No. 739,202. PATENTED SEPT. 15, 1903.

E. J. MURPHY.

ADJUSTABLE BRACKET FOR TELEPHONES.

APPLICATION FILED AUG. 23, 1902.

NO MODEL.

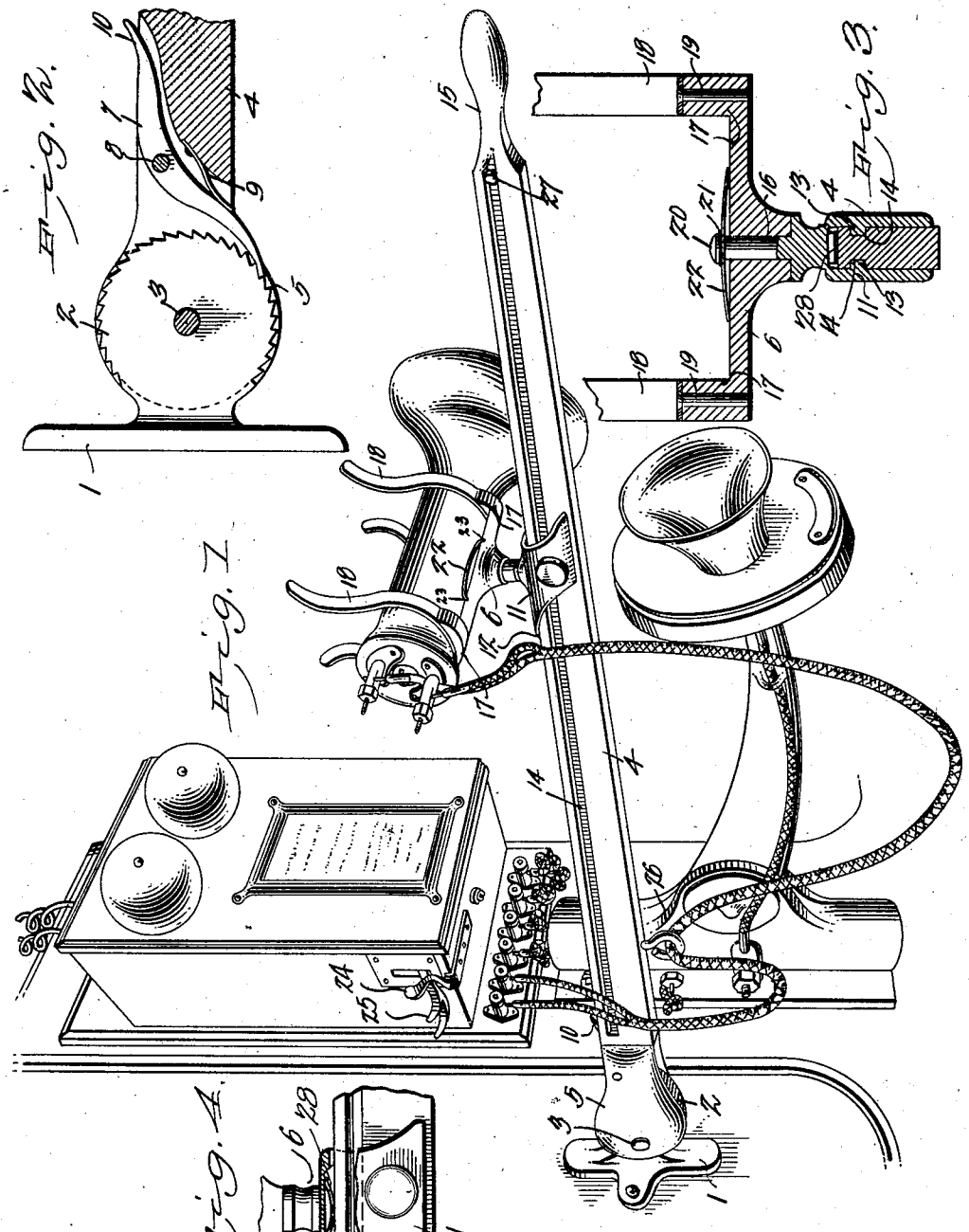


Fig. 2.

Fig. 3.

Fig. 1.

Fig. 4.

Witnesses
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No. 739,202. Patented September 15, 1903.

UNITED STATES PATENT OFFICE.

EVERETT J. MURPHY, OF CRANDULL, TENNESSEE.

ADJUSTABLE BRACKET FOR TELEPHONES.

SPECIFICATION forming part of Letters Patent No. 739,202, dated September 15, 1903.

Application filed August 23, 1902. Serial No. 120,849. (No model.)

To all whom it may concern:

Be it known that I, EVERETT J. MURPHY, a citizen of the United States, residing at Crandull, in the county of Johnson and State of Tennessee, have invented a new and useful Adjustable Bracket for Telephones, of which the following is a specification.

The invention relates to an adjustable bracket for telephones.

The object of the present invention is to provide a simple, inexpensive, and efficient bracket designed to be mounted on a wall or other suitable support adjacent to a telephone and adapted to receive and support the receiver of a telephone in position adjacent to the ear of the person receiving the message, to avoid holding the receiver to the ear by hand, whereby both hands of the person will be entirely free for taking down notes and the like.

A further object of the invention is to provide an adjustable bracket of this character capable of being readily swung upward and downward to arrange the receiver at the desired elevation and adapted also to permit the receiver to be moved inward and outward.

Furthermore, the invention has for its object to provide a bracket adapted to removably support a telephone-receiver while the telephone is in use and capable of being arranged out of the way when the telephone is not in use.

The invention consists in the construction and novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a telephone-bracket constructed in accordance with this invention. Fig. 2 is a detail sectional view illustrating the manner of securing the bracket-arm in its adjusted position. Fig. 3 is a transverse sectional view illustrating the manner of mounting the slide on the bracket-arm. Fig. 4 is a detail view illustrating the construction of the slide.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a plate provided with suitable perforations for the reception of fastening devices for securing it to a wall or other suitable support and provided with a circular flange 2, extending outward from the center of the plate and provided at its periphery with teeth to form a ratchet-wheel. The flange 2 is arranged vertically and is provided with a central perforation for the reception of a pivot 3, which also passes through the inner end of an arm or bar 4. The arm or bar 4 has its inner end 5 bifurcated or slotted to receive the fixed ratchet flange or wheel, and it is adapted to swing upward and downward on the pivot 3 to arrange an adjustable support 6 at the desired elevation. The bracket arm or bar is secured in its adjusted position by a spring-actuated pawl or dog 7, pivoted between its ends by a pin 8 and arranged at an inclination, as clearly shown in Fig. 2. The lower arm is engaged by a spring 9, which holds the pawl or dog in engagement with the ratchet of the plate, and the upper arm 10 extends slightly above the arm or bar 4 and is adapted to be engaged by a slide 11, upon which the adjustable support 6 is mounted. The slide 11 consists of a sleeve or cuff provided at its inner end with a projecting finger 12, beveled, as clearly shown in Fig. 4, and adapted to engage under the upper arm 10 of the pawl or dog and throw the lower arm out of engagement with the ratchet to free the arm or bar 4 to permit the same to swing upward and downward. As soon as the slide is withdrawn from engagement with the pawl or dog the latter will be automatically thrown into engagement with the ratchet by the spring 9, which has one end secured to the arm or bar 4, as clearly shown in Fig. 2. The slide, which is approximately inverted-U shaped, saddles the arm or bar 4 and is provided at the inner faces of its sides with opposite ribs 13, which fit in longitudinal grooves 14 of the side faces of the arm or bar 4. By this construction the slide is interlocked with the adjustable arm or bar and cannot become disengaged therefrom unless it be drawn outward beyond the outer ends of the grooves 14. The arm or bar is provided at its outer end with a suitable grip or handle 15 to enable it to be readily adjusted.

The slide is provided with a spindle or pivot 16 for the reception of the support 6, which consists of a bar or piece having a central per-

foration to receive the pivot 16 and provided with end enlargements or arms 17, having concave upper faces and receiving a pair of resilient clamps 18. The clamps 18 are centrally secured to the concave faces of the support by rivets 19 or other suitable fastening devices, and they are approximately U-shaped, being adapted to engage and support the receiver of a telephone, as clearly illustrated in Fig. 1 of the drawings. The pivot 16 is provided at its upper end with a head 20, and a washer 21 is interposed between the same and a spring 22. The spring 22, which is bowed, is provided with a central perforation for the reception of the pivot, and it extends from opposite sides of the same and is provided at its ends with lugs 23, arranged in pairs and adapted to engage the side faces of the support, whereby it is prevented from being accidentally turned out of engagement with the same. The spring 22 creates sufficient friction to hold the support at any angle to the arms or in alinement with the same. The bracket-arm when not in use may be swung upward to an upright position approximately parallel with the wall or other support, and the receiver may be allowed to remain on the arm, and when this is done a pivoted hook 24 is arranged adjacent to the hook or switch 25 of the telephone for locking the latter in its lowered position. The pivoted hook may be mounted in any desired manner, and the receiver of the telephone can be hung on the switch or hook of the telephone in the usual manner, if desired. The arm 4 of the bracket is provided with a suitable eye 26 to support the flexible connection between the receiver and the telephone. A suitable pin 27 may be arranged at the outer ends of the longitudinal grooves 14 to prevent the slide from becoming accidentally disengaged from the arm of the bracket.

While friction incident to the weight of the slidable support may be relied on to prevent the same from accidentally slipping on the arm, a friction-spring 28, such as is illustrated in Fig. 4 of the drawings, may be employed. The spring 28, which is bowed, is seated in a recess 29 of the slide 11; but any other form of spring or friction device may be used for this purpose. Instead of slidably interlocking the cuff or slide 11 with the arm by means of grooves of the latter the arm may be provided with ribs for engaging grooves of the sides of the cuff or slide.

It will be seen that the device is exceedingly simple and inexpensive in construction, that it is adapted to be readily mounted adjacent to a telephone, that it is capable of ready adjustment to arrange the receiver of a telephone in position adjacent to the ear of a person, and that it is adapted to hold the same in such position while the person is receiving a message whereby both hands of the operator will be free, thereby greatly facilitating the taking down of a message.

What I claim is—

1. A device of the class described comprising a bracket-plate having a fixed ratchet and provided with a pivoted arm, a pawl or dog mounted on the arm and engaging the ratchet, and means carried by the arm for adjustably supporting the receiver of a telephone and for throwing the dog or pawl out of engagement with the fixed ratchet, substantially as described.

2. A device of the class described comprising a bracket having a fixed ratchet and provided with a pivoted arm, a pawl or dog mounted on the arm for engaging the ratchet, and means mounted on the arm and movable longitudinally thereof for throwing the pawl or dog out of such engagement, substantially as described.

3. A device of the class described comprising a plate having a circular ratchet-flange, a bifurcated arm receiving the flange and pivoted to the same, a spring-actuated dog mounted in the bifurcation of the arm and engaging the flange and extending beyond the arm, and a support slidable on the arm and provided with means for engaging the projecting portion of the pawl or dog for releasing the same, substantially as described.

4. A device of the class described comprising a bracket having a pivoted arm, a locking device mounted on the arm for securing it in its adjusted position, and a support slidable on the arm and provided with means for engaging and releasing the locking device, substantially as described.

5. A device of the class described comprising a bracket having a fixed ratchet and provided with a movable arm, a dog or pawl mounted on the arm and engaging the ratchet, a slide straddling the arm and interlocked therewith and movable longitudinally thereof, and a support movably mounted on the slide and located above the movable arm and provided with means for holding a telephone-receiver, said slide having means for throwing the dog out of engagement with the ratchet, substantially as described.

6. A device of the class described comprising a movable arm, a pivoted support slidably interlocked with the arm at opposite sides thereof, and means for preventing the support from slipping on the arm, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

E. J. MURPHY.

Witnesses:
T. M. PAINTER,
JAMES FAULKNER, Jr.