989,729.

H. H. SWINDLE.

PLOW POINT MOUNT.

APPLICATION FILED AUG. 11, 1910.

Patented Apr. 18, 1911.

Fig. 1.

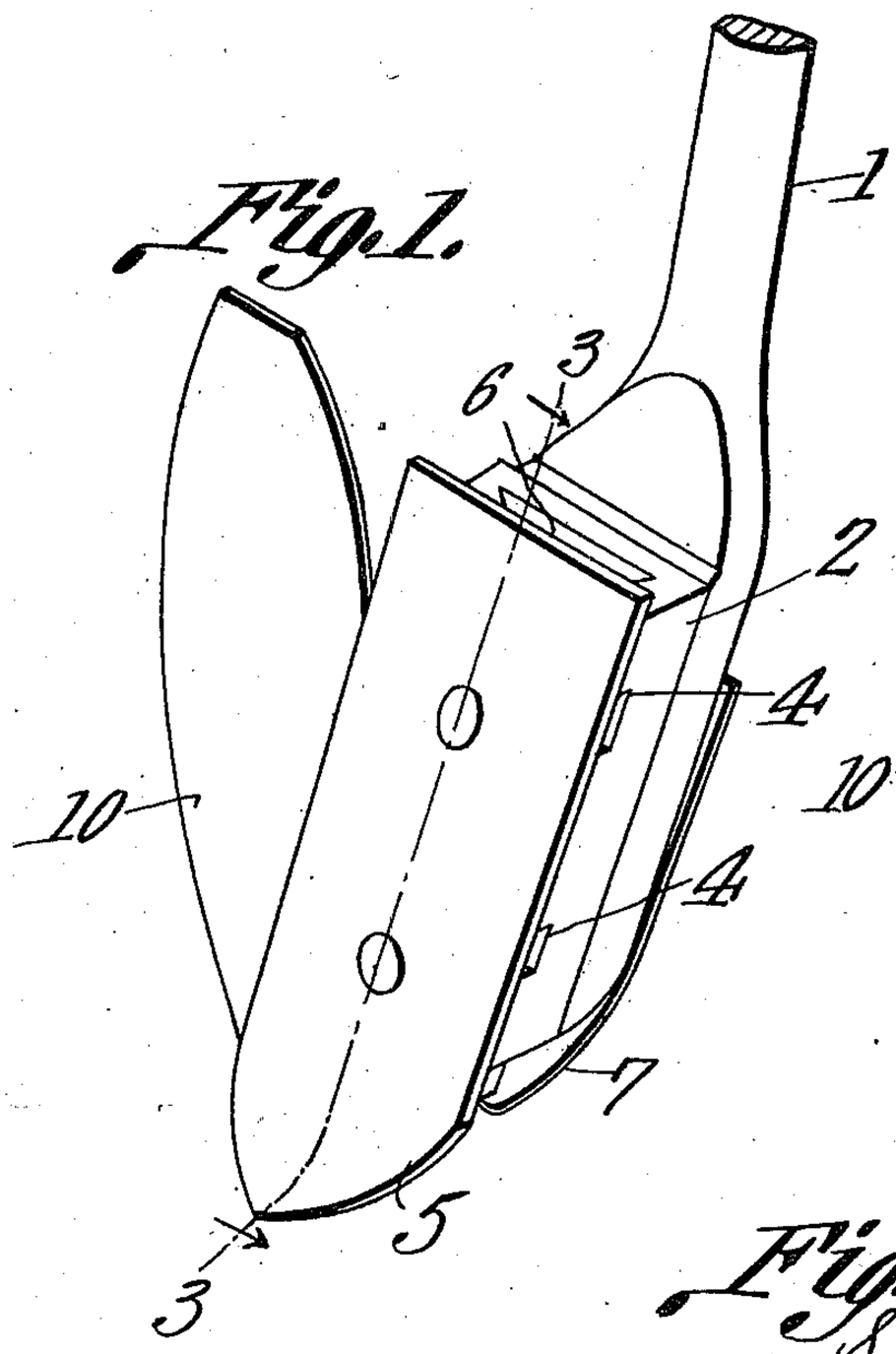


Fig. 2.

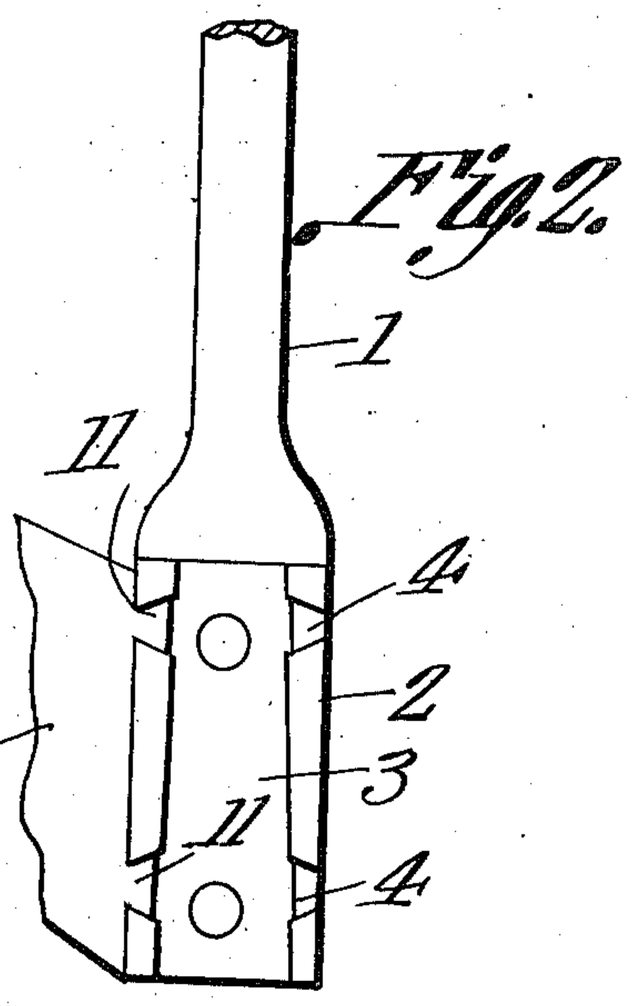


Fig. 4.

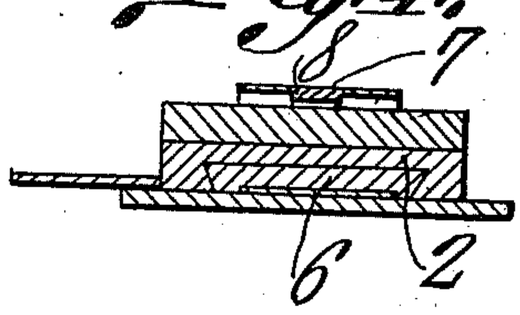


Fig. 6.

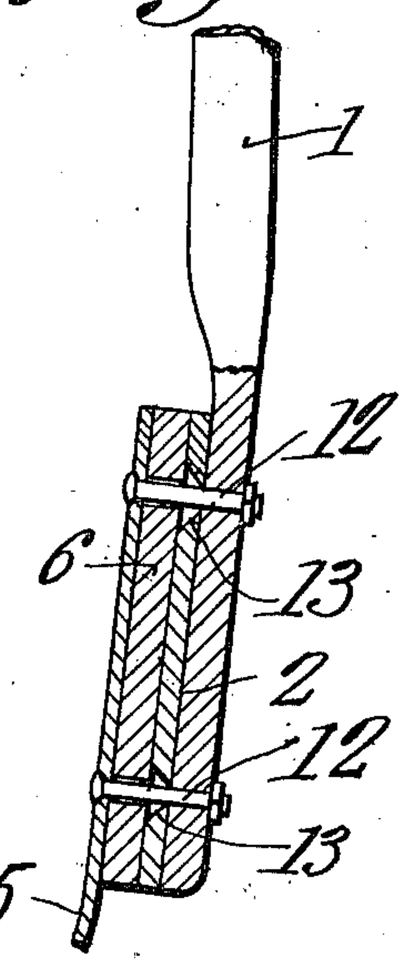


Fig. 3.

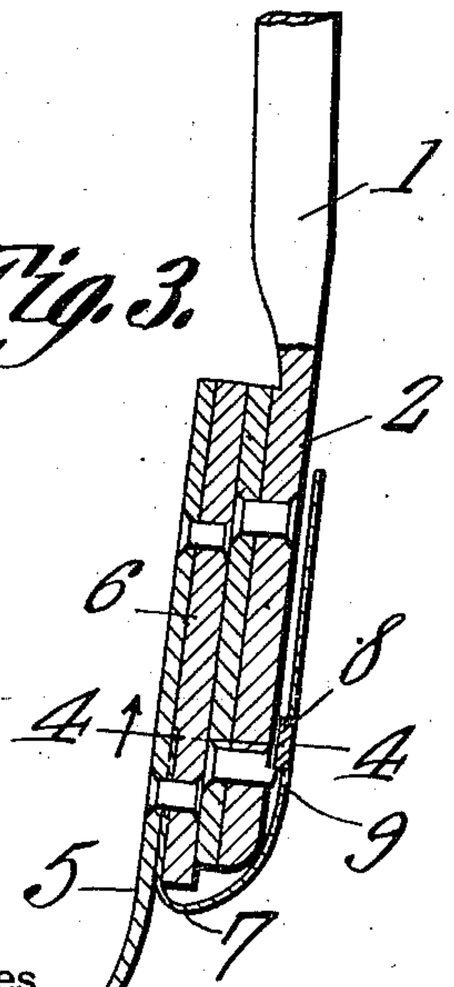
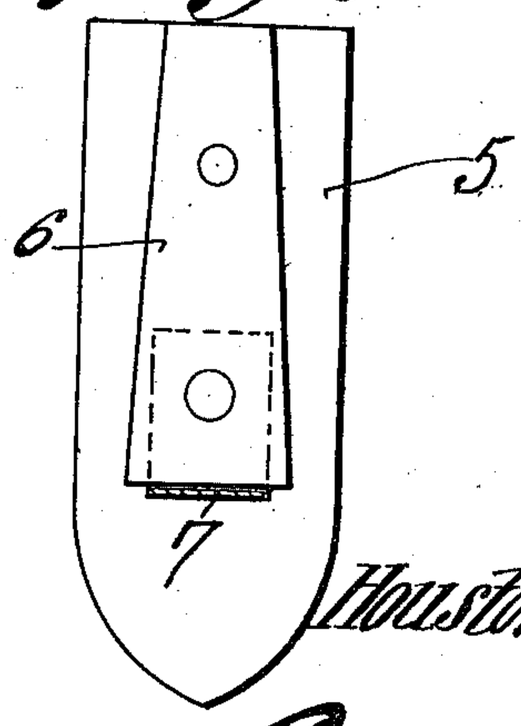


Fig. 5.



Witnesses

J. Steiner

E. C. Schladt

Houston H. Swindle,

Inventor

by Church & Co.

Attorneys

UNITED STATES PATENT OFFICE.

HOUSTON H. SWINDLE, OF TEMPLE, TEXAS.

PLOW-POINT MOUNT.

989,729. Specification of Letters Patent. Patented Apr. 18, 1911.

Application filed August 11, 1910. Serial No. 576,678.

To all whom it may concern:

Be it known that I, HOUSTON H. SWINDLE, a citizen of the United States, residing at Temple, in the county of Bell and State of Texas, have invented a new and useful Plow-Point Mount, of which the following is a specification.

This invention relates to a supporting mount for plow points and consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a mount of the character indicated which is of simple structure and upon which a plow point may be readily positioned and readily detached therefrom. Also the mount is provided with means whereby guide wings may be positioned thereon when it is desired to use the same.

With this object in view the mount consists of a shank having a slotted pallet located thereon and the plow point is provided with a web which is adapted to fit snugly within the slot of the said pallet. Securing means are provided for holding the point in position upon the pallet. The pallet is provided with slots which are adapted to receive lugs of wings which may be applied to the pallet when it is desired to use the same.

In the accompanying drawing:—Figure 1 is a perspective view of the plow point mount. Fig. 2 is a side elevation of the mount with the point removed. Fig. 3 is a vertical longitudinal sectional view of the mount cut on the line 3—3 of Fig. 1. Fig. 4 is a transverse sectional view of the mount cut on the line 4—4 of Fig. 3. Fig. 5 is an elevation of the rear side of the plow point detached. Fig. 6 is a vertical longitudinal sectional view of a modified form of the plow point mount.

The mount consists of a shank 1 which is provided at its lower end portion with a vertically disposed pallet 2. The pallet 2 is provided with a vertically elongated recess 3 the side edges of which converge toward each other at their upper ends and the upper end portion of the pallet and the said side edges are under cut or beveled as illustrated in Fig. 4 of the drawing. The side portions of the pallet 2 are provided with recesses 4 the sides of which converge toward each other at the outer edges of the said pallet. A plow blade 5 is provided upon its rear side with a web 6 which is adapted to fit snugly within the recess 3 of the pallet 2. The web 6 may be attached to the plow blade 5 or formed integrally with the same.

In the form of the invention as illustrated in Figs. 1, 3 and 4 of the drawing, a flat spring 7 is connected at one end with the blade 5 and web 6 and is bent back with its upper end portion disposed approximately in the same direction as the upper end portion of the blade 5. The spring 7 is provided upon its forward side and at a point between its ends with a forwardly disposed nib 8 which is adapted to engage a recess or projection 9 provided at the rear side of the pallet 2.

When it is desired wings 10 may be used in connection with the plow point mount above described and the said wings are provided at their inner edges with lugs 11 which are adapted to fit snugly in the recesses 4 provided at the side edges of the pallet 2. When the lugs 11 of the wings 10 are inserted in the recesses 4 of the pallet 2 and the web 6 is slipped longitudinally in the recess 3 so that the said web fits snugly in the said recess the edge portions of the plow blade 5 will bear against the forward sides of the lugs 11 and the inner edge portions of the wings 10, and thus the said wings 10 will be held in position upon the pallet 2. When the plow point 5 is positioned upon the pallet 2 in the manner indicated the intermediate portion of the spring 7 moves along the rear side of the said pallet and the nib 8 carried by the said spring will engage the notch or projection 9 and thus the parts will be held in proper relation to each other.

In the form of the invention as illustrated in Fig. 6 of the drawing, the blade 5 is held in position upon the pallet 2 by means of bolts 12 which pass transversely through the said point and the said pallet. The perforations in the pallet which receive the bolts 12 are concaved or beveled as at 13 and the said concaved surfaces of the perforations serve as guides for directing the bolts 12 through the perforations in the pallet in such manner as to properly draw the web 6 in close contact with the sides of the recess 3 provided upon the pallet 2.

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

1. In combination with a plow blade hav-

ing upon its rear side a longitudinally disposed web, a mount comprising a shank, a pallet mounted upon the shank and having a longitudinally disposed recess adapted to snugly receive the shank upon the blade and being provided at its side edges with laterally disposed recesses, the side walls of which converge toward each other at the edges of the pallet, means for securing the web in the first said recess, and a wing having at its edge lugs adapted to fit snugly within the laterally disposed recesses upon the pallet.

2. In combination with a blade having upon its rear sides a longitudinally disposed web, a mount including a shank, a pallet mounted upon the shank and having in its forward side a longitudinally disposed recess, the side edges of which converge toward each other at one end of the pallet, laterally disposed recesses located at the side edges of the pallet, the side walls of the last said recesses converging toward each other at the side edges of the pallet, the first mentioned recess in the pallet being adapted to snugly receive the web upon the blade, means for holding the web in the first mentioned recess upon the pallet and a wing having at its edge lugs adapted to snugly fit within the laterally disposed recesses provided upon the forward side of the pallet.

3. In combination with a blade having a web upon its rear side, a mount including a shank, a pallet located upon the shank and provided in its forward side with a longitudinally disposed recess adapted to snugly receive the web upon the blade, a spring attached to the blade and having a nib, said shank having a projection which is adapted to be engaged by the nib on the spring whereby the parts are held in proper relation.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

H. H. SWINDLE.

Witnesses:
P. C. BRANTLEY,
OSCAR GRUBBS.