Nov. 26, 1935. H. STURN 2,022,576

RUBBER TRACTOR LUG

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Fig. 1.

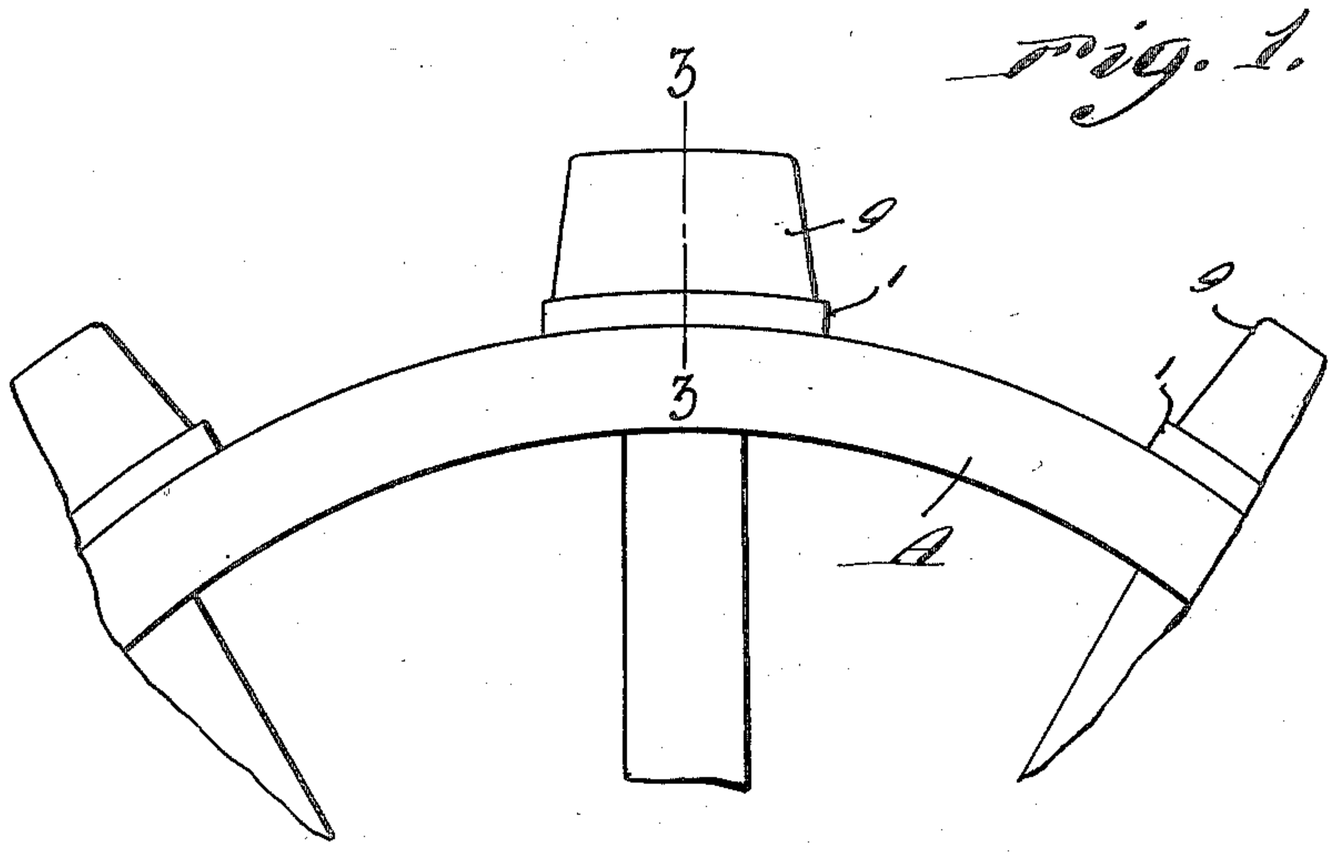

Fig. 4.

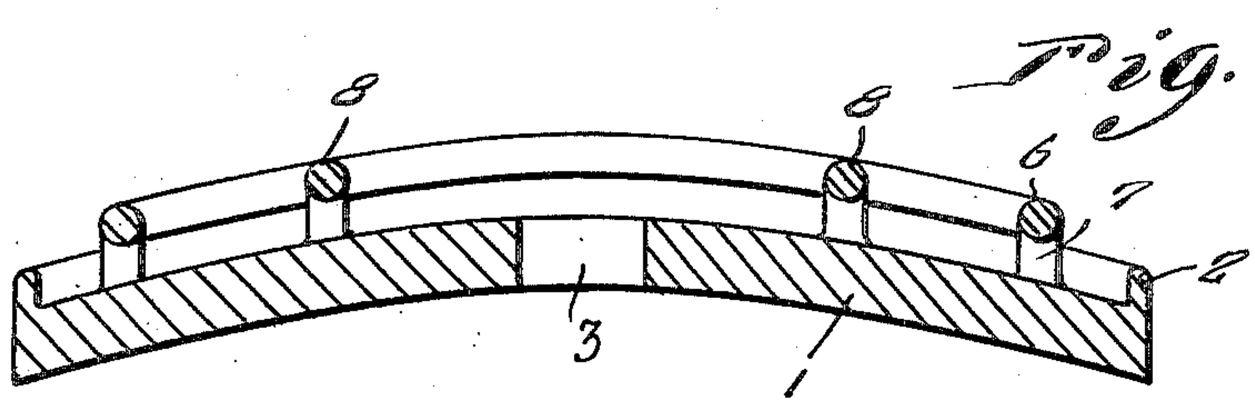

Fig. 5.

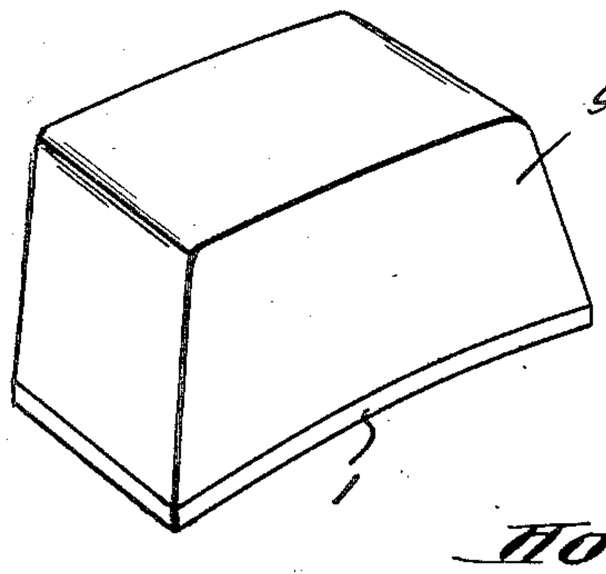

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Fig. 2.

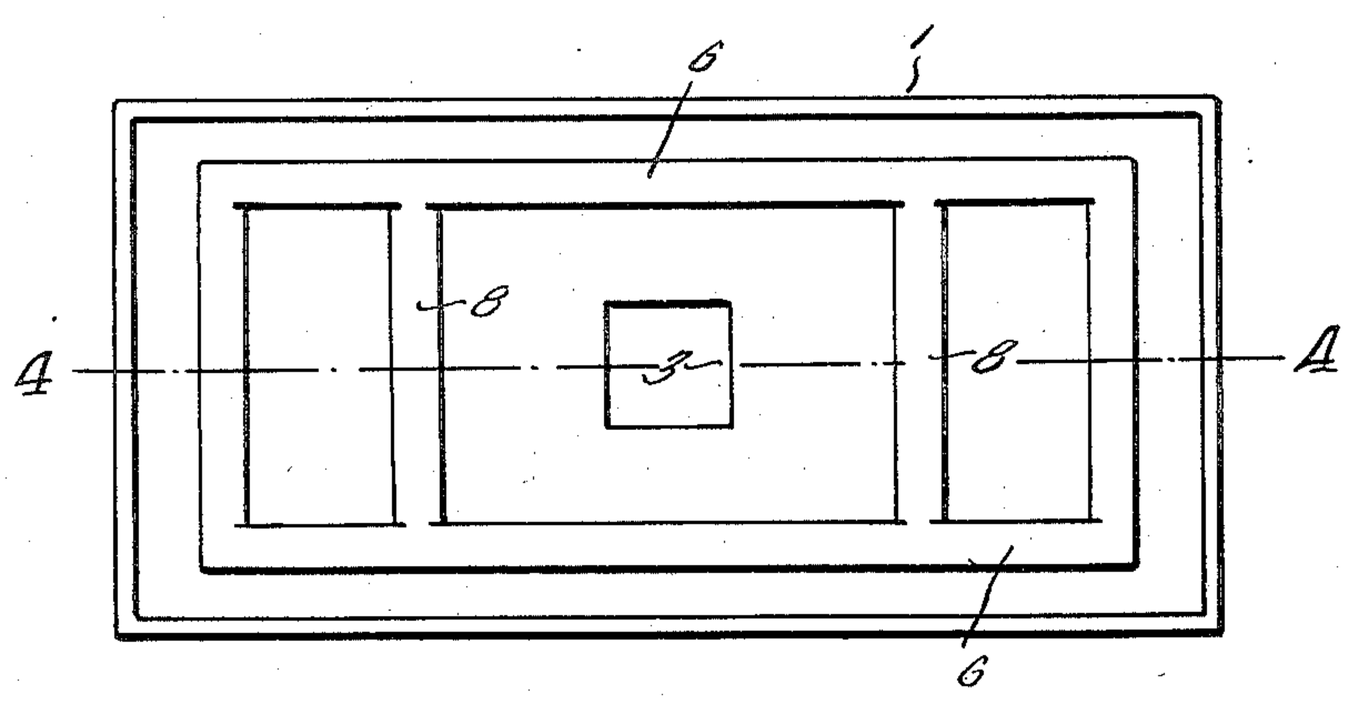
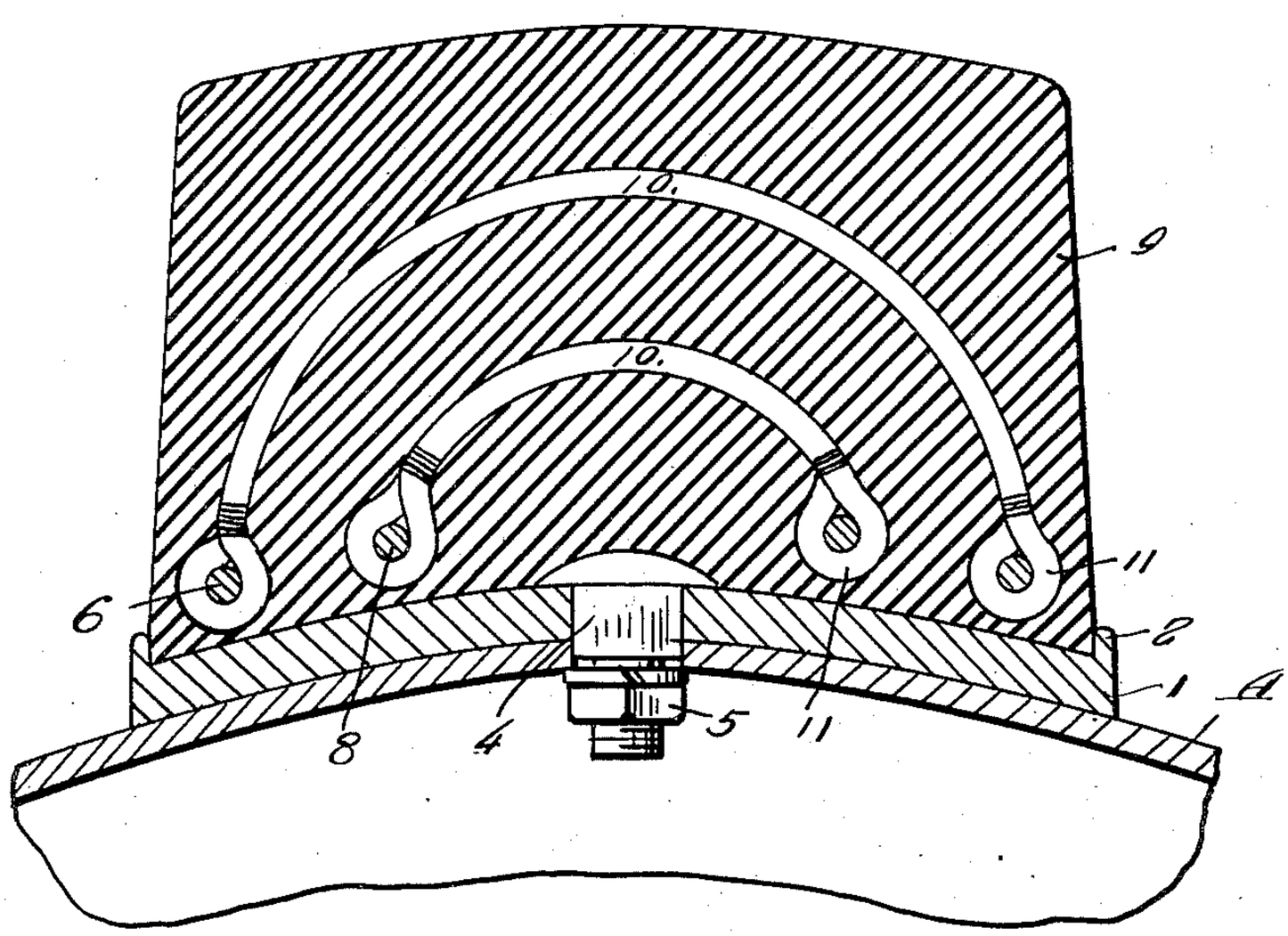


Fig. 3.



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UNITED STATES PATENT OFFICE

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RUBBER TRACTOR LUG

Howard Sturn, Bushton, Kans.

Application June 18, 1934, Serial No. 731,190

3 Claims. (Cl. 152—9)

This invention relates to a lug for a tractor, the general object of the invention being to provide a lug having a metal base and a body formed of rubber or rubber composition, with means for firmly connecting the body to the base.

This form of lug will permit a tractor to be run over paved streets without damage to the pavement, as well as over dirt roads and fields without being retarded or stopped by reason of the wheels slipping or skidding.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a fragmentary view of a wheel, showing the improved lugs thereon.

Figure 2 is a top plan view of the base of the lug.

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

Figure 4 is a section on line 4—4 of Figure 2.

Figure 5 is a perspective view of the lug.

In these drawings, the numeral 1 indicates the base formed of metal and the numeral 2 indicates a marginal upstanding flange on the base. The base is of arcuate shape longitudinally to fit the rim A of a wheel and said base has a centrally arranged rectangular hole 3 therein through which passes the rectangular part of a bolt 4, the head of which engages the convex face of the base and said bolt is provided with a reduced threaded part for receiving the nut 5. As shown in Figure 3, the rectangular part passes into a rectangular hole in the wheel rim so that the bolt will prevent turning movement of the base on the rim.

A rectangular frame 6 of less area than the base is connected with the base by the short posts 7 preferably arranged one at each corner and one adjacent each point of connection of the two cross bars 8 of the frame 6, with side members of the frame. The body is shown at 9 and is formed of resilient material and a plurality of cables 10 is embedded in the body and arranged in substantially semi-circular form. There are two sets of these cables, one set being shorter than the other and the short set have their eyes 11 engaging the cross bars 8, while the eyes of the other cables 10 engage the bars 6 at the end of the frame so that these two sets of cables greatly reinforce the body.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the apended claims.

What is claimed is:—

1. A lug of the class described comprising a metal base having a marginal flange, a frame of less area than the base, posts connecting the frame with the base, a body of resilient material vulcanized to the base and having its inner portion fitting in the space formed by the flange, with parts of the body surrounding the frame, and reinforcing cables embedded in the body and arranged in an arcuate shape therein with their ends connected to parts of the frame.

2. A lug of the class described comprising an arcuate shaped base having a marginal flange, a frame of less area than the base, posts connecting the frame to the base, said frame including cross bars, a body of resilient material vulcanized to the base and having portions surrounding the frame with its inner portion located in the space formed by the flange, arcuate shaped cables embedded in the body and arranged in two sets, one set being connected with the end bars of the frame and the other set with the cross bars thereof.

3. A lug of the class described comprising a metal base, a frame, posts connecting the frame with the base and supporting the frame in spaced relation from the base, a body of resilient material vulcanized to the base and having its inner portion surrounding the frame, and reinforcing cables embedded in the body and having their ends connected with portions of the frame.

HOWARD STURN.