C. St. JOHN.

Plow.

No. 58,911.

Patented Oct. 16, 1866.

Fig. 1.

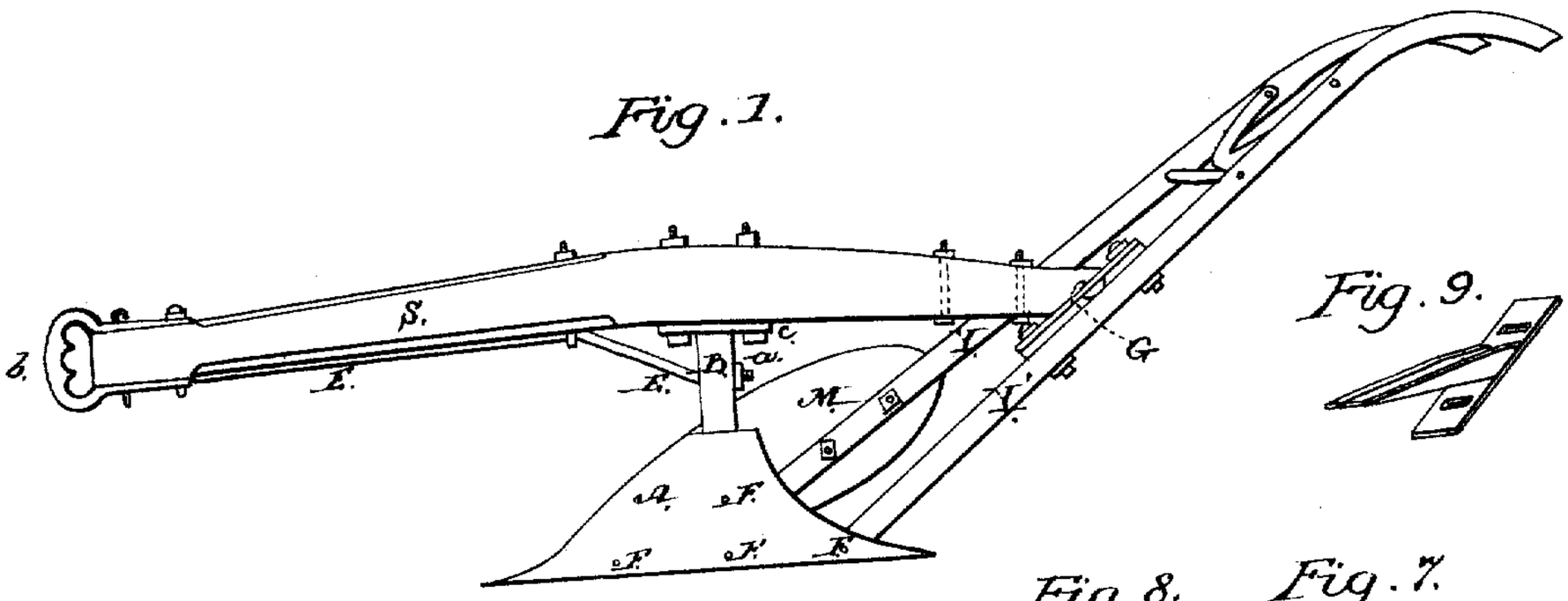


Fig. 9.

Fig. 8.

Fig. 7.

Fig. 2.

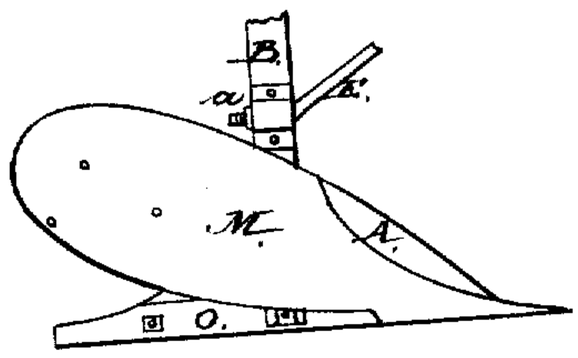


Fig. 6.

Fig. 3.

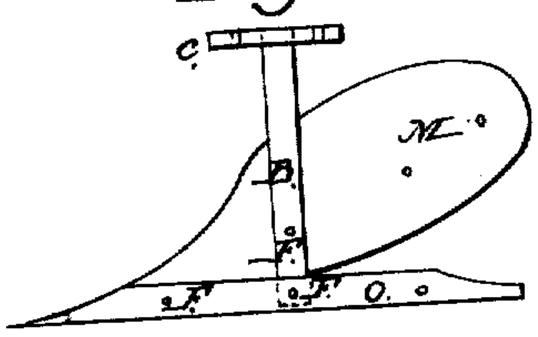


Fig. 4.

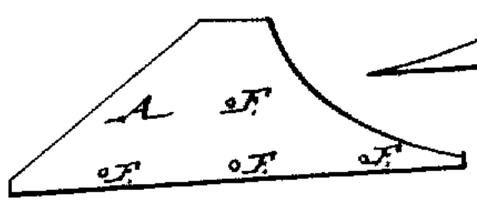
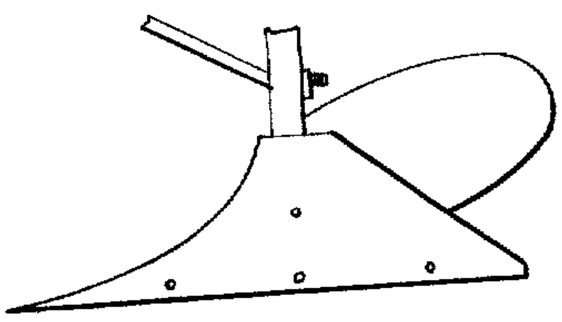


Fig. 5.



Witnesses:
F. A. Jackson
Jas. A. Service

Inventor:
Carlisle St. John.
Per Munn & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

CARLISLE ST. JOHN, OF KEOSAUQUA, IOWA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **58,911,** dated October 1866.

To all whom it may concern:

Be it known that I, CARLISLE ST. JOHN, of Keosauqua, in the county of Van Buren and State of Iowa, have invented a new and Improved Plow; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification.

The nature of my invention consists in constructing the land-side and colter of a plow both of the same piece, in such a form that a good colter is made and also the land-side of a plow. My improved cutter and land-side is so constructed that when it is not desired to use the colter it may be reversed or changed end for end, which will then fit and conform to the mold-board, so it may be reversed from rear to front and front to rear, as may be desired.

It further consists in attaching a brace which extends from the back or rear end of the clevis under the beam and connected to the standard by a screw-nut.

It also consists in a novel and peculiar way of attaching the rear end of the beam to the handle, in combination with the brace-rod underneath the beam.

The advantages of my improvements will at once be seen from the fact that the colter is always attached to the plow, and therefore is not mislaid and lost, which is often the case when colters are detached and attached by means of gripes, keys, and other devices, some of which are very liable to be misplaced and lost.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is a perspective view of my improved plow, showing the land-side or cutter-plate properly attached. Fig. 2 is a view of the mold-board, also showing the cutter. Fig. 3 is a plan view, showing the manner of attaching the cutter-plate. Fig. 4 is a side elevation of the cutter-plate. Fig. 5 is a side elevation, showing the cutter-plate reversed. Fig. 6 is a top plan view of the standard-plate, showing the manner by which it is secured to the beam. Figs. 7 and 8 are plan views of corresponding corrugated castings regulating the guide of the plow. Fig. 9 is a plan view of one of the corrugated castings, showing the manner by which it is attached to the beam.

Letters of like name and kind refer to like parts in each of the figures.

A in Fig. 1 represents the cutter-plate of my improved plow. The said plate may be made of steel or other suitable metal, and in the form, or nearly as may be, as seen in the figures.

The said plate A is secured to the standard B by means of screw-bolts at F F F F, Figs. 1 and 4.

B is the standard rigidly secured to the base-piece O, and extends up, on the top of which is the cap piece or plate C, which is also firmly secured to the standard B. In the cap or plate C are slots provided for the purpose of admitting the screw-bolts by which it is secured to the beam, also so that the beam may be adjusted so as to accommodate itself properly in the direction of the line of draft.

M is the mold-board, made of steel or iron in the ordinary manner, and secured by any of the well-known means to the base O, and mold-board M.

S is the beam, at the rear end of which is secured the corrugated plate G^1. The said plate G^1 is also provided with slots, through which screw-bolts pass. These slots are also for the purpose of adjusting the rear end of the beam, so as to accommodate it to the line of draft. This plate G^1 is made to fit in a corresponding corrugated plate, G^2, which is firmly fastened to the handle Y′.

E is a brace-rod running from the rear end of the device under the beam back to near the standard B, where it is inclined and passes through the standard B, and secured thereto by means of a screw-nut, *a*.

b is the device of ordinary construction.

The operation consists simply by removing the bolts F, which releases the land-side or colter from the standard, and it may be reversed and secured by means of the same bolts, F, so that the cutter may be attached or detached conveniently.

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

1. A land-side that may be changed end for end, on one end of which is a cutter so constructed that the cutter may be used or not, as desired, for the purposes and substantially as described.

2. The corrugated plates G^1 and G^2, the plate G^1 being provided with a strap and socket, in combination with the beam S and brace-rod E, for the purposes and substantially as described.

CARLISLE ST. JOHN.

Witnesses:
CHARLES BALDWIN,
EDWIN MANNING.