

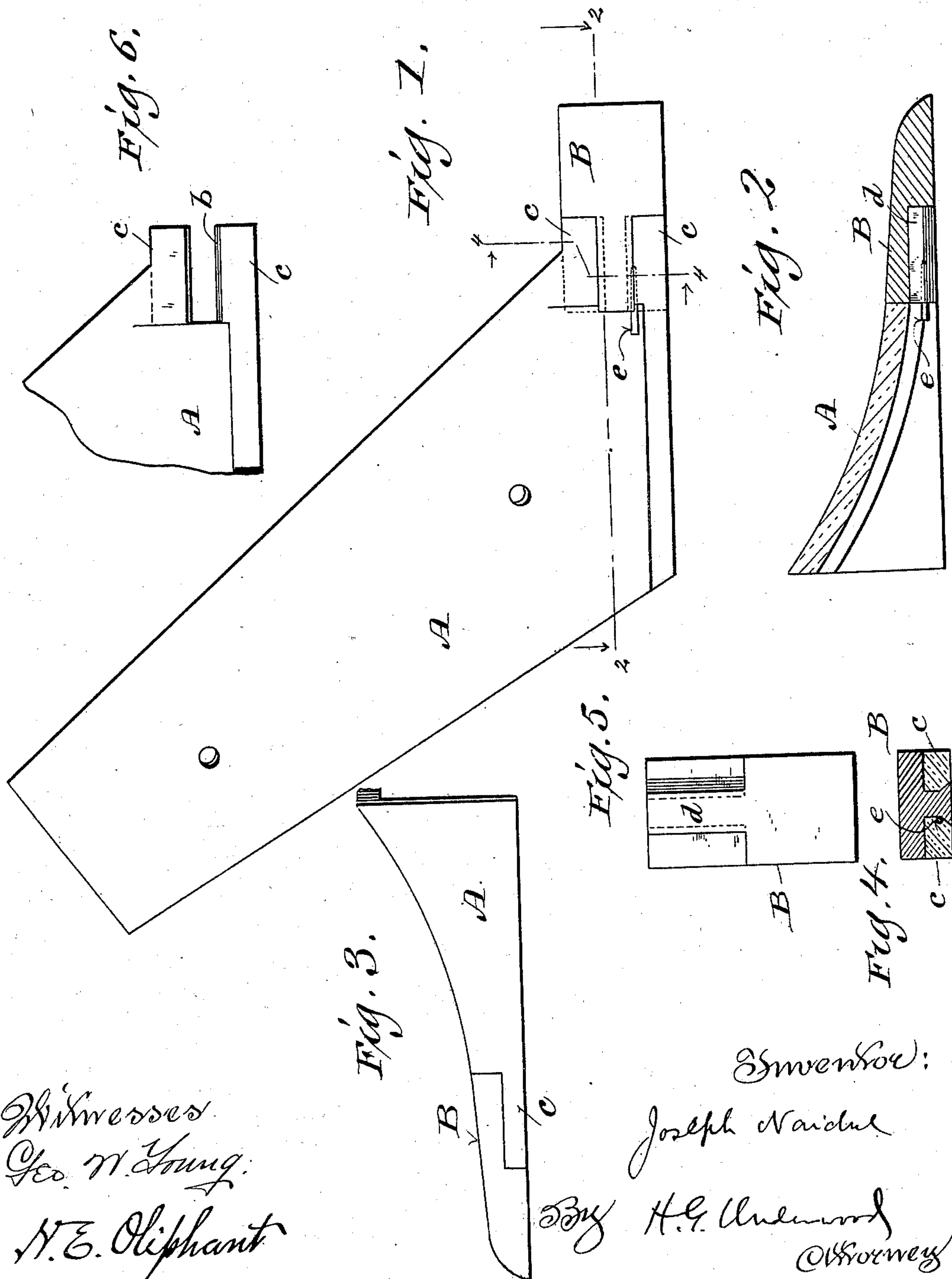
No. 750,385.

PATENTED JAN. 26, 1904.

J. NAIDUL.
PLOW.

APPLICATION FILED JULY 6, 1903.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH NAIDUL, OF MILWAUKEE, WISCONSIN.

PLOW.

SPECIFICATION forming part of Letters Patent No. 750,385, dated January 26, 1904.

Application filed July 6, 1903. Serial No. 164,318. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH NAIDUL, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof.

The improvements consist in certain peculiarities of construction and combination of parts hereinafter particularly set forth with reference to the accompanying drawings and subsequently claimed, the object of the invention being to provide plowshares each having a readily-detachable point whereby a new point may be substituted for one that becomes broken, dulled, or too much worn to be efficient, the remainder of the plowshare being designed to outwear several points. It also follows that the main portion of the plowshare may be of cheaper metal than the point.

Figure 1 of the drawings represents a plan view of plowshare in accordance with my invention inverted; Fig. 2, a sectional view of the same, this view being indicated by lines 2 2 in the first figure; Fig. 3, an elevation of the plowshare at the point; Fig. 4, a sectional view, indicated by lines 4 4 in the first figure; Fig. 5, a plan view of the detachable point of said plowshare inverted, and Fig. 6 a similar view of a fragment of that portion of the aforesaid plowshare with which said detachable point is connected.

Referring by letter to the drawings, A indicates the major portion of a plowshare angularly notched and forwardly extended at the point end thereof. This point end of the major portion of the plowshare is provided with a central dovetail groove *b* in the direction of the draft of a plow. The plow-point

proper is a block B, rearwardly notched to have matching lap fit on the branches *c* of the forwardly-extended point end of the major portion of the plowshare and to form a central dovetail rib *d*, having sliding engagement with the groove *b* aforesaid.

One of the branches *c* of the grooved forwardly-extended point end of the major portion of the plowshare and the rib *d* of the point are shaped to form a tapered seat when said point is put into working position, this seat being largest at its rear open end. Driven tight in the seat is a correspondingly-tapered pin *e*, that serves to bind the point B in connection with the remainder of the plowshare.

To remove the detachable plow-point, the pin *e* is forced out of its seat in one direction and said point displaced in the opposite direction.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A plowshare having an angularly-notched forwardly-extended point end provided with a dovetail groove in the direction of the draft of a plow, a plow-point consisting of a block rearwardly notched to provide a dovetail rib engageable with said groove and to have match fit on the point end of said plowshare, and a taper pin having wedging contact in a tapered seat between said rib and a side of the aforesaid groove at the rear of same longitudinally thereof.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

JOSEPH NAIDUL.

Witnesses:

H. E. OLIPHANT,
E. W. HELLER.