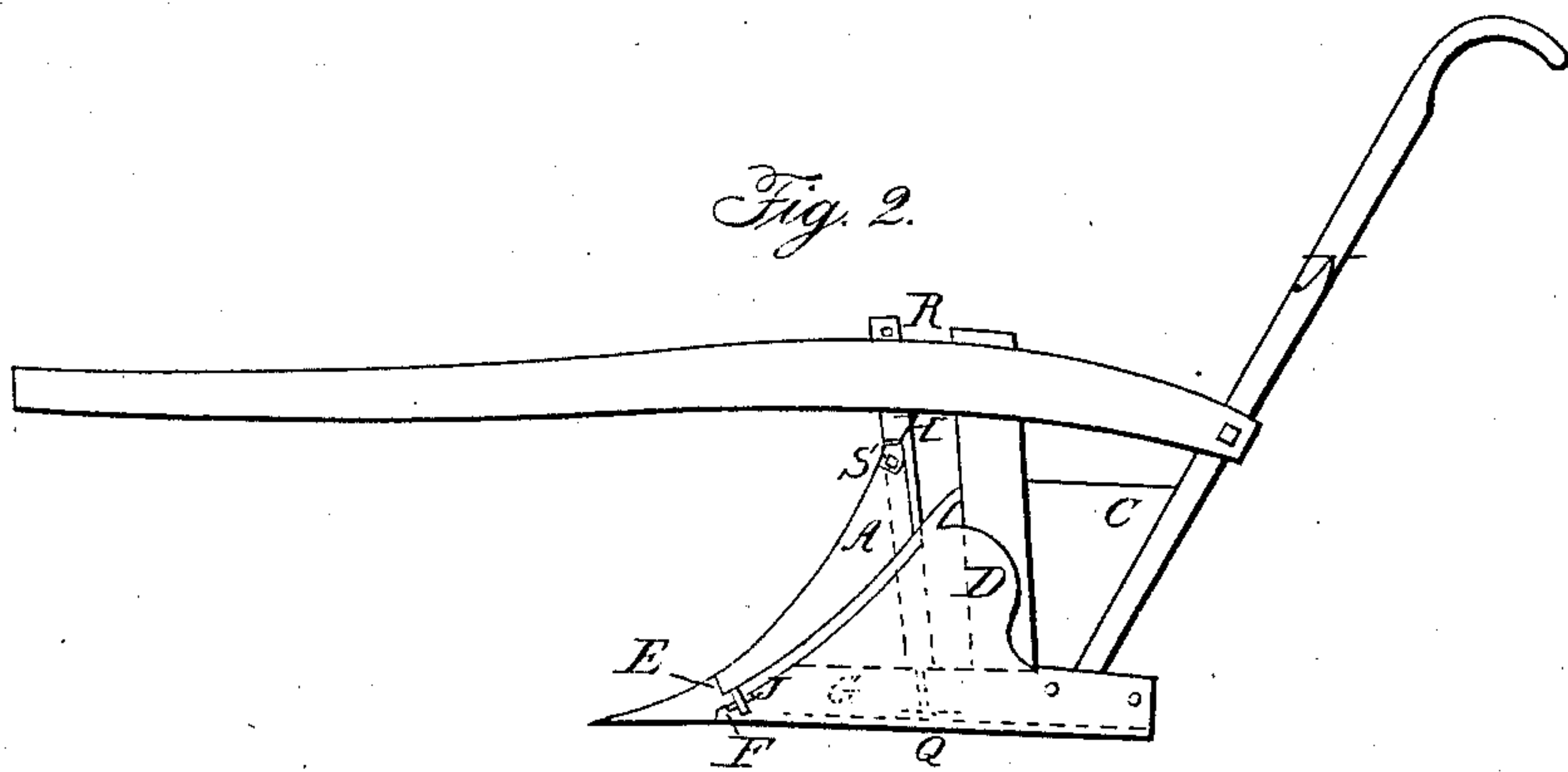
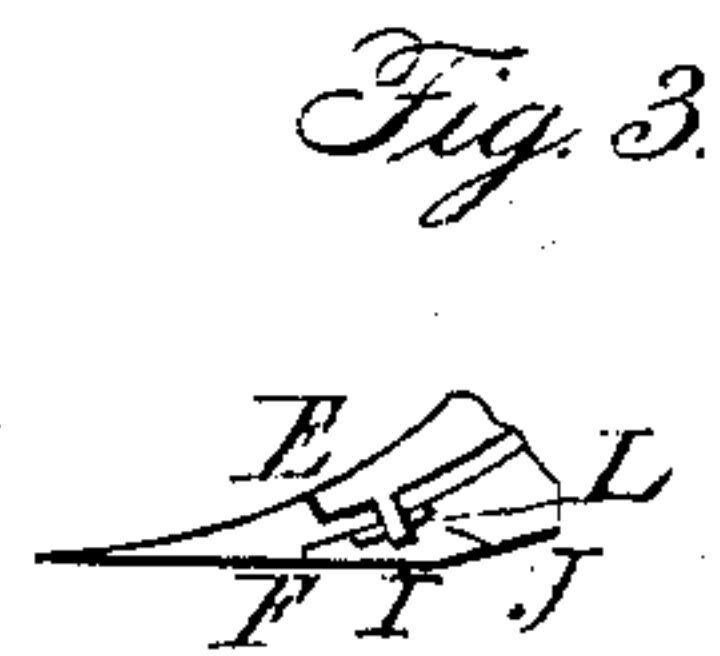
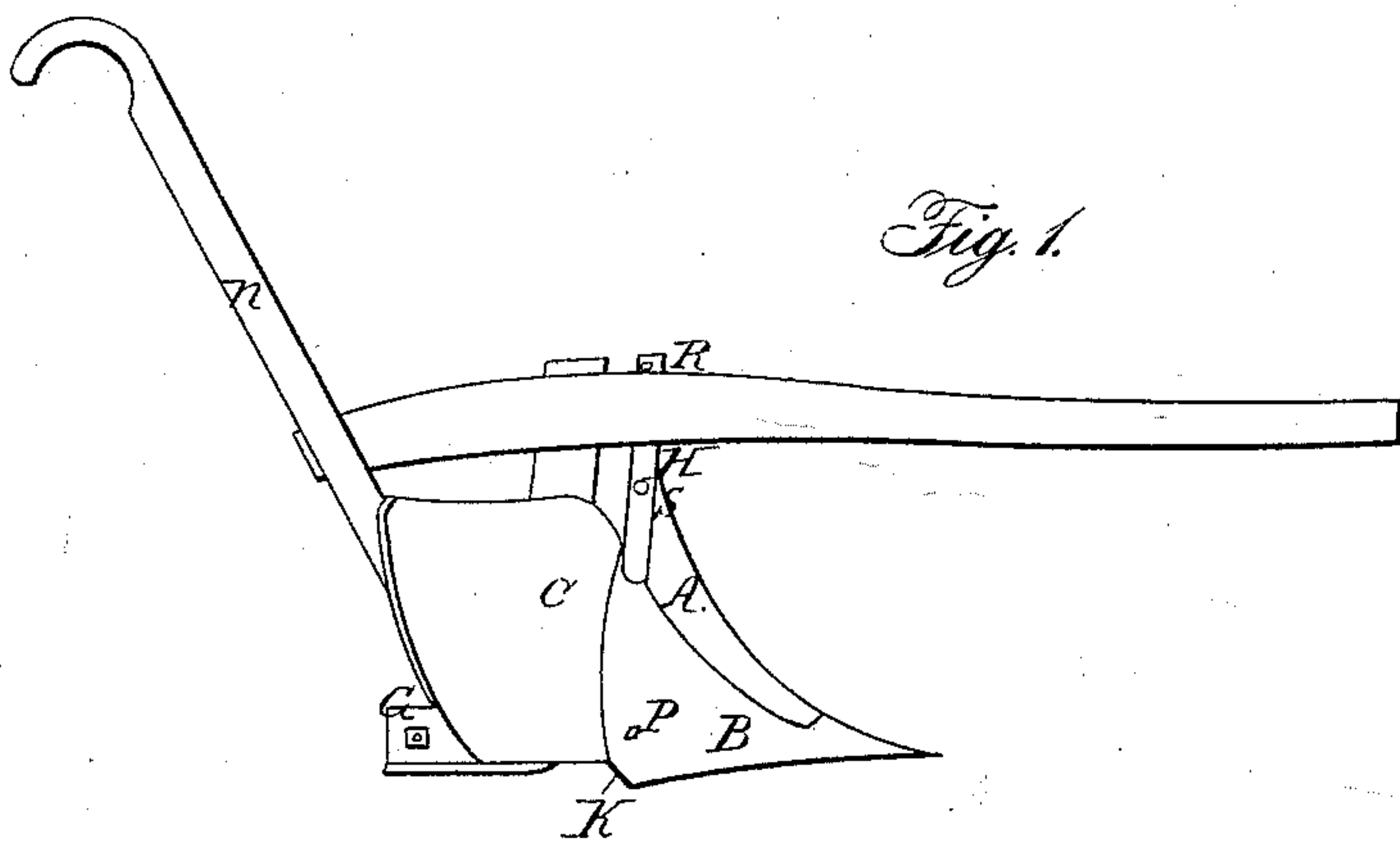


H. TAYLOR.

Plow.

No. 743.

Patented May 17, 1838.



UNITED STATES PATENT OFFICE.

HENRY TAYLOR, OF MONTAGUE, MASSACHUSETTS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 743, dated May 17, 1838.

To all whom it may concern:

Be it known that I, HENRY TAYLOR, of Montague, in the county of Franklin and Commonwealth of Massachusetts, have invented a new and useful Colter-Plow; and I do hereby declare that the following is a full and exact description.

The iron part of the said plow consists of three parts—to wit, the colter A, the shoe B, and the mold-board C, with the landside D connected—and they are to be made, constructed, and put together in the following manner:

The share is to be made of cast or wrought iron, of about fifteen inches long from the point of the share on the furrow side to the nose of the share, and curved so as to conform to the curve of the mold-board, having also a notch, E, back from the nose on the share (which is about three inches long) six inches from the point of the nose, for the lower end of the colter to rest in, also another notch, F, on the under side of the share, and opposite to the aforementioned one, for the point on the landside of the mold-board to rest in. From the notch on the upper side of the share to the nose the share is to be raised to an edge, so as to conform to the edge of the colter. The share is to be made so wide that the point on the furrow side is to extend out beyond the mold-board about an inch, as at K.

The colter A is to be made of wrought iron or steel, about fourteen inches long, and curved, having an edge on the concave-curved side, and also a bolt, I, Figs. 2 and 3, about three or four inches long, at the lower part of the colter, to pass down through the share in order to fasten it, in part, to the share.

The mold-board C is to be of cast-iron, about nineteen inches long and about twelve inches wide, and more hollowing than the common mold-board, and straight on the upper edge. The plate of iron D, Fig. 2, on the landside is to be cast with the mold-board, and connected with it in front, and extends out with the mold-board onto the share.

The wood part of the plow consists of a chip, a, Fig. 1, and represented by dotted lines in Fig. 2, beam and handles, and a standard. The beam is made in the common form, as also the handles. The chip G is made about eighteen inches long and about three and a half square.

The standard is to be of the length of the height of the plow, three and a half inches wide, and about two inches thick at the bottom and an inch and a quarter at the top.

The parts of the plow are described. The manner of putting them together is as follows: The chip G is to be inserted into the angle L, which is made by the mold-board with the plate on the landside, and so as to fit into the angle and touch the mold-board and plate. The wood standard is mortised into the chip perpendicularly, and also into and through the beam, and is placed so as to fill the angle of the mold-board and plate. The handle N on the landside is mortised into the chip and the back end of the beam. The other handle, n, is riveted to the mold-board on the inside, and both are supported with cross-pieces. The share is fastened to the plow or mold-board, upon which it laps, by means of two bolts, H and P, one short and one long. The short bolt, P, passes through the share and the lap of the mold-board to the right hand of the chip. The long bolt, H, passes down through the beam, the share, the lap of the mold-board, and the chip, and with a nut, Q, at the bottom, and a key, R, at the top, the notch before described, on the under side of the share resting on the point of the mold-board and plate. The colter is fastened onto the share, on the top of the share, by means of a bolt, I, at the lower end passing through the share, with a key, J, on the under side, and also by means of a short bolt, S, through the said long bolt.

The chip and the wood standard aforesaid are designed to give strength to the plow. That part of the chip in rear of the plate on the landside (which is connected with the mold-board) may be covered with plates of iron on the under side and on the landside, to prevent its wearing.

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

The peculiar mode of attaching the colter and share, and extending the share up so high as to receive the bolt H, which unites the colter, share, mold-board, and chip.

HENRY TAYLOR.

Witnesses:

ALMON BRAINARD,
JOHN R. HALL.