

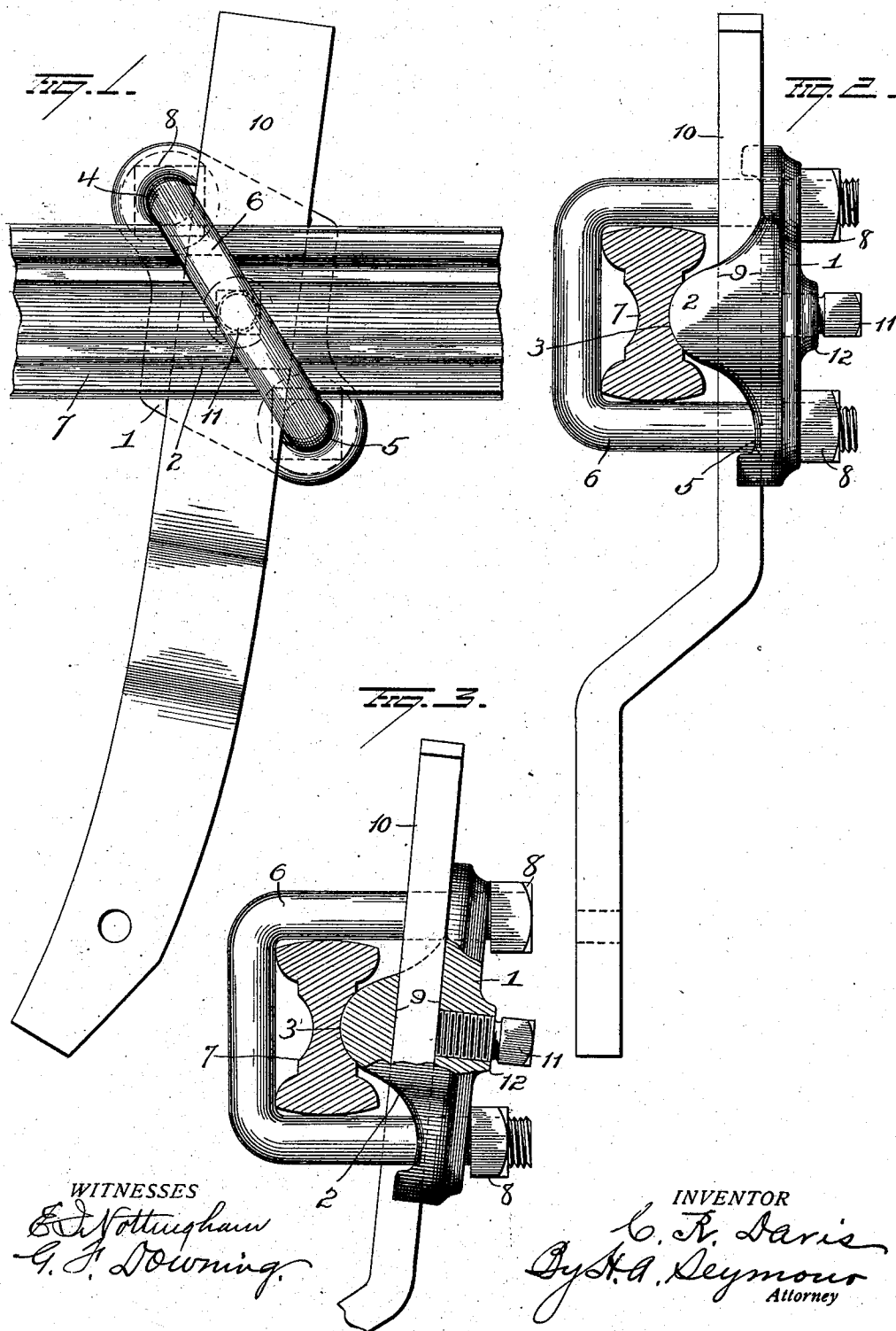
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C. R. DAVIS.

PLOW.

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WITNESSES

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CALVIN R. DAVIS, OF SOUTH BEND, INDIANA, ASSIGNOR TO OLIVER CHILLED PLOW WORKS, OF SOUTH BEND, INDIANA.

PLOW.

No. 893,311.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CALVIN R. DAVIS, of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Plows; 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.

My invention relates to improvements in plows and more particularly to jointer holders therefor,—one object of the invention being to provide a jointer holder in which the vertical and lateral adjustments can be effected independently of each other.

A further object is to provide a device of the character described which shall be simple in construction; comprise few parts, and which shall be easy to adjust.

A further object is to so construct a jointer holder that, when clamped to the plow beam, will not be liable to shift or change its position under heavy strain when at work.

With these objects in view the invention consists in certain novel features of construction and combinations of parts as hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1 is an elevation showing the application of my improvements to a plow beam. Fig. 2 is a sectional view, and Fig. 3 is a similar view showing the lateral adjustment of the jointer.

My improved holder comprises a plate 1, having in its central portion an enlargement 2, the outer face 3 of which is convex. Holes 4—5 are provided in the plate or casting 1 above and below the convex enlargement 2 and approximately in line with the respective ends of said enlargement, for the passage of the arms of a U-bolt 6, by means of which the holder is secured to a channeled plow beam 7. The free ends of the arms of the U-bolt are threaded for the reception of nuts 8 which abut against the face of the plate or casting 1. The convex enlargement 2 is provided with a vertical slot or opening 9 through which the shank 10 of the jointer passes. This shank, and consequently the

jointer, can be secured at any desired vertical adjustment by means of a set screw 11 passing through a boss 12 on the plate or casting 1 and engaging said shank.

It will be seen that by loosening one and tightening the other nut 8 on the clamping U-bolt, the holder will be thereby rocked on the plow-beam and this will accomplish the lateral adjustment of the jointer and the latter may be adjusted in or out of line with the landside of the plow base as the case may require. Such lateral adjustment will be permitted on account of the convex bearing of the holder against the channeled plow beam.

From the construction and arrangement of parts as above described, it will be noted that the vertical and lateral adjustments are independent of each other, and this is important for the reason that when the jointer is adjusted in proper line with the plow base, said jointer may be raised or lowered as required without interfering with the lateral adjustment and vice versa.

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

1. In a jointer holder, the combination of a plate or casting having an opening for the passage of the shank of a jointer, means for securing said shank to said plate at any desired vertical adjustment, and means for adjustably securing the device to a plow beam.

2. In a jointer holder, the combination of a plate or casting provided on one side with a convex enlargement having a vertical opening for the passage of the shank of a jointer, means for securing said shank to the plate or casting at any desired vertical adjustment, said plate or casting provided with holes above and below said convex enlargement, a U-bolt having its arms passing through said holes, and nuts on the free ends of the arms of the U-bolt, substantially as and for the purpose set forth.

3. The combination with a plow beam, of a plate mounted to rock thereon, means for securing said plate in position, and means for securing a jointer shank to said plate at any desired vertical adjustment.

4. The combination with a plow beam, of
a plate mounted to rock on one side thereof,
means for securing a jointer shank to said
plate at any desired adjustment, and means
5 engaging said beam and plate for rocking the
latter and securing it to the side of the beam
to hold the vertically adjustable jointer at
different lateral adjustments.

In testimony whereof, I have signed this
specification in the presence of two subscrib- 10
ing witnesses.

CALVIN R. DAVIS.

Witnesses:

FRANCIS C. NIPPOLD,
A. A. FREDERICK.