

(No Model.)

T. PATES.
PLANTING PLOW.

No. 249,082.

Patented Nov. 1, 1881.

Fig. 1

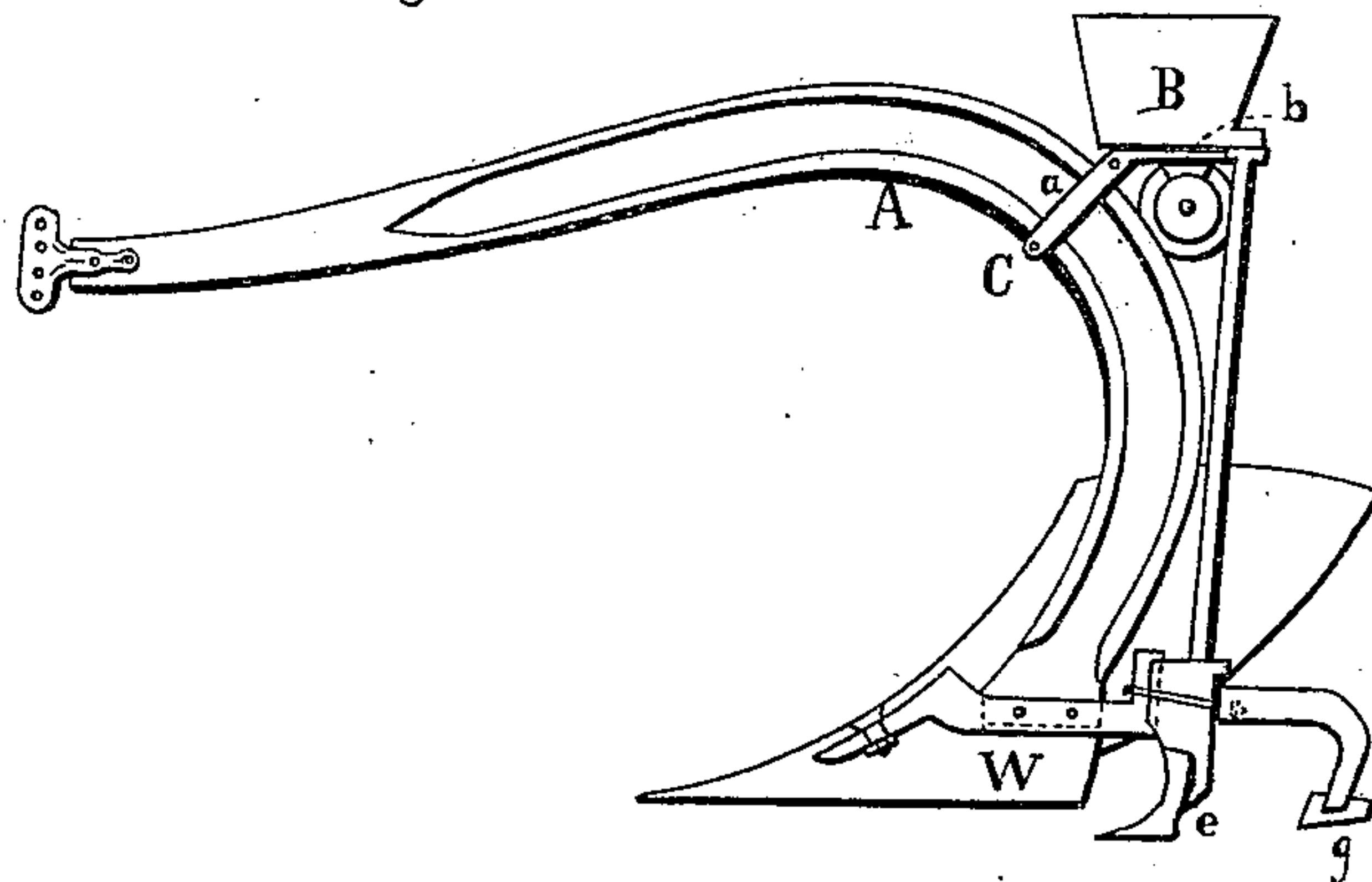
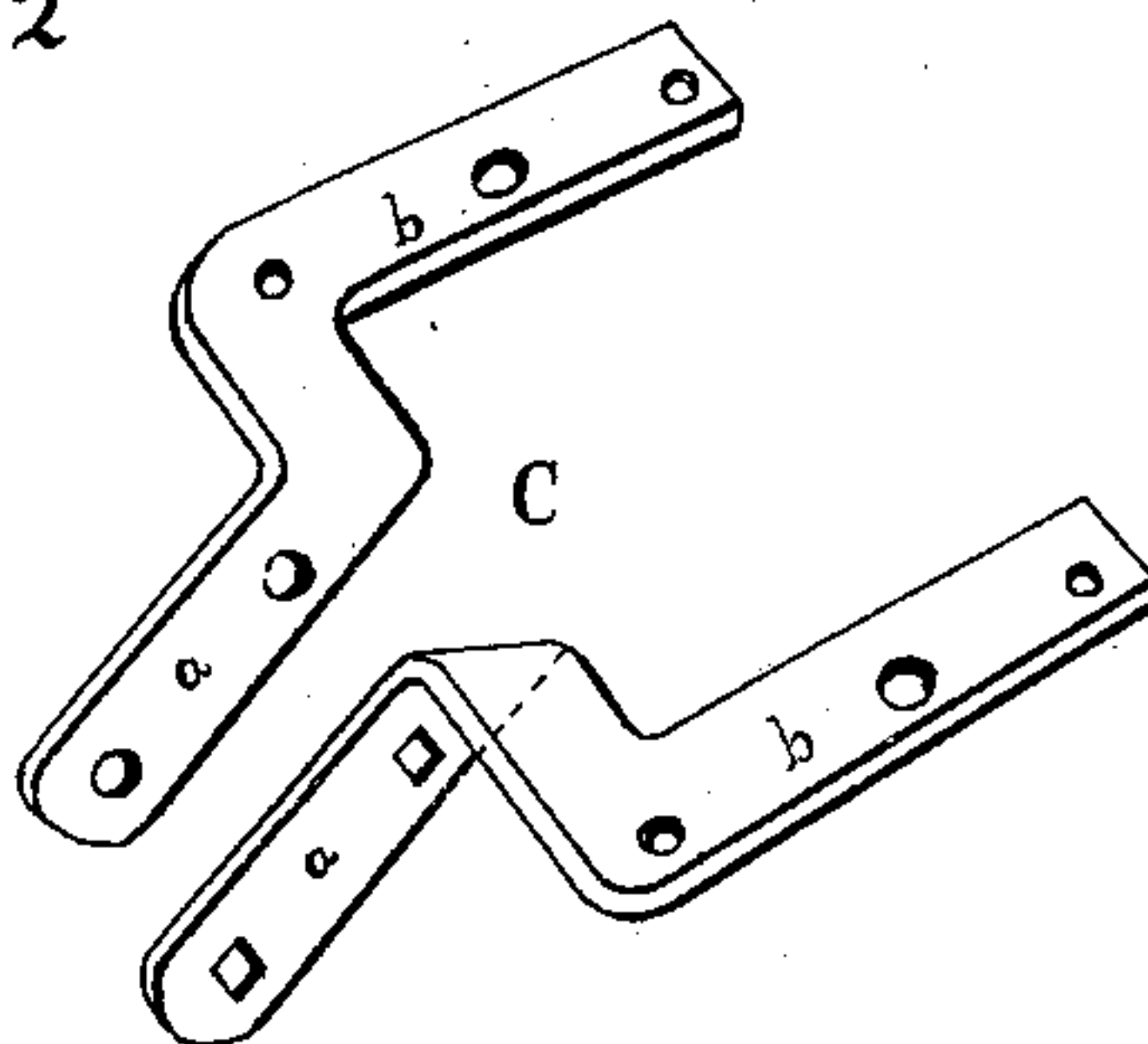


Fig. 2



Witnesses:

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Inventor:

Thomas. Pates.

by John Lane.

att'y.

UNITED STATES PATENT OFFICE.

THOMAS PATES, OF ALTON, ILLINOIS, ASSIGNOR TO THE HAPGOOD PLOW COMPANY, OF SAME PLACE.

PLANTING-PLOW.

SPECIFICATION forming part of Letters Patent No. 249,082, dated November 1, 1881.

Application filed July 5, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS PATES, of the city of Alton, in the county of Madison and State of Illinois, have invented a new and useful Improvement in Planting-Plows, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to improvements in planting-plows; and the object is to attach the dropper-box rigid on the bent plow-beam in the construction of a light planting-plow suitable for use in sulky-plows.

My invention consists in the combination, with a bent plow-beam supporting and carrying the dropper-box and its dropping mechanism, of a bracket consisting of a clasp adjustably attached to the beam and extending rearward, forming a seat on which the dropping-box is attached, substantially as herein after shown.

In the drawings my improvement is shown in connection with a listing planting-plow, such as I use in sulky planting-plows.

Figure 1 is a vertical-section view of a planting-plow having my improvements in the construction. Fig. 2 is a view in perspective, enlarged, showing my improvements, the bracket C, which clasps the beam A, and provides a shelf on which the dropper-box B is seated.

Like letters refer to like parts.

C is my improved bracket, consisting of two bars of iron bent in the form shown in the drawings. One end of the bars embraces the sides of the plow-beam A, with two bolts passing through them, one below the beam, the other above, as shown in the drawings, forming the clasp *a*, and close above the bolt which is above the beam the bars are bent first outward and then at right angle rearward and horizontally, as shown, forming the seat *b*, on which the dropper-box B is seated and secured

to the beam. The dropper-box B contains the usual mechanism for seed-dropping, including a rotating disk carrying the seed outside of the box, where it is dropped through a pipe to the ground.

My invention, although simple, is of utility in affording a light, strong, and inexpensive mode of attaching the box to the beam.

In operation the ends of the bars forming the clasp *a* are placed embracing the sides of the beam A, and bolts passing through them below and above the beam, as shown in Fig. 1, and the ends of the bars forming the seat *d*, extending horizontally rearward, on which the dropper-box B, carrying the usual seed-dropping mechanism, is secured with bolts or screws. The clasp *a* is adjustable on the beam A, whereby the dropper-box B may be moved up or down, as will be readily understood by inspecting the drawings.

I do not herein claim the plow W, the drill-tooth *e*, the covering-shovels *g*, and their arrangements in a planting-plow, and they will be readily understood by reference to drawings, and need not be herein described.

I do not herein claim, broadly, bars attached to the beam and extending rearwardly, as such have been used in planting-plows in connecting covering blades and rollers.

I claim—

In a planting-plow, the combination, with a bent plow-beam supporting and carrying the dropper-box and its usual dropping mechanism, of the bracket C, consisting of the clasp *a*, adjustably attached to the beam A, and of the rearward extension-seat *b*, on which the dropping-box B is attached, as specified.

THOMAS PATES.

Witnesses:

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