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No 880,636

PATENTED MAR. 3, 1908.

P. DEEVY.

ADJUSTABLE SOLE PLATE FOR PLOWS.

APPLICATION FILED OCT. 14, 1907.

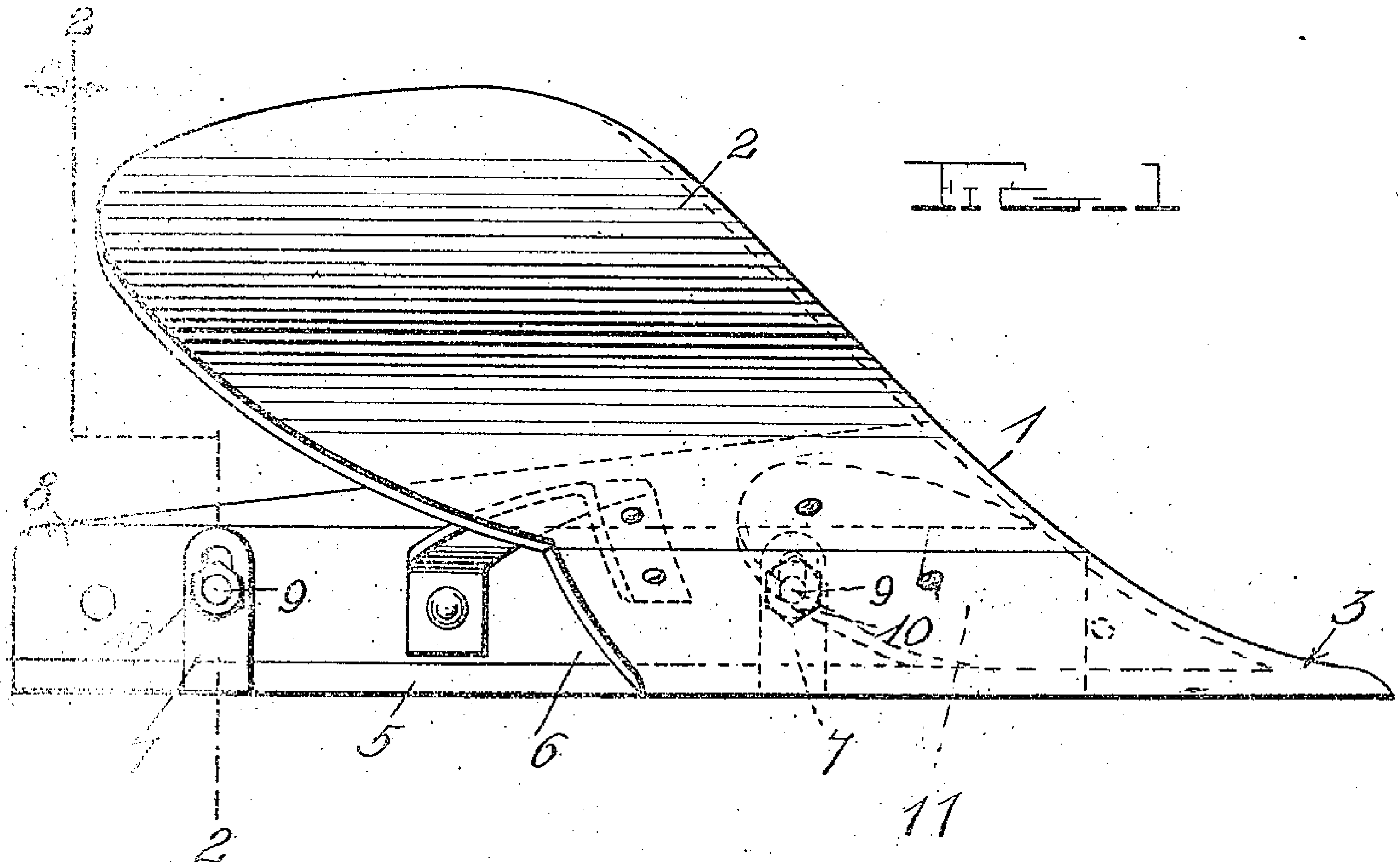

Fig. 1

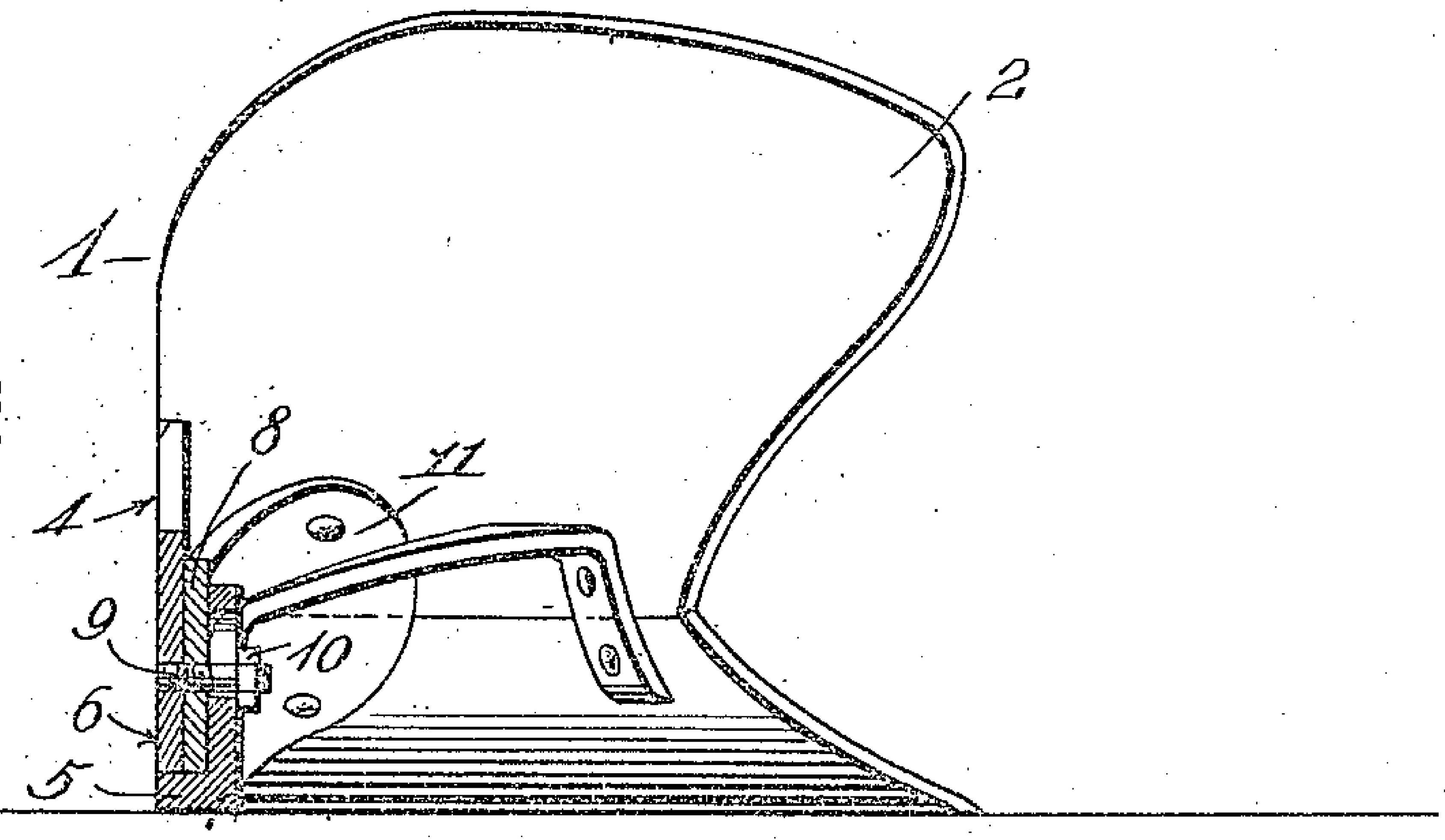

Fig. 2

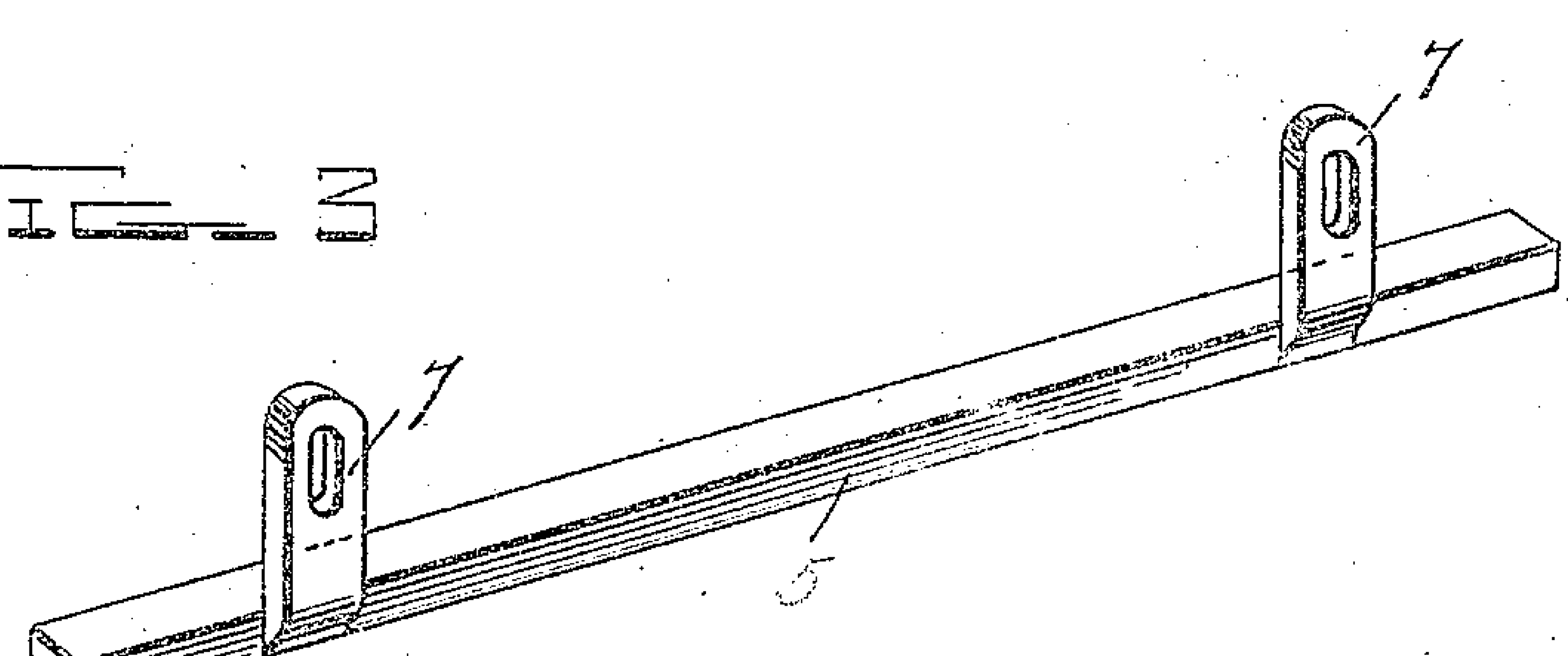

Fig. 3

Witnesses

[illegible]

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UNITED STATES PATENT OFFICE.

PATRICK DEEVY, OF MELROSE, IOWA.

ADJUSTABLE SOLE-PLATE FOR PLOWS.

No. 880,636. Specification of Letters Patent. Patented March 3, 1908.

Application filed October 14, 1907. Serial No. 397,402

To all whom it may concern:

Be it known that I, PATRICK DEEVY, a citizen of the United States, residing at Melrose, in the county of Monroe and State of Iowa, have invented certain new and useful Improvements in Adjustable Sole-Plates 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.

This invention has relation to new and useful improvements in adjustable sole plates for plows.

The principal object of the invention is the production of simple and economical means, whereby the life of a plow may be materially prolonged.

A further object is to provide means whereby the plow may be caused to run evenly and whereby the plowshare may be caused to run at a greater or less depth.

With the foregoing and other objects in view, that will readily appear, as the nature of the invention is better understood, the invention consists in the novel features of construction, combination and arrangement of parts illustrated in the drawings and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1 is a view in side elevation of a plow provided with my improvements. Fig. 2 is a cross-section cut on the line 2—2 of Fig. 1; and Fig. 3 is a detail perspective view of the adjustable sole piece.

In the embodiment illustrated, the numeral 1, indicates the plow which comprises the usual mold board plowshare and land side, 2, 3 and 4, respectively.

5, indicates the sole plate which is arranged under the lower edge of the land side. Said plate is of the same thickness as the landside and when first applied in position its lower edge is flush with the lower edge of the vertical portion, 6, of the plowshare. Said sole plate is provided at its inner side edge with two longitudinally spaced vertically slotted upright extensions, 7, the purpose of which will be shown. A rectangular plate, 8, is arranged on the inner face of the landside and is provided with two inwardly extending laterally projecting threaded studs or extensions, 9, adapted to be received by the slots of the slotted extensions of the sole plates. Nuts, 10, are screwed on the threaded extensions or lugs, 9, whereby the sole plate may be adjustably secured in position. The front or forward end of the plate 8 is preferably formed with an obliquely disposed bearing portion 11, which fits under the mold board and plow share and is riveted or otherwise secured in such position. By this construction not only may the plate be securely fastened in position, but a secure and firm joint formed for the meeting edges of the mold board and plow share.

By the construction illustrated and described, it will be readily perceived that the sole plate may be adjusted to compensate for wear and to cause the plow to run level at all times. It will also be seen that the plow point may be caused to run at greater or less depth by adjusting the rear end of the sole plate.

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

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

A plow of the character specified, embracing a longitudinally disposed supporting plate arranged on the inner face of the landside, said plate being formed at its forward end with an obliquely disposed rearwardly extending enlarged portion, designed to fit under the meeting edges of the mold board and plow share, said enlarged portion providing a support and joint for such meeting edges and part of the fastening means for the supporting plate, a sole plate arranged under the landside, means for connecting the sole plate with the supporting plate, said means comprising longitudinally spaced threaded members extending laterally from the inner face of the supporting plate, longitudinally slotted extensions formed on the inner side edge of the sole plate to receive said threaded members, and nuts adapted for screwed engagement with the threaded members.

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

PATRICK DEEVY.

Witnesses:
JOHN H. O'BRYAN,
JOSEPH L. BATES.