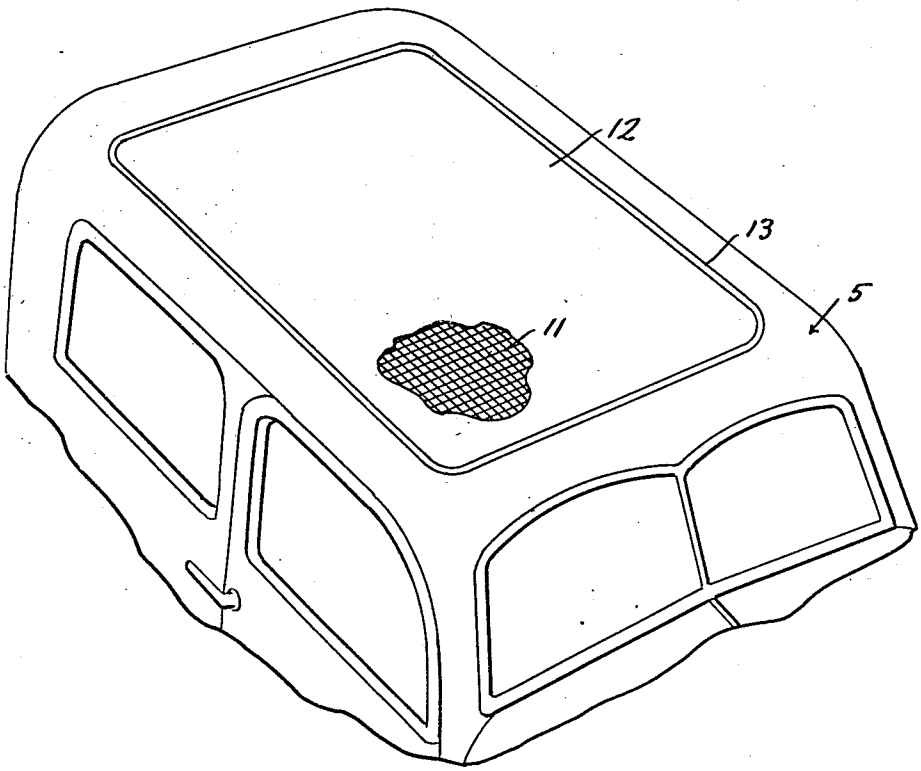
Dec. 8, 1936. R. D. TUTTLE 2,063,531

AUTOMOBILE ANTENNA

Filed May 10, 1935 2 Sheets-Sheet 1

Fig. 1.



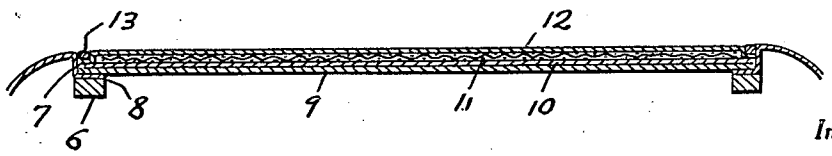


Fig. 2.

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Fig. 3.

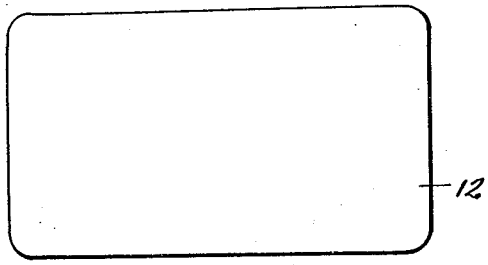


Fig. 4.

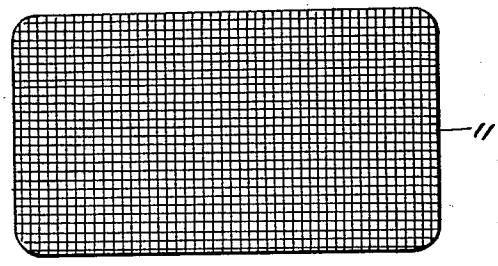


Fig. 5.

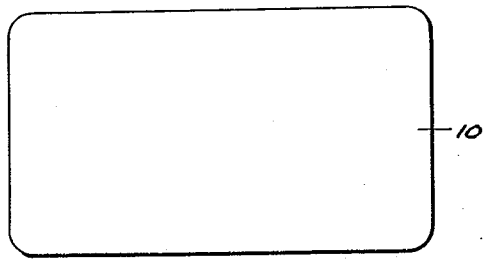
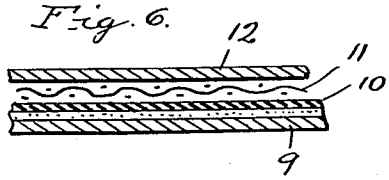


Fig. 6.



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UNITED STATES PATENT OFFICE

2,063,531

AUTOMOBILE ANTENNA

Record Dean Tuttle, Smyrna, N. Y., assignor of one-half to Hugh Bryan, Sherburne, N. Y.

Application May 10, 1935, Serial No. 20,868

1 Claim. (Cl. 250—33)

This invention appertains to new and useful improvements in radio antennae and more particularly to an antenna for use on automobiles.

An important object of the invention is to provide an antenna construction which can be readily built into the top of an automobile.

Another important object of the invention is to provide an automobile antenna which when positioned for use will be concealed from public view.

These and various other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

Figure 1 represents a fragmentary perspective view of an automobile showing the top portion thereof broken away to disclose the antenna installed therein.

Figure 2 represents a fragmentary transverse sectional view of the top of the automobile provided with the present invention.

Figure 3 represents a plan view of the upper water-proofing sheet.

Figure 4 represents a plan view of the upper mesh wire collector sheet.

Figure 5 represents a plan view of the bottom sheet of insulation.

Figure 6 represents an enlarged fragmentary detailed sectional view through the automobile top and antenna.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 generally refers to an automobile body which as shown in Figure 2 is provided with the top frame 6. The portions of the sides, front and back of the body 5 meeting the top of the body are stepped downwardly as at 7 and flanged as at 8 for rest upon the frame 6. Spanning the frame 6 is the top plate 9 which will preferably be of the same material as the body in present day automobiles which is generally of steel.

This construction defines a pocket for the reception of the antenna, the antenna consisting in the construction of the sheet 10 of rubber or some other suitable insulation placed upon the top plate 9 for supporting the wave collecting copper wire mesh sheet 11, while upon the latter space the sheet 12 of waterproofing material.

The collector sheet 11 is more narrow than the insulation sheet 10 and the waterproofing top sheet 12 and obviously through the aid of sealing strips 13 the perimetral portion of the waterproofing sheet 12 can be urged downwardly and sealed in place between the perimetral portion of the collector sheet 11 and the stepped portion 7 of the side, front and rear walls of the vehicle body.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit or scope of the invention as claimed hereinafter.

Having described the invention, what is claimed is:

In combination with an automobile top having a depressed area therein, a sheet of insulation for disposition upon the bottom of the said depressed area, a mesh antenna sheet for disposition upon the said insulation sheet, said mesh antenna sheet being shorter and narrower than the insulation sheet, and a waterproof covering for disposition over the mesh antenna sheet, said covering being of a width and length greater than the antenna sheet and means for urging the edge portion of the said waterproof covering downwardly for snug engagement against the insulation sheet at the edge portion thereof.

R. DEAN TUTTLE.