

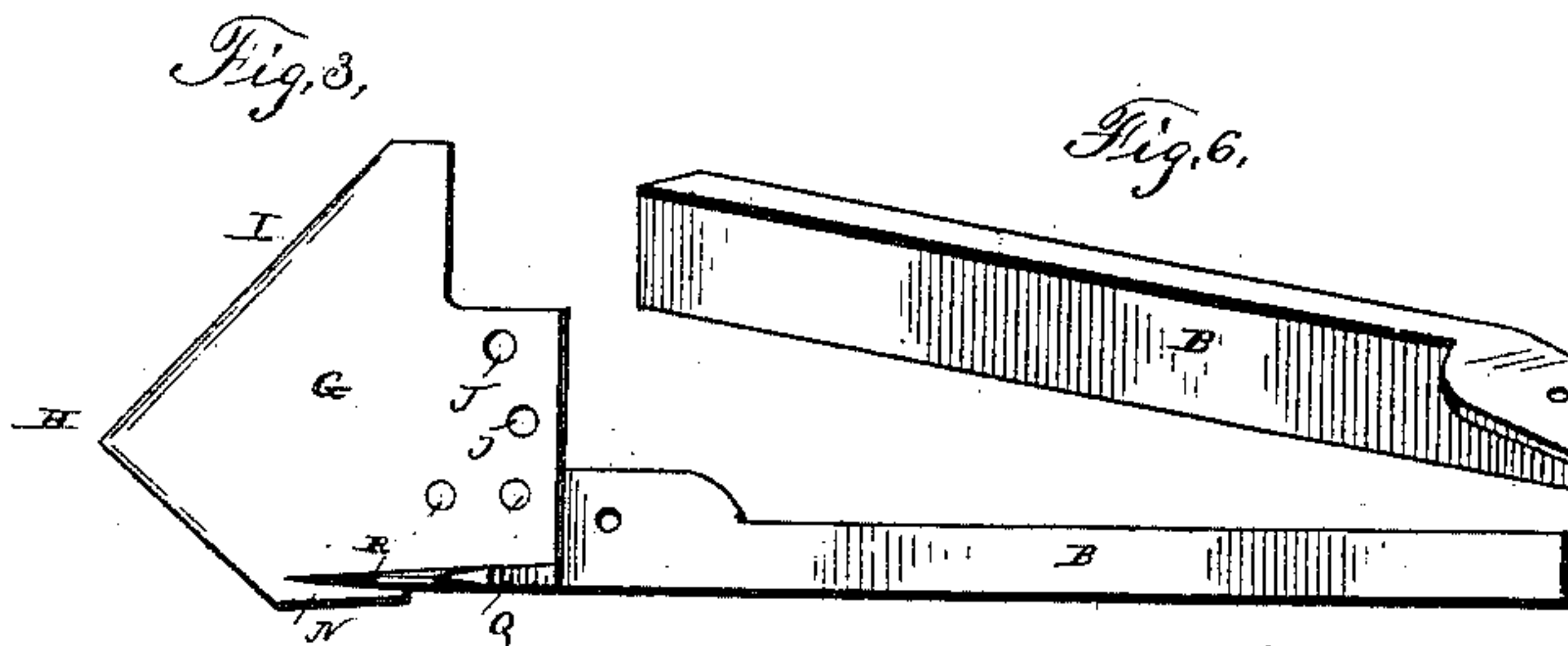
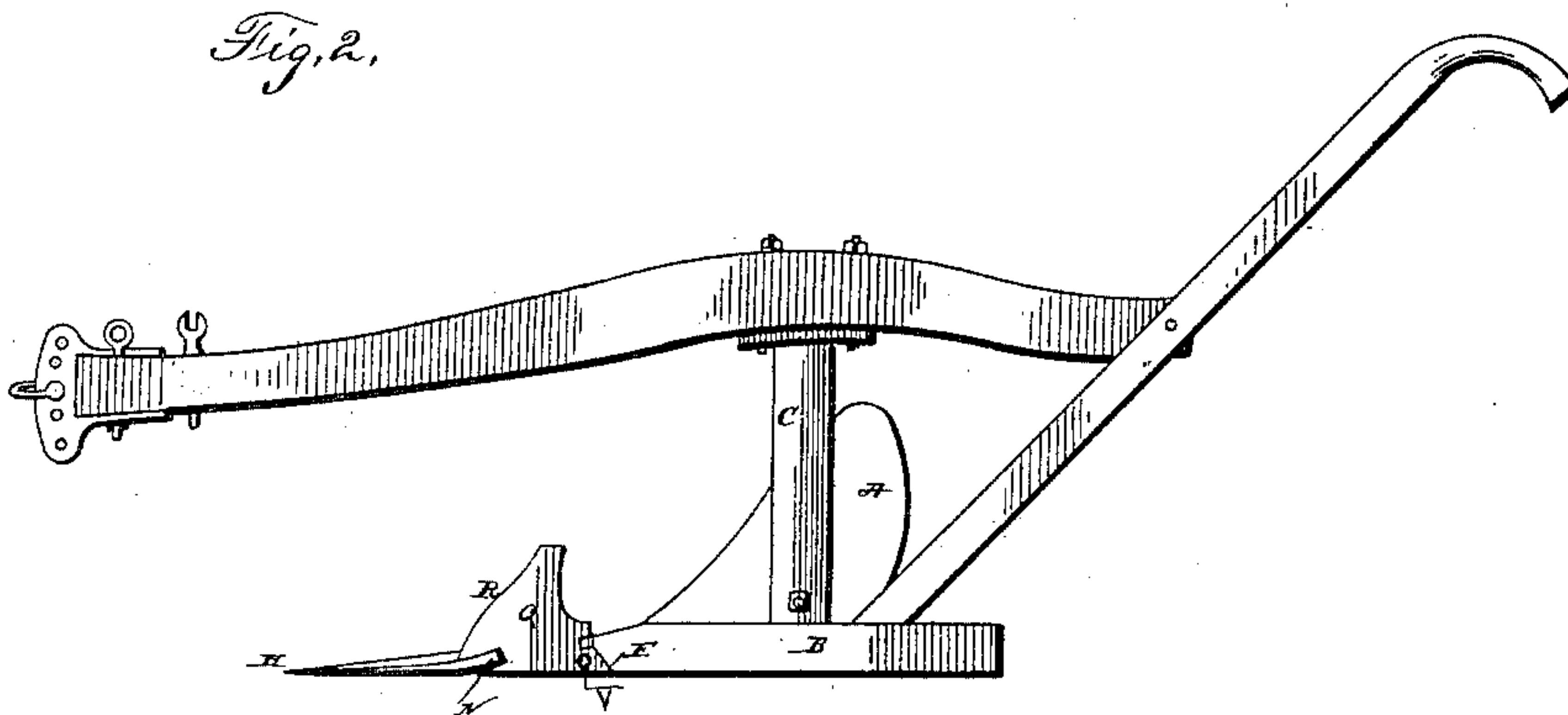
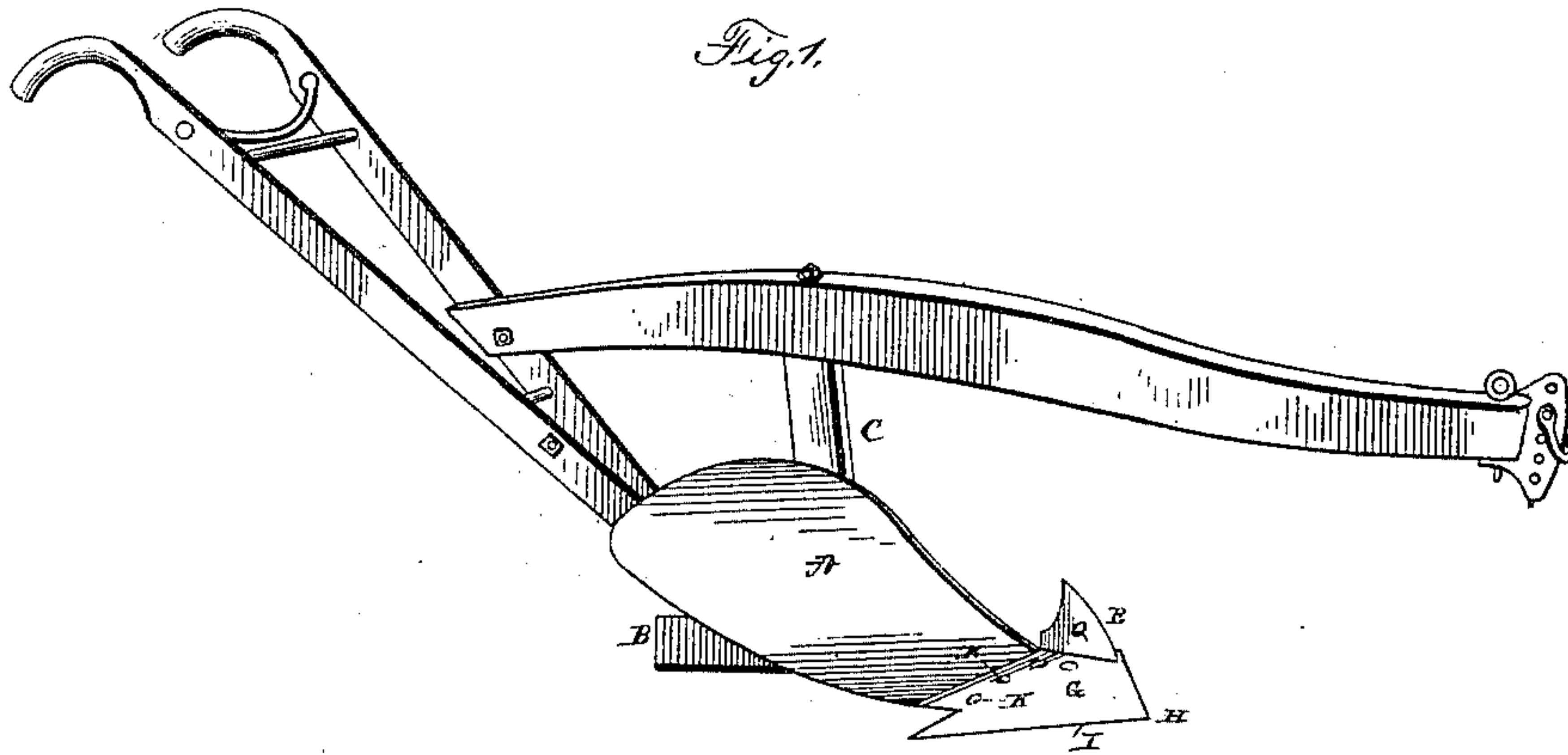
(No Model.)

A. R. TOMLINSON.

PLOW.

No. 339,080.

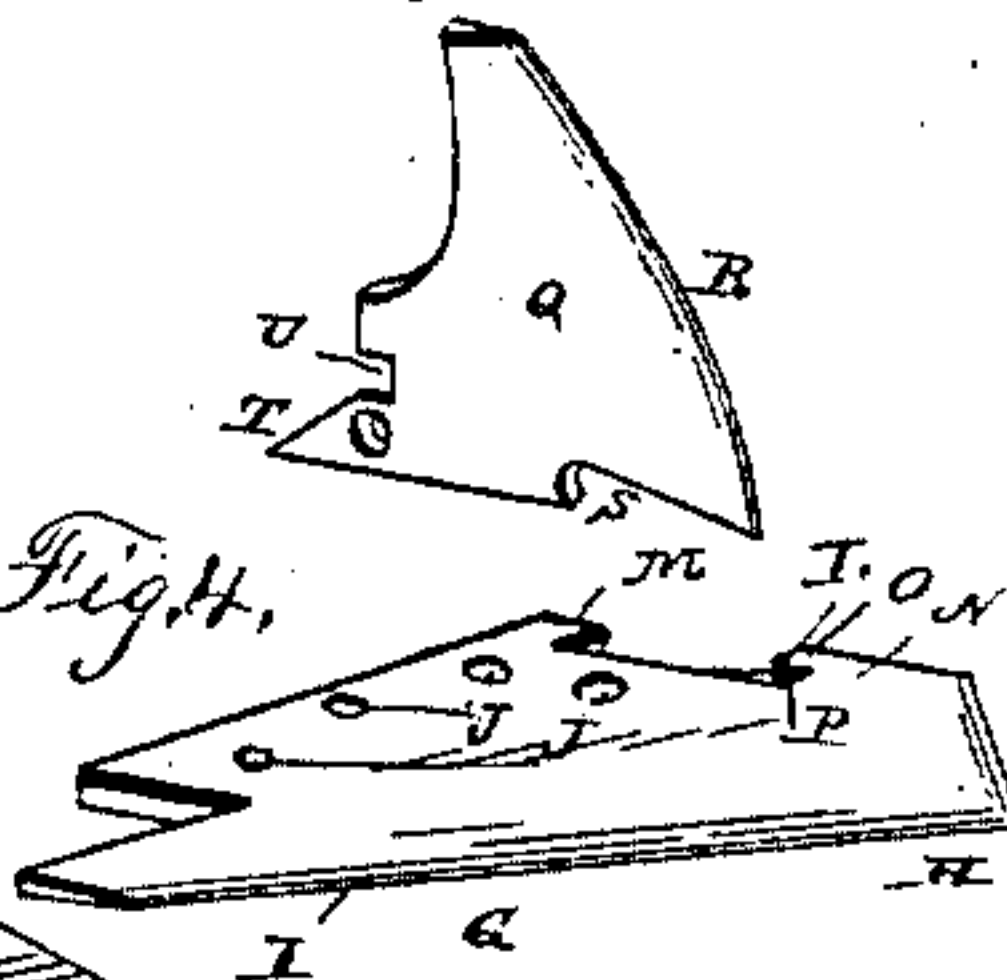
Patented Mar. 30, 1886.



*Fig. 6.*

*Fig. 5.*

*Fig. 4.*



WITNESSES

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# UNITED STATES PATENT OFFICE.

ALBERT ROSS TOMLINSON, OF SEVERY, KANSAS.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 339,080, dated March 30, 1886.

Application filed January 21, 1886. Serial No. 189,265. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT ROSS TOMLINSON, a citizen of the United States, and a resident of Severy, in the county of Greenwood and State of Kansas, have invented certain new and useful Improvements in Plows; 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 of a plow provided with my improved colter and share. Fig. 2 is a side view of the land side of the plow, showing the colter and its fastening to the share. Fig. 3 is a top view with the mold-board and the standards removed; and Figs. 4, 5, and 6 are respectively detail views of the share, the colter, and of the bar forming the sole of the landside.

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

My invention has relation to that class of plows having a flat laterally-projecting share, and having a colter projecting upward from the share; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the mold-board, B indicates the bar, and C indicates the forward standard of the plow, and all these parts have the construction and function generally found in plows.

The forward end of the bar is provided with a laterally-projecting flat plate, D, having a slight incline forward and projecting toward the side of the mold-board, and the bar is furthermore formed at its forward end with a recess, E, having its inner forwardly-facing shoulder, F, inclined rearward.

The share G has a triangular forward edge, H, and is bolted with its rear portion to the flange upon the bar, and the portion of the share which points toward the furrow projects to form a cutting portion, I, while the rear portion of the share is formed with bolt-holes, J, into which the bolts K, which secure the mold-board to the share, are inserted. The land-side edge of the share is formed with

a recess or notch, L, registering with the recess in the forward end of the bar, and the rear end of this recess or notch is formed by a lip, M, while the forward end of the notch is formed by a wider lip, N, having a rearwardly-projecting lip, O, which forms a notch, P, in the forward end of the notch or recess. The colter Q is formed with an inclined and sharpened forward edge, R, and with an oblique notch, S, in the forward portion of its lower edge, with which notch the colter may fit into the notch P in the forward end of the recess in the edge of the share, and the rear edge of the colter is formed with a lower oblique portion, T, which fits against the inclined shoulder of the recess in the bar, and with a notch, U, into which the lip M of the share at the rear end of the notch in the edge of the same may fit. The colter is furthermore secured to the recessed portion of the bar by means of a bolt, V, passing through the rear lower corner of the colter into the recessed portion of the bar. It will be seen that this laterally-projecting share will enable the plow to sever and to turn a much wider furrow than a plow with a narrow share, the share cutting a furrow of its own width, which furrow will be turned by the mold-board, even if the said mold-board is not constructed to turn a furrow of such a width, if used with a narrow share, and the furrow being perfectly severed and cut perfectly loose it will be more completely turned and with greater ease than a furrow which is simply started by the usual construction of shares.

The colter will assist in severing the furrow from the land, and by severing it from below will cause the plow to pass through the soil with greater ease, and to cut a cleaner furrow than a plow not provided with this colter.

The colter and share will assist in steadying the plow, and will especially adapt the plow for use in turning sod or breaking new meadow or other grass-growing land, which is penetrated with roots of plants and interwoven parts of plants.

The colter will be securely held by the share, besides, by its bolt, and the share will be braced by the mold-board, so that the entire plow will be compact and strong.

The point of the share is to the side of the plane of the land side, and this will place the



forward point of the plow in the middle of the furrow, instead of at the land side of the same, placing the point in the central line between the handles, rendering the plow steadier in its passage through the soil and easier to force into the ground than the plow provided with its share-point in a line with the landside, as it is only necessary to raise the heel of the plow by the handles for the purpose of forcing the plow into the ground, while in the plow with the share-point in a line with the landside the plow must at the same time be tilted somewhat toward land to enable it to bite into the soil.

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

The combination of a triangular pointed share having a notched recess upon its land side, a bar having a recess at its point upon the land side, and a vertical colter having a notched recess at its lower front portion and a notch and a lip at its rear, said pieces being provided with holes for securing the same to the plow, as shown and described. 25

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

ALBERT ROSS TOMLINSON.

Witnesses:

HENRY BLACK,  
S. A. WEIR.