

T. E. PUTNAM.

Improvement in Plows.

No. 129,296.

Patented July 16, 1872.

Fig. 1

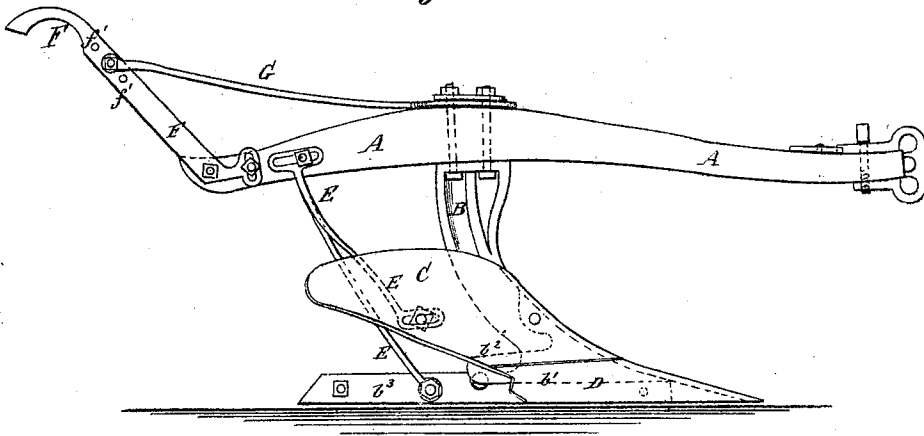
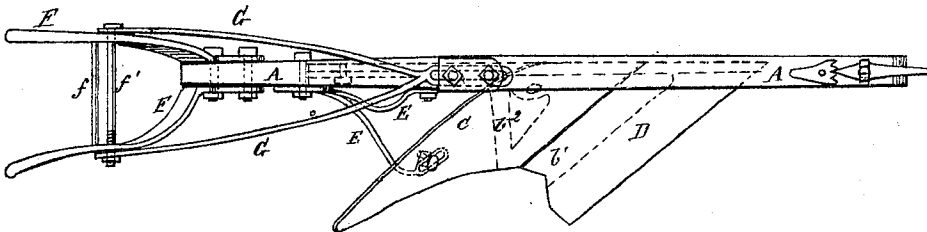


Fig. 2



Witnesses:

A. W. Almqvist  
W. A. Graham

Inventor:

Thomas Edwin Putnam.

PER

Wm. J. G. Co.  
Attorneys.

# UNITED STATES PATENT OFFICE.

THOMAS E. PUTNAM, OF WINNECONNE, WISCONSIN.

## IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 129,296, dated July 16, 1872.

Specification describing a new and useful Improvement in Plows, invented by THOMAS EDWIN PUTNAM, of Winneconne, in the county of Winnebago and State of Wisconsin.

Figure 1 is a side view of my improved plow. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

My invention pertains to the arrangement of a double brace in connection with the beam, and mold-board, and land-side of a plow, as hereinafter described.

A represents the beam, to which is bolted the upper end of the standard B. The standard B is provided with a flange,  $b^1$ , to receive the mold-board C and share D, with a brace,  $b^2$ , to support the inward pressure, and with a land-side,  $b^3$ , cast of malleable iron, in one piece, thus forming a complete plow-frame. The parts of the standard exposed to wear should be faced with steel. E is a double or branched brace, the lower end of one arm of which is bolted to the land-side  $b^3$ . The lower end of the other arm is bolted to the mold-board C by a bolt which passes through a slot in the said end of the said arm. The upper end of the brace E has a slot formed in it to receive the bolt, by which it is secured to the beam A. It is intended in practice to have the beam A rest on the top of the standard B, at an angle thereto, or with its rear end slightly elevated. To effect this I loosen the nut on the rear bolt of the two which secure the beam to the standard, and thus practically lengthen the same bolt. This brings, as I desire to be the case, a large share of the draft

strain or tension on the double brace E, and through it on the plow proper. By this construction the plow may be readily adjusted to run deeper or shallower in the ground, as may be desired. F are the handles, the upper parts of which are connected and held in their proper relative positions by one or more rounds,  $f$ . The lower ends of the handles F are bent forward, and are secured to the opposite sides of the rear end of the beam A by two bolts, one of which passes through a hole in the handles F at the bend, and the other through a slot in their ends, as shown in Figs. 1 and 2, so that the said handles F may be readily adjusted. The handles F are further secured in place by a double or branched brace, G, the rear ends of the branches of which are secured to the upper parts of the handles F. The lower or forward end of the brace G is slotted longitudinally to receive the bolts that secure the standard B to the beam A, so that the said brace may be conveniently adjusted to correspond with the adjustment of the handles F.

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

The arrangement, with the beam A and plow proper, of the brace E, formed in two parts, and made adjustable, as set forth, for the purpose specified.

THOMAS EDWIN PUTNAM.

Witnesses:

EUGENE BROWN,  
WM. H. WILLIAMS.