

(No Model.)

I. R. GILBERT.

FLOW STANDARD.

No. 246,496.

Patented Aug. 30, 1881.

Fig. 1.

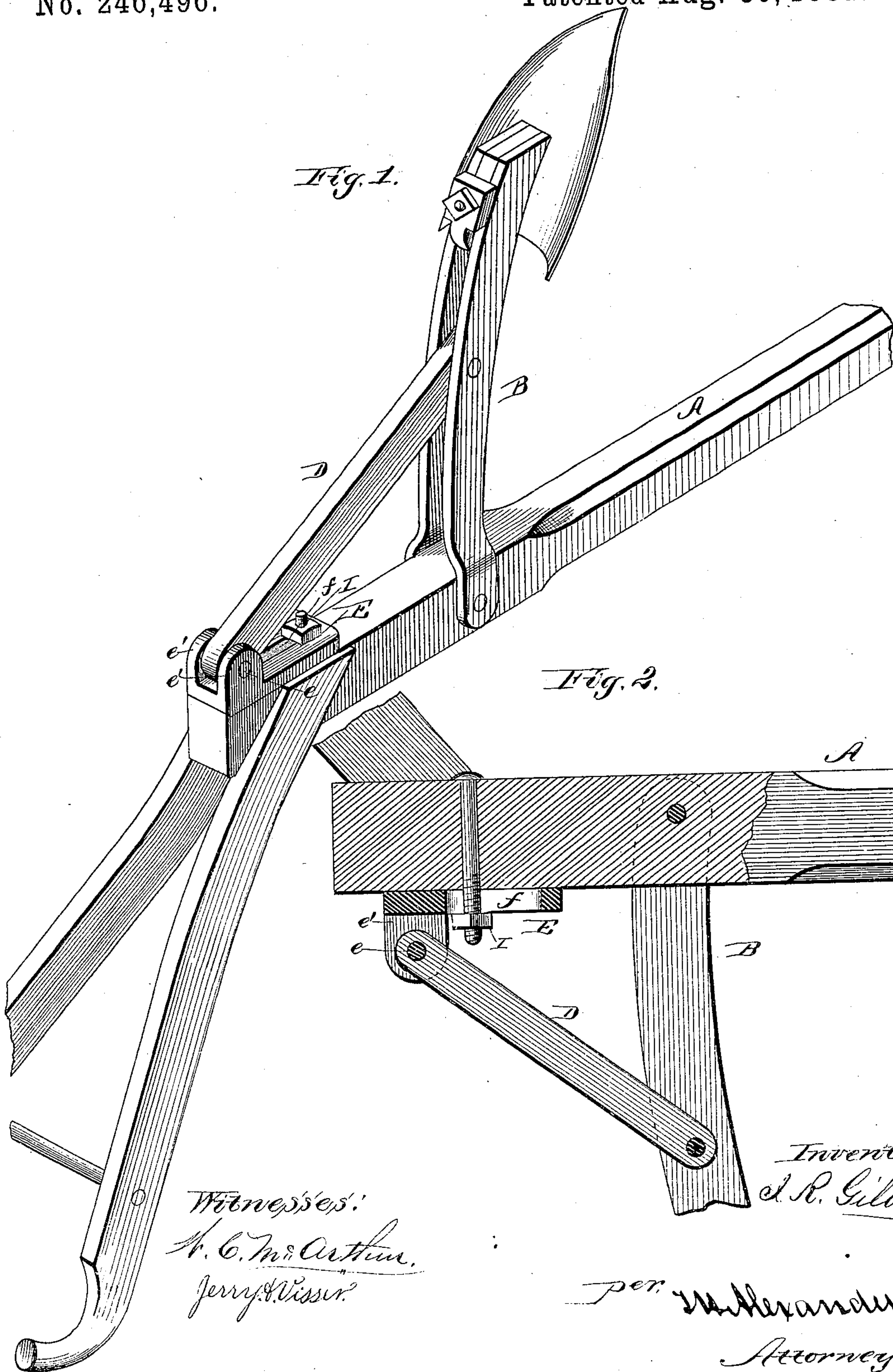


Fig. 2.

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UNITED STATES PATENT OFFICE.

ISAAC R. GILBERT, OF CHARLESTOWN, INDIANA.

PLOW-STANDARD.

SPECIFICATION forming part of Letters Patent No. 246,496, dated August 30, 1881.

Application filed April 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, ISAAC R. GILBERT, of Charlestown, in the county of Clark and State of Indiana, have invented certain new and useful Improvements in Plow-Standards; 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 a part of this specification.

The nature of this invention relates to a plow in which the standard is adapted to be provided with either a shovel-blade, a cotton-scraper blade, a cotton-sweep blade, a bull-tongue blade, or a turning-plow bottom. These devices are detachably secured to the standard, and from their construction and the object for which they are employed require the standard to be set at different angles with respect to the plow-beam in order to vary the pitch of the attached blade.

The object of my improvement therefore is to provide means for readily adjusting the standard to the angle requisite to give the proper pitch to the blade which it carries. To attain this object I pivot the upper end of the standard to the plow-beam, and to a sliding block adjustably connected with the beam I pivot an inclined brace that is hinged to the standard, as hereinafter described and claimed.

In the annexed drawings, Figure 1 is a bottom perspective view of my invention, and Fig. 2 is a longitudinal section taken on a vertical plane through the same.

A indicates the plow-beam; and B the slotted standard, which is adapted to receive various kinds of plow-blades, said blades being bolted to the standard as usual. The standard is hinged to the beam so that it can be swung backward or forward as occasion may require.

D indicates the inclined brace that is arranged at the rear of the standard. This brace is hinged or pivoted in the slotted standard, and is also hinged to a sliding block or plate, E, by means of a pivot, *e*, passing through lugs *e' e'*, that are formed upon said plate or block. This plate or block can be moved backward

or forward along the under side of the beam in order to vary the angle of the standard, and hence determine the pitch of the blade carried thereby. To hold this sliding plate to the beam, and also to secure it in its adjustment, I form it with a slot, *f*, through which a bolt passes, said bolt also passing through the beam and being secured thereto. Upon the lower screw-threaded end of this bolt is arranged a nut, I, which not only serves to hold the sliding plate in contact with the beam, but which, when tightened up against the slotted plate or block, secures the same in place.

It is obvious that a metal plate could be secured to the beam and a set-screw passed through the slot of the sliding plate into the plate that is held rigid with the beam.

I am well aware that various means have been used for adjusting plow-standards to different angles, and among them an angular brace, one end of which is pivoted to the standard and the other provided with a slotted plate, by means of which it is bolted to the beam. Such an arrangement fails to effect perfect results, as I find it absolutely necessary to pivot or hinge the brace not only to the standard, but also to a sliding block, in order to admit of the block sliding on a line parallel with the under side of the beam, and thus enabling the brace to be easily set at any desired angle and quickly secured in any given position.

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

The combination, with a plow-beam and a sliding block formed with a slot and lugs, as described, of a slotted standard and an inclined brace, said brace being pivoted to the standard and block, all constructed and arranged to operate as herein set forth.

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

ISAAC R. GILBERT.

Witnesses:

MITCHEL P. ALPHA,
SOLON YOUNG.