Mar. 6, 1923.

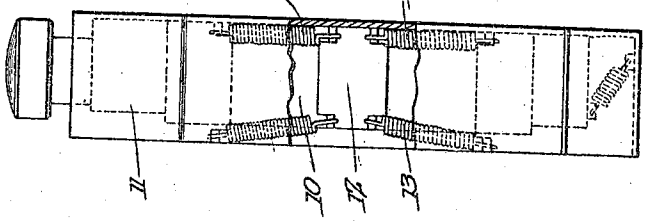
1,447,695

C. V. STORMS

RADIATOR SUPPORT

Filed Sept. 27, 1921

Fig. 2.



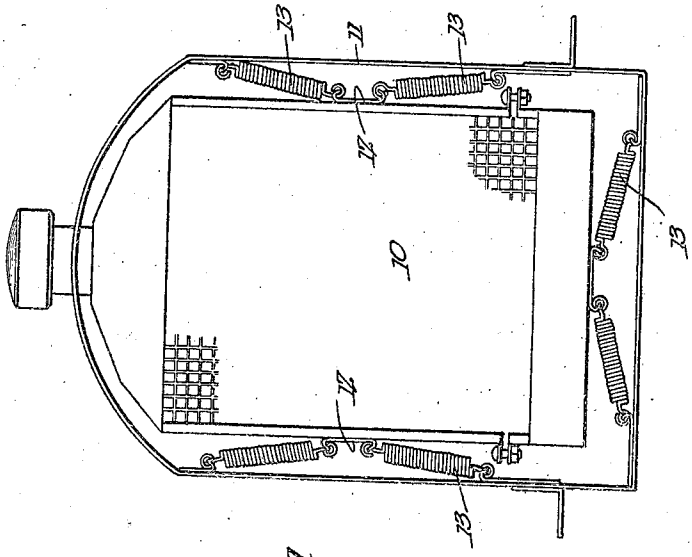


Fig. 1

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WITNESS:

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Patented Mar. 6, 1923. 1,447,695

UNITED STATES PATENT OFFICE.

CLAUDE V. STORMS, OF CUMBERLAND, MARYLAND.

RADIATOR SUPPORT.

Application filed September 27, 1921. Serial No. 503,628.

To all whom it may concern:

Be it known that I, CLAUDE V. STORMS, a citizen of the United States, residing at Cumberland, in the county of Allegany and State of Maryland, have invented new and useful Improvements in Radiator Supports, of which the following is a specification.

This invention relates to automobile radiators, and has for its object the provision of means for yieldably supporting the radiator structure within the outside shell or casing and to provide a flexible means whereby the radiator structure will be relieved of the strain, vibrations and jar that the automobile would be subjected to incident to the travel of the machine over irregular surfaces.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawing, the invention residing in the combination, construction, and arrangement of parts as claimed.

In the drawing forming part of this application, like numerals of reference indicate similar parts in the several views and wherein:

Figure 1 is a view in elevation, partly in section.

Figure 2 is a side view partly in section.

Referring to the drawing in detail, 10 indicates a radiator construction of any well known design, which is arranged within the outside shell or casing 11 of the radiator. In accordance with the present invention, the structure is yieldably supported within the shell or casing, so that any movement of the structure 10 incident to travel of the vehicle over rough or irregular surfaces, is confined within the shell or casing without transmitting any vibrations to the latter. To this end, use is made of a duplex hook-like element 12, there being one of these elements arranged upon the opposite sides of the structure 10 and one upon the lower end thereof. For each element 12 there is provided a pair of coiled springs 13, the springs of the respective pairs being divergently disposed and having corresponding ends secured to the opposed ends of the adjacent hook, while the opposite ends of the said springs of each pair are secured to the shell or casing 11. The spring at the opposed sides of the structure 10 are arranged vertically while the springs at the bottom of the structure are arranged horizontally, thereby providing a yieldable supporting means to take care of any vibratory movements of the structure 10 in any direction for the purpose stated.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim is:

In a radiator of the character described, an outer casing, a radiator structure arranged within the casing, coil springs arranged in pairs at the opposite sides and at the lower end of said structure, duplex hook-like elements secured to said structure, the adjacent ends of each pair of said coil springs being secured to one of said hook-like elements, the opposed ends of said elements being secured to the wall of said casing, said coil springs at the opposed sides of the structure being substantially vertically arranged, and said coil springs at the bottom of the structure being substantially horizontally disposed as and for the purpose specified.

In testimony whereof I affix my signature

CLAUDE V. STORMS.