

No. 741,382.

PATENTED OCT. 13, 1903.

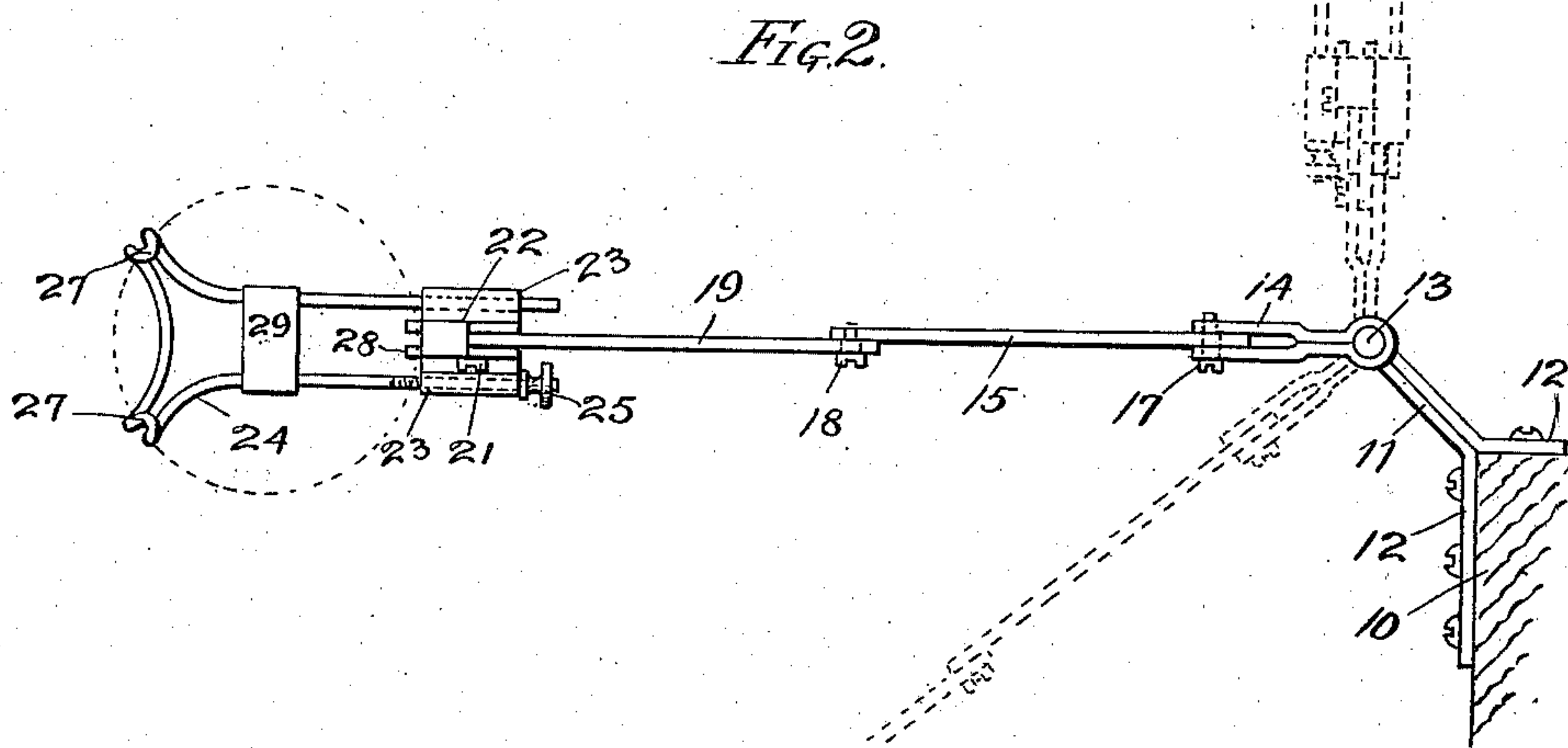
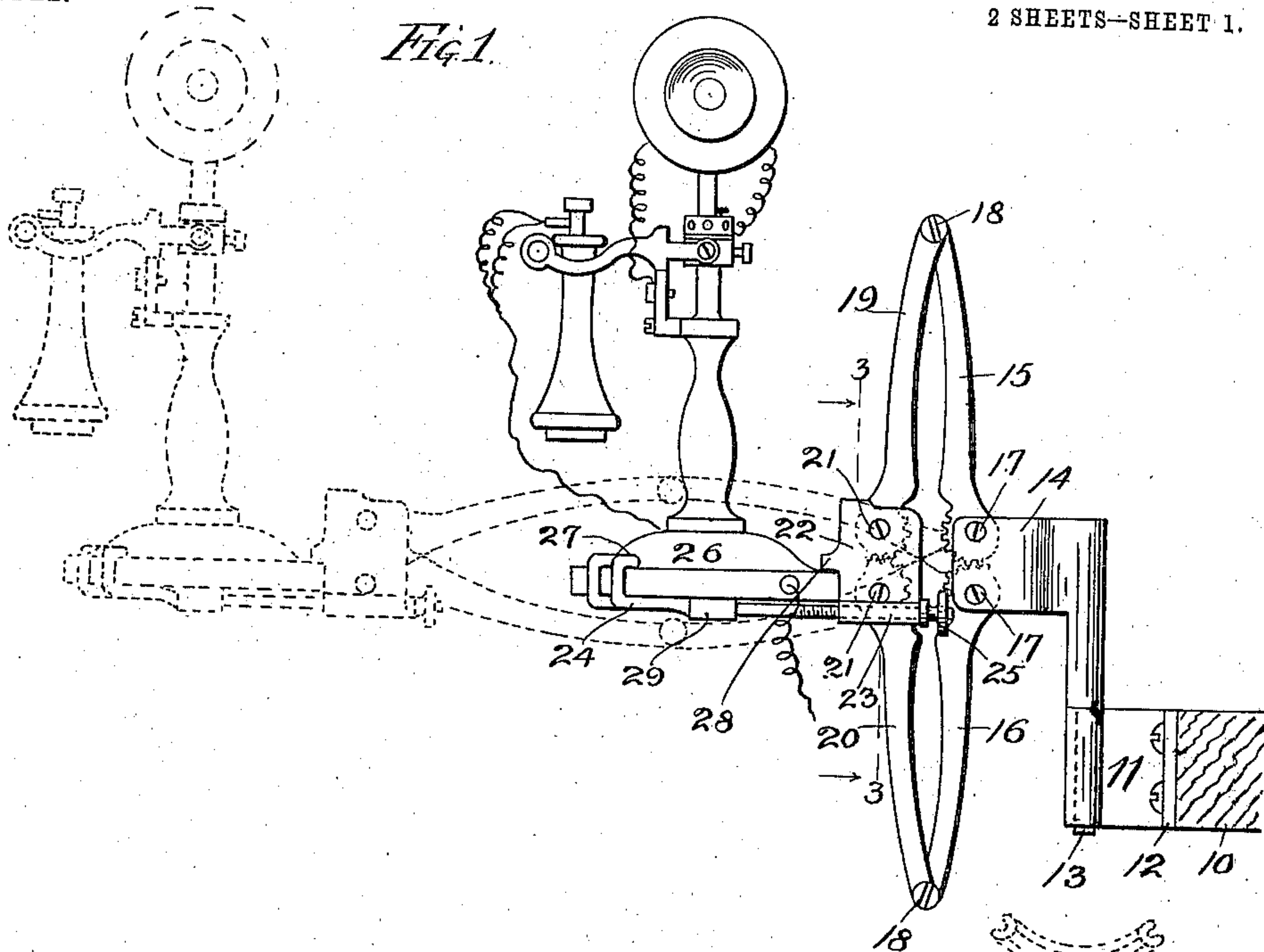
S. J. SEIFRIED.

FOLDING BRACKET FOR TELEPHONES, &c.

APPLICATION FILED MAR. 24, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

F. B. Townsend
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INVENTOR

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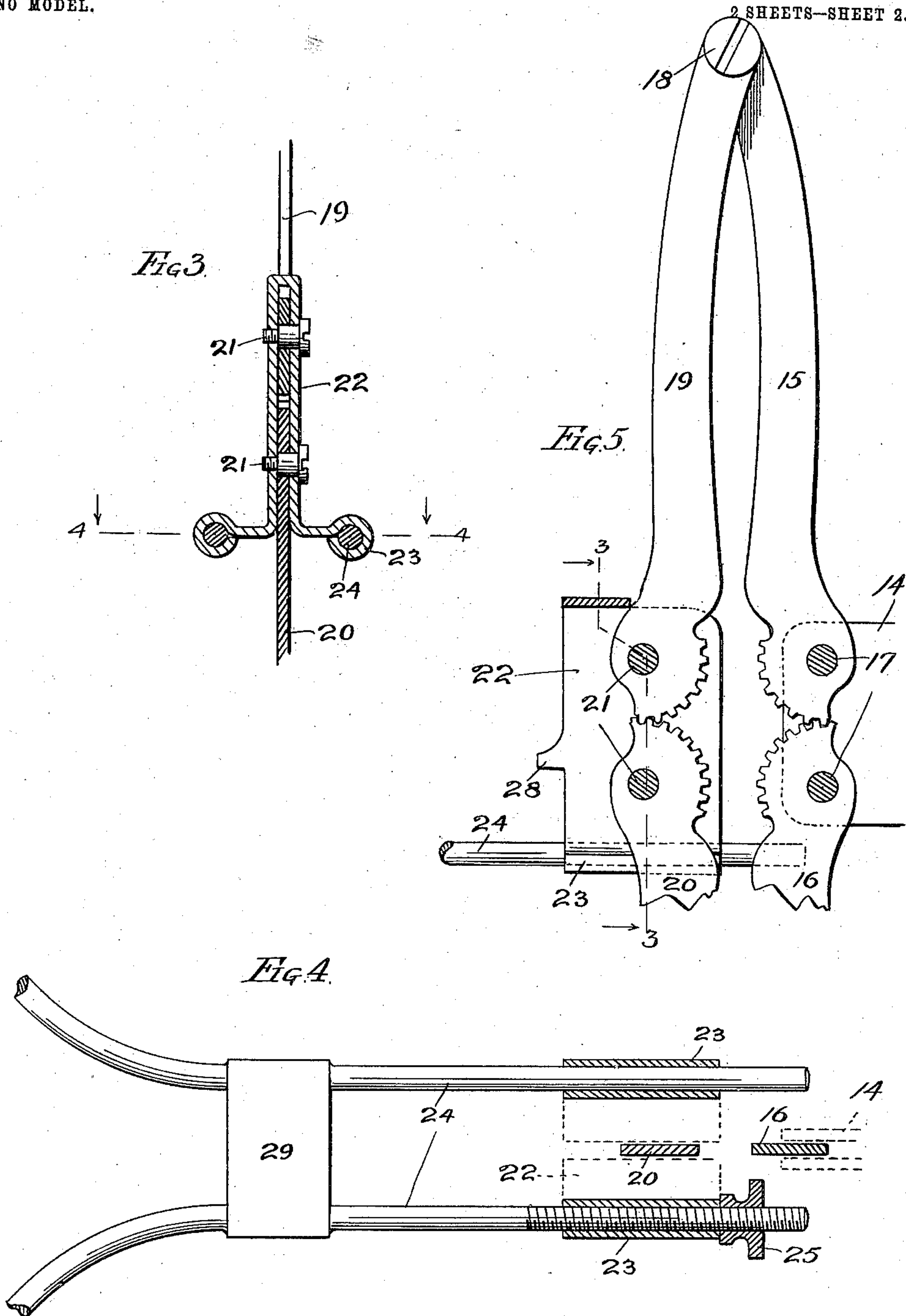
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UNITED STATES PATENT OFFICE.

SAMUEL J. SEIFRIED, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE CHICAGO WRITING MACHINE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

FOLDING BRACKET FOR TELEPHONES, &c.

SPECIFICATION forming part of Letters Patent No. 741,382, dated October 13, 1903.

Application filed March 24, 1902. Serial No. 99,768. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL J. SEIFRIED, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Folding Brackets for Telephones, &c., of which the following is a specification.

This invention relates to the construction of extensible brackets for supporting telephones, lamps, tables, or other objects, and its object has been to provide a construction which will not only support the telephone or other object firmly, but which will be smooth and free from jerkiness in folding and extending, will preserve its horizontality in all positions—folded, extended, and intermediate—and remain stationary in any position in which it may be left by the user.

The invention consists in the combination, with the arm or device by which the bracket is attached to a wall or article of furniture and means for holding the telephone or other object with which the bracket is used, of connections between such attaching means and said holding means consisting of folding toggles the members whereof have intermeshing gear-teeth on their proximate ends, insuring uniformity of movement between the toggles.

The invention further consists in the novel features of construction and novel combinations of parts and devices hereinafter described.

The accompanying drawings show at Figure 1 an elevation, and at Fig. 2 a plan of the invention. Fig. 3 is a section on the line 3 3 of Figs. 1 and 5. Fig. 4 is a section on the line 4 4 of Fig. 3, and Fig. 5 is an enlarged sectional view of the toggles.

In said drawings, 10 represents a piece of furniture—such as a desk, table, or musical instrument—to which the invention is secured by any suitable means or it may represent the wall of a building. As shown, the invention is attached to a corner by an arm 11, having right-angle leaves or extensions 12, through which the attaching-screws are passed. The arm 11 carries a vertical pivot 13, and upon this pivot the base 14, which is provided with a corresponding vertical socket,

is placed. The members 15 and 16 of the toggles are both pivoted in the base 14 by pivots 17. They are also pivoted at 18 to the other members, 19 and 20, of the toggles, and members 19 and 20 are pivoted at 21 between vertical plates forming the head 22, having their lower edges bent over, so as to form parallel horizontal sockets 23, in which the ends of the supporting wire frame 24 may be inserted and in which the ends will be confined by the nut 25, threaded on one of the frame ends. The frame 24 is bent to make it fit the object to be supported by it, and the one illustrated is adapted to receive the stand 26 of a telephone, being provided with ears 27, setting over the base of the stand, and the plates of head 22 being also provided with overhanging projections 28, also adapted to set over the stand. The ends of the frame are preferably united by a brace 29. The toggles are not independent of each other, as in ordinary constructions, but instead of being independent I provide them with means whereby they are compelled to lengthen and contract uniformly, thus obviating any danger of one contracting or lengthening more than the other. These means consist of intermeshing segment-gears formed on or attached to the ends of the members, which are pivoted to the base and head. These gears are very clearly shown at Fig. 5, and through them the horizontality of the frame 24 is perfectly preserved. The movements in folding and unfolding are easy and free from jerkiness. The device will remain stationary in intermediate positions, as well as when completely folded or completely extended, and all possibility of unequal shortening or lengthening by the toggles is prevented.

The bracket is adapted to be opened and closed easily by hand, and the importance of providing the toggles with some means of insuring uniformity in their movements will be apparent, because without such means the toggles would be very apt to act unevenly.

The invention is not limited to any particular length of toggle members nor to the use of a single pair of toggles nor to oppositely-folding toggles.

The frame 24, it will be noticed, is adjust-

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able to and from the head 22 by means of the nut 25, so that it is readily adapted to clamp objects of different sizes.

The invention has been devised with special reference to the avoidance of the use of cast metal, and hence the arm 11, the base 14, the toggle members, and the head 22 are all stamped from sheet metal, and the frame 24 is formed of wire bent into shape, substantially as specified.

The pivots by which the toggles are secured to the base 14 are arranged in proximity, so that the intermeshing gears need not be made large, and the same is true of the pivots by which they are attached to the head. It will be noticed that the toggles are so arranged that their joints 18 will always be in the same plane in all positions of the bracket. The toggles are arranged one above the other, thereby giving the bracket great rigidity and enabling it to support the telephone or other object without sagging.

I claim—

1. A horizontally-extensible bracket adapted to be attached to a support at one end and to carry a telephone, lamp, &c., at the other end, and embodying two cooperating folding toggles arranged opposite to each other and provided with intermeshing gears at their ends, substantially as specified.

2. A horizontally-extensible bracket adapted to be attached to a support at one end and to carry a telephone, lamp, &c., at the other end, and embodying two cooperating folding toggles arranged opposite each other, with their center joints in the same vertical plane, the corresponding ends of the toggles being pivoted close together and provided with intermeshing gears, substantially as specified.

3. The extensible bracket or support embodying a head for the lamp, telephone, &c., a base to which the bracket is secured, and two oppositely-arranged, folding toggles pivotally attached at their ends to both the head and the base, and also provided with intermeshing gears at their ends, substantially as specified.

4. The extensible bracket or support embodying a head for the lamp, telephone, &c., a base to which the bracket is secured, and two oppositely-arranged folding toggles pivotally attached at their ends to both the head and the base, and also provided with intermeshing gears at their ends, the gears being

concentric of the pivots by which the toggles are attached to the head and base, substantially as specified.

5. The extensible bracket or support embodying two cooperating oppositely-arranged folding toggles geared together at their ends and having the members of each toggle pivoted directly together at 18, substantially as specified.

6. The extensible bracket or support embodying two folding toggles geared together at their ends, and having the members of both toggles pivoted together at 18, the toggles being oppositely arranged and so their joints 18 are in the same plane in all positions of the bracket, substantially as specified.

7. The bracket wherein are combined a frame 24 for supporting the telephone made of wire with its ends forming parallel limbs and having one of its limbs threaded, and a head having horizontal sockets receiving the limbs of the frame, and a nut on said threaded limb setting against the head and regulating the position of the frame in the head, substantially as specified.

8. The extensible bracket for supporting telephones, consisting of arm 11, base 14, two toggles, the members of which are geared together, and head 22, all constructed of sheet metal, and a frame 24 made of wire, substantially as specified.

9. The extensible bracket consisting of a head adapted to carry the telephone, lamp, &c., a base by which the bracket is secured to the wall or furniture, and two toggles arranged one above the other, and pivoted at their ends to the head and to the base, said toggles being provided with means for securing uniformity in their contracting and lengthening, substantially as specified.

10. The extensible bracket consisting of a head adapted to carry the telephone, lamp, &c., a base by which the bracket is secured to the wall or furniture, and two toggles arranged opposite one another and pivoted at their ends to the head and base, said toggles being provided with means for securing uniformity in their contracting and lengthening, substantially as specified.

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