(No Model.)

T. M. BISSELL.

PLOW.

No. 312,797. Patented Feb. 24, 1885.

Fig. 1.

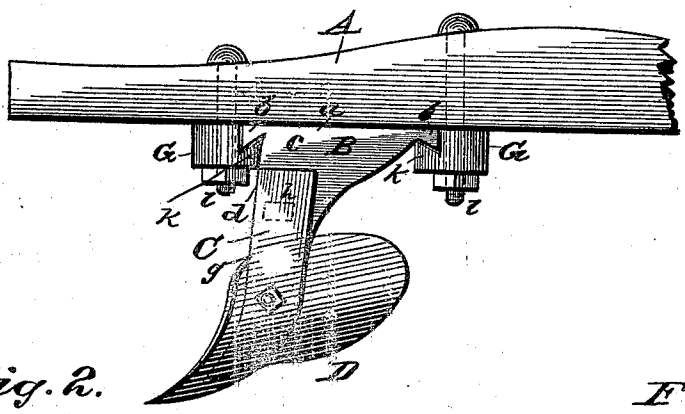


Fig. 2.

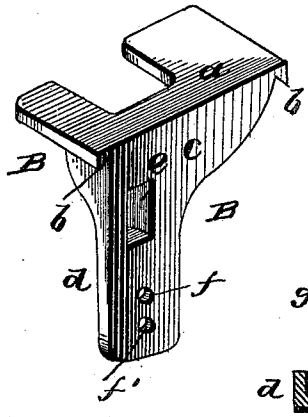


Fig. 3.

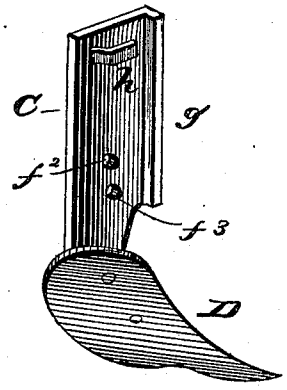


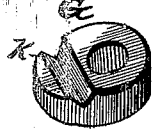
Fig. 4.



Fig. 5.



Fig. 6.



WITNESSES

Phil C. Dietrich.

W. R. Keyworth

INVENTOR

Thelus M. Bissell

by: W. Alexander

ATTORNEY

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

THELUS M. BISSELL, OF SOUTH BEND, INDIANA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 312,797, dated February 24, 1885.

Application filed June 30, 1884. (No model.)

To all whom it may concern:

Be it known that I, THELUS M. BISSELL, of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a side view of my improved plow attachment secured to a part of a beam. Fig. 2 is a perspective view of the bracket detached from the beam. Fig. 3 is a perspective view of the standard with plow attached. Fig. 4 is a horizontal section through the standard, showing the hook. Fig. 5 is a horizontal section through the bracket, showing the recess for said hook. Fig. 6 is a perspective view of one of the gibs or clamping-blocks.

This invention relates to new and improved means for fastening a jointer-standard to the bracket and the bracket to the plow-beam, as will be fully understood from the following description, when taken in connection with the annexed drawings.

A designates a plow-beam, to which is rigidly secured an angular flanged bracket, B. This bracket is constructed with a top flat part, *a*, having beveled flanges *b b* formed at the front and rear. From the said part *a* depends perpendicularly a flat portion, *c*, formed with a front straight edge, *d*, and having a hooked or beveled recess, *e*, and also two holes, *f f'*.

C designates the jointer-standard, having the jointer D rigidly secured to its lower end in any suitable manner. The standard C is constructed with a rib, *g*, on its front edge, adapted to fit against the straight edge *d* of the bracket B. It is also constructed with a hook, *h*, near its upper end on one side, which hook is adapted to engage in the recess *e* in bracket B. Two holes, f^2 f^3, are made through the standard C for the reception of a bolt, *i*, which is passed through either one of the holes *f f'*, for assisting in securing the standard to the bracket. The hook *h* is much narrower vertically than the length of the recess *e*, for the purpose of allowing vertical adjustment of the standard on the bracket when the bolt *i* is removed. The holes *f f'* f^2 f^3 are spaced so as to be different distances apart for the following reason: Suppose the standard to be set to its place, with the hook *h* in the recess *e* and the rib *g* against the straight edge *d* of the bracket. It can be slid upward until the lower hole, f^3, coincides with the hole *f*. Then by passing a bolt through said holes and screwing up the nut on the same the standard is firmly bound to the bracket. Now, it is evident that by taking out the bolt and lowering the standard the holes will coincide as follows: first, f^4 with *f;* second, *f* with f^2; third, f^3 with *f'*, and, fourth, f^2 with *f'*, thus affording four adjustments of the jointer vertically, and in each case the standard is firmly bound to the bracket with a single bolt. The bracket is rigidly secured to the plow-beam by means of gibs or blocks G, having beveled lips *k*, that engage with the beveled flanges *b b* on the ends of the bracket. The gibs G are perforated and receive bolts *l l*, that are passed vertically through the beam and have nuts screwed on them, which rigidly bind the upper surface of the bracket to the lower side of the plow-beam. As the gibs are allowed to turn about their bolts when the nuts thereon are loosened, the bracket can be adjusted to the right or left sufficiently to allow the jointer to be set in line with the plow.

Having described my invention, what I claim is—

The combination, with the standard B, having a straight edge, a beveled recess, and apertures *f f'* at one side, of the jointer-standard C, flanged at one edge, as indicated by the letter *g*, and provided with a hook, *h*, adapted to hook into the beveled recess *e* and hold the flange to the straight edge, the said jointer-standard being provided with apertures f^2 f^3, to permit the two standards to be adjustably bolted together, substantially as specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

THELUS M. BISSELL.

Witnesses:

ANDREW ANDERSON,

WILLIS A. BUGBEE.