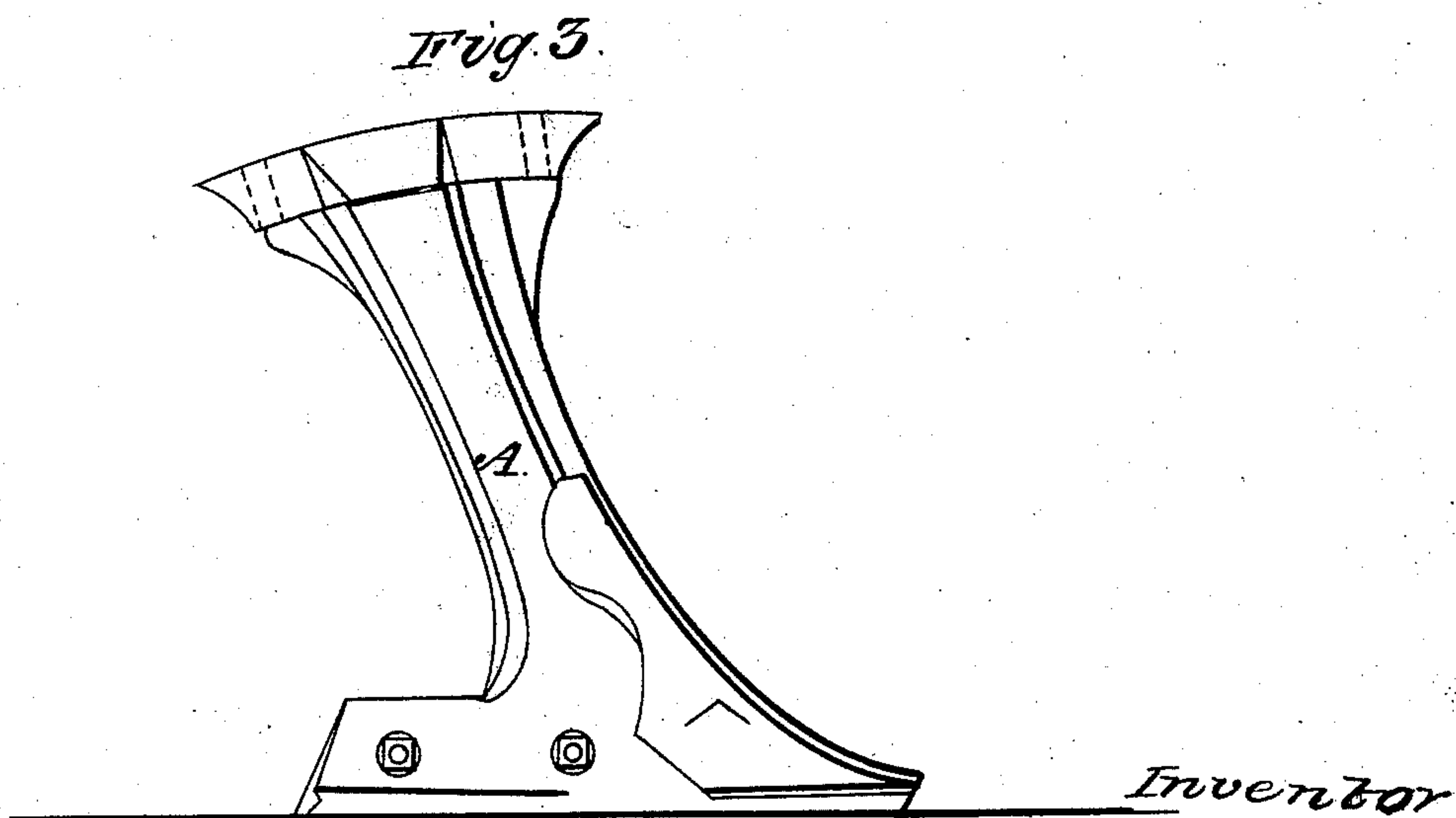
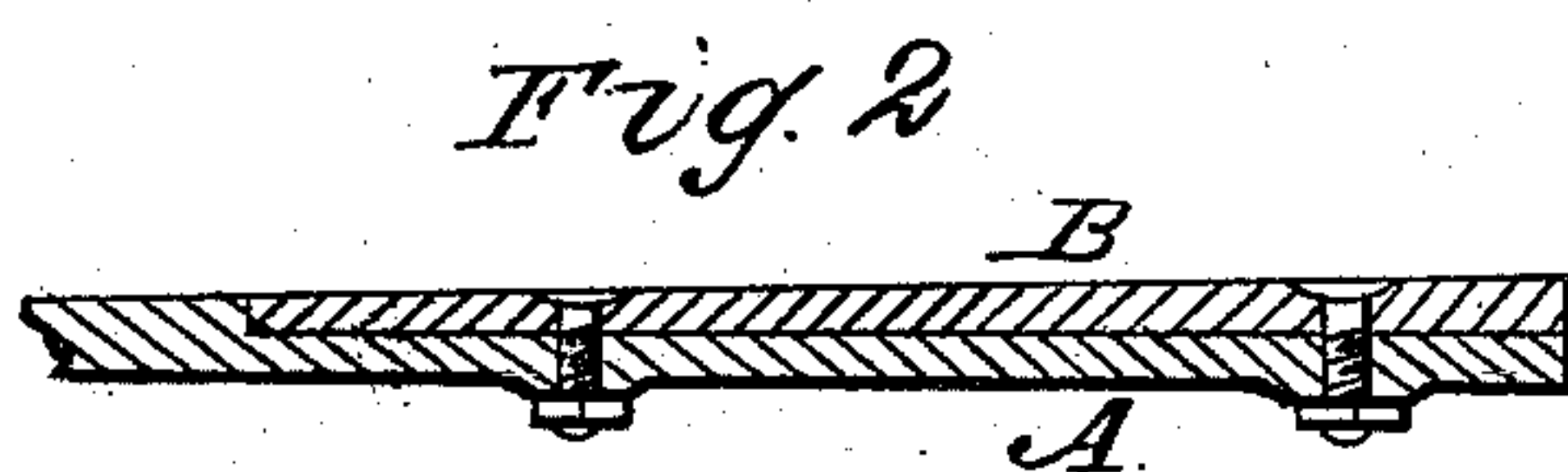
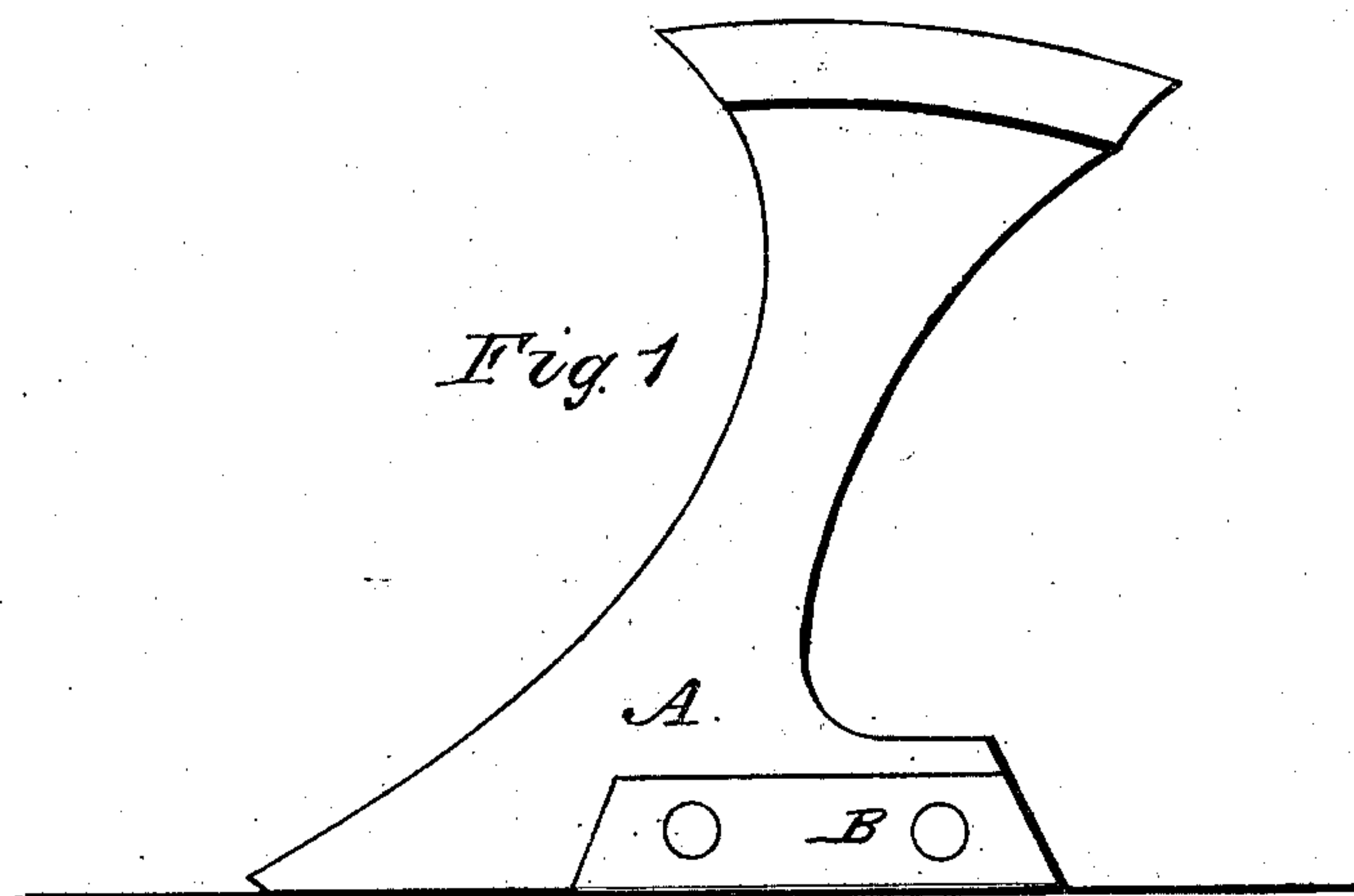


T. E. C. BRINLY.

Plow.

No. 99,830.

Patented Feb. 15, 1870.



Witnesses
J. H. Sprague
Geo. J. Eils

Inventor
T. E. C. Brinly
D. P. Holloway & Co.
Attys.

UNITED STATES PATENT OFFICE.

T. E. C. BRINLY, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **99,830**, dated February 15, 1870.

To all whom it may concern:

Be it known that I, T. E. C. BRINLY, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a land side elevation of a cast-iron helve or standard for plows with my improved heel attached thereto. Fig. 2 is a horizontal section thereof. Fig. 3 is a side elevation.

Corresponding letters refer to corresponding parts in the several figures.

My invention relates to the combination, with a cast-iron standard for plows, of a wrought-steel or wrought-iron plate or heel, secured to the lower rear portion of the land side of such standard to prevent the rapid wear of the latter. Heels of this description and for a like purpose have been used heretofore; but as far as I am aware they have never been made of wrought-steel or wrought-iron, but always of cast metal, and such cast-iron heels are objectionable, because on inserting a new one in an old and somewhat worn standard it will project beyond the same, causing an increase in the draft of the plow. By making the heel of wrought-iron or steel it can be hammered down at any time by the driver or plowman to make it flush with the standard.

In the drawings, A represents a cast-iron helve or standard of a plow, to the upper portion of which the beam and handles are secured. Its lower front end is provided with a flange, as shown in Fig. 3, to which the share and mold-board are to be fastened. In the rear end of this lower part a recess is to be formed in the land side to receive the plate or heel B. This latter is to be made of wrought metal, either steel or iron, so that, on wearing out one, another can be supplied by any blacksmith.

The heel is to be made flush with the land side of the standard, and to this end the heads of the bolts by which it is secured are sunk into it, as shown in Fig. 2.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the cast-iron standard A and the wrought-metal heel-piece B, when the former is provided with a recess for the latter, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

T. E. C. BRINLY.

Witnesses:

J. B. WILLIAMSON,
W. B. HARDIN.