

N. ANDERSON.
LUG FOR TRACTORS.

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1,333,366.

Patented Mar. 9, 1920.

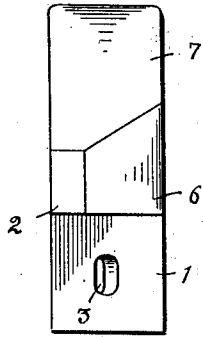


Fig. 1.

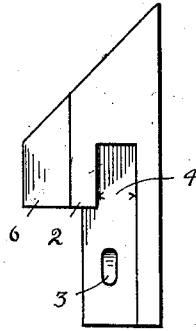


Fig. 2.

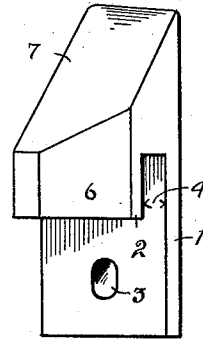


Fig. 3.

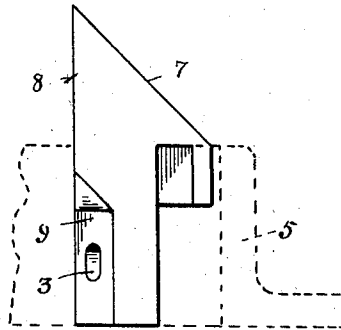


Fig. 4.

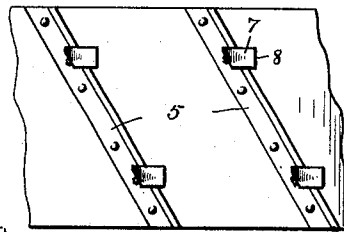


Fig. 5.

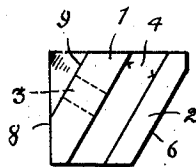


Fig. 6.

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UNITED STATES PATENT OFFICE.

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LUG FOR TRACTORS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, NORMON ANDERSON, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Lugs for Tractors, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to lugs for tractor wheels and has special reference to a lug especially designed for attachment to a tractor wheel having diagonally transverse angle bars rigidly fixed to the outer circumferential surface thereof.

The object is to provide a lug that is quickly applied or removed and one that is durable and efficient in operation.

In the accompanying drawings forming part of this application and in which like reference characters indicate like parts;

Figure 1 is the rear elevation of one of the improved lugs.

Fig. 2 is a side elevation of same,

Fig. 3 is a rearmost corner elevation, taken at right angles to the diagonal face through which the hole for attaching the lug occurs,

Fig. 4 is a side elevation opposite to that shown in Fig. 2,

Fig. 5 is a top plan view of a fragmental portion of a tractor wheel equipped with four of the improved lugs, and

Fig. 6 is a bottom plan view of one of the lugs.

The lug is provided with two depending shank members 1 and 2, the former being approximately twice the length of the latter and provided with the vertically elongated through-hole 3 which accommodates the bolt that holds the lug in place.

The two shanks are spaced apart and form, diagonally across the lug, the rectangular-shaped channel 4, which fits over the outwardly extending web of the angle-bar 5 which, as before stated, is rigidly fixed to the wheel.

The lug in plan view is substantially rectangular shaped, except that one rear corner 6 is cut away parallel with the vertical wall of the channel 4, this being done for the purpose of lessening the weight of the lug, and it is removed from a portion thereof which will not lessen its strength.

The upper termination or face 7 of the lug is inclined upwardly toward the forward edge thereof, said inclination being preferably that of about sixty degrees, which in practice has proven to be very satisfactory.

The front face 8 of the lug is entirely straight except that the lower portion of one corner is cut away, as at 9, to form a flat surface parallel with the adjacent wall of the channel 4.

This flat surface is for the convenient application of a suitable nut which is applied to the bolt, not shown, which holds the lug in place, the hole 3 occurring approximately in the center thereof.

The hole 3 is made elongated to permit of the bottom of the shank 1 fitting down firmly upon the tire or face of the wheel of the tractor.

From the foregoing it is apparent that I have devised a simple and strong tractor lug and one that may be arranged to the best advantage on the wheel, resulting in the least bumping action thereof when the latter is in motion with the lugs applied, they being set well in from the edges of the wheel, as shown in Fig. 5.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is:

1. The combination with a tractor wheel having diagonally disposed transverse angle bars, fixed to the outer face thereof, of lugs substantially rectangular in plan view, having diagonally disposed channels in the shanks thereof and fitting over the protruding portion of the angles, and holes in the shanks in which bolts may be employed for holding the lugs to the angles.

2. The combination with a tractor wheel having angle bars fixed to the ground-engaging face thereof, of lugs having inverted L shaped shanks and means for securing the longer portion of the shanks to the projecting portions of the angle bars.

In testimony whereof I have hereunto affixed my signature in the presence of two witnesses.

NORMON ANDERSON.

Witnesses:

G. M. OUELLETTE,
S. GEO. STEVENS.