(No Model.)

T. E. C. BRINLY.

PLOW.

No. 494,458. Patented Mar. 28, 1893.

Fig. 1.

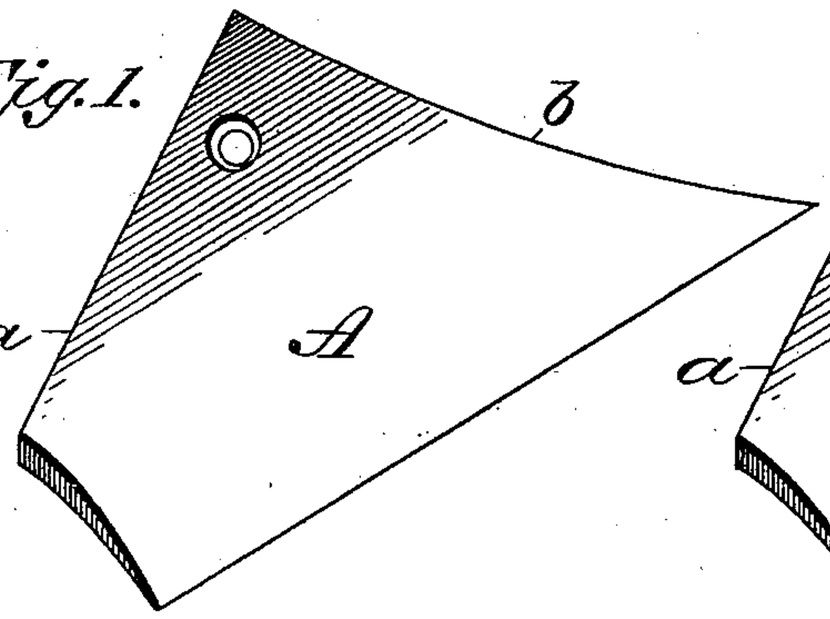

Fig. 2.

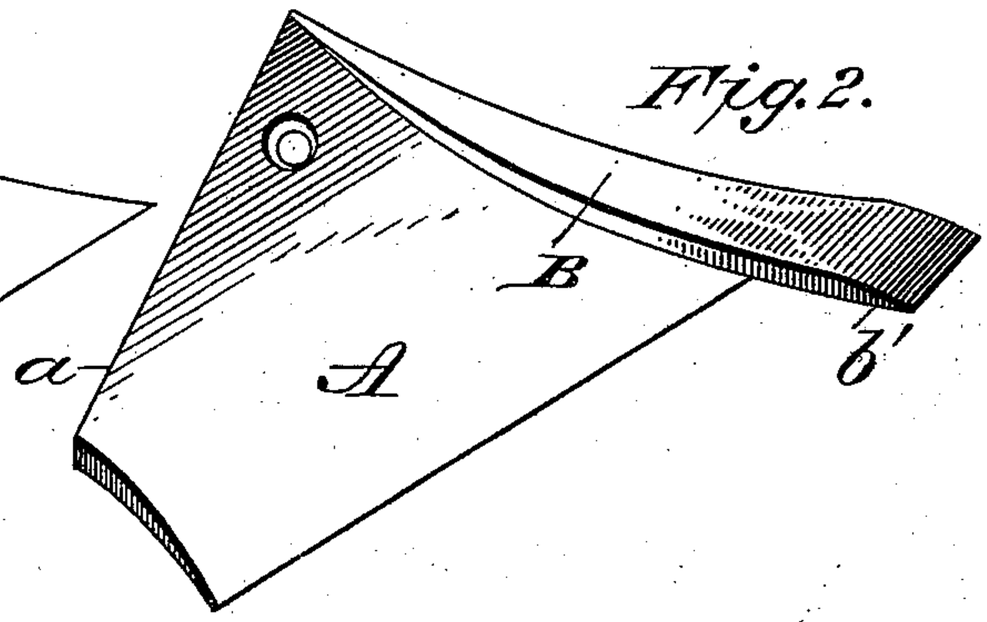

Fig. 4.

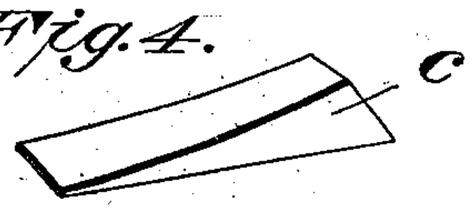

Fig. 3.

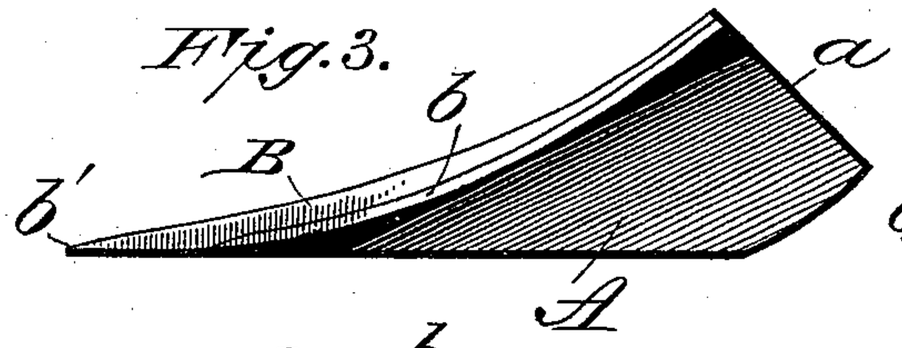

Fig. 5.

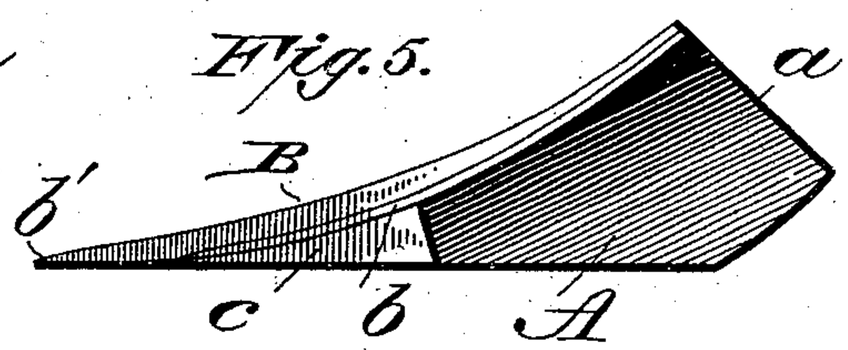

Fig. 6.

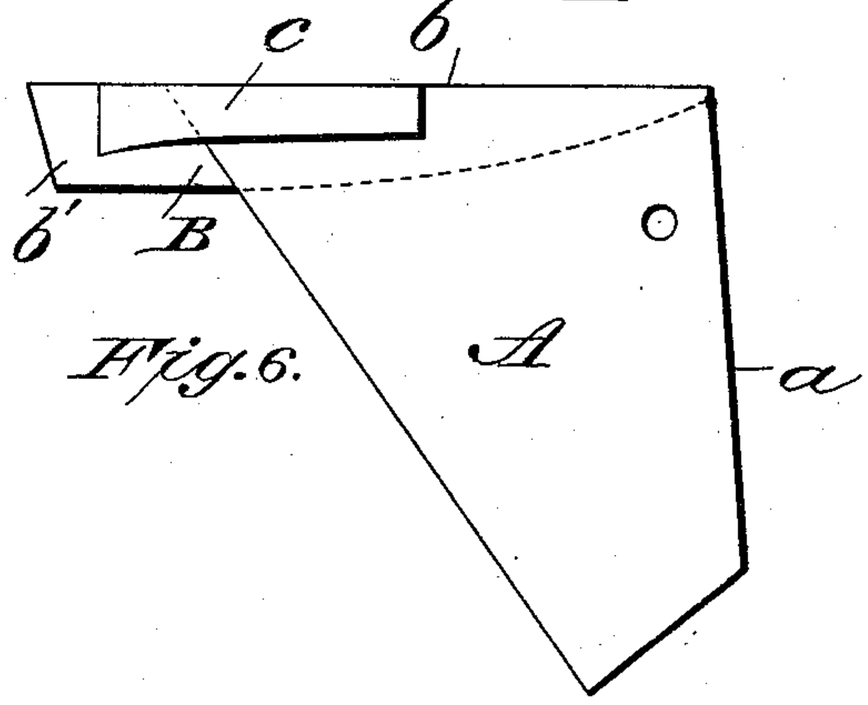

Fig. 7.

Witnesses
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Inventor
by
Attorney

UNITED STATES PATENT OFFICE.

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

PLOW.

SPECIFICATION forming part of Letters Patent No. 494,458, dated March 28, 1893.

Application filed January 17, 1893. Serial No. 458,698. (No model.)

To all whom it may concern:

Be it known that I, THOMAS E. C. BRINLY, a citizen of the United States of America, residing at Louisville, in the county of Jefferson and State of Kentucky, 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in plows; and it consists in the mode of constructing the point by means of which a top rib and under lip are secured to the point to form an integral part thereof, said top rib and lip being formed of separate pieces which are welded to each other and to the edge of the point, so that when in use they will lie in front of the landside, said landside being attached to and forming a part of the standard.

The invention further consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the point, before the top rib and lip are attached thereto. Fig. 2 is a perspective view of the point with the top rib secured in place. Fig. 3 is a side view of the point with the top rib in place, and the parts welded together preparatory to receiving the lip. Fig. 4 is a perspective view of the lip. Fig. 5 is a side view of the completed article. Fig. 6 is a plan view of the completed article. Fig. 7 is a side elevation showing the same applied to a plow.

A designates the point which has a straight edge, *a*, against which the moldboard abuts. This point is of the usual shape, and is provided with one or more apertures for attaching it to the plow.

B designates the top-rib, which is a piece of either steel or iron, shaped as shown in Fig. 2, and is welded to the upper side of the point A so as to lie along and over the edge *b* thereof. This top-rib tapers from the point *b'* upwardly, and is curved to conform with the shape of the point. When the top-rib is secured in place I weld to the under side of the same, and to the underside of the point, a lip, *c*, shaped as shown in Fig. 4. After the three parts hereinbefore described are secured to each other they are finished off and are ready to be applied to the plow.

Heretofore in the construction of plows having a top rib and lip, as shown in my prior patent dated June 29, 1880, No. 229,367, the practice in the manufacture of such plows was to make the top rib and lip of a single piece, and bend them so that they would engage with the edge of the point, after which the parts were heated and welded together, and then tempered. In following out the old mode of construction it was found objectionable, inasmuch as the parts were liable to become separated, thus occasioning much loss of time and labor. By my improved mode of construction the parts are welded separately. It will be noted that the lip is inclined at its rear end, and is of such width that it will come in contact with the forward portion of the landside, which is shaped to receive it, and when the landside is not used this lip will bear against the standard, the standard and landside then being one. A different grade of material being used for the top rib and lip than is used for the point permits said parts to be made of steel, which will receive a hard temper.

I am aware that prior to my invention it has been proposed to weld to the points of plows short landsides, but I am not aware that prior to my invention a top rib, which is the distinguishing feature of plows made by me, and a lip have been made of separate pieces and joined to each other and to the landside, and

I therefore claim—

1. The herein described point for plows, having a top rib secured thereto so as to extend beyond the forward end of said point, of a lip secured to the under side of the wing and to the under side of the top rib to form a point, substantially as shown.

2. In a plow, the combination, of the point,

top rib and lip formed of separate pieces, the top rib and lip being welded to the wing and to each other, substantially as shown.

3. A combined plow point, having a top rib which projects beyond the point, a lip also attached to the point, the rear end of said lip being beveled to provide a shoulder against which the landside or standard will abut, substantially as shown, and for the purpose set forth.

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

THOMAS E. C. BRINLY.

Witnesses:

GEO. GUTIG,

SAML. J. DOHRMANN.