

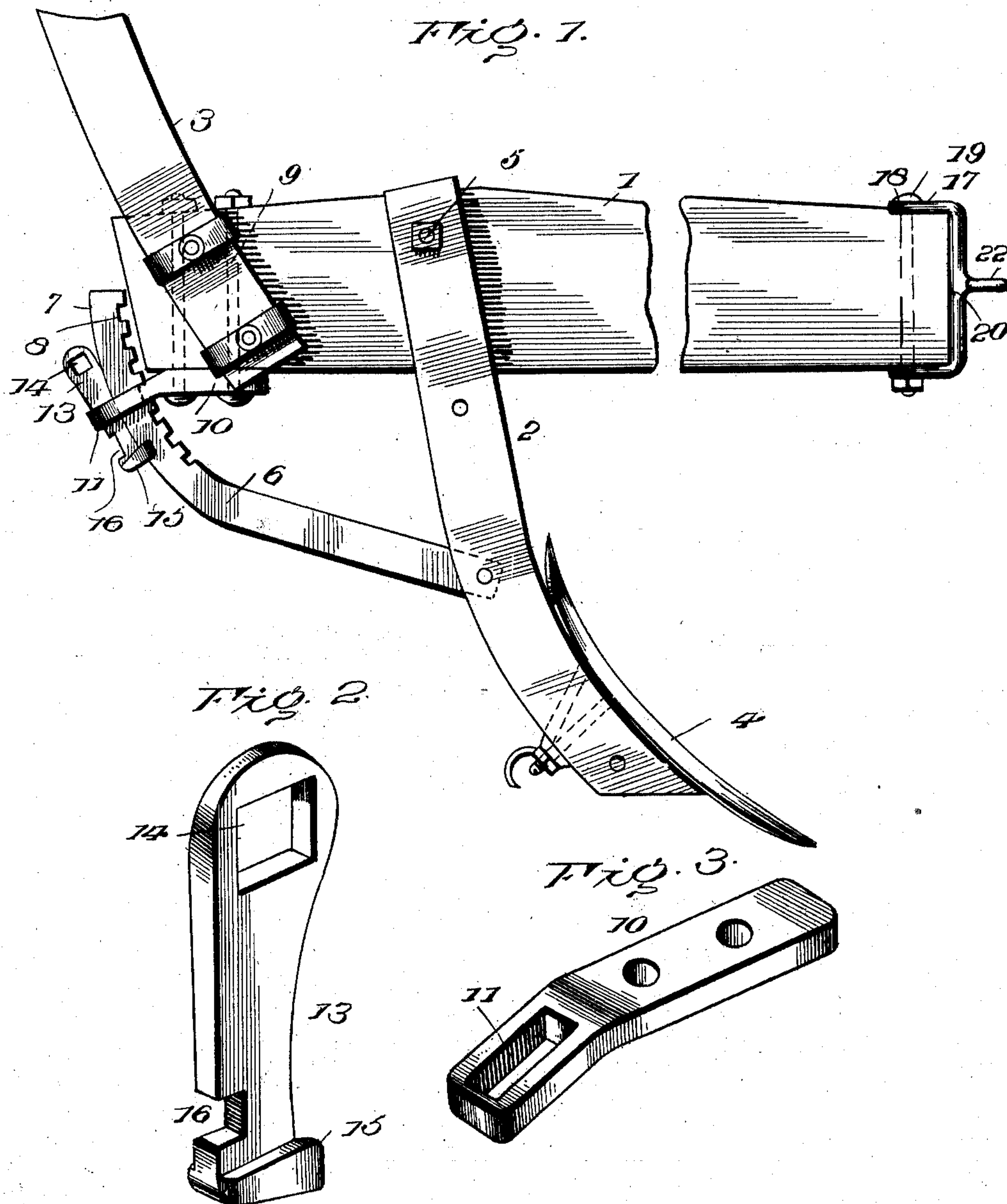
No. 759,965.

PATENTED MAY 17, 1904.

G. C. BROWN.  
PLOW STANDARD.

APPLICATION FILED JUNE 10, 1903.

NO MODEL.



WITNESSES

*James M. ...*  
*Geo. Robb.*

INVENTOR

G. C. BROWN

by

*Robert H. Racy* Atty.



# UNITED STATES PATENT OFFICE.

GEORGE C. BROWN, OF FORT GAINES, GEORGIA.

## PLOW-STANDARD.

SPECIFICATION forming part of Letters Patent No. 759,965, dated May 17, 1904.

Application filed June 10, 1903. Serial No. 160,916. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE C. BROWN, a citizen of the United States, residing at Fort Gaines, in the county of Clay and State of Georgia, have invented certain new and useful Improvements in Plow-Standards, of which the following is a specification.

This invention provides novel improvements in plows, consisting, primarily, in the special means employed for adjusting the plow-standard, causing consequent raising and lowering of the plowshare for purposes which will be readily apparent to those versed in this art. The peculiar construction of the parts adapts the standard for a greater range of adjustment in a quicker and more simple manner than has yet been attained in other inventions of this class. In using the very wide or long pointed wing or solid sweeps an adjustment of the ordinary ratchet or bent foot-stock is inadequate, and often it is the source of no small amount of chagrin and annoyance on the part of the operator to secure the exact set necessary to get the most satisfactory results in the cultivation of the soil.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a plow embodying the invention. Fig. 2 is a detail perspective view of the wedge member. Fig. 3 is a detail perspective view of the adjusting-plate carried by the plow-beam.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The common form of plow is illustrated in the drawings, consisting of the beam 1, standard or stock 2, and rearwardly-extending handles 3. The stock 2 is provided with a plow-blade or analogous part 4 and is pivotally se-

cured at 5 to the standard. In rear of the stock 2 is disposed the brace 6, said brace being pivotally secured at the lower end of the stock 2. The brace consists of a longitudinal bar provided with the arcuate end portion 7. Upon the end portion 7 of the brace 6 and longitudinally thereof are disposed a plurality of notches 8, which notches cooperate to effect the adjustment of the stock in a manner which will appear as the description advances.

Upon the rear end of the beam 1 and secured thereto in any suitable manner, such as by fastenings 9, is a plate 10, which plate is provided with a loop 11, extended rearwardly therefrom and projected beyond the rear extremity of the beam 1. The loop 11 receives the arcuate end portion 7 of the brace 6 and cooperates therewith to secure the same at an ascertained adjustment. To accomplish the above, the notched portion of the brace is adapted to cooperate with the plate 10 by engagement therewith to hold the stock in position at proper adjustment relative to the beam 1. To hold the notched end portions 7 of the brace in engagement with the plate 10, a wedge element 13 is utilized, which is received by the loop 11 in rear of the aforesaid brace and serves to abut thereagainst and by proper exercise of pressure causing a wedging action to firmly hold the said end portion 7 of the brace in the engaging relation above described. The wedge 13 is provided in rear with a square opening 14, by which the said wedge may be manipulated. At the lower end portion of the wedge are disposed laterally and forwardly extending lugs 15, said lugs preventing displacement of the wedge from its position within the loop 11 and also serving to guide the wedge in its longitudinal movement in contact with the end portion 7 of the brace. The fore portions of the lugs 15 embrace the sides of the notched end portion 7 of the brace, thus constituting guide means, as before mentioned. Adjacent the lugs 15 and at the lower end of the wedge is located a cut-away portion 16, which cut-away portion is adapted to cooperate with the rear end of the loop 11 when the wedge is in its uppermost position to permit sufficient movement of the brace-bar 6 to dis-



engage the notched portion thereof from the plate 10. When disengaged, the brace-bar may of course be adjusted to any desirable point, this of course depending upon the circumstances. The wedge is designed to remain permanently within the loop 11, this being of some advantage in that it is always a desideratum to have all cooperating and adjacent parts assembled in their proper positions at all times. However, it may be removed and used as a wrench by removing the brace from the loop 11. The square opening serves to receive a nut or bur.

Having thus described the invention, what is claimed as new is—

1. In a plow, the combination with a beam, of a pivoted stock, a brace carried by said stock and provided with a notched rear portion, a loop disposed upon the beam and receiving the brace, a lock device secured to said loop and adapted in one position to permit adjustment of the brace and in another position to confine said brace at an ascertained adjustment, and guide means independent of the loop for directing the movement of the lock device relative to the brace.

2. In a plow, the combination with a beam, of a pivoted stock, a brace pivotally secured to the stock and provided with a notched rear portion, a plate disposed upon the rear end of the beam and provided with a loop, a lug extended from the plate intermediate the sides of the loop for cooperation with the notched portion of the brace, and a wedge disposed in

contact with the brace within the loop and adapted to hold the notched portion of the brace in engagement with the plate, and lugs projected laterally and forwardly from the wedge for preventing displacement of the said wedge and for guiding its movement.

3. In a plow, the combination with a beam, a pivoted stock, a brace extended upwardly from the stock and provided with a notched rear portion, a plate disposed upon the rear end of the beam provided with a loop extended beyond the end of the beam to receive the notched portion of the brace, a lug projected from the plate and disposed intermediate the sides of the loop, a wedge disposed within the loop and adjacent the notched portion of the brace and adapted to hold the latter in ascertained adjustment in engagement with the plate, laterally and forwardly extending lugs disposed at the lower end portion of the wedge and adapted to prevent displacement thereof and guide same in its movement relative to the brace, said wedge being provided with a cut-away portion adjacent the lower end thereof to cooperate with the loop to permit movement of the brace and disengagement of the notched portion thereof from the plate.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE C. BROWN. [L. s.]

Witnesses:

I. P. CHAMBERS,  
M. H. GREENE.