

(No Model.)

G. SEARS.
PLOW POINT.

No. 484,758.

Patented Oct. 18, 1892.

Fig. 1

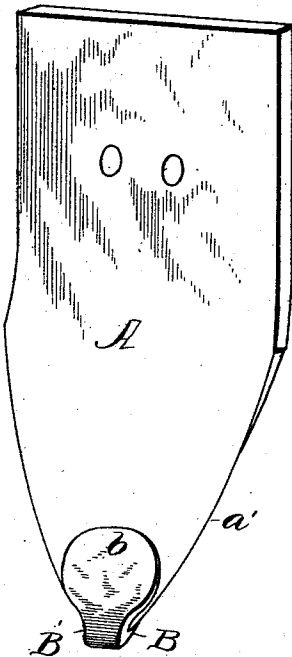


Fig. 2.

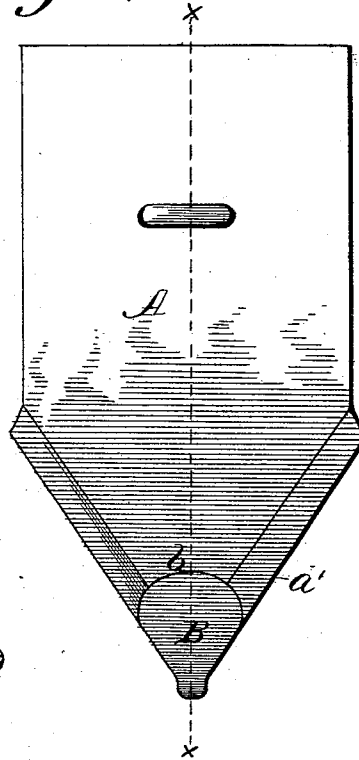


Fig. 4.

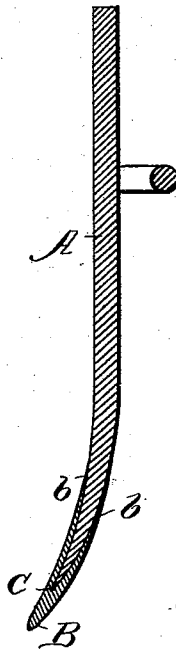


Fig. 3.

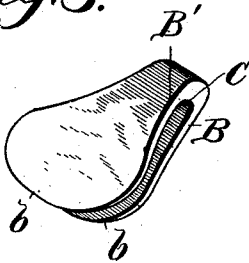
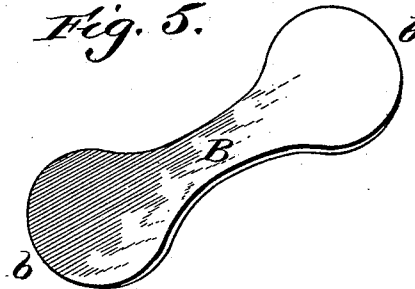


Fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE SEARS, OF ONSLOW, IOWA, ASSIGNOR OF ONE-HALF TO WILLIAM H. UNDERWOOD, OF SAME PLACE.

PLOW-POINT.

SPECIFICATION forming part of Letters Patent No. 484,758, dated October 18, 1892.

Application filed June 25, 1892. Serial No. 438,025. (No model.)

To all whom it may concern:

Be it known that I, GEORGE SEARS, a citizen of the United States of America, residing at Onslow, in the county of Jones and State of Iowa, have invented certain new and useful Improvements in Plow-Points, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The object of this improvement is to provide a ready-made plow-point for shovel-plows that will hold itself on the shovel-plate while being heated in the fire and while being welded without being previously drilled and riveted
15 to the plate and without the aid of tongs. These results are attained by the mechanism illustrated in the drawings herewith filed as part hereof, in which the same letters of reference denote the same parts in the different
20 views.

Figure 1 is a perspective representation of a plow-shovel provided with my improvement. Fig. 2 is a view of the same inverted. Fig. 3 is a view of the point detached. Fig. 4 is a
25 sectional view of the shovel and point, taken on the line xx of Fig. 2. Fig. 5 is the blank.

A is the shovel, having the usual bolt-holes for attaching it to the stock of the plow and provided with bevels forming cutting-edges
30 a' , more fully shown in Fig. 2.

B B' is the improved point, made of bent or split spring-steel plate forged and spread substantially in the form shown, and reduced to a feather-edge at bb , in order to make a smooth

finish with the surface of the plate A when 35 applied thereto. By reason of the recess C (shown in Fig. 3) between the parts B B' and the inward tension of the spring-plate B B' the point when moderately heated may be slipped over in a self-sustaining manner the 40 point of the shovel A, when the part B' may be easily bent to and made to conform with the bevels a' of the shovels, and the point will be thereby secured in the position shown, which will not be disturbed by the heat and 45 welding process, whereby the point B B' may be quickly, economically, and durably applied to the shovel.

Having explained the features of my improvement, what I claim, and desire to secure 50 by Letters Patent, is—

An attachable self-sustaining plow-point made from a single blank of metal and bent at its center to form a composite plate comprising two substantially-circular members 55 coincident and coextensive, occupying parallel horizontal planes in the same vertical plane, and each rearwardly reduced to a thin edge, the bend forming the plow-point, and the two members by their mutual inward tension serving to hold the point temporarily 60 during attachment.

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

GEORGE SEARS.

Witnesses:

N. W. HUTCHINS,
W. H. UNDERWOOD.