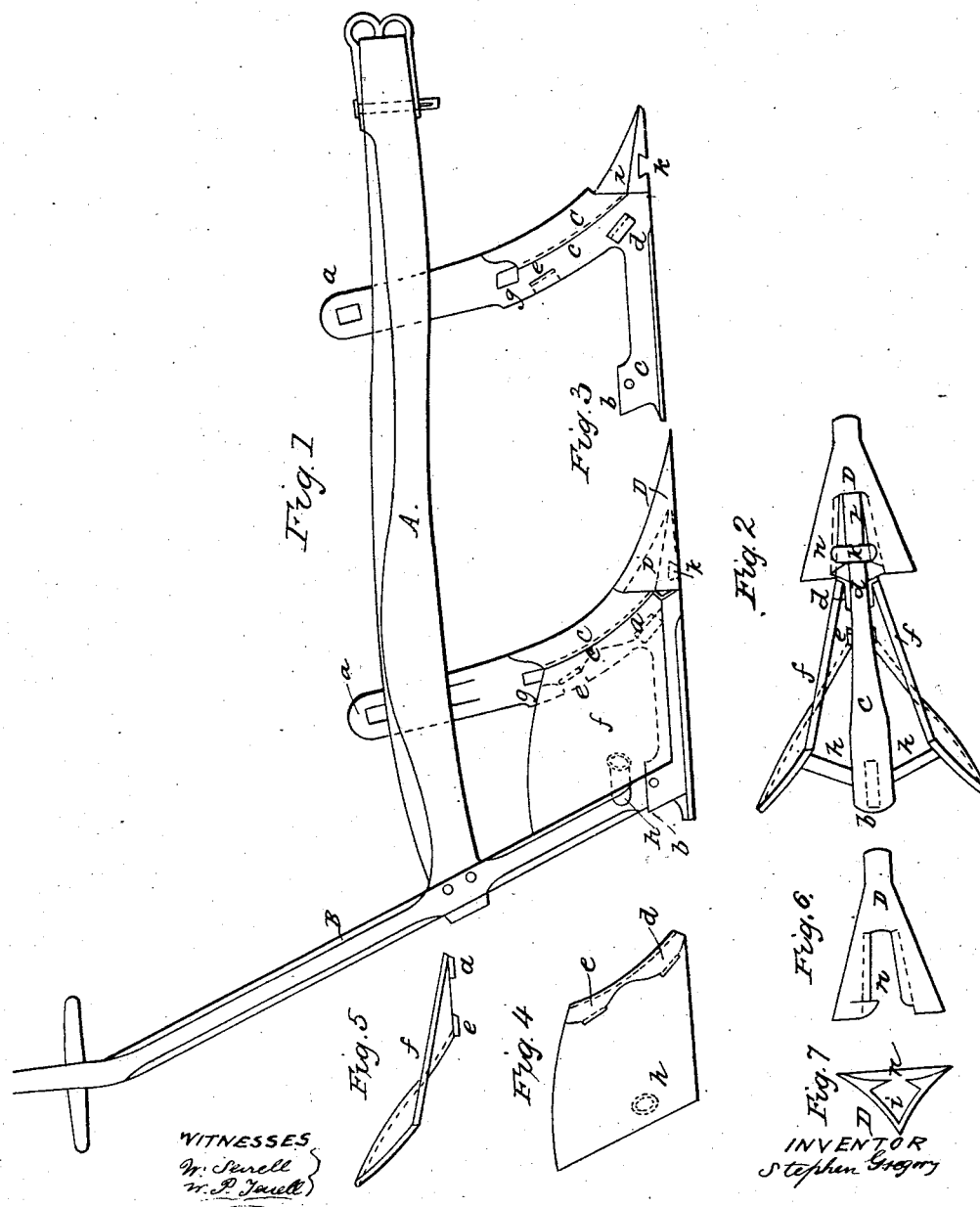


Plow.

Patented Nov. 14, 1838.



UNITED STATES PATENT OFFICE.

STEPHEN GREGORY, OF SAW PITTS, NEW YORK.

IMPROVEMENT IN DOUBLE-MOLD-BOARD PLOWS.

Specification forming part of Letters Patent No. 1,008, dated November 14, 1838.

To all whom it may concern:

Be it known that I, STEPHEN GREGORY, of Saw Pitts, otherwise Port Chester, of Westchester county, State of New York, farmer and agricultural-machine maker, have made certain new and useful improvements in the construction of plows intended for hoeing, plowing, and hilling Indian corn, or plowing or hoeing potatoes by working between the rows to each side, or for performing other similar operations, such improvements being intended to allow of changing the mold-pieces to increase the breadth or spread, or to repair the parts when injured, for which improvement I seek Letters Patent of the United States; and I do hereby declare that the said improvements and the means of constructing and using the same are fully set forth and shown in the following description and in the drawings attached to and making a part of this specification, wherein—

Figure 1 is a side projection of a plow with said improvements, and Fig. 2 is a representation of the situation and connection of the parts when in use, seen from below or upside down, and the same letters of reference apply to the similar parts in each figure. The other figures are separately referred to.

A is the plow-beam; B, the handle, with a cross-holder near the top. C is a center standard or head-piece and heel-piece, shown as cast or formed in one piece of metal, but may be formed in two parts, secured together by screws or wedges, whose upper part goes through the beam and is secured by a cross-wedge, *a*, through a small mortise. The heel is formed with a socket-mortise, which receives the lower end of the handle B at *b*, where it is secured by a pin.

On each side of the head-piece the line *c* forms a rabbet, which is dovetailed forward, and the cheek-pieces *d* and *e* (shown by dotted lines in Fig. 1 and in place in Fig. 3) are dovetailed backward, and form, conjointly with the lines *c*, a two-part tapering dovetail clutch, fitted to receive corresponding parts on the inside and at the fore ends of the shifting mold-pieces *f f*, as shown detached in Figs. 4 and 5, which, when in place, are kept from rising out by the ends of a wedge, *g*, going through a small mortise in the head-piece, and the mold-pieces are steadied laterally each by a small

cross-piece of wood or metal, *h h*, one end of which enters a small flanged hole on the inside of the mold-piece, and the other end enters a hole prepared to receive it in the lower part of the handle B.

The lower and fore part of the head-piece C is elongated forward at *i*, and spreads on each side, as shown by dotted lines in Figs. 1 and 2, and is tapered forward and beveled on each side to receive the share D, (shown in plan from below in Fig. 6 and in section in Fig. 7,) which is cast or formed in metal to fit as a dovetail on the part *i*, and is made with a wing on each side to lead with the mold-pieces, and when slipped on from the front is secured by a cross-wedge, *k*, which goes into a dovetailed notch across the lower side of the part *i* and takes against a bevel-pointed stud, *n*, on one side of the back end of the share.

When thus put together the plow is ready for use, and may be employed to effect the operations before described, and when it is required to throw out wider or narrower can have the mold-pieces then in use removed, and others with greater or less spread put in; or the mold-pieces and share may be removed when injured and new ones mounted, so long as the head-piece remains uninjured.

I do not claim to have invented any of the parts above described, the same taken separately being well known, except as hereinafter stated.

I claim—

1. The application of the dovetailed rabbet and cheeks on both sides the head-piece to receive corresponding parts in the fore end of the mold-pieces, by which wider or narrower mold-pieces may be used on the same standards or head-piece.

2. The mode of applying the dovetailed cross-wedge to secure the movable double-winged share as applicable to effect the intended purposes.

In witness whereof I have hereunto set my hand and seal, in the city of New York, on the 14th day of September, 1838, in the presence of the undersigned witnesses.

STEPHEN GREGORY. [L. S.]

Witnesses:

W. TERRELL,
W. J. TERRELL.