

No. 609,892.

Patented Aug. 30, 1898.

M. E. MANIRE & T. HOOD.

PLOW BAR PROTECTOR.

(Application filed July 7, 1897.)

(No Model.)

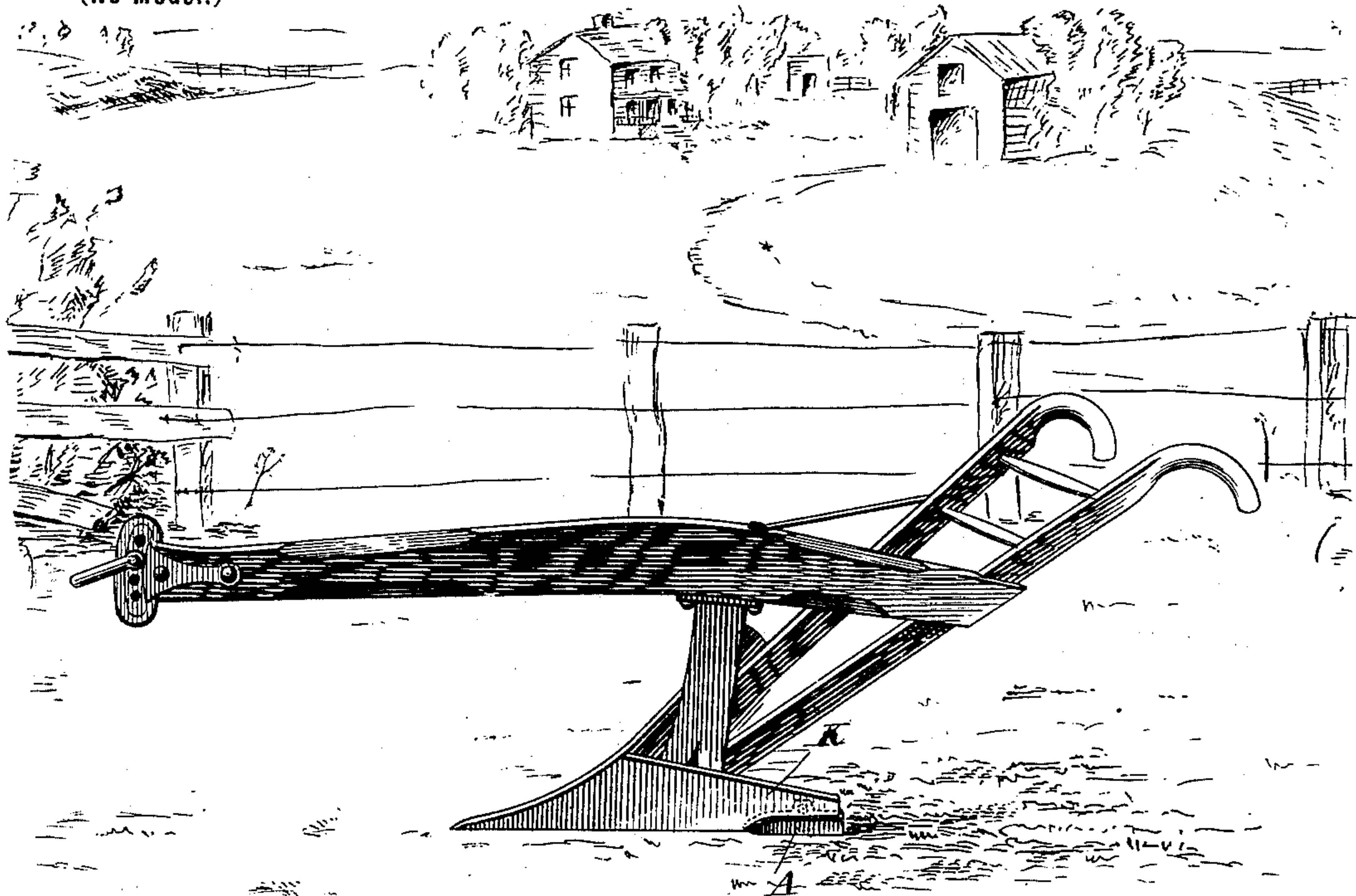


Fig. 1.

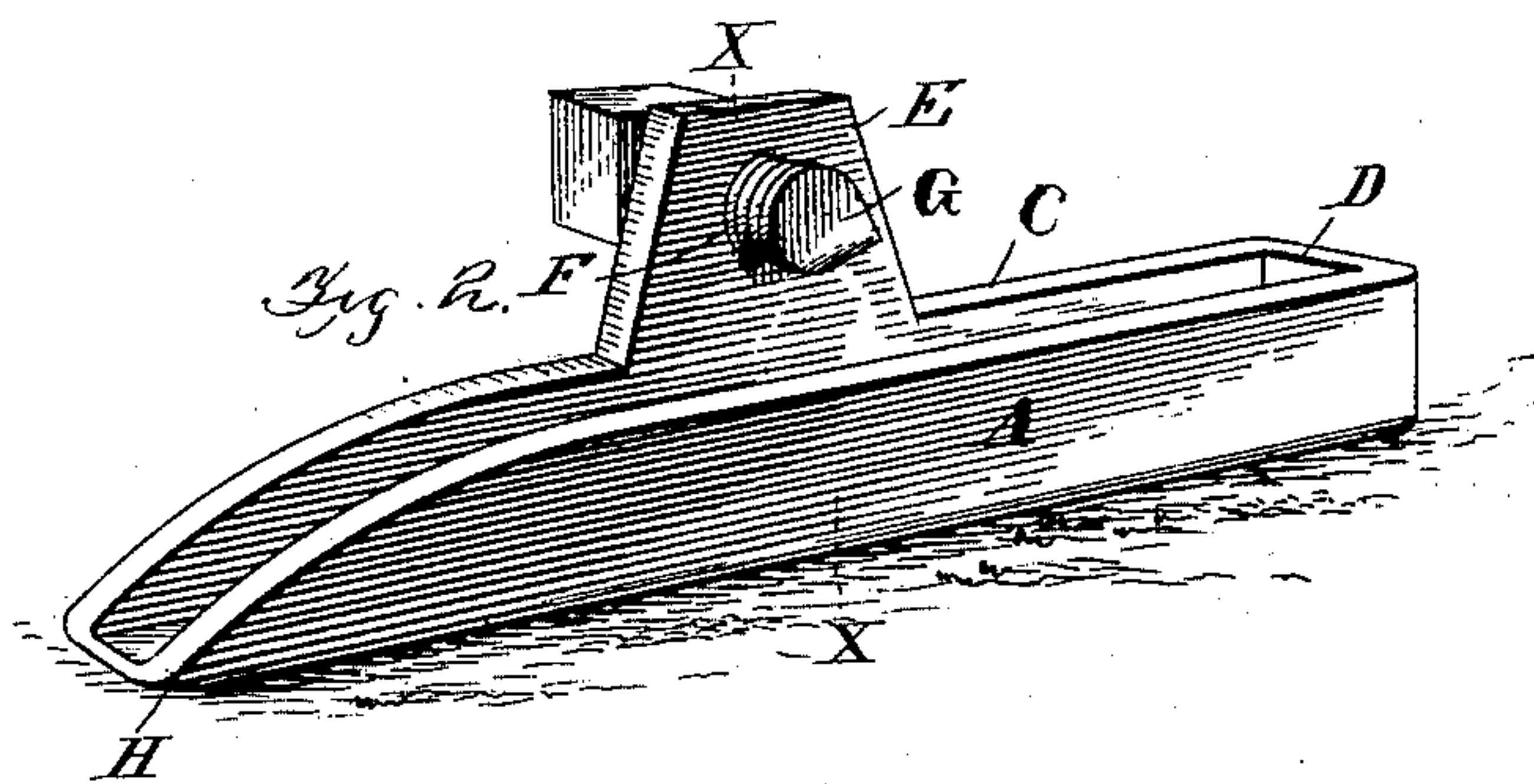


Fig. 2.

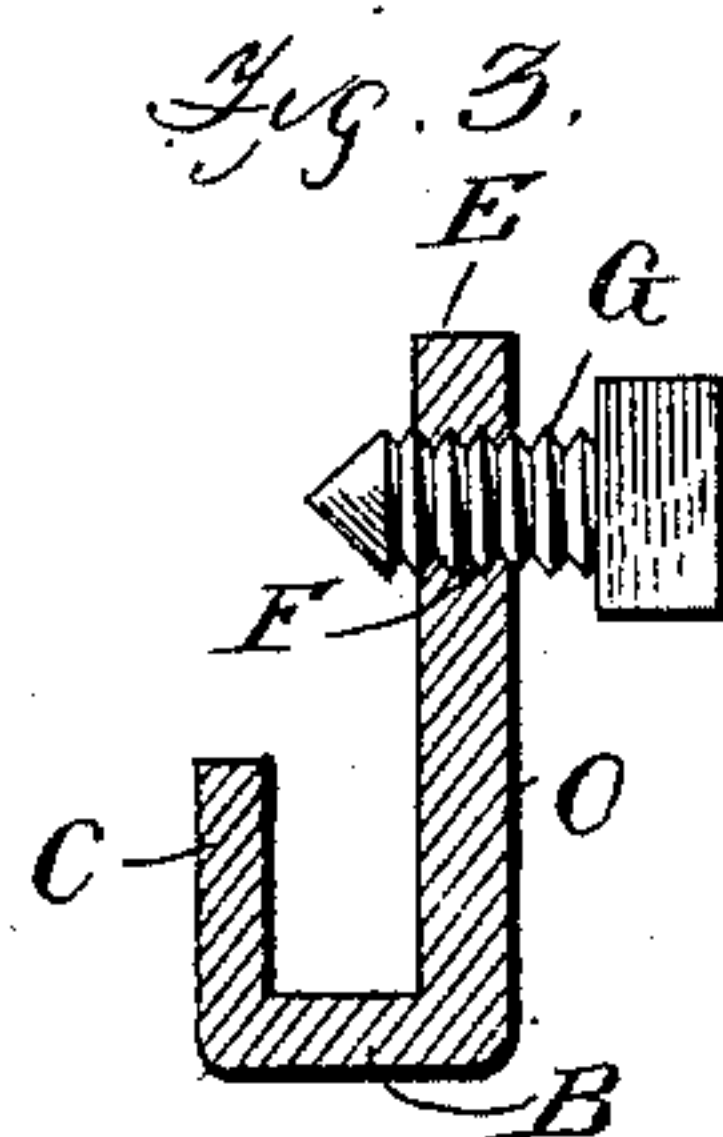


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

MOSES E. MANIRE AND THOMAS HOOD, OF NORMAN, OKLAHOMA TERRITORY; SAID MANIRE ASSIGNOR OF HIS RIGHT TO WILLIAM H. SNOW AND WARREN T. MAYFIELD, AND SAID HOOD ASSIGNOR OF ONE-HALF HIS RIGHT TO JERRY MCCARTHY, OF SAME PLACE.

PLOW-BAR PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 609,892, dated August 30, 1898.

Application filed July 7, 1897. Serial No. 643,730. (No model.)

To all whom it may concern:

Be it known that we, MOSES E. MANIRE and THOMAS HOOD, residing at Norman, in the county of Cleveland and Territory of Oklahoma, have invented a new and useful Plow-Bar Protector, of which the following is a specification.

This invention relates to improvements in plows, and has for its object to provide a bar-protector for the heel of the plow which saves said heel against wear. As is well known to all plowmen, the bar is the portion to be first worn away, as when the handles are depressed the entire weight of the plow is thrown on the bar, and more especially the heel thereof.

Our improved protector is of exceedingly simple construction, being either of soft iron, cast-iron, or steel, and requires but little alteration in any plow-bar in order to equip it with the protector, and when once applied requires no further attention.

In the drawings herewith forming part of this specification, in which like parts are indicated by similar letters of reference, Figure 1 is a perspective view of a plow equipped with our improved bar-protector. Fig. 2 is a perspective view of the protector detached. Fig. 3 is a sectional view on line *xx* of Fig. 2.

In the construction of our improved bar-protector we provide a metal shoe or casing A, having a bottom B, side walls C, and a rear end wall D, the casing being without top and having the side walls C sloping downwardly toward the open or forward end of the casing. Formed upon the inner side wall there is provided an upwardly-projected tongue E, having a screw-threaded bolt-aperture F and provided with a screw-threaded bolt G for securing said tongue rigidly to the bar of the plow by said bolt being passed through an aperture provided in said bar.

In order that there may be no downwardly-projecting shoulder formed at the forward end of the protector, the bottom of same is beveled, as shown at H, so that practically the bottom surface of the bar and protector is as smooth as though the bar was not reinforced.

The side walls C are separated only sufficiently to permit the close fitting between them of the bar K, so as to prevent any lateral movement of the protector.

The drawings herewith exhibit plainly the character and object of our device; but we may modify the same by providing a plurality of the tongues E, with corresponding bolts and apertures therefor in the bar, or we may provide said tongues on both walls C, or in lieu of the tongues we may construct the side walls C of a height equal to that of the bar K, the bolts being passed through both walls, being provided with rounded countersunk heads and secured by nuts bearing upon the outer surface of the inner wall. The number of bolts would of course be proportioned to the length of the bar, those in large plows being of considerable length. Our principle in each of said constructions is, however, the same, being a shoe or protector upon the rearward end of the bar, protecting the same from the scouring action of the ground.

Having thus described our invention, what we claim as new, and desire to secure by means of Letters Patent, is—

1. A plow-bar protector comprising a metal shoe formed with a bottom and side walls adapted to embrace the bottom and sides of a plow-bar, an end wall for said shoe, and a forwardly-inclined bottom in the open end of same, and means for fastening the said shoe to the plow-bar, substantially as described.

2. A plow-bar protector comprising a shoe formed of a single piece of material having side walls adapted to embrace the side walls of the plow-bar, an end wall, a bottom having its forward surface beveled, and an upwardly-extending lug formed on one of the said side walls having an aperture for the reception of a bolt, whereby the same is secured to the plow-bar, substantially as shown and described.

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Witnesses:

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