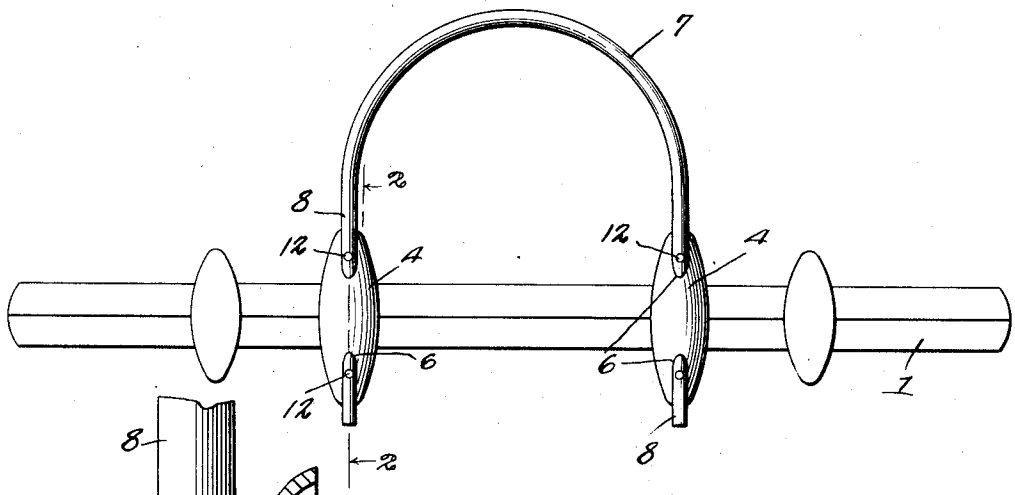
June 11, 1940. K. L. DORMAN 2,203,985

RADIO ANTENNA

Filed May 25, 1939

Fig. 1.



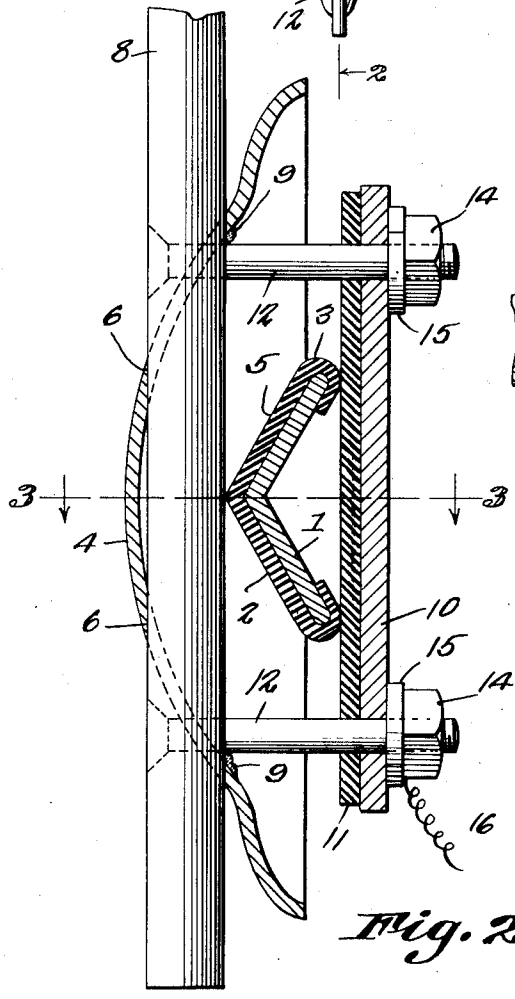


Fig. 2.

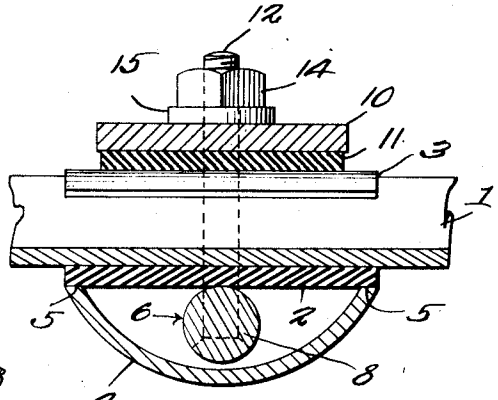


Fig. 3.

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RADIO ANTENNA

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Application May 25, 1939, Serial No. 275,753

5 Claims. (Cl. 250—33)

This invention aims to provide a radio antenna of novel form, together with novel means for mounting it on the bumper of an automobile, the antenna being so constructed that it will serve as a guard for the radiator of an automobile, whereof the bumper constitutes a part. Another object of the invention is to provide novel means for insulating the antenna. A further object of the invention is to provide a device of the class described which may be mounted readily on cars of different constructions, without working any changes in those constructions, or making machanical alterations therein.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the present invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawing:

Fig. 1 shows in front elevation, a device constructed in accordance with the invention, mounted on the bumper of an auto;

Fig. 2 is a section on the line 2—2 of Fig. 1;

Fig. 3 is a section on the line 3—3 of Fig. 2.

The numeral 1 marks a support, such as the bumper of an automobile, the support sometimes being V-shaped in vertical transverse section, as Fig. 2 will show. At horizontally spaced places on the support 1, insulating strips 2, made of rubber or the like, are disposed against the forward surface of the support 1, the strips having hook-shaped tongues 3, which engage over the upper and lower edges of the support 1, and extend along the rear surface of the support.

Transversely spaced, vertically elongated, concavo-convexed first clamp jaws 4 are provided, and are supplied in their rear edges with notches or seats 5, which receive the support 1, and the insulating strips 2 thereon. The first clamp jaws 4 have vertically spaced openings 6. An arched antenna member 7 is provided and includes legs 8, extended through the openings 6 in the first clamp jaws 4. The first clamp jaws 4 may be secured to the legs 8 of the antenna 7 by spot welding 9, or otherwise.

Second clamp jaws 10 are provided and are located behind the support or bumper 1. Insulating pieces 11 are disposed against the forward surfaces of the jaws 10, and the insulating pieces engage the hook-shaped tongues 3 of the insulating strips 2. The insulating strips 2 also engage the legs 8 of the antenna 7, as disclosed in Fig. 2 of the drawing.

Headed tightening devices 12, such as bolts, are detachably seated in the legs 8 of the metal antenna 7 and extend backwardly through the openings 6 in the first clamp members 4. The tightening devices 12 pass through the insulating pieces 11 and through the second jaws 10. Nuts 14 are threaded on the bolts 12, and lock washers 15 are interposed between the nuts 14 and the second jaws 10. One of the bolts 12 and associated parts constitute a binding post for a lead-in conductor 16.

The construction of the device is such that it may be mounted easily and quickly on bumpers of different constructions, it being unnecessary to bore holes in any part of the car, or alter it otherwise. Ample provision is made against grounding the antenna 7. The device adds to the attractive appearance of a motor car, and the antenna 7 constitutes a guard for the radiator (not shown) of the car.

Having thus described the invention, what is claimed is:

1. In a radio receiving means, a first concavo-convexed clamp jaw having openings, an antenna member extended through the openings, a second clamp jaw, and tightening devices connecting the jaws and extended through said openings.

2. A radio receiving means, constructed as set forth in claim 1, and wherein the first clamp jaw is provided in its rear edge with seats, a support received in the seats, and insulating material interposed between the support and the edges of the seats, and between the support and the second jaw.

3. A radio receiving means, constructed as set forth in claim 1, and wherein the first clamp jaw is provided in its rear edge with seats, adapted for the reception of a support, and insulating material in the seats, and located between the jaws.

4. A radio receiving means, constructed as set forth in claim 1, and wherein the first clamp jaw is provided in its rear edge with seats, for the reception of a support, and insulating material on that side of the second jaw which is disposed toward the seats.

5. In a radio receiving means, a first concavo-convexed clamp jaw having openings, an antenna member extended through the openings, a second clamp jaw, and tightening devices connecting the jaws and extended through said openings, the tightening devices being mounted on the antenna member.

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