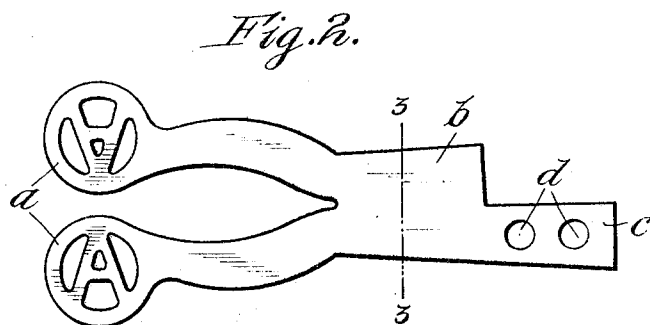
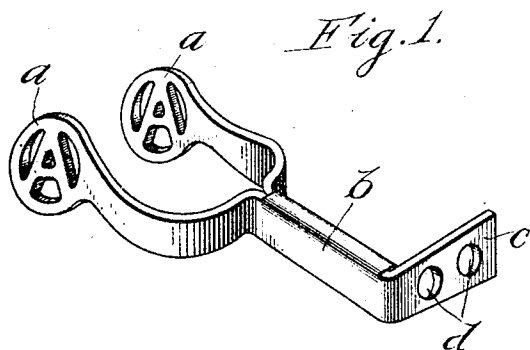


H. J. GUTTMAN.  
TELEPHONE SWITCH HOOK.  
APPLICATION FILED NOV. 25, 1905.



*Fig. 3.*



*Witnesses:*  
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# UNITED STATES PATENT OFFICE

HARRY J. GUTTMAN, OF CHICAGO, ILLINOIS, ASSIGNOR TO AUTOMATIC  
ELECTRIC COMPANY, OF CHICAGO, ILLINOIS.

## TELEPHONE SWITCH-HOOK.

No. 819,061.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed November 25, 1905. Serial No. 289,046.

*To all whom it may concern:*

Be it known that I, HARRY J. GUTTMAN, a citizen of the United States of America, and a resident of Chicago, Cook county, Illinois, have invented a certain new and useful Improvement in Telephone Switch-Hooks, of which the following is a specification.

My invention contemplates a simplified and improved form of switch-hook for supporting telephone-receivers in the usual and well-known manner.

Objects of my invention are the provision of an improved construction and arrangement whereby the entire switch-hook may be constructed from a single sheet-metal blank, the provision of a strong and at the same time light and simple construction of switch-hook, and the provision of certain details and features of improvement tending to increase the general efficiency and serviceability of a device of this particular character.

In the accompanying drawings, Figure 1 is a perspective of a telephone switch-hook embodying the principles of my invention. Fig. 2 is a plan of the sheet-metal blank from which the switch-hook is made. Fig. 3 is a cross-section on line 3 3 in Fig. 2, but showing the blank folded upon itself.

The blank or stamping shown in Fig. 2 is first made in any suitable known or approved manner and out of any suitable material—such, for example, as sheet-brass. The ends *a* are perforated in the manner shown for the purpose of reducing the weight of the switch-hook and giving a neat and ornamental appearance to the switch-hook. After the blank has been made its body portion *b* is then folded longitudinally, as shown in Fig. 3 and as shown more clearly in Fig. 1, thus providing a neck or arm which connects the prongs or end portions *a* with the laterally-bent attaching portion *c*. After the blank or stamping is thus folded longitudinally the prongs or end portions *a* can be spread apart and given the desired curvature or shape, and then the rear end or attaching portion *c* can be bent around so as to extend at a right angle to the body portion *b*. It will be ob-

served that this attaching portion *c* is provided with a couple of screw-holes or bolt-holes or rivet-holes *d*, thus providing for the ready attachment of the hook to the balance of the hook-switch. After the hook has been properly formed in the manner described it is then subjected to a buffing process and then electroplated, and the article is then ready for use.

It is a matter of common knowledge that a metal article made as described is much more easily cleaned and prepared for plating than if made by casting or otherwise. In other words, it will be seen that I provide a telephone switch-hook which is constructed from a single integral sheet-metal blank.

What I claim as my invention is—

1. A telephone switch-hook constructed from a single integral sheet-metal blank bent and folded into shape to provide a neck or body of double thickness, a hook or supporting prongs of single thickness, and attaching means of single thickness.

2. A telephone switch-hook constructed from a blank having a main or body portion *b* adapted to be folded longitudinally, and having end portions *a* adapted to be spread apart to form the prongs of the completed switch-hook, together with a rear portion *c* adapted to be bent laterally to provide the switch-hook with a laterally-projecting attaching portion.

3. A telephone switch-hook constructed from a single integral piece of sheet metal folded longitudinally to provide a neck or arm portion, and bent or spread apart at its forward end for the purpose of providing the switch-hook with two prongs, and having a perforated rear and laterally-extending attaching portion.

4. As an article of manufacture, a sheet-metal blank adapted to be converted into a telephone switch-hook, said blank having a body portion adapted to be folded longitudinally upon itself, and having end portions adapted to be spread apart and curved suitably to provide the completed switch-hook with prongs, together with a perforated por-

tion adapted to be bent at a right angle to form an attaching portion for the completed switch-hook.

5 5. As an article of manufacture, a telephone switch-hook comprising a neck or body portion *b* consisting of sheet metal folded longitudinally upon itself, end portions *a* integral with the said portion *b* and constituting prongs for the switch-hook, to-

gether with an attaching portion *c* integral with one layer of the said portion *b* and provided with screw or rivet holes *d*.

Signed by me at Chicago, Cook county, Illinois, this 21st day of November, 1905.

HARRY J. GUTTMAN.

Witnesses:

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R. H. BURFEIND.