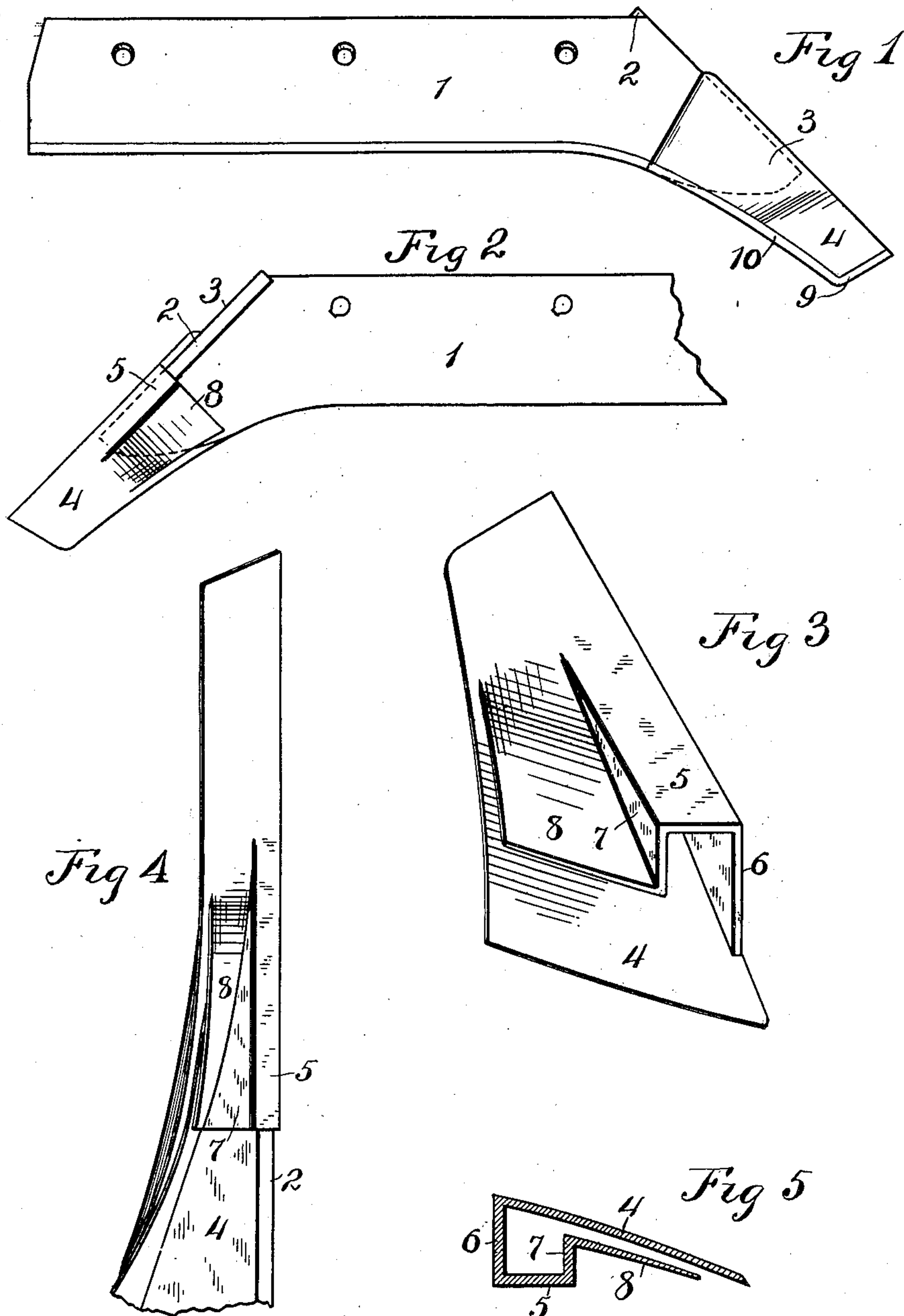


No. 878,026.

PATENTED FEB. 4, 1908.

W. TITUS.
PLOW POINT.

APPLICATION FILED JUNE 15, 1903.



WITNESSES:

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WATSON TITUS, OF SOUTH HAVEN, KANSAS, ASSIGNOR OF ONE-SIXTH TO CHARLES C. SHAWVER AND ONE-SIXTH TO CHARLES P. HANGEN, OF WELLINGTON, KANSAS, AND ONE-THIRD TO CHARLES H. DAVIS, OF SOUTH HAVEN, KANSAS.

PLOW-POINT.

No. 878,026.

Specification of Letters Patent.

Patented Feb. 4, 1908.

Application filed June 15, 1903. Serial No. 161,610.

To all whom it may concern:

Be it known that I, WATSON TITUS, a citizen of the United States of America, residing in South Haven, in the county of Sumner and State of Kansas, have invented a new and useful Improvement in Plow-Points, of which the following is a specification, reference being had therein to the accompanying drawings, forming a part thereof.

My invention relates to improvements in detachable plow points.

The object of my invention is to provide a detachable adjustable plow point that may be placed upon and readily fitted to the point of an ordinary plow.

My invention provides a plow point having a socket adapted to receive the point of the plow, the socket comprising a yielding lip integral with the body of the point and adapted to conform and be fitted to the inner curved side of the plow share.

In the accompanying drawings which illustrate my invention, Figure 1 is a top view of a plow share having fitted thereon a plow point of my invention. Fig. 2 is a bottom view of the same; a portion of the share being broken away. Fig. 3 is a perspective view of the adjustable plow point looking at the rear and under side thereof. Fig. 4 is another under view of a portion of a plow share having the detachable plow point mounted thereon. Fig. 5 is a cross section of the detachable plow point.

Similar characters of reference indicate similar parts.

1 indicates a plow share having a landside 2 which with the share forms a point of the plow at 3. The detachable plow point comprises a flat substantially rectangular plate 4, having on its underside a yielding lip which with the body or plate 4 forms a socket into which the point of the plow will be inserted. This yielding lip comprises a U shaped portion 5 adapted to receive the landside, one side 6 of the said U shaped portion being connected at nearly right angles for its full length to the body 4. The other or parallel side 7 is connected to the body 4 until at its rear end and has projecting from the left side, as viewed in Fig. 3, the plate projection 8, the forward end of which is connected and integral with the body 4. The projection 8 is thin and being of a yielding nature can be readily fitted to conform to the curved un-

derside of the share 1. A space is provided between the lower side of the portion 7, the projection 8 and the body 4 in which the share 1 may be inserted. The plow point is preferably formed of wrought or cast steel, the several parts forming one integral body. The forward and outer upper edges indicated by 9 and 10 are preferably beveled so as to form a sharp edge. The body 4 and the lip thereupon are curved to conform with the curved form of the forward end of the plow share.

In operating my invention the detachable plow point is slipped upon the plow point 3 of the plow share, the landside 2 being inserted in the rectangular tapering recessed portion 5, the projection 8 of the lip being slipped over the convex lower side of the share 1. Before affixing the point upon the share, the share is heated, the point is then slipped thereupon, and the projection 8 forced by clamping in a vise or otherwise, to conform at its rear end to the shape of the underside of the plow point. As the lip is of a yielding nature, in that portion comprising the projection 8, considerable scope of adjustment is obtained by which the plow point may be fitted upon and adhere to different shares, which may vary considerably in shape at their forward ends. The lip of the point being made of steel, although it is of a yielding nature, it has a certain degree of rigidity which causes the lip to tightly clamp the share upon which it is forced. After the detachable plow point has been forged or cast, as shown in the drawings and as above described, the forward end of the left side of the body 4, as shown in Fig. 3, is hardened and tempered in a manner suitable for the work to be performed by it. In plowing the pressure of the ground upon the detachable point will cause it to be more tightly forced upon the plow share point. To remove the point for the purpose of sharpening or otherwise, the rear end should be struck with a hammer. As the projection 8 of the body 4 is formed to conform to the curved shape of the plow share, the detachable point will retain its position upon the plow share except when it is removed in the manner just described.

My invention may be variously modified without departing from its spirit.

Having thus described my invention what

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

5 A plow point comprising a body having on its under side an integral, rectangular, tapering socket portion, and a resilient tongue integral with the body and connected thereto at one end, one edge of the tongue being connected to one side of said rectangular socket portion, a tapering space being provided
10 between the body and the tongue and that

portion of the socket to which the tongue is connected.

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

WATSON TITUS.

Witnesses:

C. H. DAVIS,
W. C. CARR.