(No Model.)

G. T. BROWN.

FASTENER FOR PLOW POINTS.

No. 353,119. Patented Nov. 23, 1886

Fig. 1.

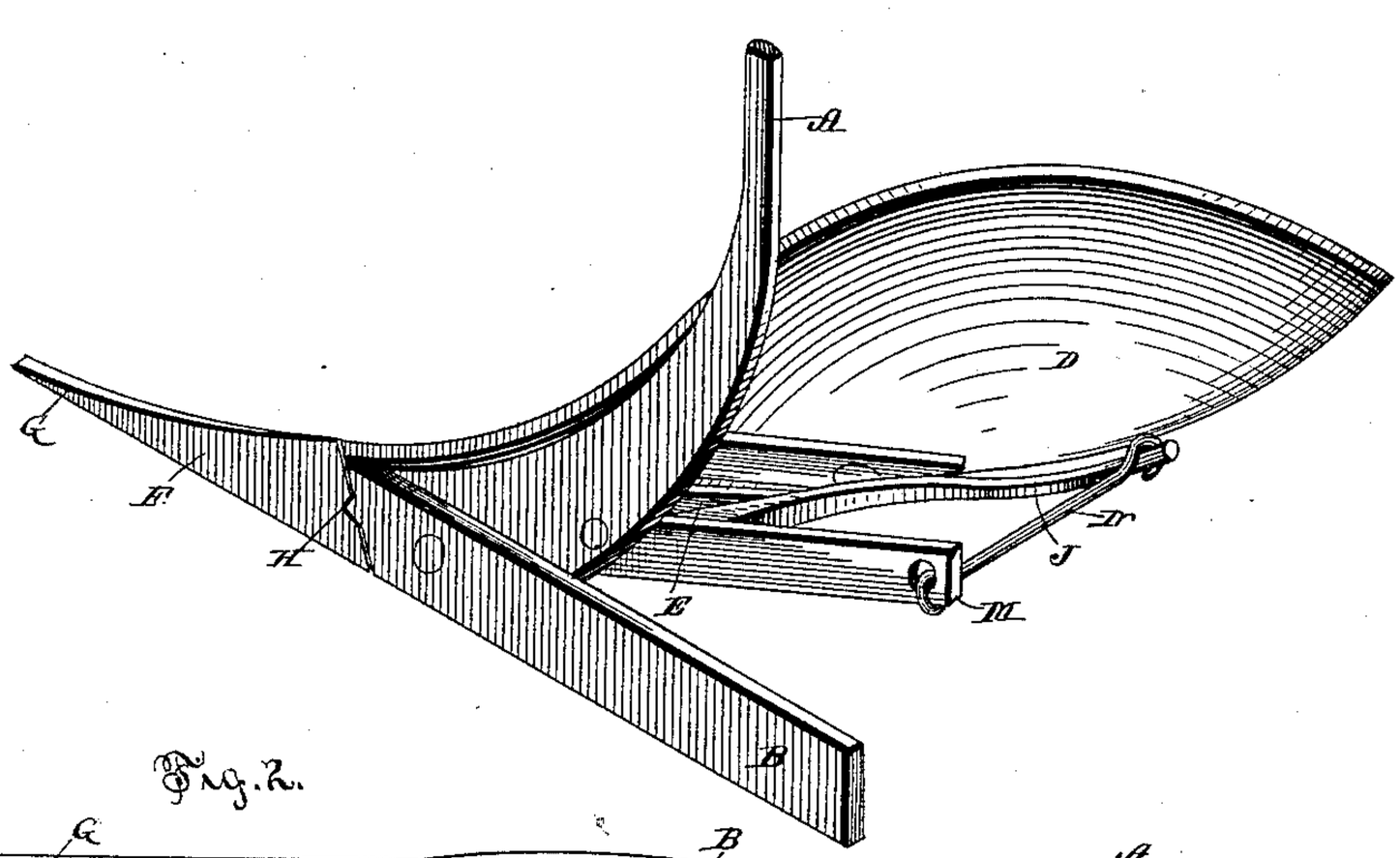

Fig. 2.

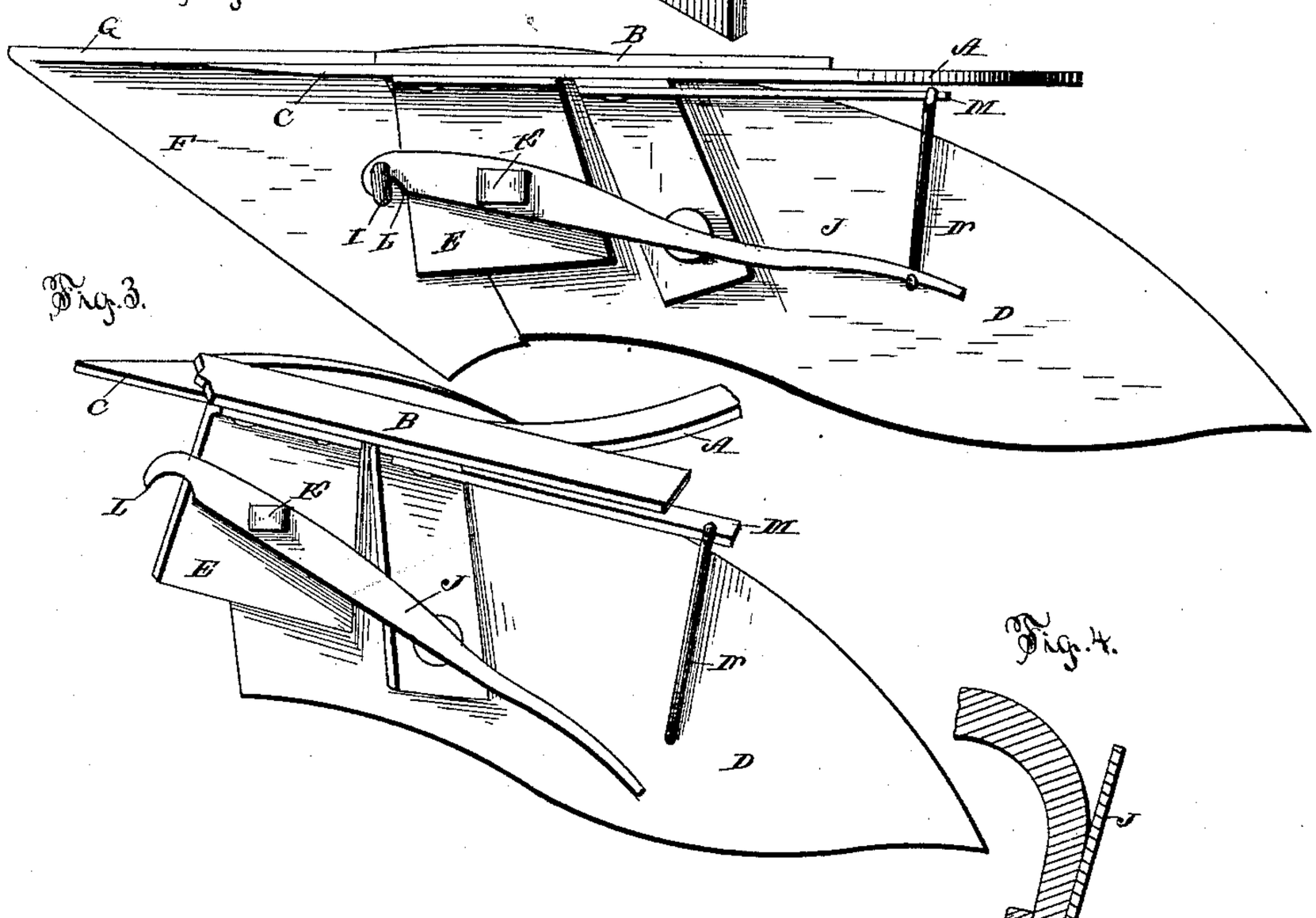

Fig. 3.

Fig. 4.

WITNESSES
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UNITED STATES PATENT OFFICE.

GEORGE THOMAS BROWN, OF ROUND ROCK, TEXAS.

FASTENER FOR PLOW-POINTS.

SPECIFICATION forming part of Letters Patent No. 353,119, dated November 23, 1886.

Application filed July 17, 1886. Serial No. 208,265. (No model.)

To all whom it may concern:

Be it known that I, GEORGE THOMAS BROWN, a citizen of the United States, and a resident of Round Rock, in the county of Williamson and State of Texas, have invented certain new and useful Improvements in Fasteners for Plow-Points; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view, seen from the rear, of a plow provided with my improved fastening for plow-points. Fig. 2 is a bottom view of the same. Fig. 3 is a perspective view, seen from the under side, slightly to the land side, of the plow, with the point detached; and Fig. 4 is a vertical sectional view of the device applied to a cultivator-shovel.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to fasteners for plow-points; and it consists in the improved construction and combination of parts of a fastening in which the point or share of the plow is provided with a hook which is engaged by the hooked end of a lever pivoted upon the inner side of the mold-board, and provided with a spring at its other end drawing the spring into engagement, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the standard, to the forwardly-curved lower portion of which the landside B is secured, the said landside extending to a distance from the end of the standard, and having a forwardly-projecting lug or lip, C, upon its forward end.

D is the mold-board, which is secured in the usual manner to the standard, and this mold-board is provided upon the inner side of its lower forward edge with a projecting lip, E, against which the under side of the upper or rear edge of the share or point F may rest. This share is provided with a narrow tapering flange, G, at the landside edge, and the rear end of the flange is formed with a notch, H, which fits upon the lug upon the forward end of the landside, the flange fitting over the forward end of the standard.

The under side of the mold-board portion of the share is provided with a hook, I, having its end projecting toward the landside-flange, and a lever, J, is pivoted upon a stud, K, projecting from the inner side of the mold-board near the projecting lip, having a hook, L, at its forward end, with which it may engage the hook upon the share or point.

A rearwardly-projecting spring, M, is secured to the inner side of the standard, and has a link or eyed bar, N, movably secured to its rear end, and the eye at the free end of this link or bar may engage the rear end of the lever, drawing the lever into engagement with the hook upon the point. It will thus be seen that the point or share may be placed in position upon the lip of the mold-board and upon the forwardly-projecting end of the standard, the notch in the rear end of the landside-flange fitting upon the lip upon the forward end of the landside, and the hooked end of the lever may be tilted into engagement with the hook upon the inner side of the point, when the eye of the link or bar may be drawn so as to engage the rear end of the lever, holding the lever in position engaging the hook.

It follows that any other form of spring may be used for holding the lever in position; but the flat spring having the link or eyed bar is the most preferable form, as it is not liable to be clogged by dirt or otherwise to become disabled by use; but a spiral spring or any other construction of spring may be used, if preferred, without departing from the spirit of my invention.

For fastening cultivator-shovels the hook upon the plow-point is replaced by a staple, as shown at O, Fig. 4, which staple is engaged by the hooked end of the lever, and the forward edge of the standard is provided with a suitable lip or hook, P, for holding the upper end of the shovel to the standard.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, with a plow-body, of a

point having a hook upon its under side, a lever pivotally secured to the under side of the mold-board, a spring secured to the standard, and a link secured to the free end of said spring and engaging with the rear end of said lever.

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

GEORGE THOMAS BROWN.

Witnesses:
J. H. BRIGGS,
JAS. A. FOYIL.