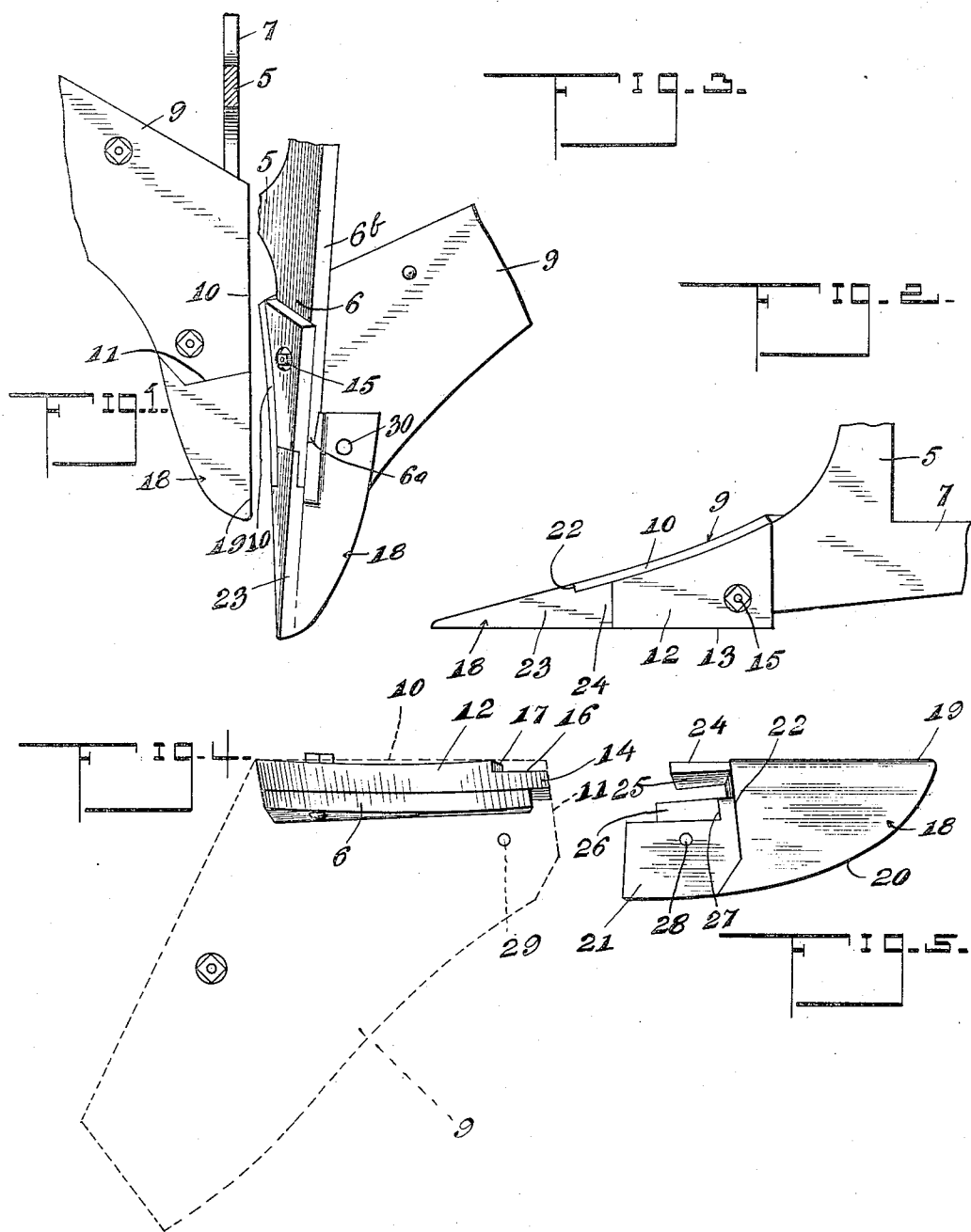


J. HARRISON.
 PLOW POINT.
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1,048,962.

Patented Dec. 31, 1912.



Witnesses
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JOHN HARRISON, OF CHIRICAHUA, ARIZONA.

PLOW-POINT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN HARRISON, a citizen of the United States, residing at Chiricahua, in the county of Cochise, State of Arizona, have invented certain new and useful Improvements in Plow-Points; 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.

This invention relates to plows, and has for its principal object to provide a detachable plow point for the share.

Another object of the invention is to provide a plow standard with a detachable wear plate, the forward end thereof having interlocking connection with the detachable plow point whereby when the said point becomes worn sufficiently to be rendered useless, the said point and the wear plate may be readily removed and others easily attached to the share.

A further object of the invention is to provide a plow of the character described, which is composed of a minimum number of parts, is therefore simple in construction, and is cheap to manufacture.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction within the scope of the claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings: Figure 1 is a top plan view of the share and point, Fig. 2 is a side elevation thereof, showing the detachable landside plate. Fig. 3 is a bottom plan view, showing the connection between the landside plate and the detachable point. Fig. 4 is a perspective view of the plow foot and land-side plate with the share indicated in dotted lines. Fig. 5 is a perspective view of the detachable plow point.

Like reference numerals designate corresponding parts in all the figures of the drawings.

Referring to the drawings, the plow comprises the usual standard 5 having a forwardly extending foot 6 and a heel 7. Ex-

tending from the standard 5 and integral therewith is the frog (not shown) to which a plow share 9 and mold board (not shown) are adapted to be attached. The share includes a landside edge 10 and a front edge 11, the latter being disposed at an obtuse angle to the said edge 10. The foot 6 is disposed under the share and in spaced relation to the edge 10, and the forward end 6^a of said foot terminates in rear of the front edge 11 of said share.

Disposed against the outer face of the foot 6 and below the adjacent edge of the share is a landside plate 12, the lower edge 13 thereof projecting below the lower edge 6^b of the foot. The forward edge 14 of the plate is disposed in rear of the front end 6^a of the foot and flush with the front edge 11 of the share. This plate and foot are secured together by means of a bolt 15 or other suitable fastening means. The outer face of the forward end of the plate is recessed, as indicated by the reference numeral 16, to form a consequent vertical shoulder 17.

My invention further comprises a detachable point for the share, and this point is indicated as a whole by the reference numeral 18. This point includes a landside edge 19 which is adapted to form a continuation of the edge 10 of the share and a cutting edge 20 which is adapted to form a continuation of the cutting edge of said share. The upper face of the rear portion of the point 18 is cut away, as indicated by the reference numeral 21 to receive the forward end of the share 9, said cut away portion forming a consequent angular shoulder 22 forming a stop adapted to abut the forward edge 11 of said share. Depending from the edge 19 of the point is a landside 23, the rear end 24 thereof projecting beyond the shoulder 22 and adapted to be seated within the recess 16 of the detachable wear plate. The rear portion of the point is formed with a forwardly extending longitudinal slot 25 for receiving the forward end of the landside of the share. Also formed in the rear end of the point is a recess 26 for receiving the forward end of the foot 6, said recess forming a resultant shoulder 27 for engagement with the forward end 6 of said foot. The rear end of the point is formed with an opening 28 and this opening registers with an opening 29 formed in the forward portion of the

share 9. Disposed within said registering openings is a bolt 30 of any suitable construction which not only holds the point to the share and prevents longitudinal movement thereof, but permits of the point to be readily removed and another one replaced whenever so desired.

In Figs. 4 and 5, I have shown the detachable plow point, and the plow foot and land-side plate with the plow share illustrated in dotted lines. These two views taken together show the relative positions of the parts which go to make up the interlocking joint when the connection is to be made.

From the foregoing, it will be observed that when either the point or the wear plate have become sufficiently worn, they may be readily removed and others replaced. It will furthermore be observed that the point, while being directly secured to the share 9 also has an interlocking engagement with both the wear plate and the foot of the

standard, so that any tendency of the point to move in any direction will be avoided. 25

What is claimed is:—

In combination with a plow standard and its foot, of a share connected to the standard, a landside plate detachably connected to the foot, and a plow point including a base flange detachably connected to the share and having interlocking engagement with the landside plate, the forward end of the landside plate being recessed on its underface to form a tongue, and the rear end of the point being recessed in its upper face to form a tongue, the respective tongues fitting within the respective recesses of the plate and point. 30 35

In testimony whereof, I affix my signature, in presence of two witnesses. 40

JOHN HARRISON.

Witnesses:

JOHN J. NEWELL,
EMMETT TAPP.