J. M. BASSETT.

Plow.

No. 205,992. Patented July 16, 1878.

Fig. 1.

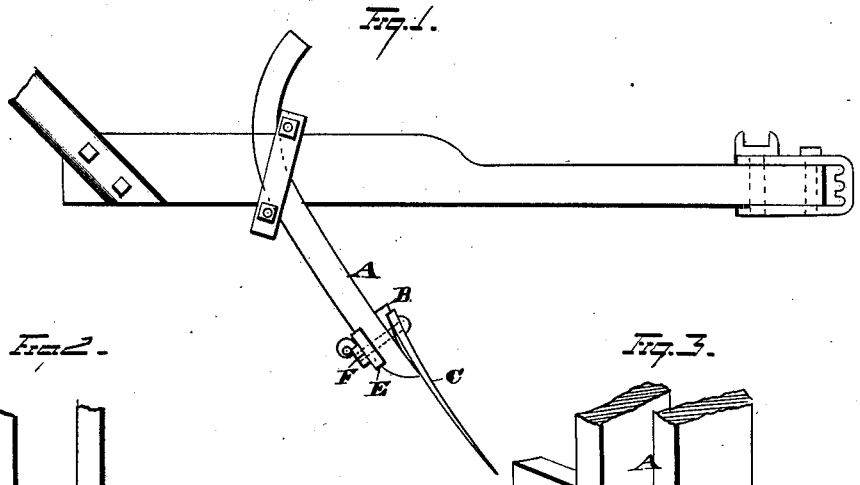


Fig. 2.

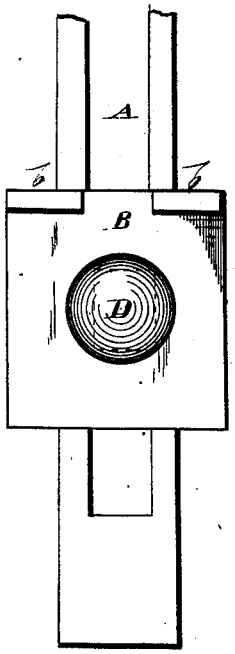


Fig. 3.

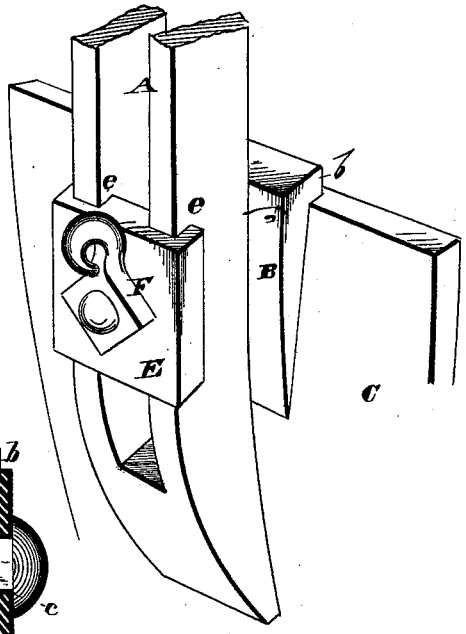
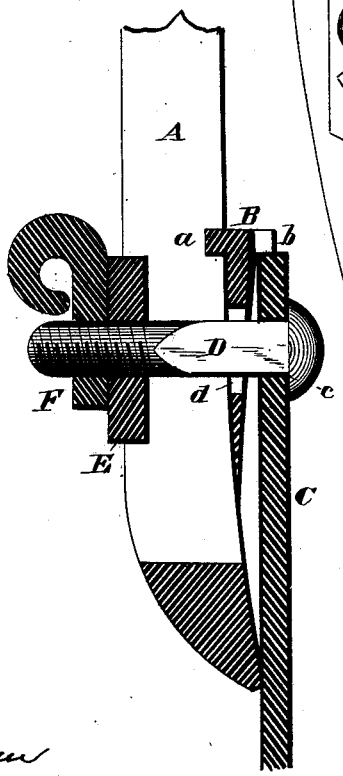


Fig. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

JOHN M. BASSETT, OF ATHENS, GEORGIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **205,992**, dated July 16, 1878; application filed April 11, 1878.

To all whom it may concern:

Be it known that I, JOHN M. BASSETT, of Athens, in the county of Clarke and State of Georgia, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates more especially to means for fastening the plow or plowshare to the standard, and consists in a construction as follows: The standard is made longitudinally slotted in any suitable manner, and is provided with an independent plate, which is clamped to its front side by a bolt which passes through an oblong slot formed in its longitudinal central body. This plate is adapted to give bearing to the plow or plowshare, and is provided with right-angular shoulders formed on its front upper body, which are designed to prevent lateral displacement of the plow or plowshare as the latter abuts against the same. A stop-piece is also formed on the rear side of the upper body of this plate, which fits into the space formed between the two branches of the slotted standard, and prevents lateral movement of the plate itself, so that the latter may not be moved together with the plow or plowshare, but both the same be maintained in proper position. This plate may be used alone upon a slotted standard in connection with any suitable fastening device, as the same accomplishes a complete unitary result; or it may be used in connection with a plate which is clamped to the rear side of the standard, and is adapted for use as follows: It is made with two longitudinal grooves, in which the branches of the slotted standard, respectively, are fitted, so as to clamp or secure the same together. It is fastened to the rear side of the standard by the bolt which secures the plate giving bearing to the plow or plowshare at the front side of the standard. This grooved plate is especially intended for use in securing together the lower extremities of the two branches of the slotted standard when the same are not otherwise connected, such as by being made in single piece or by being united by welding or by other means. It is, however, evident that the same may be used even when the said branch extremities of the standard are otherwise connected.

Referring to the drawings, Figure 1 is a view, in broken part, of any ordinary plow having my invention applied thereto. Fig. 2 is a front detail view of the standard and the connecting parts with the plow or plowshare removed. Fig. 3 is a rear perspective view of the same with the plow or plowshare in position. Fig. 4 is a transverse section thereof.

The slotted standard A is secured by any suitable means to the plow-beam, and the form shown in the drawings is given merely by way of illustration. The lower extremities of its two branches may be welded together, formed in single piece, or in other manner connected together. My invention is independent of all the foregoing described parts, and the same may be made in other ways from that shown.

The plate B may be made tapering or wedge-shaped in longitudinal section, as shown, or it may be made flat and of equal thickness throughout its entire length. It is adapted to give bearing to the rear face of the plow or plowshare C, as the latter is secured thereto by the bolt D, which passes through the slot *c*, formed in the said plow or plowshare, and the oblong slot *d*, formed in the longitudinal central body of the plate B. This bearing-plate B is provided with the two right-angular shoulders *b*, which are formed on its front side across its upper edge. They serve to provide abutment, against which the plow or plowshare has vertical bearing, and all tendency toward lateral movement of the latter is thus prevented. These shoulders, in connection with the fastening-bolt, secure the plow or plowshare firmly in position, since the bearing-plate B itself is prevented from any lateral displacement by the stop-piece *a* secured to its rear side near to its top edge, and which fits in the slot between the two branches of the slotted standard. When the bearing-plate is made wedge-shaped it is evident that as the fastening-bolt clamps the plow or plowshare tightly thereto, the latter will be drawn down upon the same so as to conform to the vertically-curved plane made by the tapering form of said plate, and a very secure fastening of

the plow or plowshare to the bearing-plate is obtained by such a binding engagement. I may, however, as before stated, make this bearing-plate of equal thickness throughout its length, and in such case the plow or plowshare will have flat and even pressure bearing against the plate at all points of contact therewith. This bearing-plate, in connection with a suitable fastening device, may be used alone upon the slotted standard, or, if desired, the same may be used in connection with a grooved plate, E, as follows: The plate is formed with the two longitudinal grooves *e*, in which the respective branches of the slotted standard are seated, and the bolt D passes through the plate midway between the said grooves, and clamps the same to the rear side of the standard by means of any suitable nut, F.

The object of this grooved plate is to secure together the lower extremities of the two branches of the slotted standard in instances where they are not otherwise connected. In such case they are firmly clamped together and maintained in proper position by this grooved plate operating in connection with the fastening-bolt.

The grooved plate may also well be used in instances where the branch extremities of the standard are united by other means, since it gives a firm support for attachment of the plow or plowshare to the slotted standard, and makes the latter stronger. However, in such case its employment is optional, and it may be omitted as is desirable.

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

1. The combination, with a slotted standard and fastening device, of the independent plate adapted to give bearing to the plow or plowshare, said plate being made tapering or wedge-shaped in longitudinal section, substantially as set forth.

2. The combination, with a slotted standard and fastening device, of the plate adapted to give bearing to the plow or plowshare, said plate being made with a stop-piece on its rear side, which fits in the space formed by the slot of the standard, and secures the plate against lateral displacement thereon, substantially as set forth.

3. The combination, with the slotted standard and fastening device, of a plate adapted to give bearing to the plow or plowshare, said plate being made with the right-angular shoulders on its front upper side and the lateral stop-piece on its rear body, substantially as set forth.

4. The combination, with a slotted standard and plate having the two longitudinal grooves in which the respective branches of the standard are seated, of the bolt and nut which clamp said plate to the rear side of the standard, substantially as set forth.

5. The combination, with the slotted standard and fastening device, of the grooved plate clamped to the rear side of the standard and the independent plate clamped to the front side of the standard, said latter plate being adapted to give bearing to the plow or plowshare, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of April, 1878.

JOHN MOTT BASSETT.

Witnesses:

E. R. HODGSON,

J. W. HAMPSHIRE.