

(No Model.)

B. C. BRADLEY.
LANDSIDE FOR PLOWS.

No. 283,067.

Patented Aug. 14, 1883.

Fig. 1.

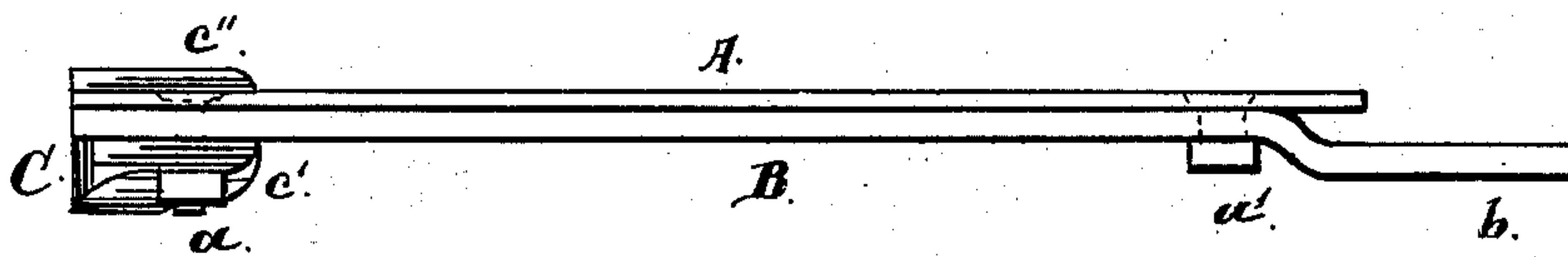


Fig. 3.

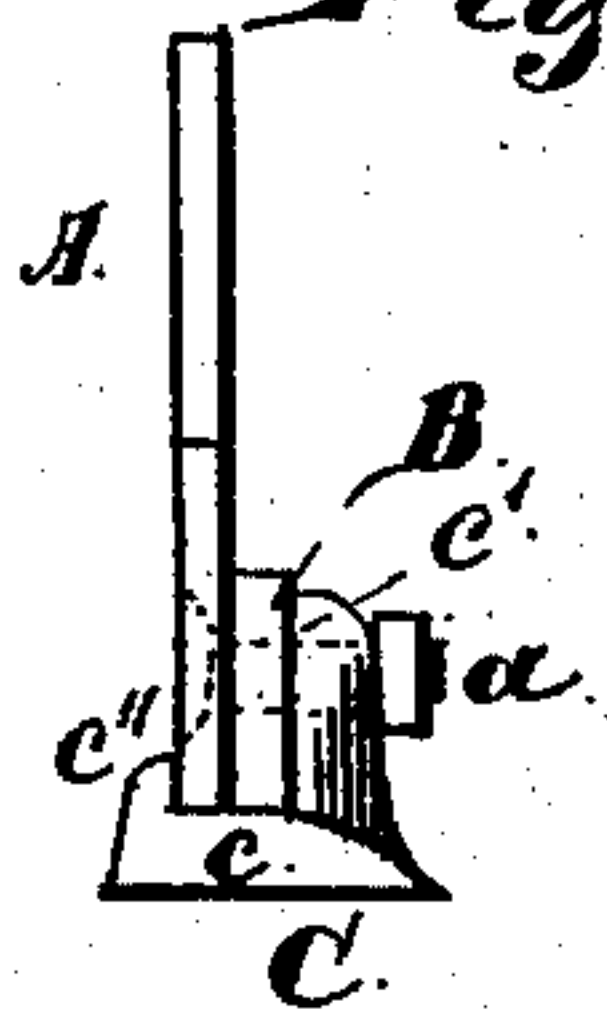


Fig. 2.

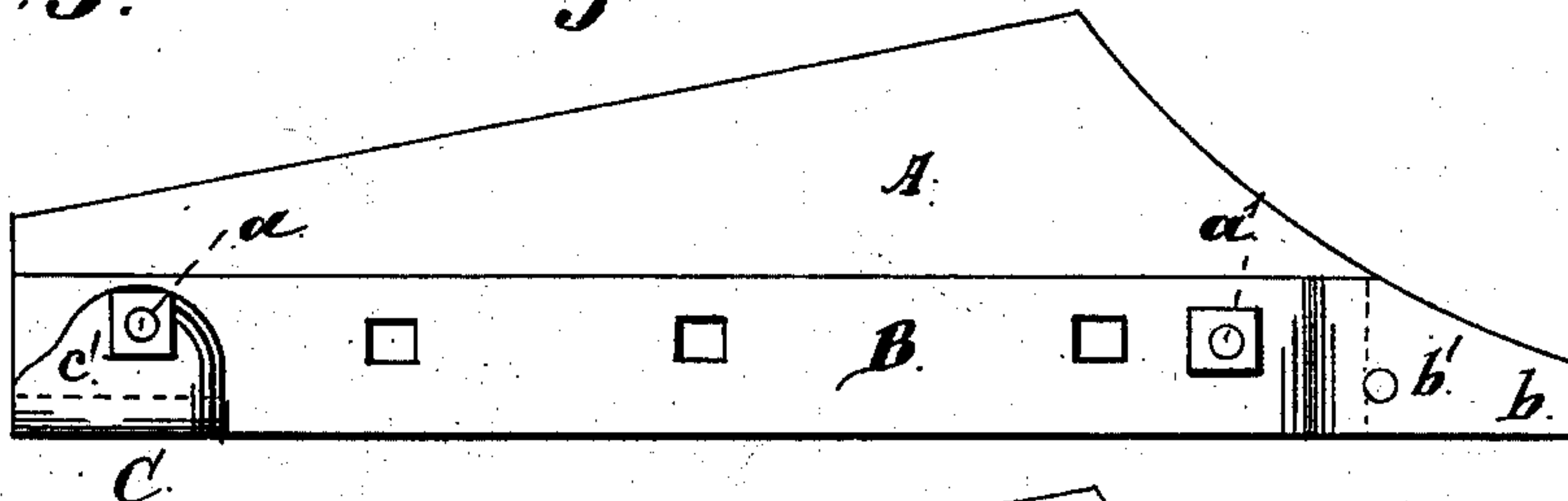


Fig. 4.

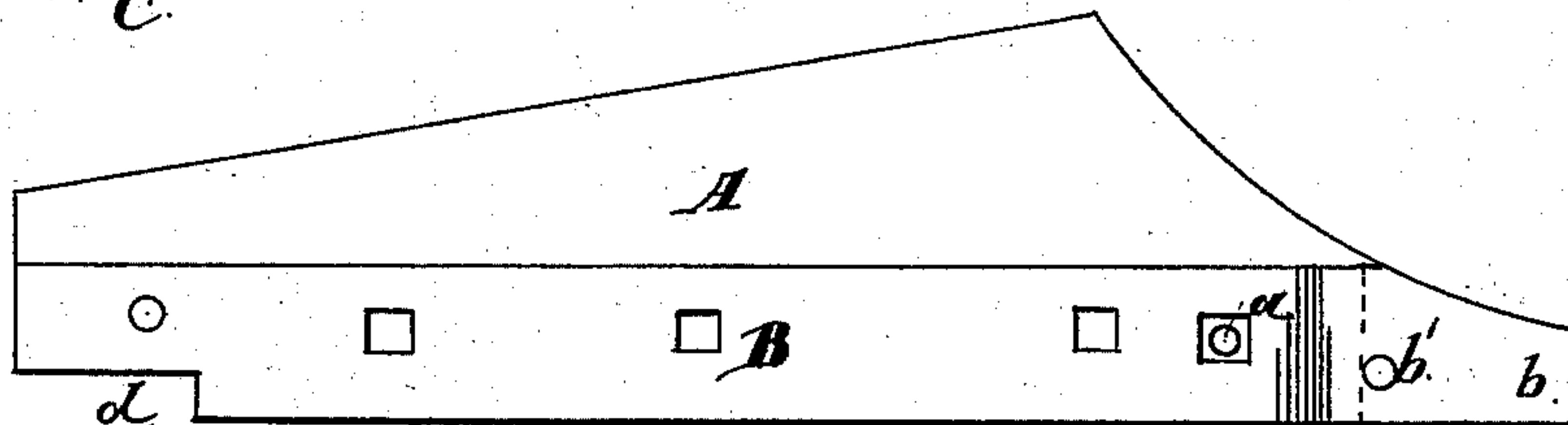


Fig. 5.



Fig. 6.



Fig. 7.



Witnesses:
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UNITED STATES PATENT OFFICE.

BYRON C. BRADLEY, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE FURST & BRADLEY MANUFACTURING COMPANY, OF SAME PLACE.

LANDSIDE FOR PLOWS.

SPECIFICATION forming part of Letters Patent No. 283,067, dated August 14, 1883.

Application filed March 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, BYRON C. BRADLEY, residing at Chicago, in the county of Cook and State of Illinois, and a citizen of the United States, have invented a new and useful Improvement in Landsides for Plows, of which the following is a full description, reference being had to the accompanying drawings, in which—

10 Figure 1 is a top edge view; Fig. 2, a side elevation, showing the inner side of the land-side; Fig. 3, a rear elevation; Fig. 4, a side elevation, with the heel removed; Figs. 5, 6, and 7, details of the removable heel.

15 The rear end of the heel portion of the land-side of plows in use wears away, owing to the natural tendency of the plow to ride on the heel in use, and when worn to any considerable extent the plow is liable to lift at the point, rendering it difficult to keep the plow 20 down to its work for a given depth of furrow, by reason of there being no resistance offered by the heel, owing to its rounding off.

25 The object of this invention is to obviate this difficulty in the use of plows, which I accomplish in the manner and by the means hereinafter described and claimed.

30 In the drawings, A represents the ordinary landside, made of steel or other suitable material, in the usual manner; B, the strengthening bar or plate, located at the lower edge of the landside, and secured thereto by means of suitable bolts, $a a'$, or in any other suitable manner, and having, as shown, a nose or extension, b , 35 for projecting beneath the point, as usual, which nose or extension has a hole, b' , for the passage of a bolt for attachment to the point or to a suitable brace-bar, in the usual manner. These parts A B may be of the form, construction, and arrangement shown, or of any 40 other well-known form for such parts, except at the rear or heel end thereof there is a cut-away portion, forming a notch, d , as shown in Fig. 4.

45 C is the removable heel, which may be made of chilled iron or other suitable material, having a base, c , with upper projecting flanges, $c' c''$, between which is a space, c^3 , corresponding in width to the width of the landside and its strengthening-bar. The base c corresponds 50 in thickness to the depth of the notch d , so that when the parts are together the bottom of the

removable heel will be in the same plane with the bottom of the landside, as shown in Fig. 2. The flange c'' is narrow, and comes outside of the landside and is made narrow, so as to offer 55 but little resistance to the travel of the plow. The flange c' comes on the inside adjacent to the bar B, and is of nearly the same width as the bar, and through this flange the bolt a 60 is passed, securing the heel to the landside, and the heel is held against lateral movement by the landside and bar entering the notch or recess c^3 .

In use, as the heel C wears down, so as to 65 not act properly in offering a resistance to the rise of the point, it can be removed and a new heel applied and secured thereon, bringing the landside and the heel at the bottom on the same plane and renewing the proper length 70 of the landside; and to remove the heel and apply a new one, all that is necessary to be done is to take out the bolt a , remove the old heel, apply a new one in place thereof, and reinsert the bolt, which can be done by any one 75 using the plow. By means of this removable heel, a landside can be made to last as long as the rest of the plow, instead of becoming worn out and having to be replaced by a new landside, as has heretofore been the case. 80

The flange c'' comes on the outside of the landside, and need be only of sufficient height to furnish a stay or stop. The notch d should be of the same depth, or nearly so, as the thickness of the base c below the recess c^3 , so that 85 when the parts are together, the bottom of the landside will be in a level plane its entire length.

I do not broadly claim a removable heel-plate secured to the rear end of the landside 90 of a plow, as such has heretofore been done; but

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

The removable heel C, constructed of the base 95 c and vertical flanges c' and c'' , separated by the space c^3 , in combination with the landside A B, the rear end of which is provided with the notch d , for receiving the base of the heel, substantially as described.

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