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A. SAMSKY ET AL

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SHOULDER SUPPORT FOR TELEPHONE HAND SETS

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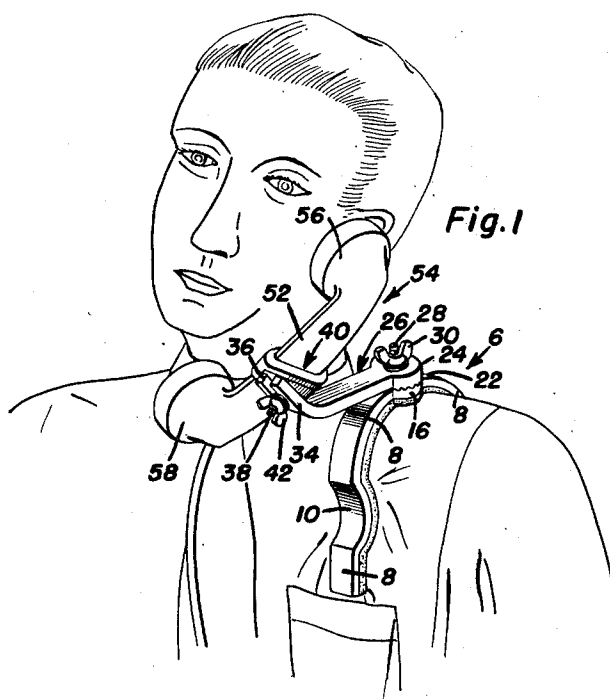


Fig. 1

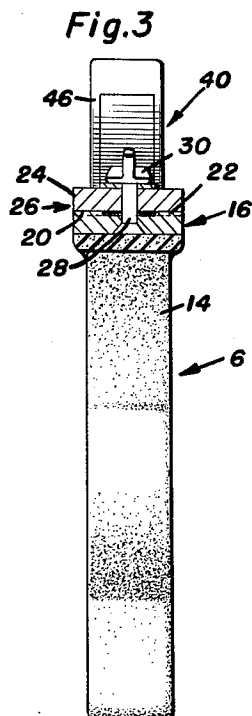


Fig. 3

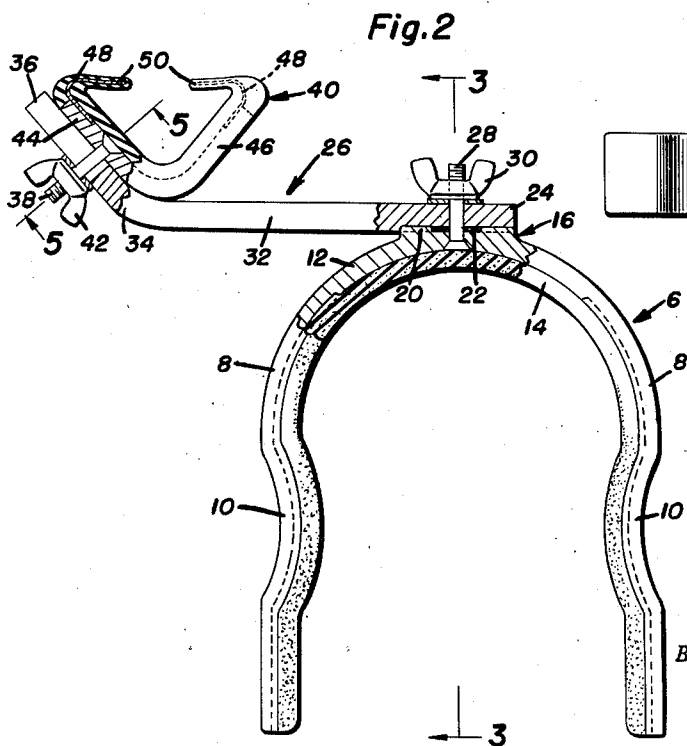


Fig. 2

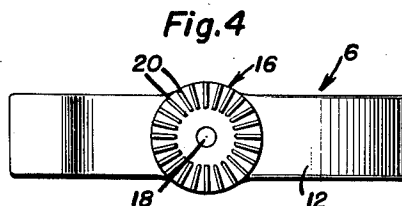


Fig. 4

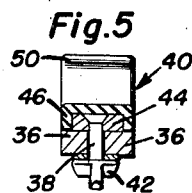


Fig. 5

Abraham Samsky
Esther A. Samsky
INVENTORS.

BY *Almonce A. O'Brien*
and *Harvey B. Jacobson*
Attorneys

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SHOULDER SUPPORT FOR TELEPHONE
HAND SETSAbraham Samsky and Esther A. Samsky,
Detroit, Mich.

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2 Claims. (Cl. 179-157)

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The present invention relates to certain new and useful improvements in shoulder support means for a telephone hand set of the dual purpose type having handle means with a transmitter at one end and a receiver at the opposite end and the obvious object of the invention is to provide a shoulder support having a novel arrangement of cooperating facilities which combine in providing a structural adaptation which more aptly fulfills the requirements and needs of industrious user.

It is well-known that many and varied forms of prior art hand set holders have been devised and used by others. These have met with varying degrees of success although there seems to be no prior holder which has met with widespread adoption and use. Therefore, it is another object of the invention to structurally, functionally and otherwise improve upon similarly performing prior art hand set holders through the medium of a structure which is characterized by highly adaptable refinements and improvements which are destined, it is believed, to aptly conform with the requirements and needs of manufacturers and users alike.

More specifically, it is an object of the invention to provide a shoulder supported holder for a hand set which is unique in that a simple and practical positioning arm is detachably and adjustably connected at one end with the bight portion of an inverted U-shaped conformable shoulder embracing yoke which may be worn for long periods without any discomfort whatsoever to the wearer.

More importantly, the invention has to do with the stated yoke and positioning arm means wherein the outer end of the arm is upwardly inclined at a convenient obtuse angle and is properly constructed to accommodate an intimately functioning adapter cradle in which the hand set is effectively saddled and nicely held in place, whereby to insure that the hand set may assume a highly convenient position, allowing the wearer freedom of use of both hands for taking notes, typewriting or performing other chores attending the needs of the telephone conversation at hand.

Then, too, novelty is predicated upon shoulder supported arm means wherein the angularly directed outer end is bifurcated and wherein the adapter cradle is V-shaped and provided with resilient retaining fingers and is also provided with bolt and nut means detachably and adjustably connected with the arm means, whereby the nut may be loosened and the cradle de-

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tached to retain its position on the hand set when the latter is replaced in the usual cradle means on the telephone stand, making it possible to pick up the hand piece readily and to place it in position on the arm means, thus relieving the user of having the hand set interfere with work when it is not needed.

Other objects, features and advantages will become more readily apparent from the following description and the accompanying sheet of illustrative drawings.

In the accompanying sheet of drawings wherein like numerals are employed to designate like parts throughout the views:

Figure 1 is a perspective view of the over-all shoulder supported holder showing the manner in which it is constructed and used;

Figure 2 is a view partly in section and partly in elevation showing the complete holder and the details of construction of the parts forming the same;

Figure 3 is a section on the vertical line 3-3 of Figure 2, looking in the direction of the arrows;

Figure 4 is a top plan view of the shoulder embracing yoke with the arms means removed;

Figure 5 is a section on the line 5-5 of Figure 2, looking in the direction of the arrows.

Referring now to Figure 2 in particular the shoulder embracing yoke is denoted by the numeral 6 and as stated it is of general inverted U-shaped form and preferably constructed from commercial plastics of durability and lightness in weight. It includes opposed arm portions 8-8 having curvate bends 10-10. The intermediate or bight portion is denoted at 12. The numeral 14 denotes suitable compressibly resilient rubber or equivalent padding and together the features provide a conformable comfortably fitting shoulder support. The crown portion of the bight 12 is formed with a circular rosette 16 having a center bolt hole 18 and having a flat top provided with radial teeth 20. These teeth serve to accommodate coacting teeth 22 on a correspondingly shaped rosette or head 24 formed on the coacting end of the arm means 26. The teeth inter-mesh and form a gear-type clamp. The clamping action is obtained by a bolt 28 and an associated thumb nut 30 thus providing an adjustable and separable connection between the yoke means 6 and arm means 26.

The arm is of suitable rigid material and includes a linearly straight portion 32 and an obtuse angle outer end portion 34 which is bifurcated to provide spaced bifurcations 36. These

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serve to accommodate the shank of the bolt 38 which detachably and adjustably secures the adapter cradle 40 in place. The bolt is provided with a thumb nut 42, as shown. The cradle is substantially V-shaped and includes a rigid member 44 of V-shaped form which carries the bolt and which is covered with rubber or other cushioning or buffing material 46. The numerals 48—48 denote suitably shaped spring clips which together with the rubber covering tips provide resilient opposed inturned gripping fingers 50—50. These fingers obviously serve to satisfactorily saddle and clamp the hand set removably in the seat or crotch portion of the adapter cradle. The latter part is bodily detachable and remains in position on the handle portion 52 of the hand set 54, the latter including the usual receiver 56 at one end and transmitter 58 at the opposite end.

The arm means 26 is detachable and adjustable and may be positioned relative to the shoulder gripping yoke 6 to assume the most desirable and advantageous position. Likewise, the adapter cradle 40 is adjustable from right to left along the angularly disposed end portion 34 of the arm means and it is also rotatable about the pivot provided by the bolt 38 fitting between the furcations or bifurcations 36. What with these several cooperating components 6, 26 and 40 an over-all holder is had which is highly adaptable, practical, efficient, economical and otherwise capable of fulfilling the needs of busy users.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Minor changes in the shape, size and arrangement of details coming within the field of invention claimed may be resorted to in actual practice, if desired.

Having described the invention, what is claimed as new is:

1. Support means for a telephone hand set wherein the hands of the user are free comprising a rigid linearly straight set positioning arm having one end upwardly inclined at an

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oblique angle, said end being bifurcated and providing furcations, an inverted U-shaped shoulder embracing yoke including a substantially rigid bight portion and resilient limb portions adapted to embrace the parts of the wearer, an adapter cradle designed to releasably engage the handle portion of the hand set, a bolt fixed to and projecting laterally from one of the end portions of said cradle, said bolt being adapted to fit between said furcations and being provided with a clamping nut whereby said cradle is detachably connected with said laterally directed ends.

2. A telephone hand set holder comprising an inverted U-shaped shoulder embracing yoke having a substantially rigid bight portion and resilient limb portions, a rigid arm having a linearly straight portion with one end superimposed on the crown of said bight portion, bolt and nut means affording a separable and adjustable connection between said arm and said bight portion, the outer end of said arm being bent obliquely in an upward direction and bifurcated and providing a pair of furcations and an adapter cradle, said cradle being substantially V-shaped and providing diverging portions one of which is superimposed against said furcations, said one end being provided with a lateral bolt and said bolt passing through the space between the furcations and being provided with a clamping nut, and the free ends of the diverging portions of said yoke having oppositely aligned gripping fingers and said gripping fingers being resilient.

ABRAHAM SAMSKY.

ESTHER A. SAMSKY.

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