

L. STEINBERGER.
RECEIVER CASING.
APPLICATION FILED MAY 25, 1910.

988,906.

Patented Apr. 4, 1911.

Fig. 1.

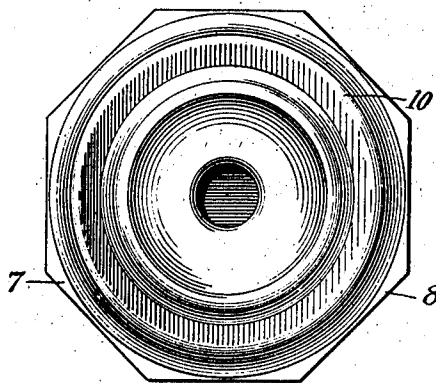


Fig. 2.

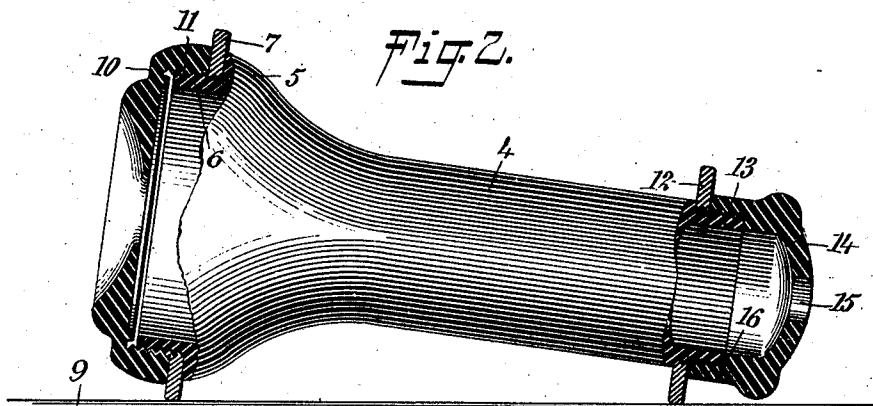
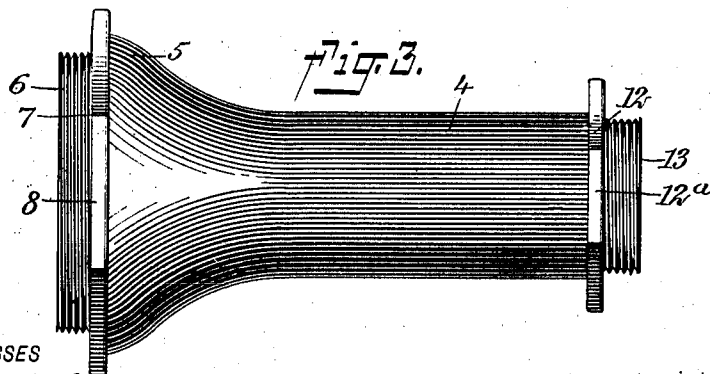


Fig. 3.



WITNESSES

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RECEIVER-CASING.

988,906.

Specification of Letters Patent.

Patented Apr. 4, 1911.

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To all whom it may concern:

Be it known that I, LOUIS STEINBERGER, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Receiver-Casing, of which the following is a full, clear, and exact description.

My invention relates to receiver casings and parts immediately associated therewith, my more particular purposes being as follows: 1. To provide the receiver casing with a supporting member disposed intermediate the body portion of the casing and the cap, for the purpose of protecting both of these parts as hereinafter described, and of supporting the same out of immediate engagement with a surface sustaining the weight of the receiver. 2. To provide the end of the receiver casing opposite the cap with a supporting member, having nearly the same relation to the end of the casing upon which it is mounted that the supporting member first mentioned has to the other end of the casing. 3. To render the supporting members readily detachable from the casing. 4. To provide the supporting members with threads disposed internally thereof for the purpose of securing such members more firmly in position upon the casing. 5. To provide the supporting members with facets disposed externally thereof in order to prevent the receiver from rolling upon a supporting surface. 6. To bring the two supporting members into such relative position that their facets are as near parallel with each other as practicable, in order to give the receiver positiveness of position when resting upon a supporting surface. 7. To provide the receiver casing with a supporting and strengthening portion extending beyond the general surface of the casing. 8. To provide the receiver casing with a plurality of supporting and strengthening portions extending beyond the general surface of the casing. 9. To provide the supporting and strengthening portion with means for preventing the receiver casing from rolling when resting upon a flat surface. 10. To provide the receiver casing with a supporting portion extending at right angles to the general direction of the casing, and adapted to rest upon the switch hook, thereby preventing the hook from marring the casing. Reference is to be had to the accompanying drawings forming a part of this speci-

fication, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is an end elevation of the receiver complete, showing the larger of the two annular supporting members, this larger member being provided with facets for supporting the weight of the receiver; Fig. 2 is a view partly in elevation and partly in section, showing the receiver casing equipped at each of its ends with a separate supporting member having the construction hereinafter described; and Fig. 3 is a side elevation showing the body portion of the casing provided at its ends with the supporting members held thereupon by their threads.

The body portion 4 is provided with an enlargement 5, the latter having a reduced portion 6 provided externally with a thread. The annular supporting member 7, made preferably of fiber so as to afford both insulation and resilience, is threaded internally and fitted upon the reduced portion 6. This annular supporting member is provided externally with facets 8 for engaging any surface 9 upon which it may be desirable to support the receiver. A cap 10 is provided internally with a thread 11, and adapted to fit upon the reduced portion 6. The supporting member 7 is thus held in position partly by the action of its own thread (see Fig. 3), and partly by the pressure of the cap 10. At the opposite end of the body portion 4, another annular supporting member 12, smaller than the member 7, is placed. This member 12 is provided with facets 12^a and is threaded internally; it is also fitted upon a reduced portion 13, the latter being threaded. An end piece 14 is provided with a central opening 15, and with a shoulder 16, the latter being adapted to engage the end of the reduced portion 13. The end piece 14 is threaded internally so as to fit upon the reduced portion 13. This construction enables the end piece to grip the supporting member 12 firmly in position, and to hold it by a clamping grip independently of the tendency of the supporting member 12 to hold itself by its own threads upon the reduced portion 13.

I so arrange the threads of the ends of the body portion 4 that when the supporting members are screwed up tight, as indicated in Fig. 3, the facet 8 of the member 7 is parallel with the facet 12^a of the supporting member 12. This prevents undue

rolling of the receiver casing or of the receiver when resting upon the surface 9.

A receiver casing constructed according to my invention herein described is much stronger than those usually employed. It cannot roll off from a desk or other surface upon which it may rest, and is not liable to injury or destruction from jarring or knocking due to the swinging of the receiver and the striking of the same against adjoining surfaces.

I do not limit myself to the particular construction or form of any or all of the parts herein shown and described or to any particular combination of the several parts. Neither do I limit myself to employ in every instance, a detachable strengthening and supporting portion, nor to the use of a resilient material or insulating material to be employed in the construction of the strengthening and supporting portion, as it will be evident to those skilled in the art that changes in construction, form and arrangement of the parts may be resorted to without departing from the spirit or scope of my invention.

Having thus described my invention, I claim as new and desire to secure by Letters Patent,—

1. A receiver casing comprising a body portion having an enlargement, said enlargement being provided with a reduced portion, an annular supporting member engaging said enlargement and encircling said reduced portion, and a cap mounted upon said reduced portion for confining said supporting member.

2. A receiver casing comprising a body member provided with a reduced portion having a thread, an annular supporting member encircling said reduced portion and having a thread mating said first mentioned thread, and a cap provided with a thread and fitting upon said reduced portion for the purpose of confining said supporting member relatively to said body member.

3. A receiver casing comprising a body member provided with a reduced portion, a member of resilient material encircling said reduced portion, and a cap for holding said member of resilient material against said body member.

4. A receiver casing comprising a body member provided with a reduced portion, a member of insulating material encircling said reduced portion, and a cap for pressing said member of insulating material toward said body portion so as to clamp said member of insulating material therebetween.

5. A receiver casing comprising a body member provided with reduced ends, separate annular supporting members mounted upon said body member and encircling said ends, a cap for securing one of said supporting members relatively to the adjacent

end of said body member, and an end piece for securing the other of said annular supporting members relatively to the end of the receiver adjacent thereto.

6. A receiver casing comprising a body member provided with a reduced portion, an annular supporting member encircling said reduced portion, and an end piece fitted upon said reduced portion and engaging said annular supporting member.

7. A receiver casing comprising a body member provided with a reduced threaded portion, and an annular member threaded internally and mounted upon said reduced threaded portion, said annular member being provided with facets.

8. A receiver casing comprising a body member provided with a reduced portion threaded externally, and an annular supporting member threaded internally and screwed upon said reduced threaded portion, said annular supporting member having a surface for engaging outside objects.

9. A receiver casing comprising a body member provided with a reduced portion threaded externally, an annular supporting member threaded internally and screwed upon said reduced threaded portion, said annular supporting member having a surface for engaging outside objects, and a cap threaded internally and detachably engaging said threaded portion.

10. A receiver casing comprising a body member provided with a reduced portion having a thread, a shoulder adjacent to said reduced portion, and an annular protective member having a thread mating said first-mentioned thread, encircling said reduced portion and engaging said shoulder.

11. A receiver casing, comprising a body member provided with an enlargement and with a reduced portion adjacent to said enlargement, an annular protective member encircling said reduced portion and held thereupon by its own gripping surface, and a cap mounted upon said reduced portion and clamping said protective member against said enlargement.

12. A receiver casing, comprising a body member provided with an enlargement and with a reduced portion adjacent to said enlargement, an annular protective member encircling said reduced portion and lodged against said enlargement, and a cap mounted upon said reduced portion and in engagement with said annular protective member.

13. A receiver casing comprising a body member provided with a reduced portion and with a shoulder adjacent to said reduced portion, a separate ring-like member secured to said body member and engaging said shoulder said reduced portion of said body member extending through said ring-like member and being provided with means for retaining a cap for said body member.

14. A receiver casing, comprising a body member provided with a plurality of reduced portions and with a shoulder adjacent to each of said reduced portions, separate ring-like members secured to said body member and each engaging one of said shoulders, each of said reduced portions extending through one of said ring-like members, each of said reduced portions being provided with means for retaining an end member on said body member.

15. A receiver casing, comprising a body member provided with a reduced portion and with a shoulder adjacent to said reduced portion, a separate ring-like member secured to said body member and engaging said shoulder; said reduced portion of said body member extending through said ring-like member.

16. As an article of manufacture, a casing for telephone receivers, comprising a body member provided with a reduced portion, a separate ring-like member secured to said body member, said reduced portion of said body member extending through said ring-like member and being provided with means for retaining an end member for said body member.

17. As an article of manufacture, a re-

ceiver casing for telephones, comprising a body member, a separate ring-like member secured to said body member, a portion of said body member extending through said ring-like member, said portion being provided with means for retaining an end member for said body member.

18. A casing for telephone receivers comprising a body having a separate ring-like protective member adjacent to an end of the said body, a portion of the body extending through the ring-like member, and the said extending portion being adapted to receive a cap for the said body.

19. A casing for telephone receivers comprising a body having a separate ring-like protective member adjacent to each end of said body, a portion of the body at each end extending through the adjacent ring-like member, and the said extending portions being adapted to receive caps for the respective ends of the body.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOUIS STEINBERGER.

Witnesses:

A. H. DAVIS,

PHILIP D. ROLLHAUS.