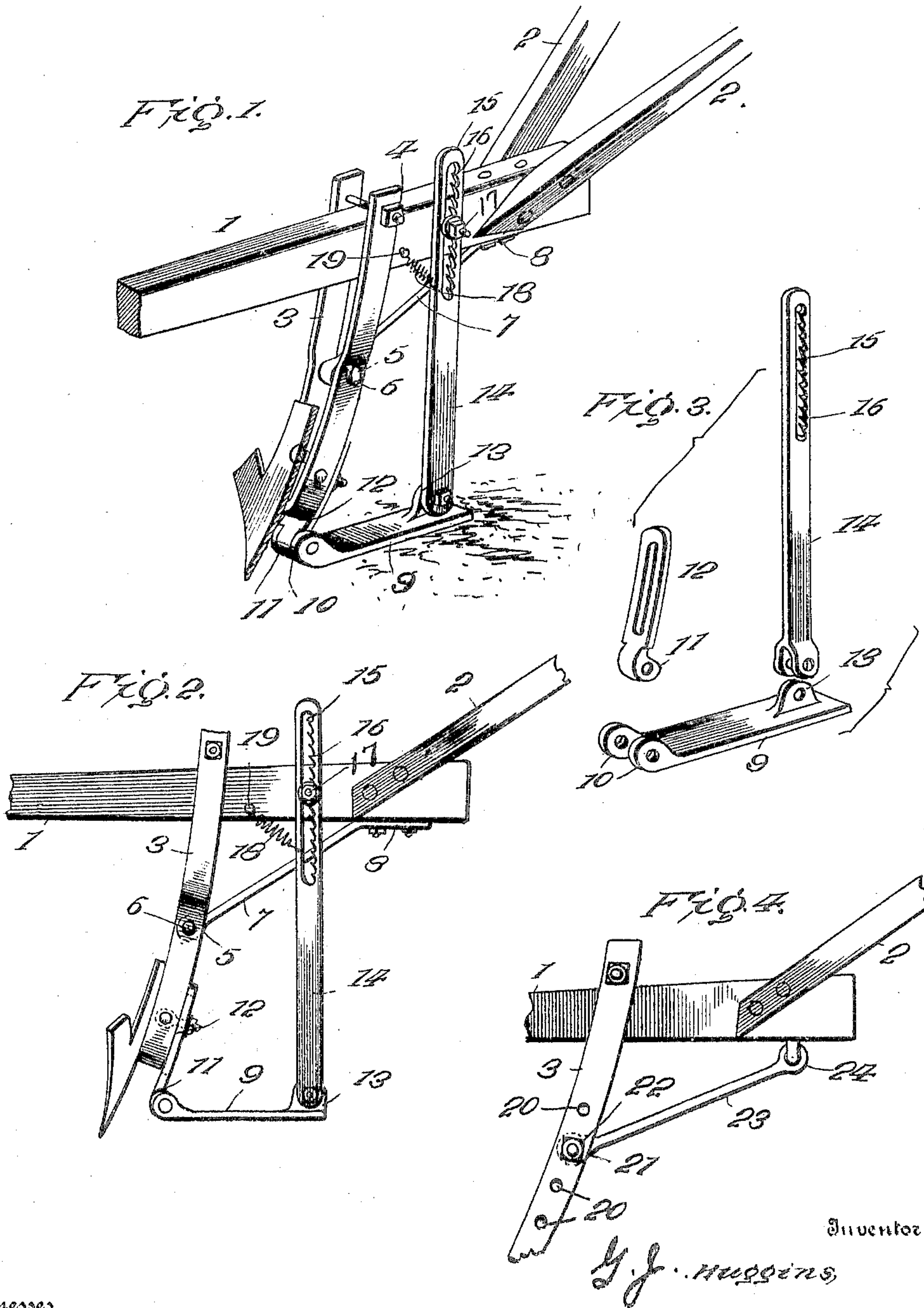


No. 804,405.

PATENTED NOV. 14, 1905.

G. J. HUGGINS.
PLOW HEEL.

APPLICATION FILED JULY 27, 1905.



Witnesses

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GEORGE J. HUGGINS, OF ALACHUA, FLORIDA.

PLOW-HEEL.

No. 804,405.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed July 27, 1905. Serial No. 271,495.

To all whom it may concern:

Be it known that I, GEORGE J. HUGGINS, a citizen of the United States, residing at Alachua, in the county of Alachua and State of Florida, have invented a new and useful Plow-Heel; and I do hereby 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.

This invention relates to plows, and more particularly to that part known as the "heel-slide," which is adapted to be secured in rear of the stock of a plow and adjustably held in position in such wise as to gage the desired depth of the plow-plate and at the same time to relieve the operator of the strain of holding the plow to prevent the same from plowing too deep.

Furthermore, the invention provides a device of this character whereby the sliding heel may be applied to any ordinary plow-stock, whether it be made of wood or metal.

The invention comprises still further means whereby the plow-stock may be adjusted to any desired angle, which will also regulate the desired depth of the plow when the same is being used.

The invention comprises other and further objects, advantages, and combinations of elements, which will be hereinafter more fully described and then particularly pointed out in the appended claim.

My invention is illustrated in the accompanying drawings, which, with the figures of reference marked thereon, form a part of this application, and in which—

Figure 1 is a perspective view of a plow with the invention applied thereto and in readiness for use. Fig. 2 is a side elevation of the attachment upon an enlarged scale. Fig. 3 is a detail view of the sliding heel and the connection between the heel and the plow-beam. Fig. 4 is a detail perspective view of the plow-stock.

Reference now being had to the details of the drawings by figures, 1 designates the beam of an ordinary plow, having any preferred form of handles 2 and also any preferred form of attachment, whereby said plow may be provided with a doubletree whereby the plow may be drawn. Straddling the plow-beam and pivotally mounted therewith is a plow-stock 3, which is forked, so that the same may straddle the plow-beam, as shown clearly in Fig. 1 of the drawings. The forked

portion of the plow-stock is apertured to receive a screw-threaded bolt 4, which is provided with a nut to securely clamp said plow-stock in the desired position.

Pivotally mounted, as at 5, upon a bolt 6 is a brace 7, the other end of which is bolted to the under side of the plow-beam, as at 8. This brace is for the purpose of allowing the plow-stock to have a pivotal movement, so as to gage the desired angle of said stock. Adapted to fall in the rear of said plow-stock is a sliding heel 9, one end of which is bifurcated, as at 10, to receive the lug 11 upon an elongated slotted link 12. The other end of the sliding heel is provided with a vertically-disposed ear 13, adapted to be received by the bifurcation of a rod 14, the end of which is provided with a longitudinal slot 15, one side of said slot being provided with teeth 16, which are adapted to engage a bolt 17. This construction is for the purpose of adjusting the bar 14 vertically, so as to lower or raise the rear part of the sliding heel. To securely hold the teeth upon one side of the slot 15 in engagement with the bolt 17, a suitable spring 18 is provided, one end of which is attached to the rod 14 and the other end attached, as at 19, to the plow-beam. The elongated slotted link 12 is provided with a bolt which is adapted to be inserted through the slot of said link and also through the plow-stock and then through the plow-plate, after which a suitable nut is fitted to the threaded end of said bolt, whereby the plow-plate and the elongated slotted link may be adjustably held in position with relation to the plow-stock.

From the foregoing description of the details of the invention and the combination and arrangement of the different elements the operation of the invention will be readily understood by reference being had to the details of the drawings.

Of course it is distinctly understood that various changes can be made in the details of construction and combinations of parts other than those illustrated in the accompanying drawings, if desired, without in any way departing from the spirit and scope of the invention.

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

In a device of the class described and shown, the combination of a plow-beam, having a plow-stock, which is pivotally and adjustably held therewith, a brace in the rear of said

stock, one end of which is pivotally connected to the under side of the plow-beam, and the other end adjustably and pivotally held between the opposite sides of said plow-stock, 5 said plow-stock being provided with the usual plow-plate, a sliding heel in the rear of said stock, one end of which is bifurcated to receive a lug upon one end of an elongated slotted link, said link being bolted upon the 10 rear side of the plow-stock, a rod, one end of which is pivotally mounted upon a lug at the rear of the sliding heel, and its other end provided with a slot, one edge of which being

provided with teeth for engagement with a suitable bolt to allow for vertical adjustment 15 of said rod, and a spring to securely hold the teeth upon one edge of the slot in engagement with said bolt, substantially as shown and described and for the purpose set forth.

In testimony whereof I have hereto affixed 20 my signature in the presence of two witnesses.

GEORGE J. HUGGINS.

Witnesses:

A. R. CAIN,
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