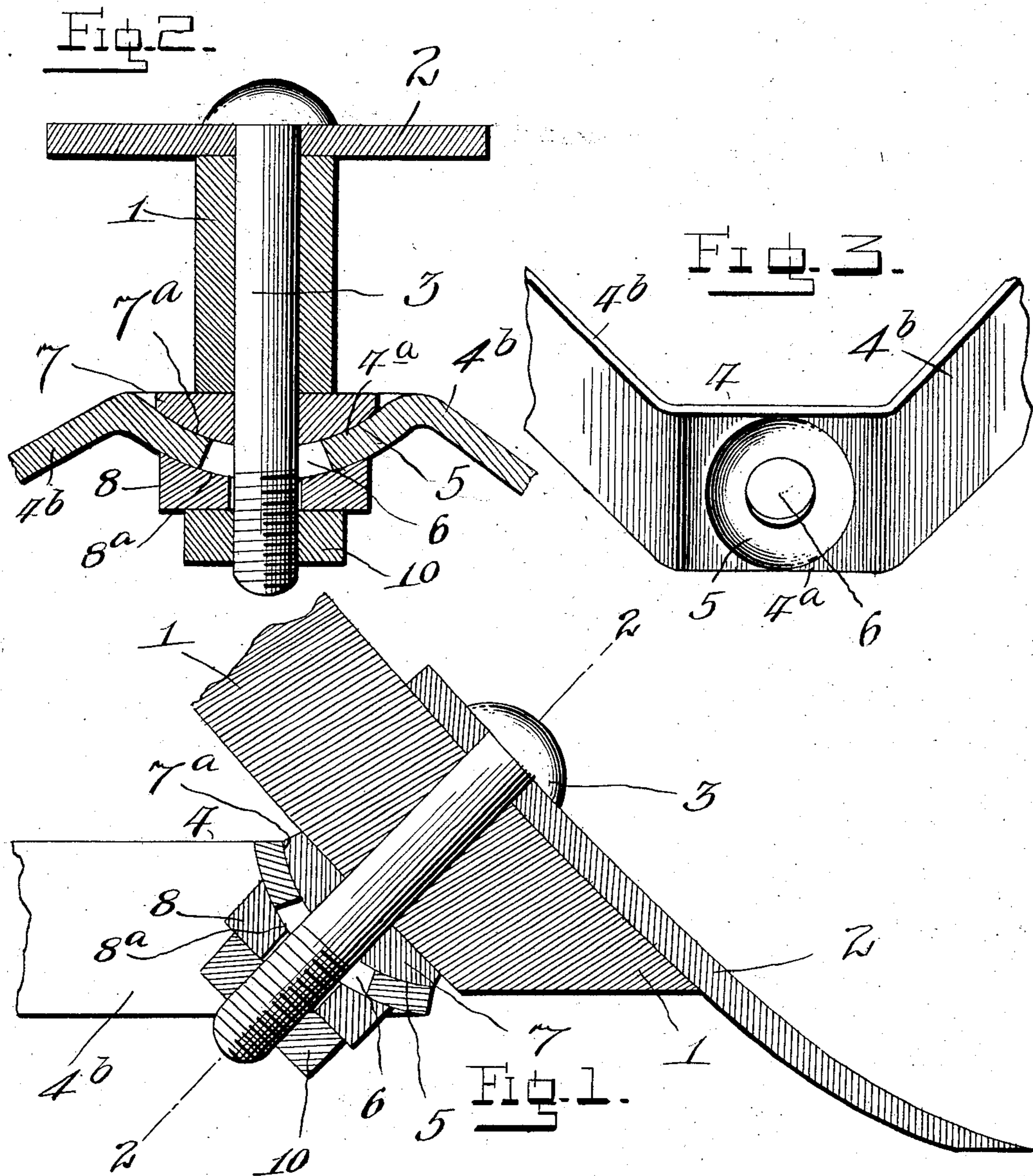


No. 751,369.

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E. L. ANSLEY.
HEEL SWEEP FOR PLOWS.
APPLICATION FILED APR. 16, 1903.

NO MODEL.



Witnesses
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EDWARD LITTLEBERRY ANSLEY, OF BEN WHEELER, TEXAS.

HEEL-SWEEP FOR PLOWS.

SPECIFICATION forming part of Letters Patent No. 751,369, dated February 2, 1904.

Application filed April 16, 1903. Serial No. 152,864. (No model.)

To all whom it may concern:

Be it known that I, EDWARD LITTLEBERRY ANSLEY, a citizen of the United States, residing at Ben Wheeler, in the county of Van Zandt and State of Texas, have invented certain new and useful Improvements in Heel-Sweeps for Plows; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in heel-sweeps for plows; and its object is to provide a device of this character which is simple in construction, durable in use, efficient in operation, and comparatively inexpensive of production, a further object being to provide a heel-sweep which may be adjusted at different angles to adapt the same for use in various kinds of work and upon soil of varying character.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a vertical longitudinal sectional view through the foot of the standard of a plow, showing my invention applied thereto. Fig. 2 is a transverse sectional view taken on the line 2 2 of Fig. 1, and Fig. 3 is a detail perspective view of the heel-sweep.

Referring more particularly to the drawings, the numeral 1 denotes the standard or stock of a plow, 2 the point or shovel, and 3 a bolt which secures the shovel to the standard.

The heel-sweep 4 comprises a central portion 4^a and rearwardly-diverging arms 4^b, and its central portion has a segmental or semi-spherical seat 5, which may be either a semi-spherical or concave depression, as shown in the drawings, or a semispherical or convex projection or bulge upon the front of the central portion. In the center of this seat 5 is an opening or aperture 6 of greater diameter than the bolt 3, which projects through it.

7 denotes a washer having a convex face 7^a, which is adapted to engage the concave

face of the seat 5, and 8 denotes a washer having a concave face 8^a, which is adapted to engage the convex face of the said seat 5.

In attaching the sweep to the plow the bolt 3 is passed through apertures in the shovel 2 and the standard 1. One of the washers is placed upon the bolt with its flat face bearing against the rear of the standard. The sweep 4 is then placed in position by passing the bolt through the aperture 6 in the seat 5. The other washer is slipped on the bolt, and the usual clamping-nut 10 is then secured upon the threaded end of the bolt to bind said parts together.

Owing to the shape of the seat 5 and the manner in which it is clamped between the washers, it will be seen that the sweep 4 may be adjusted universally at any desired angle and will be securely clamped in position upon the standard.

As stated, the seat 5 in the central portion may either have its convex face upon the under or rear side, as shown in the drawings, or upon its upper or front side. In the latter case the arrangement of the washers will be reversed from the showing in the drawings.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, operation, and advantages of my invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A sweep comprising a central portion and arms rigidly fixed thereto and diverging rearwardly therefrom, said central portion having a substantially semispherical seat and an opening extending through the center thereof, in combination with a plow-standard, a shovel on the front side thereof, a washer on the rear side of the standard, having a convex face engaging the seat of the sweep, a bolt passing through the shovel, the standard,

the washer, and the opening in the seat of the sweep, the diameter of the bolt being less than that of the opening to permit universal angular adjustment of the sweep, and clamping
5 means on the bolt engaging the rear side of the central portion of the sweep, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

EDWARD LITTLEBERRY ANSLEY.

Witnesses:

O. O. MORRIS,

H. E. WALLACE.