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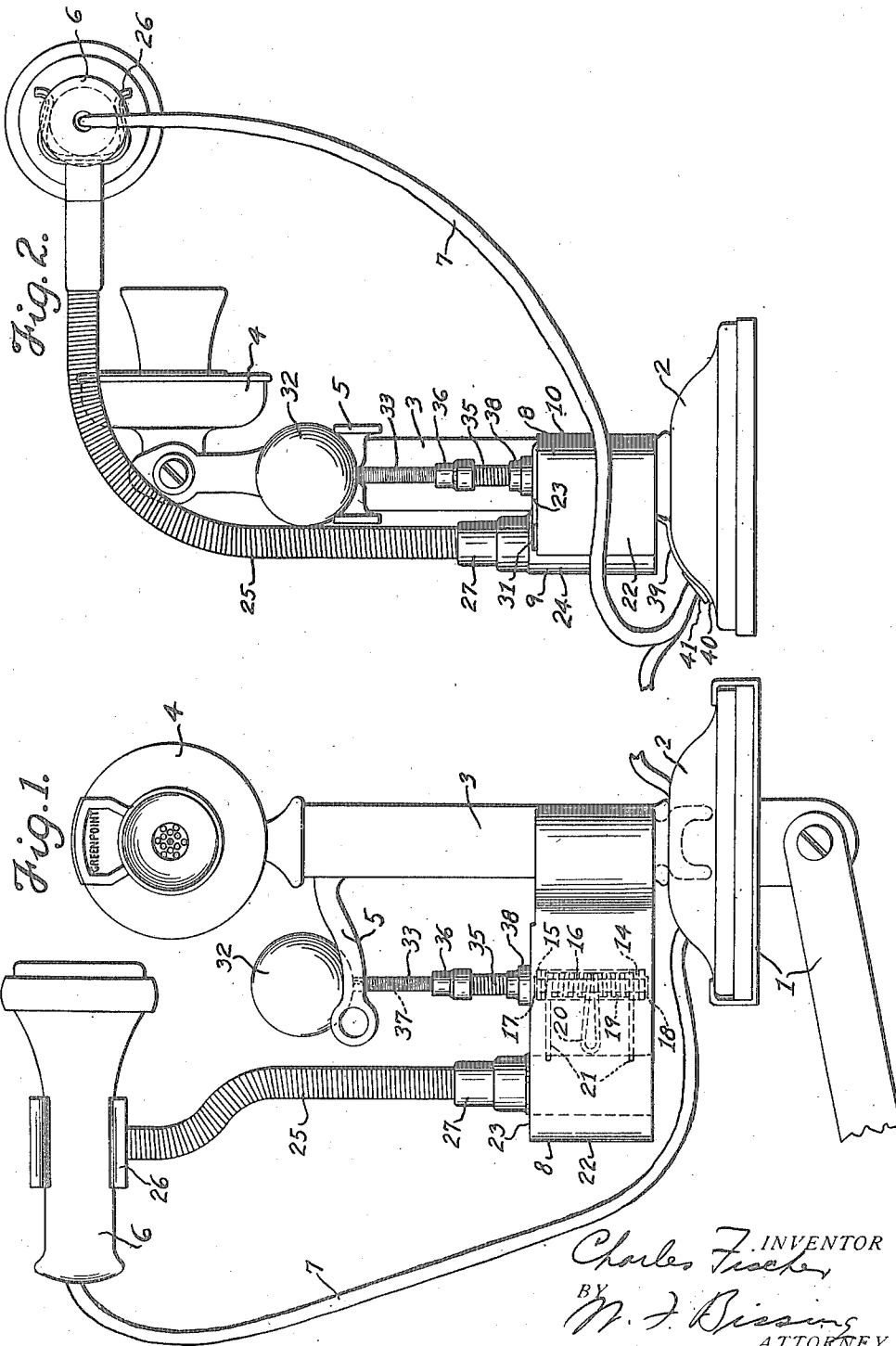
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C. FISCHER

TELEPHONE REST

Filed July 21, 1921

2 sheets-sheet 1



Charles Fischer INVENTOR
BY M. J. Bissinger ATTORNEY

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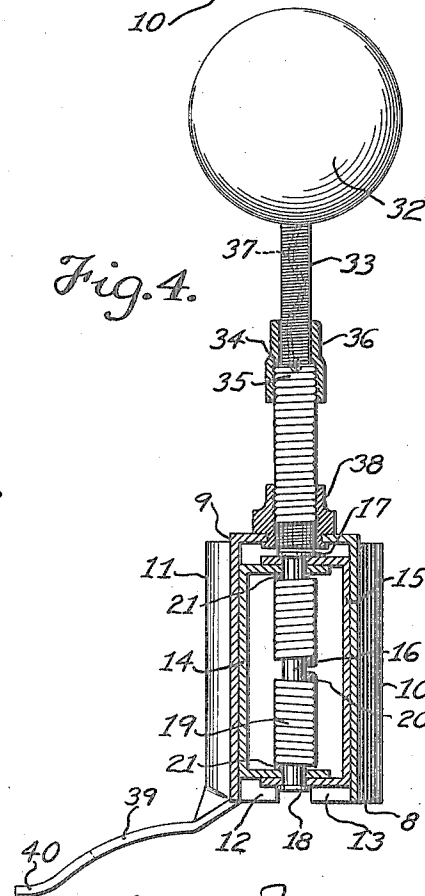
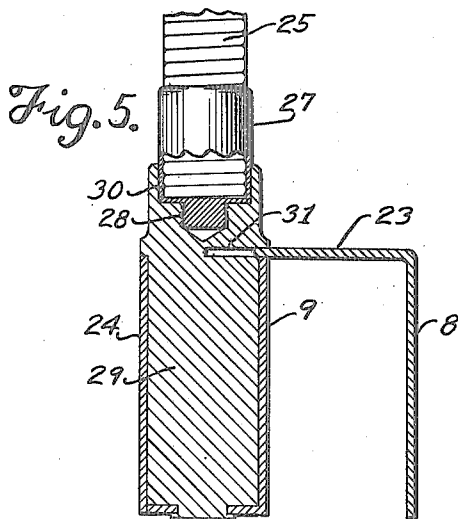
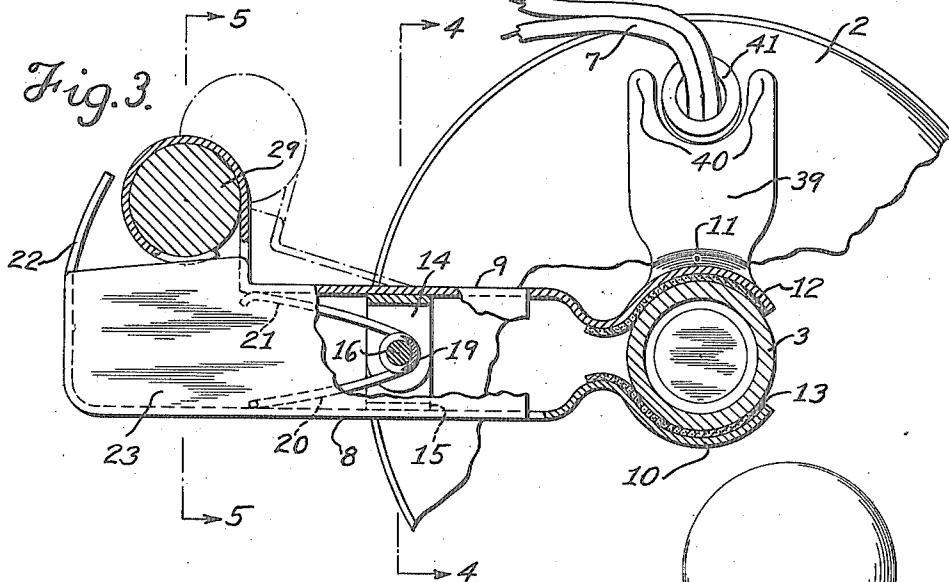
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2 sheets-sheet 2



INVENTOR
Charles Fischer
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UNITED STATES PATENT OFFICE.

CHARLES FISCHER, OF NEW YORK, N. Y.

TELEPHONE REST.

Application filed July 21, 1921. Serial No. 436,444.

To all whom it may concern:

Be it known that I, CHARLES FISCHER, a citizen of the United States, residing at 3657 Broadway, city, county, and State of New York, have invented certain new and useful Improvements in Telephone Rests, of which the following is a specification.

My invention relates to telephone rests and particularly to one which is compact and light in weight and which can be cheaply manufactured and readily attached and removed from the usual telephone stand, without tools, permitting the person to telephone with his hands free and without an obstruction on the table on which the stand rests.

One of the objects of the invention is to manufacture such a clamp from sheet metal parts provided with portions which serve as a cover for the inside mechanism and also forming a neat, efficient and inexpensive hand grip, other portions of the sheet metal clamp providing a loop for holding the flexible arm by which the receiver is carried.

Another object of my invention is to provide such a clamp with a registering device for registering the clamp in position upon the stand so as to ensure correct alignment of the parts.

Both the receiver-holding flexible tube and the ball for actuating the circuit-breaker spring are detachably secured to the clamp so as to permit their ready removal, in shipping.

With the above and other objects in view, my invention consists in the parts, improvements and combinations more fully pointed out hereinafter.

Referring now to the drawings illustrating one embodiment of the invention:

Fig. 1 shows a front elevation of a telephone stand to the stem of which my improved telephone arm rest is attached.

Fig. 2 is a side elevation of Fig. 1.

Fig. 3 is a horizontal cross section thru the parts shown in Fig. 1.

Fig. 4 is a sectional detail illustrating the receiver hook operating member on line 4—4 of Fig. 3.

Fig. 5 is a sectional detail illustrating the means for detachably securing the flexible tube carrying the receiver, to the clamp on line 5—5 of Fig. 3.

The usual form of telephone set is illustrated in Fig. 1, the telephone stand being

carried by a wall or desk bracket 1. Upon this is mounted the base 2 supporting the stem 3 of the telephone set provided with the usual transmitter 4, switch hook 5, receiver 6, wires 7 and circuit connections.

In accordance with my invention, I provide a clamp comprising two arms 8 and 9, stamped out of sheet metal, the near or clamping ends of these arms being suitably shaped at 10 and 11 so as to embrace the stem of the stand. A pliable felt covering 12, 13 is secured to the insides of the arms to improve the grip and prevent scratching of the surface of the stem.

Means are provided for pivotally securing the arms together. In the form of the invention illustrated I provide two brackets 14 and 15 each secured to an arm of the clamp, these brackets being provided with holes in which the pivot pin 16 is mounted. The pin is headed at 17 and 18 to keep it in place.

I provide a spring for pressing the jaws of the clamp together and in the embodiment of the invention illustrated the spring takes the form of the spiral spring 19 surrounding the pivot pin, the legs of the spring 20, 21 pressing apart the distal ends of the arms of the clamp, thus clamping the jaws 10 and 11 against the stem of the stand.

In accordance with my invention, I stamp out the distal ends of the arms of the clamp so as to provide one of them with a bent portion 22 forming a hand grip to be gripped by the hand when opening the jaws of the clamp, this arm of the clamp also having a cover 23 which neatly closes and conceals the parts from view.

The distal end of the other arm of the clamp is shaped in the form of a loop 24 so as to form a socket to receive the flexible tube carrying the receiver.

I provide a flexible tube 25 having a holder or fork 26 at one end into which the receiver fits and provide means for removably securing the tube to the clamp. As illustrated, the lower end of the flexible tube has a casing 27 secured thereto, the casing carrying a screw-threaded point 28 at its end.

A plug 29 is riveted or otherwise secured to the curved socket 24, the upper end of the plug being provided with a cup-shaped recess 30 into which the lower end of the casing 27 fits, so as to avoid lateral strain on

the screw point 28 when bending and adjusting the flexible tube 25 into position.

I provide one of the arms with an undercut so as to permit a full opening of the clamp. In the form of the invention illustrated, the plug 29 carried by the arm 9 is slotted at 31, the cover 23 of the opposite arm entering the slot. This permits a full opening of the clamp, at the same time reducing the overall length of the clamp.

Means are provided carried by the clamp, which are adapted to cooperate with the receiver hook so as to normally hold the hook in the circuit breaking position. In the form of the invention illustrated, I make use of a spring-pulled member such as the ball 32 pulled by a fine spring 33. The fine spring is slipped thru the cap 36 and the end 34 of the spring is enlarged, which thus anchors the spring in the cap. The end of the stiff spring is screwed against the enlargement of the fine spring, thus locking it in place. The cap 36 covers the junction of the two springs, the cap being threaded to receive the end of the stiff spiral spring 35. A string or flexible member 37 secured to the ball and spring prevents undue extension of the fine spring 33, in case it were attempted to pull too hard on the spring.

The spring 35 forms a flexible post or support and at its lower end screws into a coupling 38, screw-threaded inside, the said coupling being secured in the arm of the clamp. By unscrewing the spring 35 from the coupling, the ball and its spring may be detached from the clamp when the parts are disassembled for shipment. The flexible tube 25 is likewise unscrewed from the clamp, in shipping.

The round hole in the arm of the clamp into which the coupling 38 enters, may be located with reference to the holes for the pivot pin 16, so as to permit the insertion of this pivot pin when assembling the parts.

Means are provided for registering the clamp in position upon the telephone stand so as to ensure correct positioning of the receiver and transmitter.

In accordance with my invention I provide a registering device in the form of a registering prong 39 stamped out from one of the arms of the clamp for obtaining this result. The prong is preferably provided with forked ends 40 which may embrace the usual button 41 mounted upon the base of the telephone stand thru which button the wires run to the receiver.

Having thus described my invention, its operation will be clear. By merely gripping the distal end of the arms of the clamp, its jaws may be opened and after locating the registering prong in its proper position, the clamp fastens down upon the stem of the telephone stand. The parts may be cheaply manufactured and quickly stamped out. The

device can be disassembled so as to occupy a small space for shipment.

What I claim and desire to secure by Letters Patent is:

1. A removable telephone rest attachment comprising in combination a clamp having a plurality of jaws for adjustably securing the rest to the stem of the telephone stand near its base, a spring for pressing the jaws together, a flexible tube provided with a holder at one end for carrying the receiver, the said tube being mounted upon the clamp said tube having an upright flexible portion extending from said clamp and means including a flexible connecting link carried by said clamp coacting with the receiver hook of the telephone stand, so as to hold the hook in the circuit breaking position.

2. A telephone rest comprising the combination of a clamp having two jaws for securing the rest to the stem of the telephone stand, a pivot located between the arms of the jaws, a spring encircling said pivot and pressing the jaws together, a removable flexible tube mounted upon the far end of one of the arms and provided with a fork for holding the receiver, and a spring-pulled member attached to the clamp and adapted to cooperate with the receiver hook so as to normally hold the hook in the circuit breaking position.

3. A telephone rest comprising the combination of a clamp having two sheet metal arms, one end of each arm being curved so as to form a clamp for the telephone stand, a pivot for said arms, a spring encircling said pivot, the other end of one of the arms provided with a bent portion forming a hand grip, and a flexible tube mounted upon said clamp and provided with a holder at one end for carrying the receiver.

4. A telephone rest comprising the combination of a clamp having two sheet metal arms, on end of each arm being curved so as to form a clamp for the telephone stand, a pivot for said arms, a spring encircling said pivot, the other end of one of the arms provided with a bent portion forming a hand grip and the distal portion of the other arm being curved to form a socket, and a flexible tube mounted in said socket and provided with a holder at its distal end for carrying the receiver.

5. A telephone rest comprising the combination of a clamp, consisting of two sheet metal arms, one end of each arm being curved so as to embrace the telephone stand, a pivot connecting said arms, a pair of brackets, one secured to each arm, in which said pivot is mounted, a spring encircling said pivot and operating to press the curved ends of the arms together, the other end of one of the arms provided with a bent portion forming a hand grip and having a cover portion, the distal end of the other

arm being curved to form a socket, a flexible tube mounted in said socket and provided with a holder at its distal end for carrying the receiver and a registering device mounted upon the clamping portions of one of the arms for registering the clamp in position upon the stand.

6. A telephone rest comprising the combination of a clamp, consisting of two sheet metal arms, one end of each arm being curved so as to embrace the telephone stand, a pivot connecting said arms, a pair of brackets, one secured to each arm, in which said pivot is mounted, a spring encircling said pivot and operating to press the curved ends of the arms together, the other end of one of the arms being stamped out so as to provide a bent portion forming a hand grip and a stamped out cover portion, the hand grip and the cover portion being integral with said arm, the distal end of the other arm being curved to form a socket, a flexible tube mounted in the socket and provided with a holder at its distal end for carrying the receiver and a registering prong stamped out from one of said arms for registering the clamp in position upon the stand.

7. A telephone rest comprising the combination of a clamp having two sheet metal arms, one end of each arm being curved so as to form a clamp for the telephone stand, a pivot for said arms, a spring encircling said pivot, the other end of one of the arms provided with a bent portion forming a hand grip and the distal portion of the other arm being curved to form a socket, a plug in said socket, said plug provided with a recess, the distal end of the arm having the bent portion provided with a wing entering said recess and a flexible tube mounted in said plug and provided with a holder at its distal end for carrying the receiver.

8. A telephone rest comprising the combination of a clamp having two jaws for securing the rest to the stem of the telephone stand, a pivot located between the arms of the jaws, a spring pressing the jaws together, a removable flexible tube mounted on the far end of one of the arms and provided with a fork for holding the receiver and a spring-pulled ball removably secured to one arm of the clamp and adapted to co-operate with the receiver hook so as to nor-

mally hold the hook in the circuit-breaking position.

9. A telephone rest comprising the combination of a clamp having two jaws for securing the rest to the stem of the telephone stand, a pivot located between the arms of the jaws, a spring pressing the jaws together, a removable flexible tube mounted on the far end of one of the arms and provided with a fork for holding the receiver, a socket carried by one of the arms, a spring threaded into said socket and a spring-pulled member connected to the other end of said spring, said member adapted to cooperate with the receiver hook so as to normally hold the hook in the circuit-breaking position.

10. A telephone rest comprising a clamp having two jaws for securing the rest to the stem of the telephone stand, a member adapted to cooperate with the receiver hook so as to normally hold the hook in the circuit-breaking position, a spring forming a flexible post having one end mounted upon one of the jaws, a coupling for the other end of said spring, into which the spring is screwed, a fine spring passing into said coupling and provided with an enlargement forming an anchor, so as to hold the fine spring in the coupling, the other end of the fine spring being secured to the said member which operates the hook.

11. A removable telephone rest attachment constructed for attachment to and removal from the stem of telephone stand comprising in combination a removable clamp having a plurality of jaws constructed to embrace and detachably secure the rest to the stem of the telephone stand, said jaws being constructed to embrace the stem of the stand near the base, a detachable flexible tube provided with a holder at one end for carrying a receiver, the other end of said tube being removably attached to the clamp and a member including a flexible link having one end secured to the clamp, the other end carrying a member coacting with the receiver hook so as to hold the hook in the circuit breaking position.

In testimony whereof, I have signed my name to this specification, in the presence of a subscribing witness.

CHARLES FISCHER.

Witness:

LOUELLA F. LITTLE.