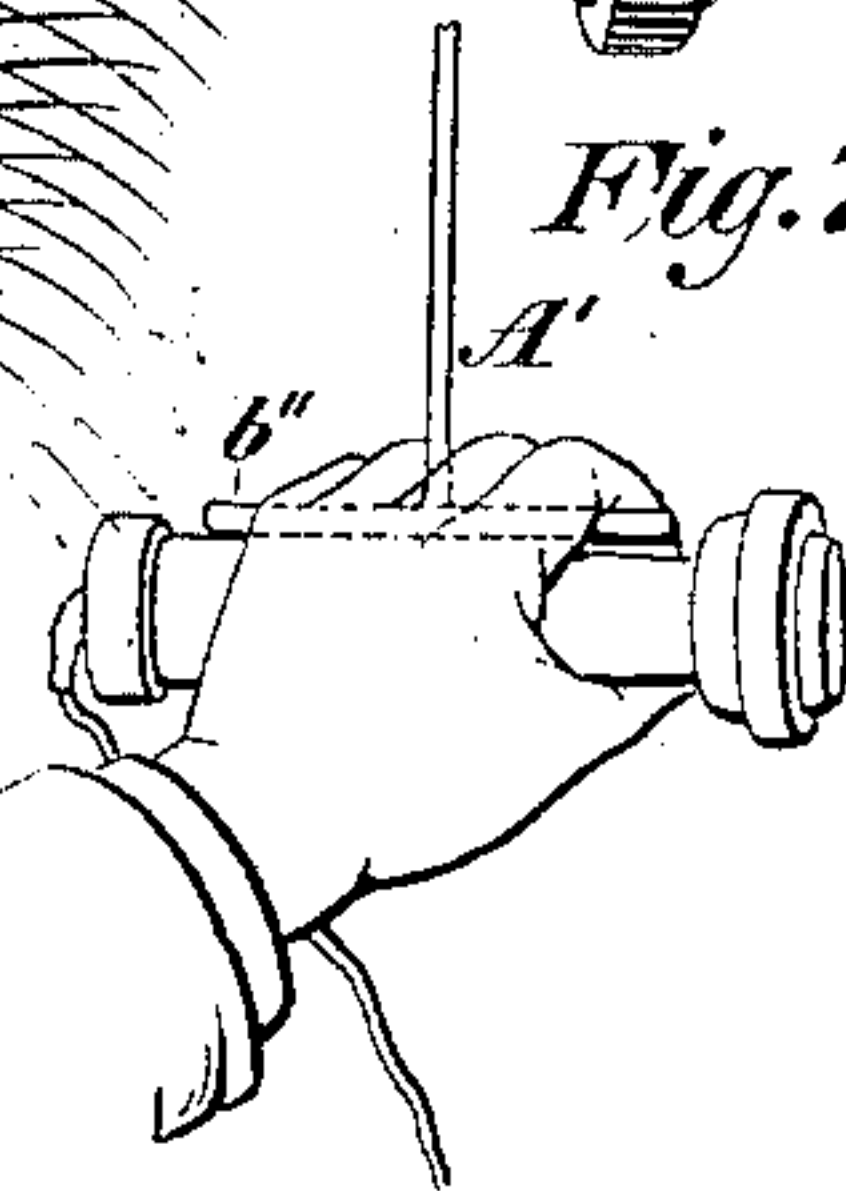


Fig. 7.



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ARM-REST FOR TELEPHONE USES.

SPECIFICATION forming part of Letters Patent No. 327,692, dated October 6, 1885.

Application filed January 31, 1885. Serial No. 154,511. (No model.)

To all whom it may concern:

Be it known that I, FRANK G. JOHNSON, of the city, county, and State of New York, have invented new and useful Improvements in
5 Arm-Rests for Telephone Uses; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification.

10 My invention relates to a new and useful device for an arm-rest to be employed in connection with telephones for the purpose of relieving the telephone-operators of the usual fatigue, which is caused by holding to the ear
15 for a considerable time the telephone-receiver, and at the same time so constructed and employed as not to limit in the least the free motion, in all lateral directions, of the elbow, hand, arm, or body of the telephone-operator, and
20 so arranged, too, that it can be employed on either side of the telephone-transmitter and by persons of different heights.

My improvement whereby I attain these results consists of a hanging or pendent support for the elbow or hand, which is held or
25 supported at the upper end by being suitably attached to the side wall, by means of a hook or staple, or, preferably, by means of a projecting and adjustable-bracket attached to the
30 wall near to and on either side of the telephone-transmitter, as illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view showing the device in use. Fig. 2 is a view of the suspension-rod that supports the arm-piece B, shown
35 as attached directly to the wall of the room; Fig. 3, a view of the projecting adjustable bracket, from which is suspended the hanging-rest; Fig. 4, a view of the arm-piece, seen
40 from the line *xx* in Fig. 2; Fig. 6, a view showing the method of supporting the arm by means of grasping the arm-piece and the telephone-receiver with the hand instead of placing the elbow upon it; Fig. 7 shows a modification of
45 the suspension-rod and arm-piece, and Fig. 5 shows how the suspension-rod can be modified so as to employ the telephone-receiver itself as the arm-piece by grasping it with the
50 hand.

Similar letters refer to similar parts throughout the several views.

The supporting-bracket C, which is fastened

to the same wall on which is secured the telephone-transmitter, is placed somewhat higher than the transmitter to facilitate lateral
55 motion of the arm-piece B, and a suitable distance to the right or left of the transmitter; or one of these brackets may be placed on either side of the transmitter to accommodate left as well as right handed persons in the use of
60 the rest.

To suit persons of different heights the supporting-bracket is provided with a long vertical edge or bar, having upon its outer edge
65 a series of suitable hooked projections, *c c*. This bracket C is also extended so as to project out from the wall upon which it is fastened, so as to bring the hooked projections
70 *c c* in nearly a vertical line with the natural position of the elbow and hand of the operator when standing in a convenient position before the transmitter, to prevent the necessity and effort of drawing the suspension-rod
75 A A much out of the vertical line of its support on the bracket.

A A are the suspension-rod or support of the arm-piece B, which consists, preferably, of a
80 metallic rod, bent in the form of a small semicircle at the top, to furnish a convenient means of hooking or attaching it to and detaching it from the supporting-bracket C, or other support, in order to adjust the rest to persons of
85 different heights. The arm-piece B is made, preferably, flat and partially semicircular to better fit the arm, and is attached to the suspension-rod, at *b b*; or it (the arm-piece) may
90 be a straight round bar, or of any other suitable shape if only it is long enough between the points *b b* to freely admit the elbow or hand to pass between the two branches of the suspension-rod A A.

Instead of placing the elbow upon the arm-piece B, the telephone-receiver and the arm-piece B can be grasped together in the hand,
95 as shown in Fig. 6, which rests the arm as effectually as if the elbow rested on the arm-piece, only, in this mode of using the rest, the suspension-rod A A needs to be raised higher on the adjustable supporting-bracket or wall.

Instead of making the suspension-rod A A
100 in two parts, as shown in Figs. 1 and 2, it may be made single, as shown by A', and be provided with a straight cross-bar, as *b''*, Fig. 7, in which case the cross-bar *b''* and the tele-

phone-receiver are grasped together in the hand, as shown in Fig. 7.

Figure 5 shows the method of using the rest by attaching the suspension-rod A' directly to the telephone-receiver T, as shown by b', and thus utilizing it (the receiver) as the arm-piece.

Of course, in the use of the word "arm-piece" in this specification I do not limit myself as signifying that the elbow only is to be placed upon the rest to relieve the arm, as the arm is afforded rest when its weight is supported by placing the arm upon the rest, or by grasping the rest with the hand.

The rest is adjustable to persons of different heights by simply hooking the suspension-rod A A onto any desired projections c c of the bracket, as shown at a, Fig. 1, or at such different elevations on the wall as will suit the height of the person desiring to employ the telephone.

By the employment of the suspension-rod A A as the support of the arm-piece B it (the arm-piece) is rendered freely mobile in all lateral directions, which, therefore, prevents any restraint upon the free motion of the hand, arm, or body in a horizontal plane while employing the rest, which result is indispensable to the convenient use of the telephone.

I do not limit myself to any particular form or style of supporting-bracket, as I am aware that a great variety of these may be made—as, for instance, a series of pins or separate hooks may be placed one above another instead of a bracket made in a single piece—for the securing the suspension-rest to the wall, or even a single support attached to the wall may be employed, as shown by Fig. 2.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In combination with a transmitter of a telephone, the hanging arm-rest, consisting of the suspension-rod A A and arm-piece B, attached to the side wall, D, above and at the side of the telephone-transmitter, substantially as and for the purposes set forth.

2. The combination, with a transmitter of a telephone, of the supporting-bracket C, having any desired projections c c, and hanging arm-rest, consisting of the suspension-rod A A and arm-piece B, substantially as and for the purposes described.

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Witnesses:

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