W. L. DODGE.

TREAD MAT FOR VEHICLES.

APPLICATION FILED MAR. 16, 1921.

1,413,265. Patented Apr. 18, 1922.

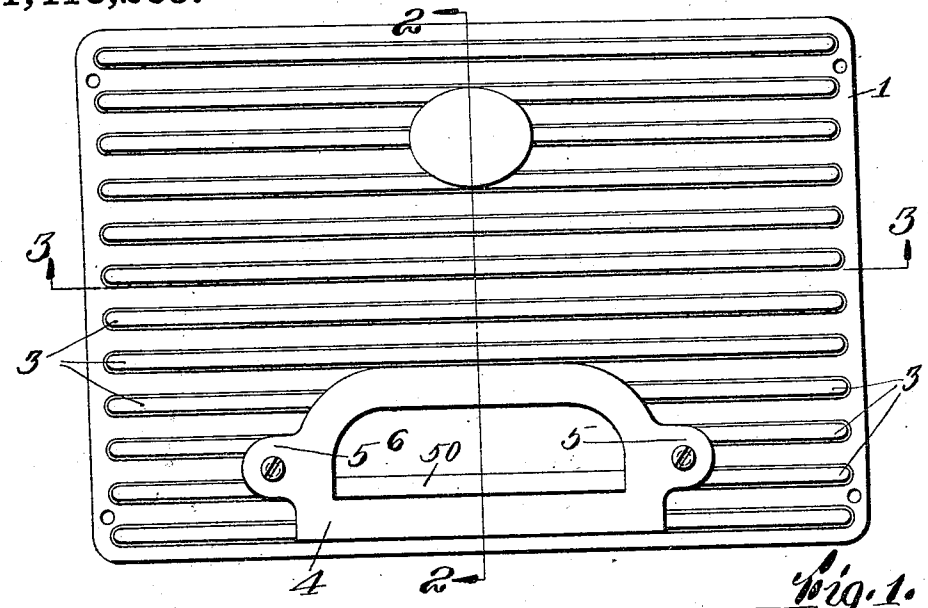


Fig. 1.

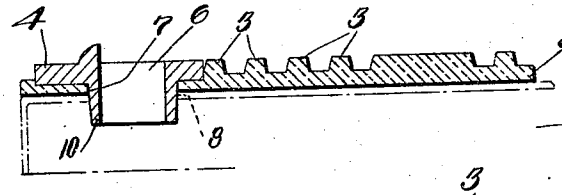


Fig. 2.

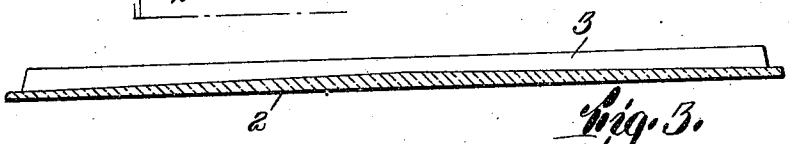


Fig. 3.

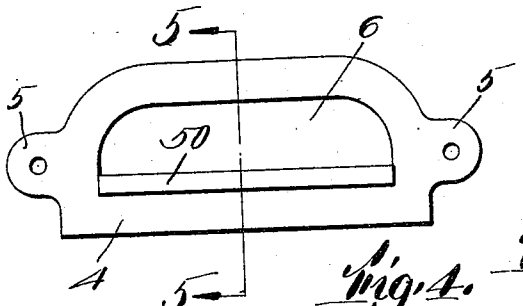


Fig. 4.

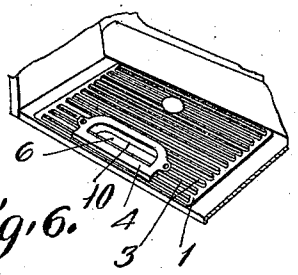


Fig. 6.

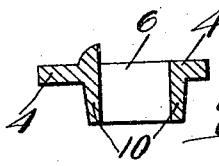


Fig. 5.

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UNITED STATES PATENT OFFICE.

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TREAD MAT FOR VEHICLES.

1,413,265. Specification of Letters Patent. Patented Apr. 18, 1922.

Application filed March 16, 1921. Serial No. 452,754.

To all whom it may concern:

Be it known that I, WILLIAM L. DODGE, a citizen of the United States, residing at Dover, in the county of Strafford and State of New Hampshire, have invented new and useful Improvements in Tread Mats for Vehicles, of which the following is a specification.

This invention relates to a foot mat and scraper, more particularly designed for use on the running board of auto vehicles, and so formed that dirt removed from the foot may not be deposited on the mat. The mat may thus be kept clean to furnish a non-slipping and noise- and shock-preventing surface.

For a more complete understanding of this invention, reference may be had to the accompanying drawings in which—

Figure 1 is a plan view of the mat and scraper.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is a plan view of the foot scraper.

Figure 5 is a cross section on line 5—5 of Figure 4, and Figure 6 is a perspective showing the mat and scraper applied to the running board of an auto vehicle.

Referring to the drawings, at 1 is shown a mat illustrated as comprising a base portion 2 surmounted by a tread surface composed of corrugations 3 formed preferably integrally with the portion 2 and extending upwardly therefrom. At its forward edge a portion of the corrugations 3 is cut away to form a seat for a plate 4. This plate has ears 5 extending from either end thereof, which are perforated for the reception of fastening means, as will be later described. Back from the forward edge of plate 4 an upstanding flange 50 is formed thereon, which furnishes a scraping element, by means of which dirt may be removed from the sole of a shoe. Immediately back of the flange 5, plate 4 has an opening therethrough, as shown at 6, surrounded by a depending flange 10. Holes 7 and 8 are made in the mat and the running board to fit the outside of the flange 10, so that the plate 4 may be placed in position on the mat with its top surface substantially flush with the upper mat surface, the scraper 50 projecting thereabove and the flange 10 projecting through the mat and running board. Fastening means are then passed through the ears 5 and into or through the running board to fasten the mat and scraper in position. Flange 10 then forms a smooth passageway or chute to direct dirt from the scraper through the mat and running board to the ground, and also helps to hold the parts in a substantial and rigid manner.

Having thus described an embodiment of this invention, it is evident that many changes and modifications might be made therein without departing from its spirit or scope as defined by the appended claims.

I claim:

1. In combination, a vehicle step or running board having an opening therethrough, a foot mat mounted on said step and having an opening mating said stop opening, and a plate of less extent than said mat furnishing a marginal reinforcement for the opening therein and provided with a scraper ledge at one side thereof.

2. In combination, a vehicle step or running board having an opening therethrough, a mat having a corrugated tread surface mounted on said step and having an opening mating said step opening, and a metallic member surrounding said mat opening and fitting an opening cut in the tread surface, and a scraping element fixed to said member at one side of said opening.

3. In combination, a step, a mat mounted on said step and having a non-slipping tread surface, a plate of less extent than said mat supported on said mat and fitted in an opening in said tread surface, and a scraping element carried by said plate, said plate, mat and step having mating openings therethrough to allow the escape of dirt removed by said element.

4. In combination, a step, a mat mounted on said step and having a non-slipping tread surface, a plate of less extent than said mat supported on said mat and fitted in an opening in said tread surface, and means for fastening said plate, mat and step together.

5. In combination, a step, a mat mounted on said step, mating openings through said mat and step, and a chute member extending through said openings and having a scraping edge at its upper end.

In testimony whereof I have affixed my signature.

WILLIAM L. DODGE.