

May 17, 1927.

L. G. KLENCK, JR.

1,629,216

RADIATOR PROTECTOR

Filed Oct. 8, 1926

*Fig. 1.*

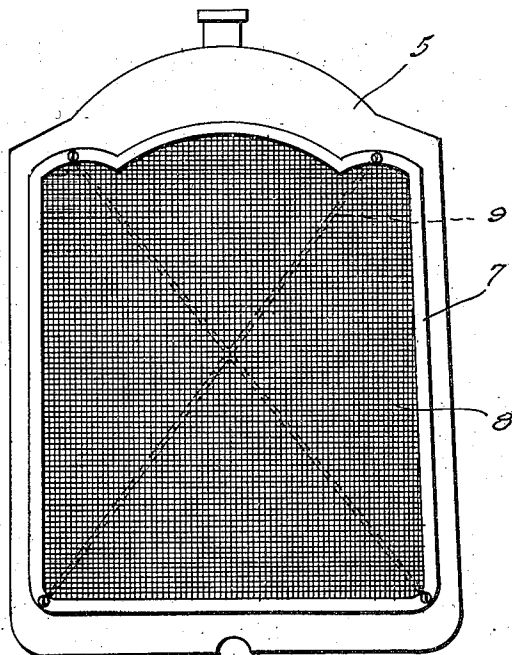


*Fig. 2.*

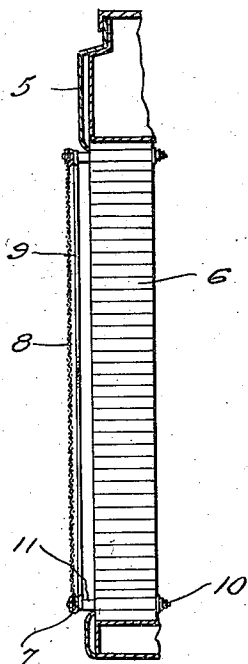
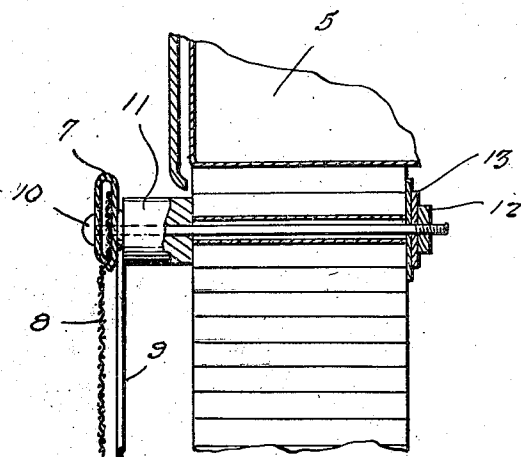


*Fig. 3.*



Inventor  
L. G. Klenck, Jr.

By *Clarence A. O'Brien*

Attorney

## UNITED STATES PATENT OFFICE.

LOUIS G. KLENCK, JR., OF ST. PAUL, MINNESOTA.

## RADIATOR PROTECTOR.

Application filed October 8, 1926. Serial No. 140,402.

The present invention relates to a protector for radiators and aims to provide a device which will prevent insects, dirt, mud, and the like from getting into the core of the radiator and stopping the same up thereby preventing overheating of the radiator.

Another very important object of the invention lies in the provision of a protector of this nature which is mounted in spaced relation to the radiator so as to allow proper circulation and also to permit the use of shutter mechanisms with the radiator if desired.

A still further important object of the invention is to provide a protector of this character in the nature of an attachment which is extremely simple in its construction, strong and durable, inexpensive to manufacture, thoroughly reliable and efficient in use, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a front elevation of an automobile radiator showing my improved protector mounted thereon,

Fig. 2 is a vertical section taken there-through.

Fig. 3 is an enlarged detail vertical section showing the manner in which the protector is fixed to the radiator.

Referring to the drawings in detail, it will be seen that the numeral 5 denotes the shell of an ordinary radiator such as is used on motor vehicles having the usual core portion mounted therein of any conventional or desired type. My improved protector includes a frame 7 shaped to conform to the design of the radiator. Stretched across the frame 7 is a foraminous sheet 8 of screen wire preferably of a rust-proof nature. Diagonal braces 9 are provided on the frame to give the same the desired rigidity and

strength. These diagonal braces are held in place by bolts 10, preferably four in number, which pierce openings in the frame 7 and eye ends of the rods 9. Spacing blocks 11 are mounted on the bolts 10 and the bolts are adapted to extend between the cores of the radiator such as is shown in Fig. 3 and have nuts 12 and washers 13 on the ends thereof. Thus it will be seen that the protector may be spaced in front of the core portion of the radiator so as to prevent insects, dirt, and the like from getting in between the cores of the radiator and preventing the proper circulation of air there-through. Furthermore it will be noted that the protector by being spaced allows the proper circulation of air at all times and prevents overheating as is occasioned by the placing of the foraminous sheet directly on the front surface of the core.

It is thought that the construction, utility, and advantages of this invention will now be clearly understood by those skilled in this art without a more detailed description thereof. The present embodiment of the invention has been disclosed in detail merely by way of example since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and in the above description. It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

A device of the class described including, in combination, a frame, a sheet of foraminous material stretched across the frame, a plurality of bolts piercing openings in the frame, a pair of rods diagonally disposed in relation to the frame and having eye ends pierced by the bolts, spacing blocks on the bolts adjacent the brace rods, and nuts on the bolts for holding them in engagement with a radiator in the manner described.

In testimony whereof I affix my signature.

LOUIS G. KLENCK, JUNIOR.