

June 19, 1923.

1,459,593

E. D. LINDE
RADIATOR COVER

Filed May 10, 1922

Fig. 1.

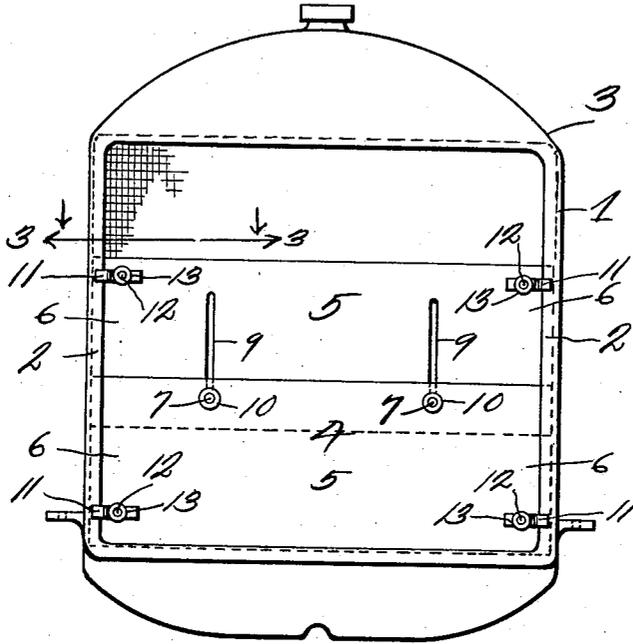


Fig. 2.

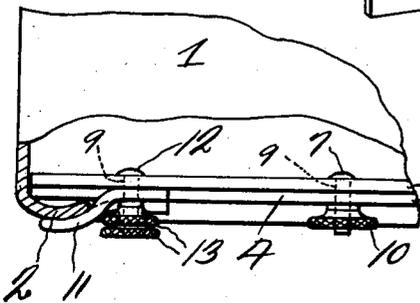
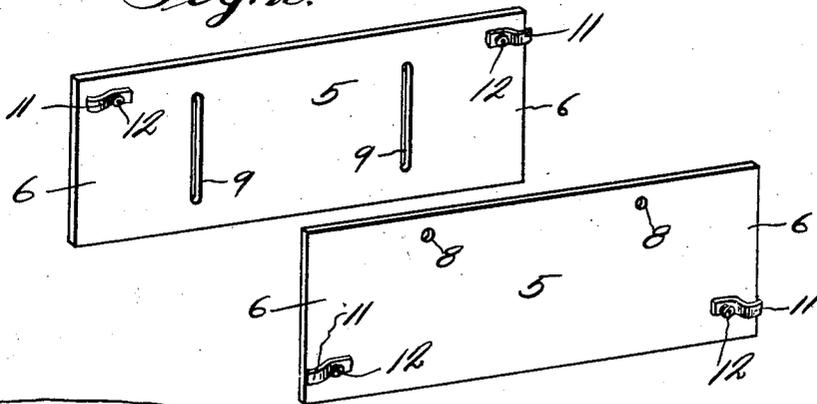


Fig. 3.

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ERICK DAVID LINDE, OF BURDICK, KANSAS.

RADIATOR COVER.

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To all whom it may concern:

Be it known that I, ERICK DAVID LINDE, a citizen of the United States, residing at Burdick, in the county of Morris, State of Kansas, have invented a new and useful Radiator Cover; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to radiator covers for use in connection with automobile radiators and has for its object to provide a device of this character comprising a plurality of slidably connected plates slidably mounted within the outer flange of the radiator and adapted to be moved for covering different areas of the radiator thereby protecting the radiator, especially the lower part thereof against freezing in cold weather. Also to provide means for clamping the plates in adjusted positions in such a manner as to prevent rattling or movement of the plates in relation to each other.

A further object is to form the plates from flexible material, such for instance as sheet brass, thereby allowing the ends of the plates to be easily inserted behind the radiator casing flange.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawings, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—

Figure 1 is a front elevation of a conventional form of automobile radiator showing the shield applied thereto.

Figure 2 is a collective view of the plates.

Figure 3 is a sectional view taken on line 3—3 of Figure 1.

Referring to the drawings, the numeral 1 designates a conventional form of automobile radiator and 2 oppositely disposed front flanges of the casing 3 thereof. It has been found that in extremely cold weather the amount of air allowed to flow through the

radiator has to be limited to prevent freezing of the fluid within the radiator, said freezing generally taking place at the bottom of the radiator. To obviate this difficulty a radiator shield 4 is provided. The radiator shield comprises a plurality of plates, each plate being designated by the numeral 5. The plates 5 are formed from flexible material, thereby allowing the same to be flexed so that their ends 6 may be passed behind the flanges 2 of the radiator casing 3, in such a manner that said plates may slide upwardly and downwardly on the inside of the flanges 2. The adjacent sides of the plates 5 overlap and are slidably connected together by means of bolts 7 which extend through apertures 8 in one of said plates and elongated slots 9 in the other plate, therefore it will be seen by tightening the thumb nuts 10 carried by the bolts 7 that the plates may be securely clamped together after adjustment to cover the proper area of the radiator and the proper position of the shield as a whole in relation to the upper and lower ends of the radiator. To hold the shield in various adjusted positions clamping fingers 11 are provided on each plate 5 adjacent its ends, which clamping fingers overlie the outer faces of the flanges 2 of the radiator, and when the bolts 11 carried by the plates and on which the fingers are mounted are tightened by tightening the thumb nuts 13, it will be seen that the shield will be held against upward or downward movement on the flanges 2 thereby allowing the shield to be positioned and held in any desired position in relation to the upper and lower ends of the radiator.

From the above it will be seen that a radiator shield is provided which is simple in construction, the parts reduced to a minimum and the device so constructed that it may be easily and quickly applied to conventional forms of radiators used in connection with automobiles.

The invention having been set forth what is claimed as new and useful is:—

The combination with an automobile radiator comprising a casing and oppositely disposed flanges carried by said casing, of a radiator shield, said radiator shield compris-

ing adjustably connected plates formed from flexible material whereby they may be flexed, the ends of said plates being disposed beneath the oppositely disposed flanges and clamping fingers carried by the plates and engaging the outer side of the flanges and forming means whereby the shield may be rigidly held in various vertical positions.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 10

E. DAVID LINDE.

Witnesses:

VICTOR R. MELLEBRUCH,
ALBERT R. WALLACE.