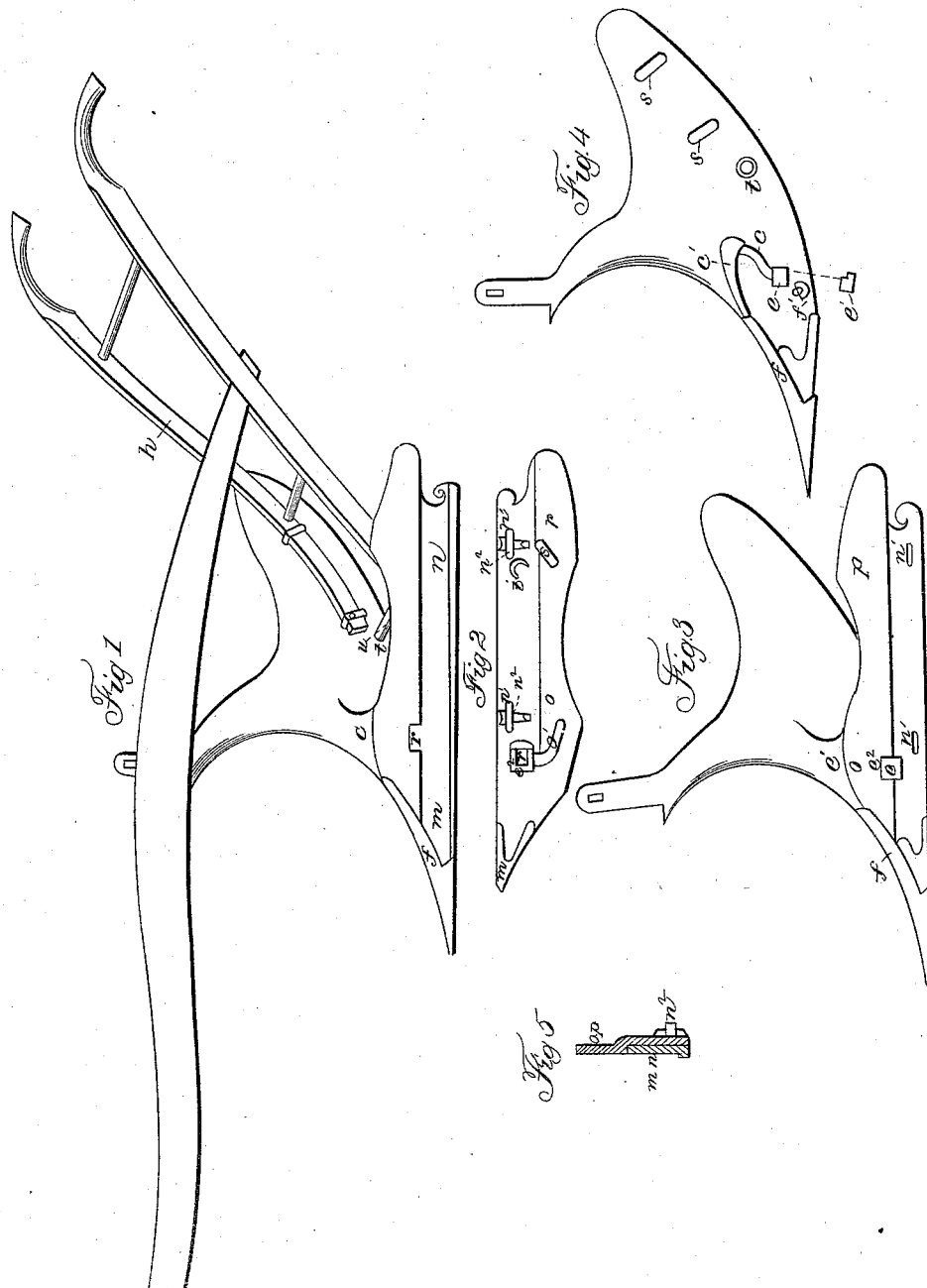


T. WIARD.

Plow.

No. 2,557.

Patented Apr. 16, 1842.



UNITED STATES PATENT OFFICE.

THOMAS WIARD, OF AVON, NEW YORK.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 2,557, dated April 16, 1842.

To all whom it may concern:

Be it known that I, THOMAS WIARD, of Avon, county of Livingston, and State of New York, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is an elevation of the landside of the plow; Fig. 2, the inside of the landside; Fig. 3, outside of the landside; Fig. 4, the inside of the mold-board, with landside removed, showing the lock *e'* in section below; Fig. 5, cross-section of landside and shield.

The beam and handles of my improved plow are constructed in the usual way. On the inside of the mold-board (which is formed like many now in use) I cast a square projection, *e*, Fig. 4, near the lower front corner which stands at right angles to the landside, having a lip at its outer end projecting backward. There is also a rib, *c*, curving upward and backward from the projection *e*, and of sufficient thickness to steady the landside. Above this is a horizontal projection, *c'*, jutting over the landside, which serves to hold it down to its place, and two staples, *s s*, properly placed to receive the right handle, *h*, and a socket, *t*, for holding the brace *u*, which extends across to the landside. The landside has a mortise, *e²*, into which the projection *c* enters, and is locked by putting the landside forward. Its lower half is recessed the thickness of the shield *m n*, so that when they are fastened to-

gether their faces will be even with each other, as is shown in cross-section, Fig. 5. It has also two slots, *n' n'*, near the lower edge, one at each end, to receive the staples of the shield; a socket for the brace *u*, and a staple, *s*, for the left handle. On the forward end there is a rib, *o'*, curved similar to that on the mold-board, which fits into the recess forward of the rib *c*.

The shield is an oblong plate of cast-iron, tapered in front to suit the form of the share *f*, which projects over it and serves to keep it steady. It also has a projection, *r*, rising from the upper side to cover the mortise *e* in the landside. On the inside are cast two staples, *n² n²*, which project through the slots in the landside and are keyed. The share is also fastened on by a staple, *f'*, on the under side, passing through the mold-board and keyed below.

I do not claim in the within-described plow the form of the mold-board curve or general arrangement of parts, as they are not new; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The projection *e* and rib *c* on the mold-board, combined with the mortise *e²*, projection *o*, and overlapping share *f*, in the manner and for the purpose herein described.

THOS. WIARD.

Witnesses:

WILLIAM LEIGH PIERCE LITTLE,
MATTHEW P. THOMAS.