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SNOW PLOW SHOE HITCH

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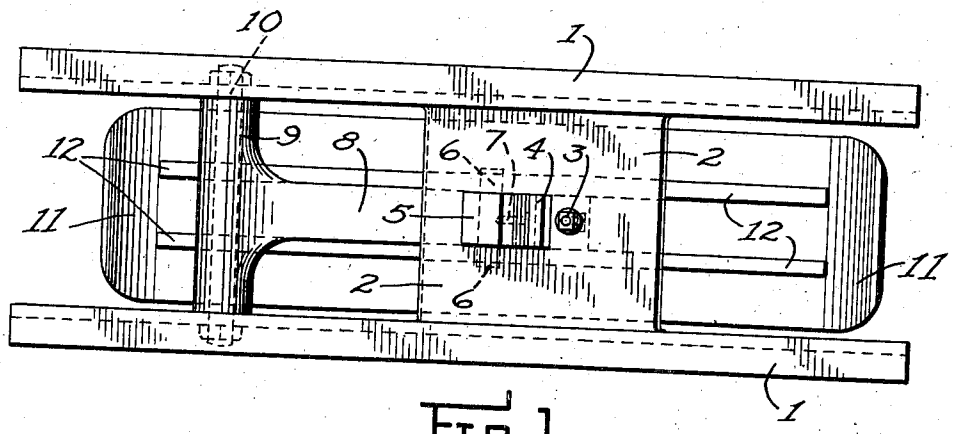


Fig. 1

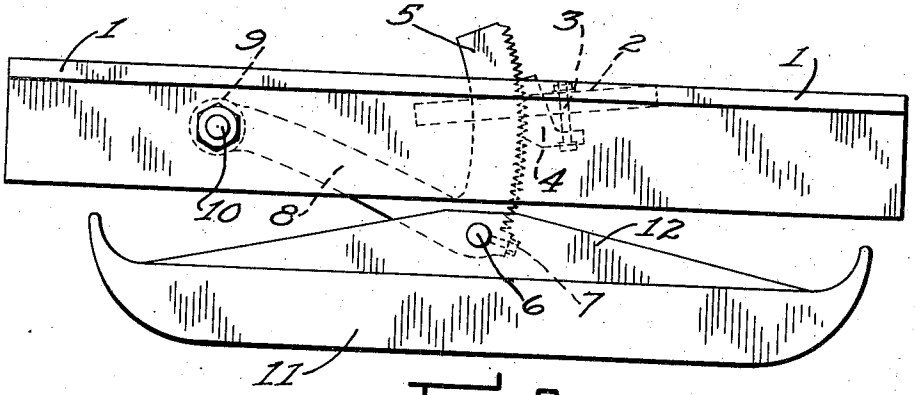


Fig. 2

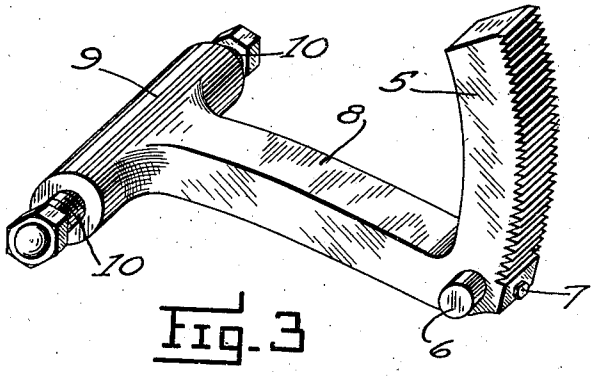


Fig. 3

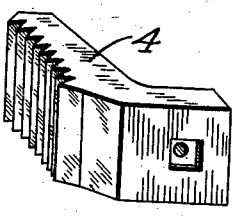


Fig. 4

Inventor
C. A. Hanson
A. L. Hanson

By Lester L Sargent

Attorney

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SNOW PLOW SHOE HITCH

Albert L. Hanson and Charles A. Hanson,
Munising, Mich.

Application October 10, 1944, Serial No. 558,030

1 Claim. (Cl. 37—41)

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The object of our invention is to provide a novel, adjustable snow plow shoe hitch.

We attain these and other objects of our invention by the mechanism illustrated in the accompanying drawing in which—

Figure 1 is a top plan view of our invention.

Fig. 2 is a side elevation of same;

Fig. 3 is a detailed perspective view of the adjustable shoe supporting member; and

Fig. 4 is a detailed perspective view of the locking wedge member.

Like numerals designate like parts in each of the several views.

The accompanying drawing shows the angle iron members 1 of the snow plow, between which extends a steel cross plate 2. This plate is furnished with a rectangular slot large enough to permit the serrated circle sector 5 to pass through and also to permit the serrated locking wedge 4 to enter part way. One side of the slot contacts the slope of wedge 4 in such a way that the serrations of the wedge are forced into secure engagement with the matching serrations of the circle sector 5 thereby locking the shoe supporting member securely in place. Locking bolt 3 ties the wedge 4 to the plate 2 thereby preventing disengagement. The pivot pin 6 which projects on opposite sides of the lower end of circle segment 5 is secured by a set screw 7, and carries the shoe 11 through holes in the two shoe webs 12. Arm 8 connects the circle sector 5 with the bushing 9 through which the shoe supporting

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member is fastened rotatably to the frame members 1 by means of the long bolt 10.

In use the vertical distance between the shoe and the frame members is adjusted by removing the bolt 3, raising the side members 1 and the plate 2, thereby disengaging the wedge from the serrations. The locking wedge 4 is then placed in the serrations giving the desired distance between shoe and frame. By dropping the plate in place over the wedge and locking with bolt 3 the shoe supporting member is again securely held.

The device can be easily installed on any snow plow and its adjustments are not affected by sand, gravel or calcium chloride. The device is easily attached or detached from the snow plow.

What we claim is:

In combination with frame members of a snow plow, a cross-plate between said members, a serrated locking wedge member, an adjustable shoe supporting member mounted rotatably on a through bolt carried by the frame members and furnished with a circle sector portion having serrations matching the serrations of the aforesaid wedge said circle portion of the shoe supporting member extending upwardly adjacent the cross plate with the wedge member wedged between the supporting member and the cross plate, and a plow shoe pivotally mounted on the shoe supporting member.

ALBERT L. HANSON.
CHARLES A. HANSON.