April 14, 1925. 1,533,982

A. A. FIRKINS

RADIATOR PROTECTOR

Filed June 7, 1924 2 Sheets-Sheet 1

Fig. 1.

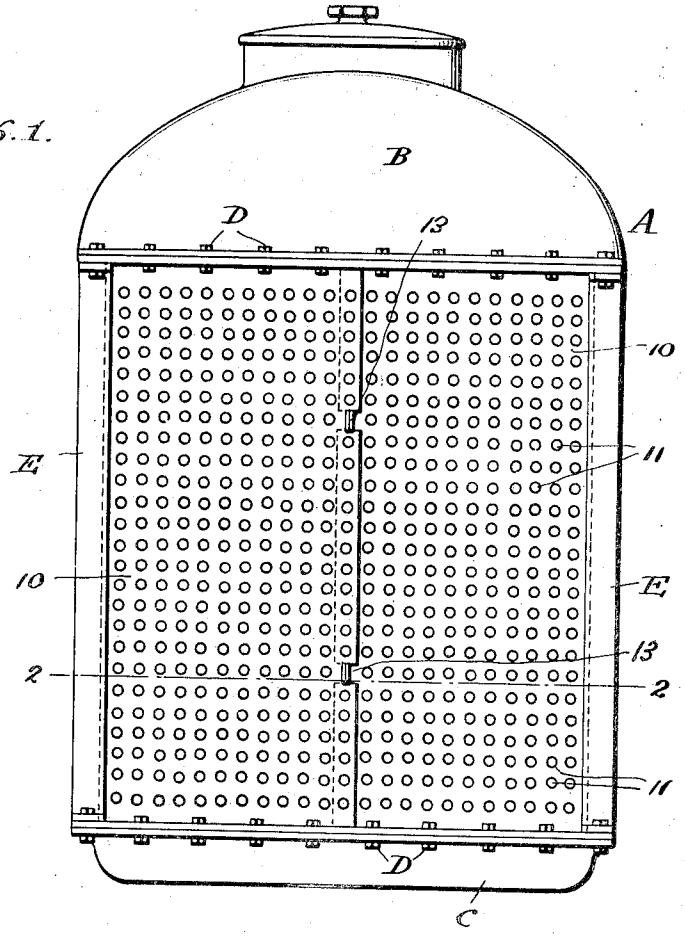


Fig. 2.

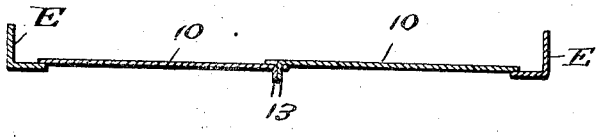
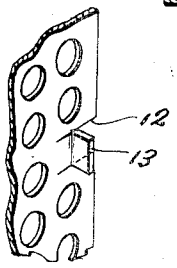


Fig. 3.



Alonzo A. Firkins,
INVENTOR

BY Victor J. Evans
ATTORNEY

WITNESS: Gerald Hennessy

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2 Sheets-Sheet 2

Fig. 4.

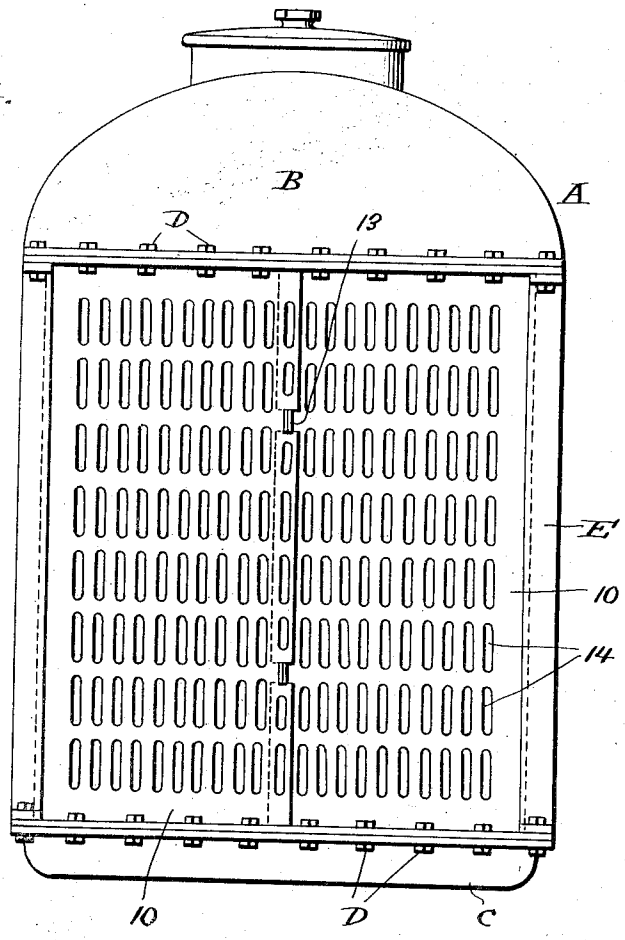
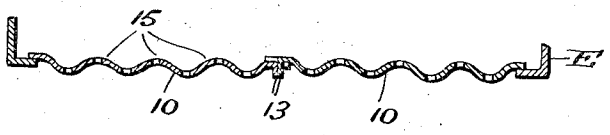


Fig. 5.



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Patented Apr. 14, 1925. 1,533,982

UNITED STATES PATENT OFFICE.

ALONZO A. FIRKINS, OF ROLFE, IOWA.

RADIATOR PROTECTOR.

Application filed June 7, 1924. Serial No. 718,600.

To all whom it may concern:

Be it known that I, ALONZO A. FIRKINS, a citizen of the United States, residing at Rolfe, in the county of Pocahontas and State of Iowa, have invented new and useful Improvements in Radiator Protectors, of which the following is a specification.

This invention relates to radiator attachments, particularly to protective devices, and has for its object the provision of a novel attachment designed to be engaged upon the front of the radiator of a tractor for the purpose of preventing injury to the radiator when working with the tractor in corn fields or the like.

An important object is the provision of a protector of this character so constructed and arranged that it may be sprung into place behind the bolts which hold together the sections of the radiator on a tractor of the Fordson or other make, no securing devices being needed for effecting the holding action.

An additional object is the provision of a structure which will be very simple and inexpensive to manufacture, easy to apply without the use of tools, positive in action, efficient and durable in service, and a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the combination and arrangement of parts to be hereinafter more fully described and claimed and illustrated in the accompanying drawings in which:

Figure 1 is a front elevation of a radiator with my device applied.

Figure 2 is a section on the line 2—2 of Figure 1, only a portion of the sides of the radiator being disclosed.

Figure 3 is a detail fragmentary view of one of the protector sheets.

Figure 4 is a front elevation of a modification.

Figure 5 is a cross-section through another modification.

Referring more particularly to the drawings, the letter A designates a radiator such as the type used on Fordson tractors, which radiator includes the usual upper and lower tanks B and C held to the intermediate or core portion by bolts D.

In carrying out the invention I make use of two similar rectangular sheets 10 of suitable metal perforated throughout their areas, as indicated at 11, to provide means for the passage of air to the radiator. At one edge each sheet is slit along two lines 12 to define a tongue 13 which is bent to extend outwardly from the sheet and at right angles thereto.

In installing the device, one sheet has its lower edge engaged behind the bolts D, after which the sheet is bowed or sprung so that its other edge may be engaged behind the bolts D at the top of the radiator. This first sheet is then slid laterally so as to engage behind the frame or shell E of the radiator, subsequently to which the other sheet is applied in the same manner and slid to the other side of the frame or shell. When this is done it is apparent that the inner edges of the two sheets will overlap, a feature of importance inasmuch as it gives double thickness and increased strength at this point. The tongues 13 are bent outwardly into their right angular position and engage each other so as to form a positive lock which will prevent sliding of the sheets.

In Figure 4 I have shown a modification in which the sheets are formed with elongated slots 14 instead of the perforations above described, the slots being arranged in any desired manner and being of any preferred size and shape.

Instead of the sheets being plane as above indicated, they may be corrugated, as shown at 15 in Figure 5, and perforated as in Figure 1 or slotted as in Figure 4, this detail being immaterial. Other details may also be varied if found necessary or advisable.

While I have shown and described the preferred embodiment of my invention, it is of course to be understood that I reserve the right to make such changes in the form, construction and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claim.

I claim:

A radiator protector comprising a pair of apertured metal sheets disposable against the front of a radiator with their outer edges engaged behind the radiator shell or frame and with their inner edges overlapping, and outstruck tongues on said overlapping edges engaging each other for preventing relative sliding movement of the sheets.

In testimony whereof I affix my signature.

ALONZO A. FIRKINS.