

No. 777,954.

PATENTED DEC. 20, 1904.

G. J. JUST.
TELEPHONE CHAIR.

APPLICATION FILED AUG. 15, 1902.

NO MODEL.

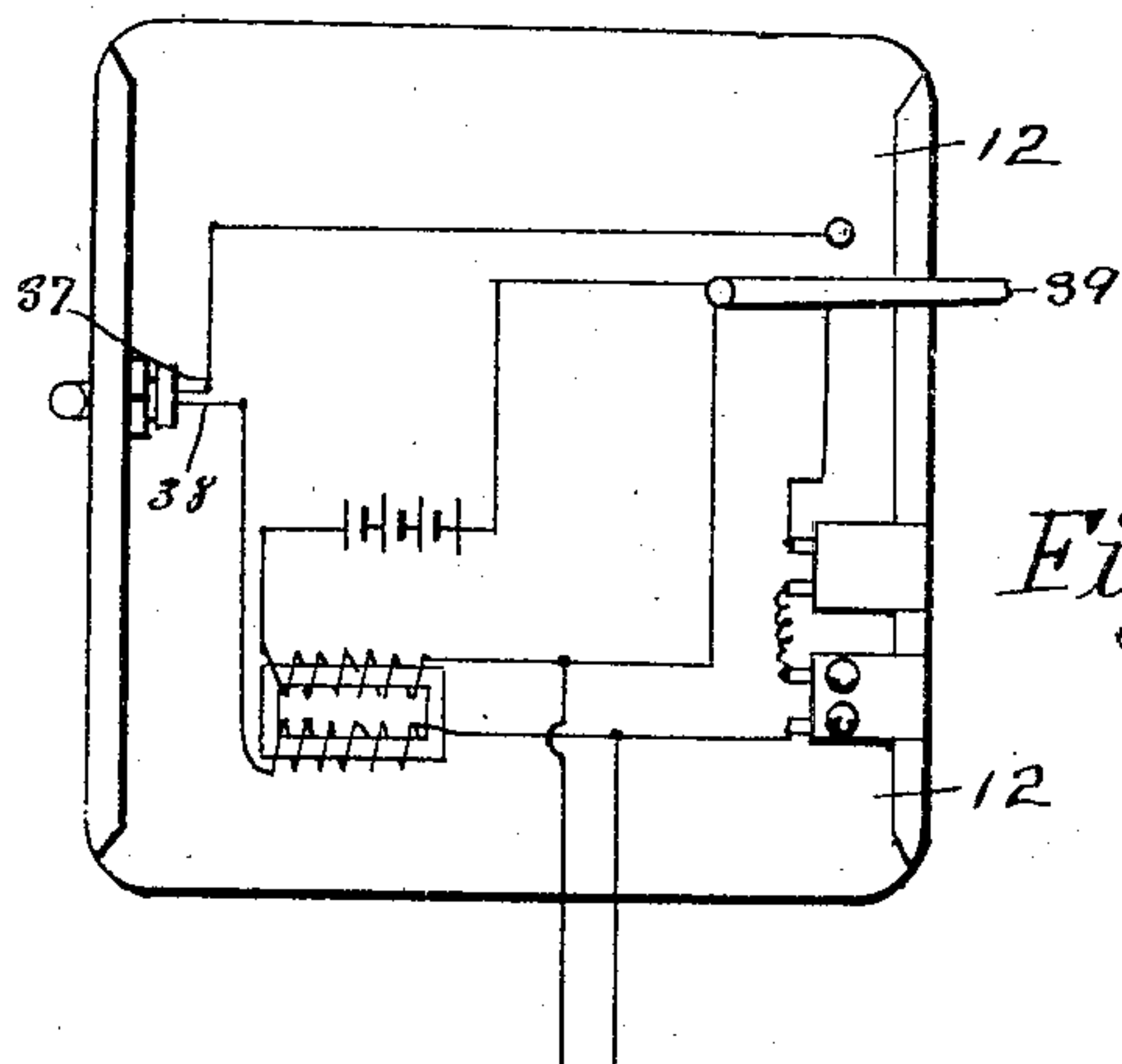


Fig. 2

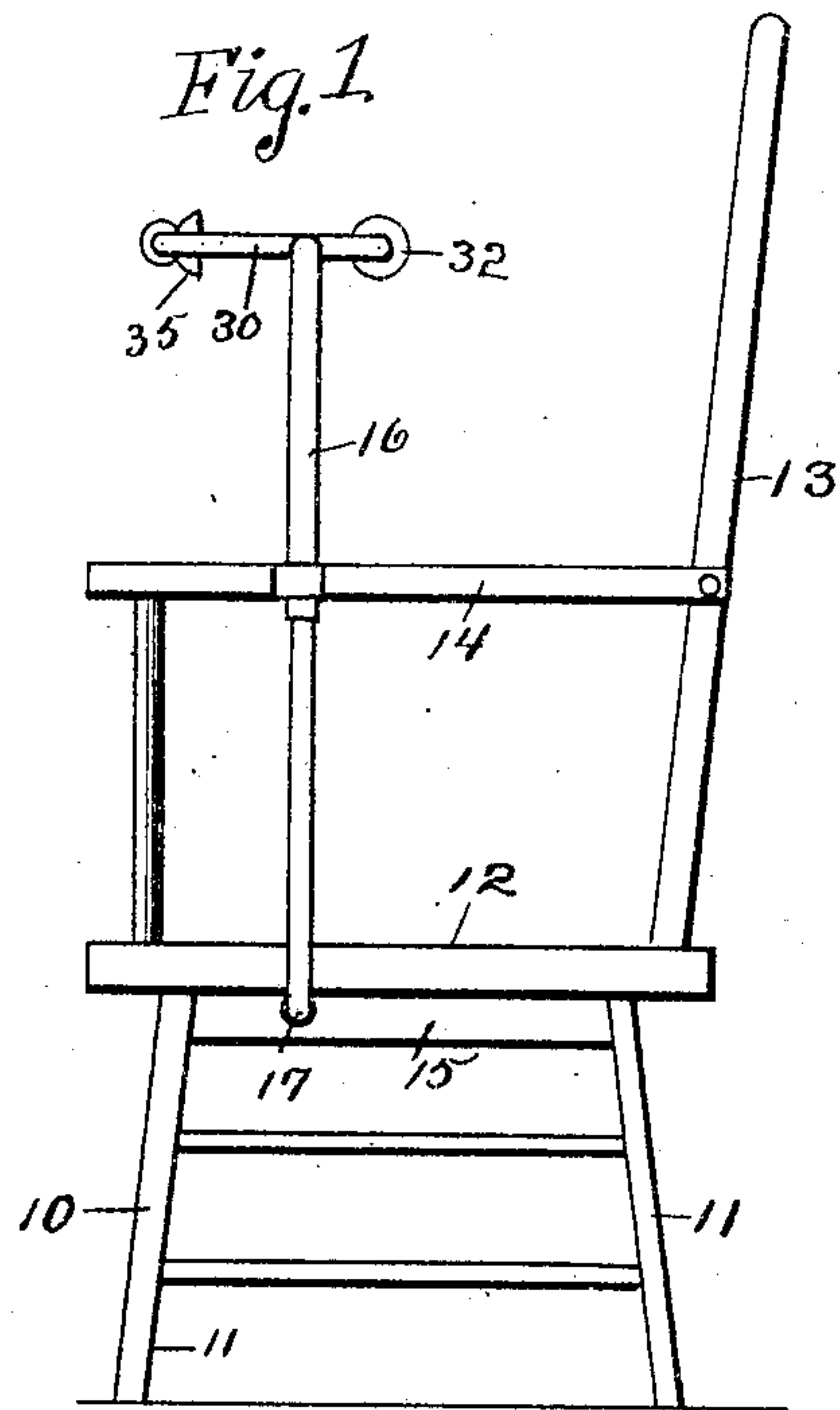


Fig. 1

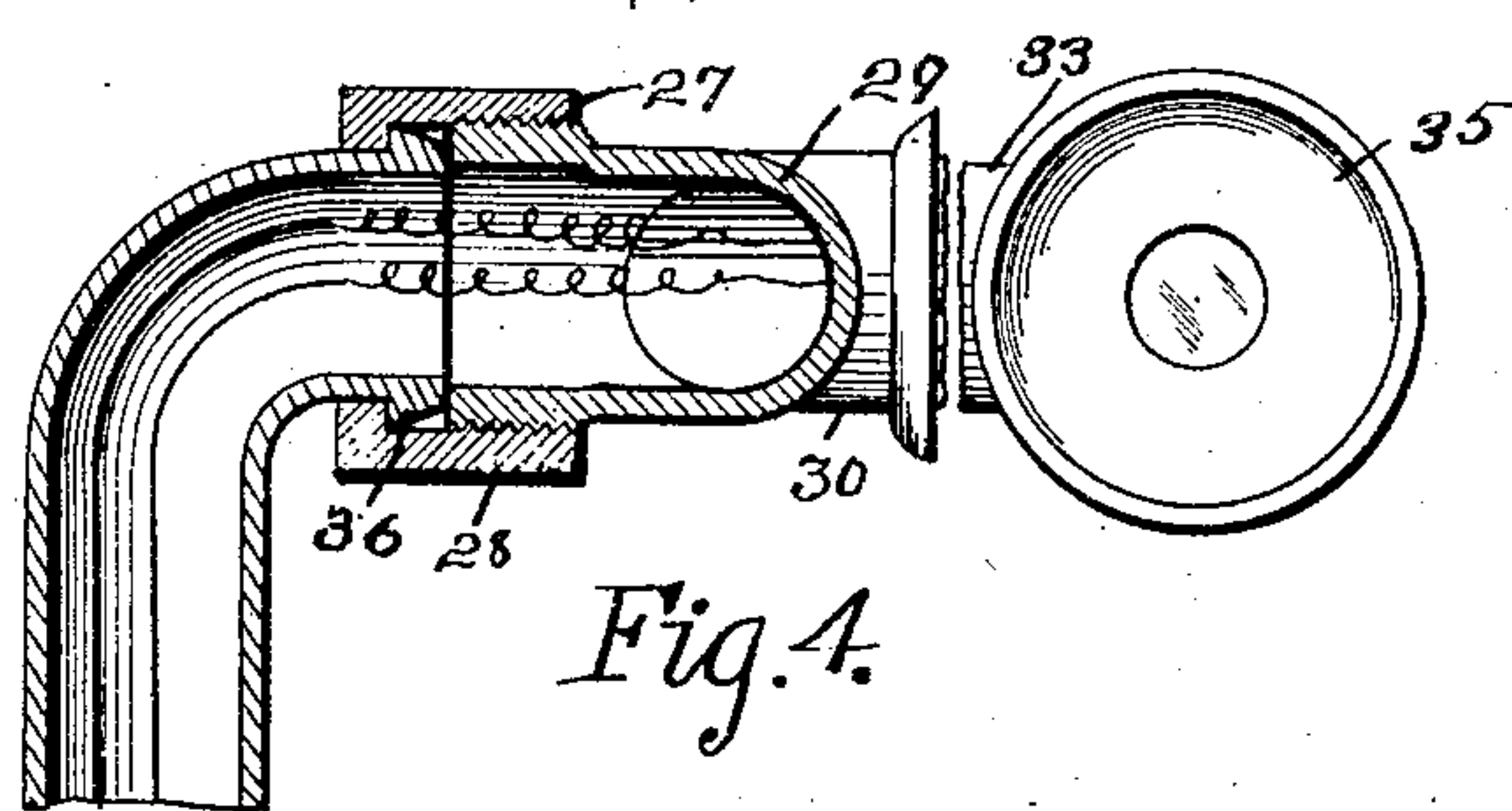


Fig. 4

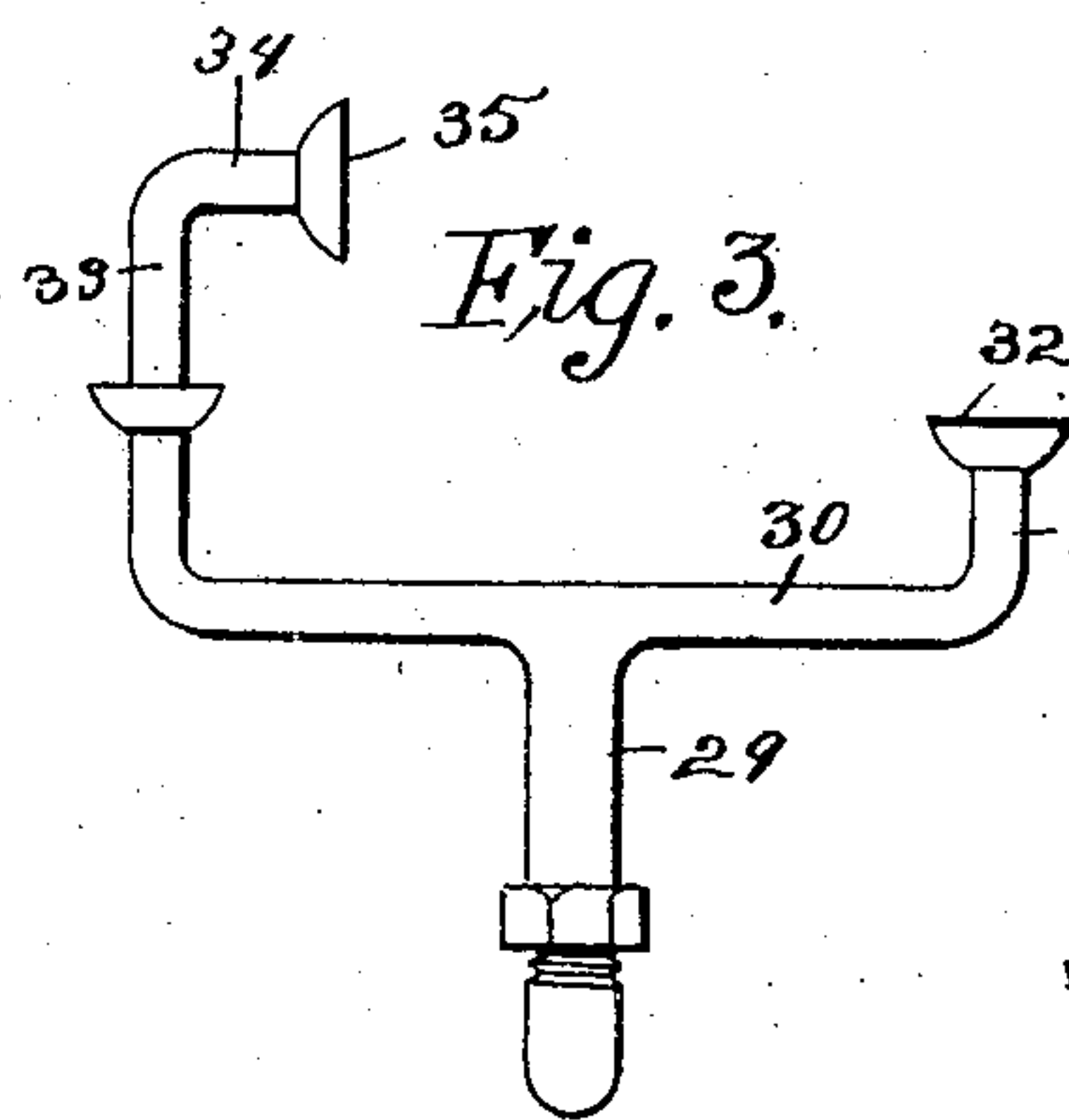
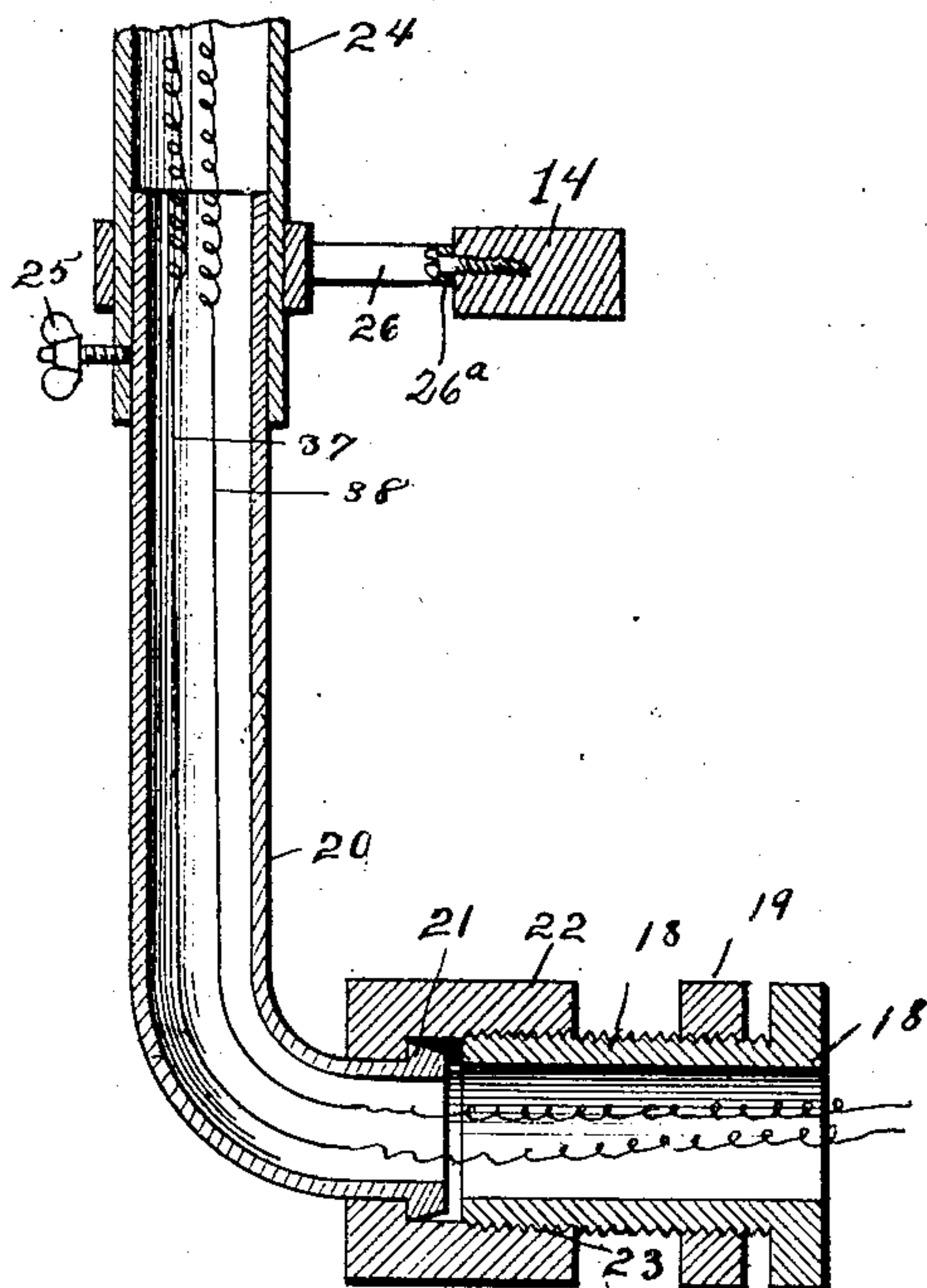


Fig. 3

Fig. 5

Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE J. JUST, OF NORTHBRANCH, IOWA.

TELEPHONE-CHAIR.

SPECIFICATION forming part of Letters Patent No. 777,954, dated December 20, 1904.

Application filed August 15, 1902. Serial No. 119,818.

To all whom it may concern:

Be it known that I, GEORGE J. JUST, a citizen of the United States, residing at Northbranch, in the county of Guthrie and State of Iowa, have invented a new and useful Telephone-Chair, of which the following is a specification.

The object of my invention is to provide a chair to which a telephone receiver and transmitter can be easily attached.

A further object is to provide an arm which is attached to the chair and which is so arranged that the wires necessary for receiving and transmitting the messages can be easily passed through this arm.

A further object is to provide an adjustable arm, said arm being attached firmly to the chair, the upper portion of which is adjustable vertically relative to the lower part and also capable of rotation on the lower portion.

A further object is to provide an arm attached to the side of the chair which has a receiver and transmitter at its upper portion of such shape that the receiver can be readily placed against the ear of the operator and the mouth-piece will be directly in front of him when he desires to transmit a message, so that a person using my telephone-chair can do so without using his hand for holding the receiver or transmitter.

A further object is to provide a switch on the under surface of the chair which can be adjusted to connect the transmitting and receiving wires or can be moved to the generator and bell wires to complete a circuit with the line-wires, so that by turning the handle attached to the generator the bells can be easily rung for calling up central.

A further object is to provide a switch which is detachably connected with the rear upper portion of the chair, so arranged that the chair can be easily thrown out of connection with the main-line wire or into connection with it.

A further object is to provide means for supporting the upright arm to the arm of the chair, the support for said upright arm being detachably connected with the upright and with the arm of the chair.

A further object is to provide means for holding the upper portion of the upright in

any desired position by means of a clamping device.

A further object is to provide means for firmly attaching the upright arm to the chair at its lower portion by means of a bolt and two nuts thereon.

A further object is to provide an upright arm the parts of which are readily detachable, so that if the wires become crossed at any time this arm can be readily taken apart and adjusted.

A further object is to provide coils on the wires which extend through the upright arm, so that these wires will adjust themselves when the upper portion of the arm is raised or lowered relative to the lower portion of the arm.

My invention consists in certain details in the construction, arrangement, and combination of the various parts of the device whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the chair with the upright arm attached to it in the position which it is usually adjusted when in use by the operator. Fig. 2 shows an inverted plan view of the chair-seat, showing the relative positions of the battery, generators, the bells, the switch, the induction-coils, and the wires which lead to the transmitter and receiver and also to the line-wires. Fig. 3 is a plan view of the transmitter and receiver which is attached to the upper forward end portion of the upright arm. Fig. 4 is a cross-sectional view of the upright arm, showing the wires extending through it, the means for attaching the upright to the chair, and the means for supporting said upright firmly to the chair and the coils in the wires in said upright arm, the front portion of the arm, which comprises the receiver, being broken away; and Fig. 5 shows a detail sectional view of the rear upper portion of the chair and shows the switch for connecting the main-line wires on the chair.

Referring to the accompanying drawings, I have used the reference-numeral 10 to indicate the chair, having the legs 11, the bottom 12, and the back 13 and the arms 14 therein.

I have provided an extension 15 from each side of the bottom of the chair so arranged as to assist in supporting the upright arm 16 at one side and the generator and batteries at the other side of the chair. One of the extensions, 15, has a circular opening 17 at its central portion designed to receive the screw-threaded tube 18 through it, said screw-threaded tube 18 having the nut 19 near its inner end so arranged that when the screw-threaded tube 18 is placed on the inside portion of the extension 15 and pushed outwardly through the opening the nut 19 will rest against the inside portion of this extension. At the exterior end of the screw-threaded tube 18 I have attached the lower curved portion 20 of the upright arm 16, said lower curved portion having the projection 21 extending a slight distance outside the sides of its lower inner end, said projection being designed to hold in position the nut 22, said nut being held thereon by means of the projection at its lower inner end, said nut having the screw-threaded portion 23 on its interior inner edge, said screw-threaded portion being designed to engage the screw-threaded portion of the screw-threaded tube 18, and on account of this tube extending through the extension 15 this nut 22 when screwed into position will hold the extension 15 between it and the nut 19 in such a way that the upright arm 16 will be held firmly in position relative to the chair. Mounted at the top of the lower portion of the upright arm is the upper portion 24 of the upright arm. The top of said upper portion is bent substantially at right angles to its lower body portion, and the lower end is so constructed that it will fit over the lower portion of the upright arm and will telescope with it. Through the lower end of this upper portion of the upright arm I have mounted the thumb-screw 25, said thumb-screw being designed to hold the upper portion of the upright arm in position relative to the lower portion of the upright arm. Extending around the lower end of the upper portion 24 of the upright arm is the metal brace 26, which is secured by a screw 26^a to one of the supports, so that the upright arm will be held firmly in position relative to the chair. At the upper inner portion of the upright arm I have provided a screw-threaded portion 27, said screw-threaded portion being designed to receive a nut 28 outside of it and hold firmly in position the receiver and transmitter portion. This receiver and transmitter portion is comprised of a metal tube 29 and the back piece 30, which is at right angles to the metal tube 29, and extending at right angles to it and both to the left and right of it said back portion 30 has an extension 31 at right angles to the back, and at the left end of said back said extension 31 having the cup-shaped receiver 32 designed to fit against the ear of the operator. At the right end of the back portion 30 and extending at right angles to this

back portion 30 is the extension 33, having an extension 34 thereon, said extension 34 being at right angles to the extension 33 and substantially parallel with the back portion 30. This extension 34 has a cup-shaped transmitter 35, designed to be used as the mouth-piece when transmitting a message.

It will be clearly seen that on account of the extension 31 being at right angles to the back portion 30 and the extension 34 being substantially parallel with the back portion the operator can place his ear against the receiver 32 on the extension 31 and his mouth will be substantially in front of the cup-shaped transmitter 35 of the extension 34, and the message will be easily received and transmitted by this device. To the end of the metal tube 29 which is away from the back portion 30 I have provided the projection 36, said projection being at the end of the metal tube 29 away from the back portion 30 and at right angles to said end portion, so constructed that the nut 28 can be rotatably mounted on the metal tube 29, and it will be prevented from slipping off this metal tube 29 on account of the projection 36 on said tube, so that the parts 29 and the upper portion of the upright arm can be held firmly together by means of this nut 28, which is designed to be rotatably mounted on the shaft 29 to engage the screw-threaded portion 27. To the bottom of the chair I have attached one of the ordinary sets of wires and generators for connecting the telephone line-wires to the chair. Leading from the wires which are attached to the bottom of the chair are two wires 37 and 38, which communicate with the transmitter and receiver. Through the upright arm an ordinary form of switch is used for connecting and disconnecting the line-wires circuit. This switch I have referred to by the numeral 39. At the top of the chair I have provided a switch 40, so that the chair can be thrown in connection with the main-line wires or out of connection at the pleasure of the operator.

In practical use and assuming that the operator desires to use his chair in transmitting and receiving messages he adjusts the switch 40 so that the wires attached to the chair form a complete circuit with the main wires. The operator then adjusts the upright arm to the desired height by means of the adjustable portions of the upright arm, the wires in said upright arm being coiled.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States therefor, is—

1. In a device of the class described, an arm-chair, an extension connected with the bottom of the chair and adjacent to each side thereof, one of said extensions having an opening extending through it, a screw-threaded tube extending through said opening, a nut mounted on said tube and designed to engage the inte-

rior of said extension when the tube is placed
in said opening, a nut having its interior par-
tially screw-threaded, mounted on the outer
end of said screw-threaded tube, an upright
5 arm rotatably mounted in said nut in the said
partially-screw-threaded nut, said arm having
an upper and lower portion therein, the upper
portion of which is capable of vertical adjust-
ment relative to said lower portion, means for
10 holding the upper portion in position relative
to the lower portion, means for securing the
upright arm to the arm of the chair, a screw-
threaded portion on the upper end of said arm,
a partially-screw-threaded nut on the upper
15 end of said upright arm, a receiver and trans-
mitter portion rotatably secured to the par-
tially-screw-threaded nut which is at the up-
per end of the upright arm, wires extending
through said upright arm and into the receiver
20 and transmitter portion and also connected

with the bottom of said chair, for the purposes
stated.

2. In a device of the class described, the
combination of an arm-chair, an extension con-
nected with the bottom of the seat of the chair 25
and near each side thereof having an opening
extending through one of them, a screw-
threaded tube passing through said opening,
an adjustable upright secured to said screw-
threaded tube, means for securing said screw- 30
threaded tube to the extension having the
opening therein, means for holding the up-
right in position relative to the arm of the
chair and a transmitter and receiver at the up-
per end of said upright.

GEORGE J. JUST.

Witnesses:

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