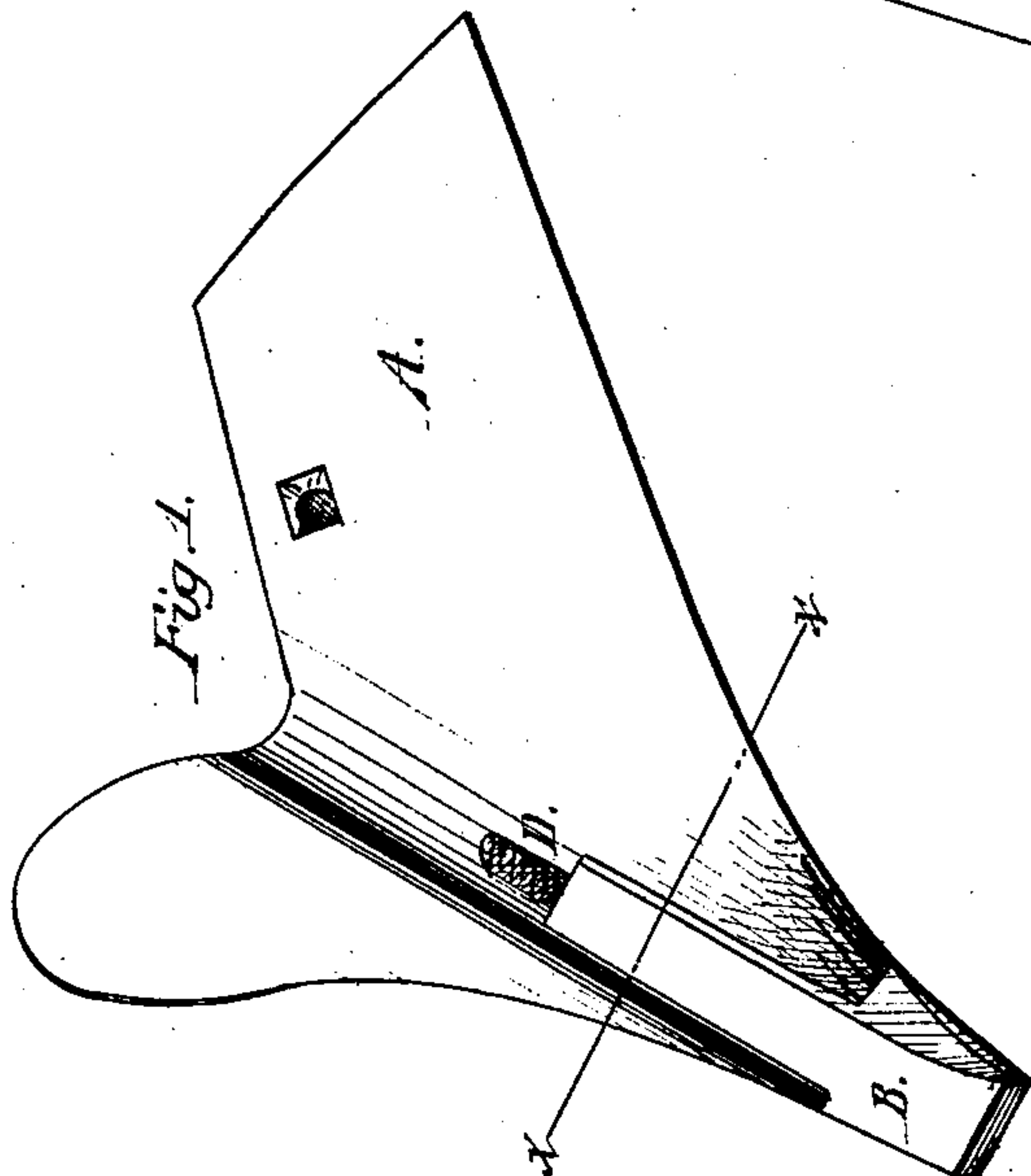
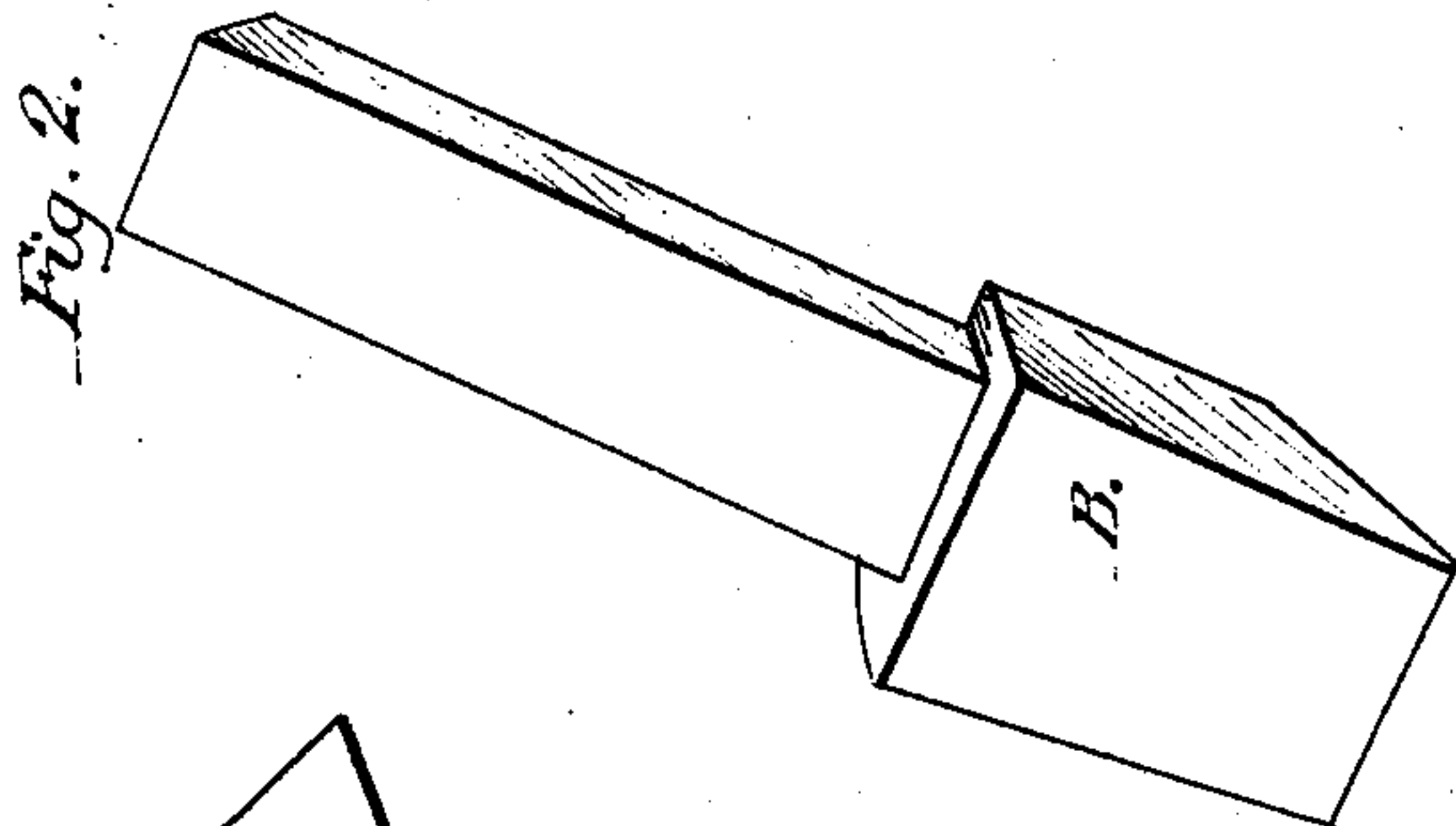
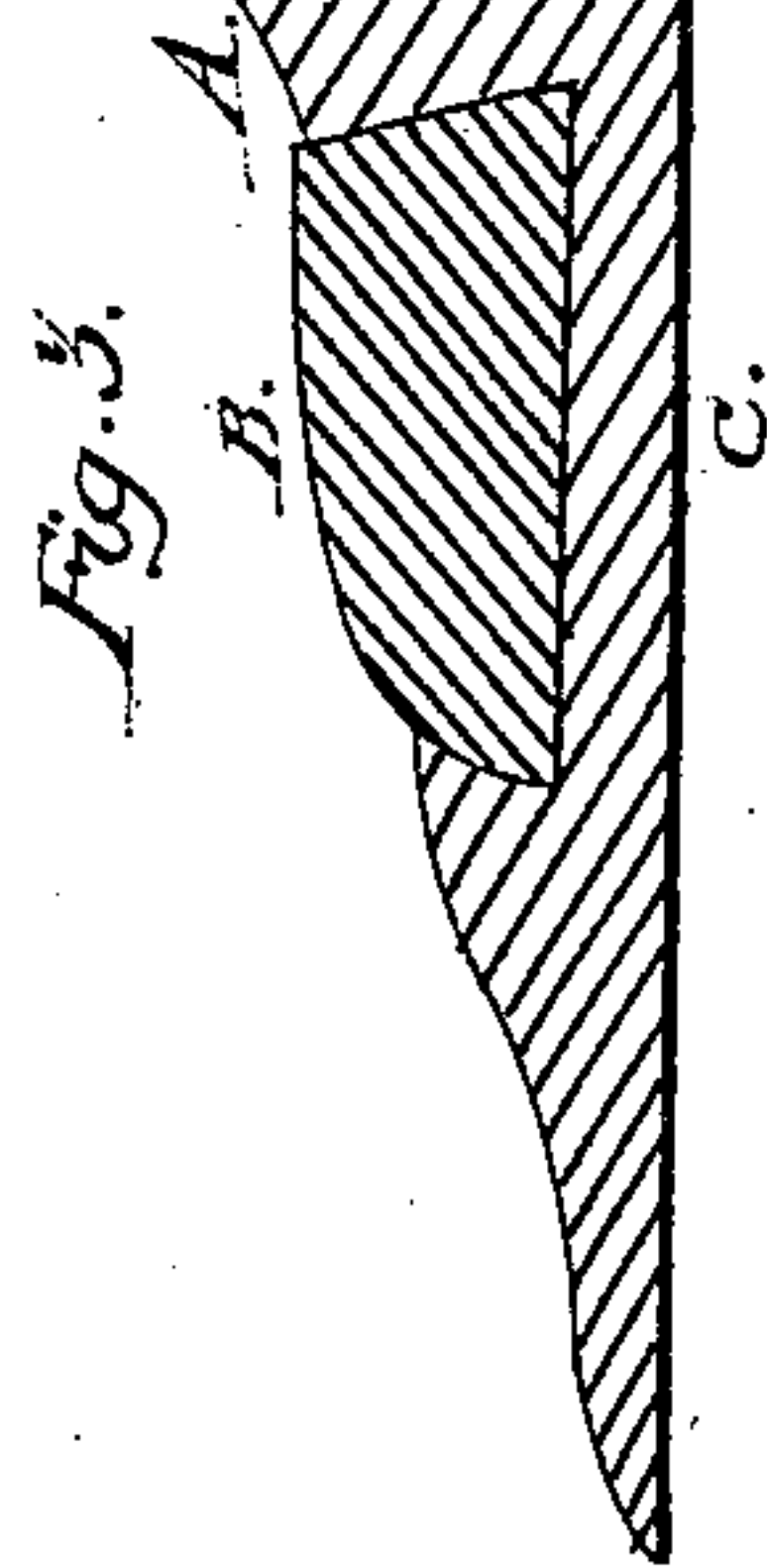


C. B. Kerr,

Flow Point.

No. 89,486.

Patented Apr. 27, 1869.



Witnesses:
A. Ruppert
Ch. Clausen

Inventor:
C. B. Kerr
by
D. P. Halloway & Co.
Attys

United States Patent Office.

CHARLES B. KERR, OF COLUMBUS, INDIANA.

Letters Patent No. 89,486, dated April 27, 1869.

IMPROVEMENT IN PLOW-POINTS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES B. KERR, of Columbus, in the county of Bartholomew, and State of Indiana, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved plow-point, showing the extreme point thereof, as made of steel, and arranged so as to be readily removable.

Figure 2 is a perspective view of the steel portion, and showing the shank, or arm for securing the same to the cast-iron portion.

Figure 3 is a sectional elevation on line *xx* of fig. 1.

Corresponding letters represent corresponding parts in the several figures.

This invention relates to an improvement in plow-points; and

It consists in forming, in the upper surface of the cast portion of such point a recess, or cavity, at the point where the shank, or arm of the steel portion terminates, so that, when it becomes necessary to remove such steel portion, it can readily be done by placing a punch, or set, or any suitable instrument against the rear end of such portion, and striking the same with a hammer.

A, in the drawings, represents a cast-metal plow-point, which may be of any suitable form of construction to fit any of the different plows in use, it being provided with the necessary projections and belt-holes, for securing it to the share or mould-board thereof.

Within the upper surface of this point, and extending from its front end backward, for a distance sufficient to receive and hold the steel termination thereof, there is formed a dovetailed recess, as shown at C, in fig. 3 of the drawings.

To facilitate the removal of such steel portion of the point, I form, within the cast portion of the point, just where the steel portion terminates, a cavity, or recess, which, in depth, should be about equal to the thickness of the steel portion of the point, and of a width sufficient to receive an end of a punch, or other suitable instrument for driving the same out of its recess within such cast portion of the point.

B represents a steel termination, or point, which has, upon its inner end, a shank, or arm, which is made to fit the dovetailed groove in the cast portion of the point, as shown in fig. 3 of the drawings.

That portion of this steel termination (as it will be termed) which extends beyond the cast portion of the point, is so constructed as to cause the shoulder formed thereon to abut against the front end of such cast portion, and at the same time cause the extreme point, or end, to form a continuation of the point proper.

It will be perceived that this steel termination of the point may be readily removed from the cast-metal portion, whenever it becomes necessary to do so, for the purpose of sharpening the same, or for the purpose of replacing it with a new one from a stock which may be kept constantly on hand for that purpose.

The advantages of this device will be apparent when it is remembered that this portion of a plow is always the first to wear out, and consequently to need repairs, which repairs, in ordinary cases, consume much time, but which, as a consequence of my improvement, can be made at any time, within a few minutes, and, without removing the plow from the field where it is being used.

I have described the steel termination B, as applicable to a cast-metal plow-point, but it is apparent that it is equally applicable to a share, or mould-board cast so as to receive it, and thus to dispense with the cast point, which feature of my improvement I regard as novel and of great importance.

Having thus fully described my invention,

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

The cavity, or recess D, in the cast portion of the plow-point, for the purpose of facilitating the removal of the steel portion of such point, substantially as shown and described.

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

CHARLES B. KERR.

Witnesses:

J. WALTER PYNE,
B. F. LITTLE.