

(No Model.)

E. MURRAINE.

PLOW.

No. 376,543.

Patented Jan. 17, 1888.

Fig. 1.

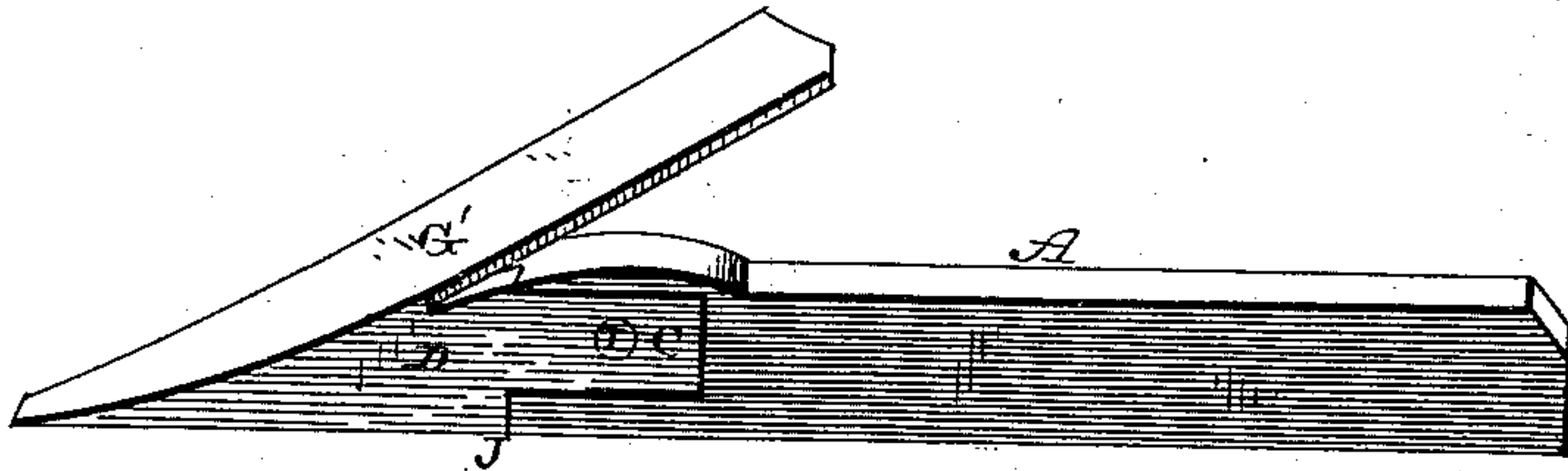


Fig. 2.

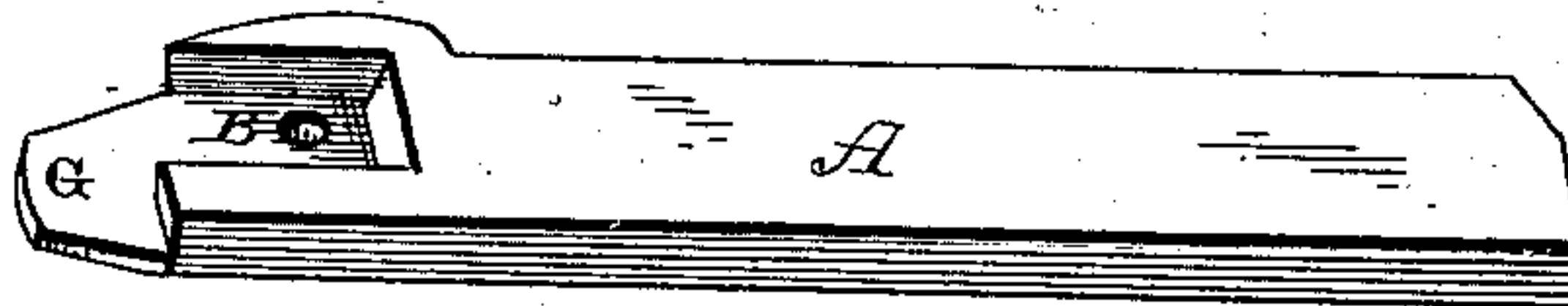
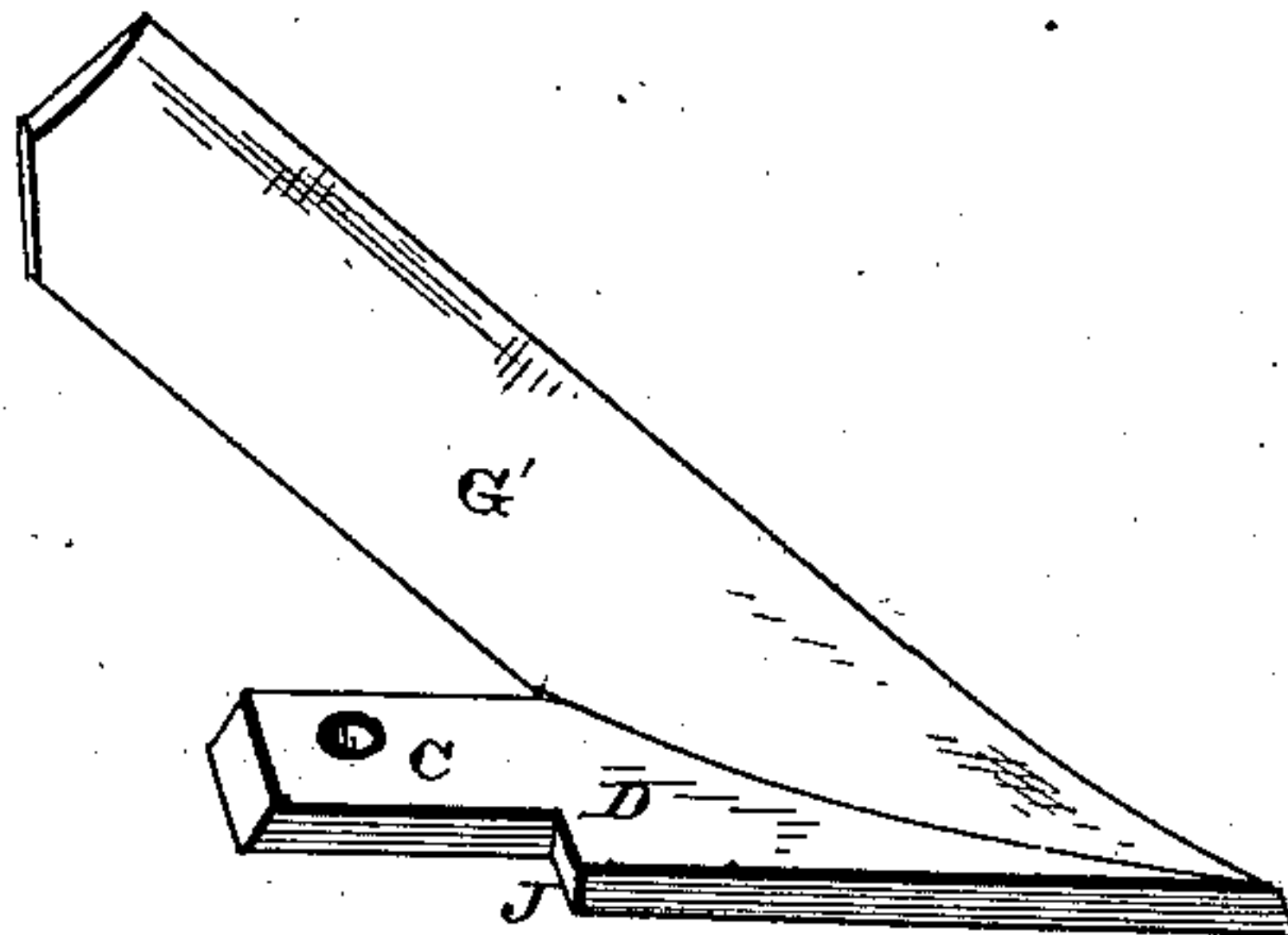


Fig. 3.



WITNESSES.

R. J. Gardner
Edm. P. Ellis,

Inventor.

Edw. Murrain.

per

J. A. Lehmann,

Atty.

UNITED STATES PATENT OFFICE.

EDWARD MURAINÉ, OF HURON, DAKOTA TERRITORY.

PLOW.

SPECIFICATION forming part of Letters Patent No. 376,543, dated January 17, 1888.

Application filed October 11, 1887. Serial No. 252,025. (No model.)

To all whom it may concern:

Be it known that I, EDWARD MURAINÉ, of Huron, in the county of Beadle and Territory of Dakota, 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in plows; and it consists in the combination of the main part of the landside, having a groove formed in its front end, with the point of the landside, which is made in a separate and distinct piece and is welded to the point or lay, and which has a shank on its rear end, which extends back into the groove formed in the front end of the main part of the landside, and which pieces are then secured together by means of a suitable bolt, as will be more fully described hereinafter.

The object of my invention is to form the landside in two separate and distinct parts, the front part of which is secured to the point, so as to form a part thereof, and thus do away with the frog, and at the same time act the same as a solid bar-lay.

Figure 1 is a perspective of the landside and point complete. Fig. 2 is a perspective of the main portion of the landside by itself. Fig. 3 is a perspective of the front portion of the landside.

A represents the main or long portion of the landside, which is made widest and heaviest at its front end, and which has a groove, B, formed in its outer side, so as to receive the shank C upon the rear end of the short piece D of the landside. This groove will be of any desired width, depth, or shape; and extending from the front end of the part A beyond the front end of the groove is the extension G, which fits against the inner side of the front

part, D, and acts both as a brace and as a support to the under side of the lay G'.

The front part, D, of the landside has its top front edge shaped so as to have the lay G' welded thereto, and is provided with the shank which fits in the groove B of the part A, as shown in Fig. 1. After the shank has been inserted into the groove, a bolt, I, is passed through the two parts, so as to secure them rigidly together. The lower edge of the front part, D, comes just flush with the bottom of the part A, and upon this part D is formed a shoulder, J, against which the front end of the part A bears. The parts A and D, being fitted together in the manner here shown, form as solid and substantial a landside as though they were formed in a single piece, and yet the parts can be separated at any time for the purpose of sharpening the lay or for repairing the plow, as may be desired, and they may be used with or without the landside-plate.

By means of the construction here shown the prong or sub-lay is done away with, as used in all slip-boxes, and acts the same as a solid bar-lay. Three bolts hold the lay secured to the plow in the roughest of ground.

Having thus described my invention, I claim—

The combination of the part A, having the groove B made in its front end, and having the extension G extending beyond the groove, so as to overlap the part D, with the part D, having the shank C to extend back into the groove and a shoulder, J, to bear against the front end of the part A, the lay which is secured to the part D, and the bolt which secures the two parts of the landside together, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD MURAINÉ.

Witnesses:

F. E. STEVENS,
F. P. ADDY.