To all whom it may concern:

Be it known that I, PHILIP BRUNELLE, a
5 citizen of the United States, residing at Bel-
field, in the county of Stark, State of North
Dakota, have invented a new and useful Det-
achable Plow-Point; 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 the same.

This invention relates to an improved det-
achable point for a plow share, and one of
the objects of the invention is to provide a
device of this kind, which is simple, efficient
and practical in construction, and may be
manufactured at a small cost and sold at a
reasonable profit.

A further object of the invention is to
provide a device of this kind comprising im-
proved features of construction, one of
which consists in the provision of a pocket
formed in the detachable point, for the re-
ception of the end of a plow share, in com-
bination with a lug carried integrally by one
wall of the pocket and engaging adjacent
the share landside of the plow share and be-
ing secured thereto, thereby holding the
pocket point to the share.

In practical fields the details of construc-
tion may necessitate alterations falling with-
in the scope of what is claimed.

The invention comprises further features
and combination of parts as hereinafter set
forth shown in the drawings and claimed.

In the drawings:

Figure 1 is a view in perspective of the
improved detachable share point as applied
to a share.

Fig. 2 is a perspective view of a portion
of the share showing its opposite sides, and
the point applied.

Fig. 3 is an enlarged detail perspective
view of the point detached.

Fig. 4 is a sectional view on line 4-4 of
Fig. 2.

Fig. 5 is an enlarged detail perspective
view of a portion of the share, and the point
applied.

Referring more especially to the drawings,
1 designates a portion of a share and 2 de-
notes a share landside. The share and the
share landside flange 2 are at acute angles,
and adjacent where the share merges into a
curved forward edge 3, said share is V-
shaped in cross section. A short distance
from the forward curved edge 3, the share
landside flange 2 terminates into a shoulder
4. The point 5 is provided with a forward
cutting edge 6, and cutting edge 7. This
detachable point 5 is constructed from a sin-
gle piece of metal, bent upon itself, and
where the bend is made, the folded parts
are welded together and drawn to the shape
shown clearly in Figs. 1, 2 and 3, and con-
structed with said cutting edges 6 and 7. One
side of the point overlaps the outer face
of the share 1 which has an upper cutting
edge 8, which merges into the upper cutting
ege 7, as shown clearly in Fig. 1. Between
the two sides 9 and 10 of the detachable plow
point a pocket 11 is formed, for the recep-
tion of the end part 3 of the share. The
side 10 of the detachable point has an in-
teal extension lug 12 provided with a slot
13 for the reception of the bolt 14, which
passes through the share, there being a nut
15 threaded on the bolt for drawing the
washer 16 tight against the extension lug 12.
The side 10 of the point has a shoulder 17 to
engage the shoulder 4 of the landside 2.
The extension lug 12 has its under edge over-
lying the landside as shown clearly in Fig. 2.
By means of the disposition of the extension
lug 12, the inter-engaging shoulders 4 and
17, and the engaging curves of the pocket
and the end 3, the detachable point is held
against displacement during its passage
through the soil. By removing the bolt 14
the point may be detached and sharpened
and replaced, or a new point substituted.

The invention having been set forth what
is claimed as new and useful is:

1. The combination with a share having a
forward curved end portion, of a point con-
structed from a single piece of metal bent
on itself and welded to a point and provided
with a pocket between the fold-
ed parts, the inner end of said pocket being
curved and engaged by the forward curved
portion of the share, one side of the pocket
having an extension lug engaging the rear
face of the share and overlying the share
landside, one side of the pocket and the
share landside having inter-engaging shoul-
ders and means passing through the exten-
sion lug and the share for clamping the
parts together.

2. The combination with a share having a
forward end portion curved longitudinally
and tapered, of a point constructed from a

UNITED STATES PATENT OFFICE.

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DETACHABLE PLOW-POINT.


Application filed May 18, 1918. Serial No. 225,286.
single piece of metal bent upon itself subsequently welded and drawn to a point having a cutting edge and provided between the folded parts with a pocket curved longitudinally and tapered correspondingly to and receiving the forward longitudinally curved end portion of the share, the share landside having a shoulder, one of the folded parts of the point having a shoulder abutting the shoulder of the share landside, and also provided with an extension lug engaging the rear face of the share and overlying the share landside, said lug having an elongated slot, and means passing through the share and through the slot and provided with a securing device for clamping the parts together, said share landside extending at a slight acute angle to the rear face of the share and cooperating with the lug, whereby excessive tension is relieved on the securing device.

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

PHILIP BRUNELLE.

Witnesses:

H. M. MacKay,

J. O. Milster.