H. TATUM.

PLOW SWEEP HOLDER.

APPLICATION FILED JULY 11, 1914.

1,147,565. Patented July 20, 1915.

Fig. 1.

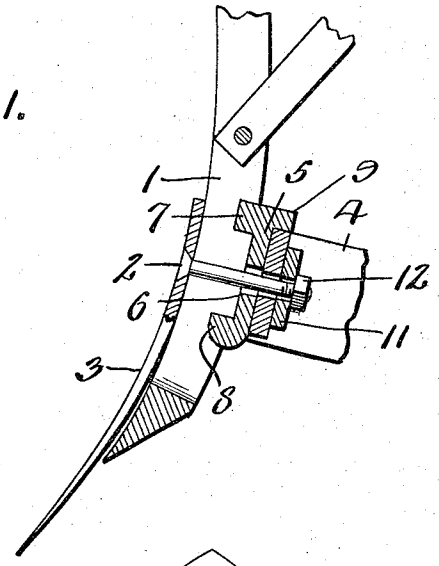


Fig. 2.

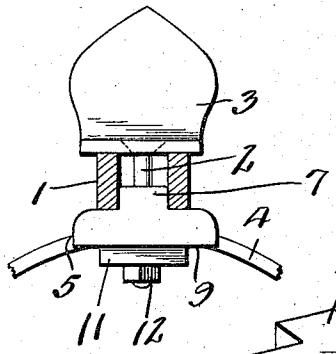


Fig. 3.

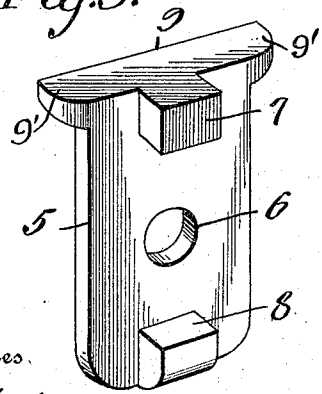
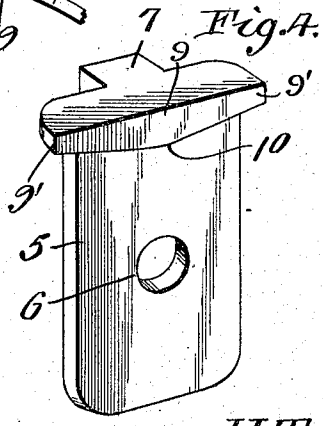


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

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PLOW-SWEEP HOLDER.

1,147,565. Specification of Letters Patent. Patented July 20, 1915.

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To all whom it may concern:

Be it known that I, HAMLING TATUM, a citizen of the United States, residing at Elba, in the county of Coffee and State of Alabama, have invented new and useful Improvements in Plow-Sweep Holders, of which the following is a specification.

The invention has relation to implements of the type of a plow or cultivator and more particularly to the means for securing the rear sweep to the standard or foot of the plow point or shovel in such a manner as to prevent movement of such sweep after the same has been adjusted and made secure by means of the usual heel bolt.

The invention consists of a holder of peculiar form having projections near its upper and lower ends to engage the plow foot or standard to prevent possible turning of such holder upon the heel bolt, such holder having a laterally extending flange or shoulder at its upper end to overlap the sweep or like part to retain the same upon the heel bolt against possible turning.

The invention consists of the novel features, details of construction and combination of parts, which hereinafter will be more particularly set forth, illustrated and claimed.

In the drawings hereto attached:—Figure 1 is a sectional view of the lower portion of a plow standard, shovel, rear heel sweep, and holder, showing the application of the invention. Fig. 2 is a horizontal section. Fig. 3 is a detail view in perspective of the holder as seen from the front. Fig. 4 is a perspective view of the holder as it appears from the rear.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings, by the same reference characters.

The numeral 1 designates a standard or foot of the type comprising transversely spaced members or formed with a vertical slot to receive the heel bolt 2 by means of which the plow point, shovel, or blade 3 and rear heel sweep 4 are retained in place. The shovel 3 and sweep 4 are usually placed the one in front and the other in the rear of the standard, the same being connected by means of the heel bolt 2 which passes through the openings of the parts 3 and 4 and through the slot of the standard or foot 1.

The holder consists of a plate 5 having an opening 6 for the passage of the heel bolt 2. Lugs 7 and 8 are formed upon the front side of the plate 5 in line with the opening 6 and are adapted to enter the slot or space of the standard or foot 1, thereby preventing any possible turning of the holder upon the heel bolt 2. A flange 9 projects rearwardly and laterally from the upper end of the plate 5, such flange being designed to overhang the upper edge of the rear heel sweep 4 and brace the same and prevent any possible turning of such sweep upon the heel bolt. The lower face of the flange 9 is beveled in oposite directions to present a V-shaped appearance, thus forming about midway between the ends of the flange an engaging edge 10 which, when the parts are assembled, will engage or abut upon the top edge of the sweep which will obviously be shaped to correspond. The lateral extensions 9′ of the flange 9 project beyond the side edges of the plate 5, thus giving an extended bearing for said flange upon the upper edge of the sweep 4, as best seen in Fig. 2, thus bracing the sweep much more securely than would be possible if the lateral extensions of the flange were omitted. The lower lug 8 is beveled upon its lower forward end so as to ride upon the earth and offer a minimum amount of resistance to the advance of the plow. A washer 11 is slipped upon the rear end of the heel bolt 2 and comes between the holder and the nut 12 by means of which the parts are retained in the adjusted position.

From the foregoing description, taken in connection with the accompanying drawings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention appertains, and while I have described the principle of operation of the invention, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative, and that such changes may be made when desired as are within the scope of the invention as claimed.

Having thus described the invention, what is claimed as new is:—

In an implement of the character described, a rear heel sweep holder, the same comprising a plate having a centrally disposed opening and having upper and lower forwardly extending lugs in line with such opening, the lower lug having its lower forward corner beveled, and such plate having at its upper end a rearwardly extending flange that projects laterally from the edges of the plate, said flange being oppositely beveled on its underside to form a sweep engaging edge.

In testimony whereof I affix my signature in presence of two witnesses.

HAMLING TATUM.

Witnesses:
M. W. DURR,
M. C. RUSS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."