

(Model.)

E. D. & O. B. REYNOLDS.

ROLLING CUTTER FOR PLOWS.

No. 246,557.

Patented Aug. 30, 1881.

Fig. 1.

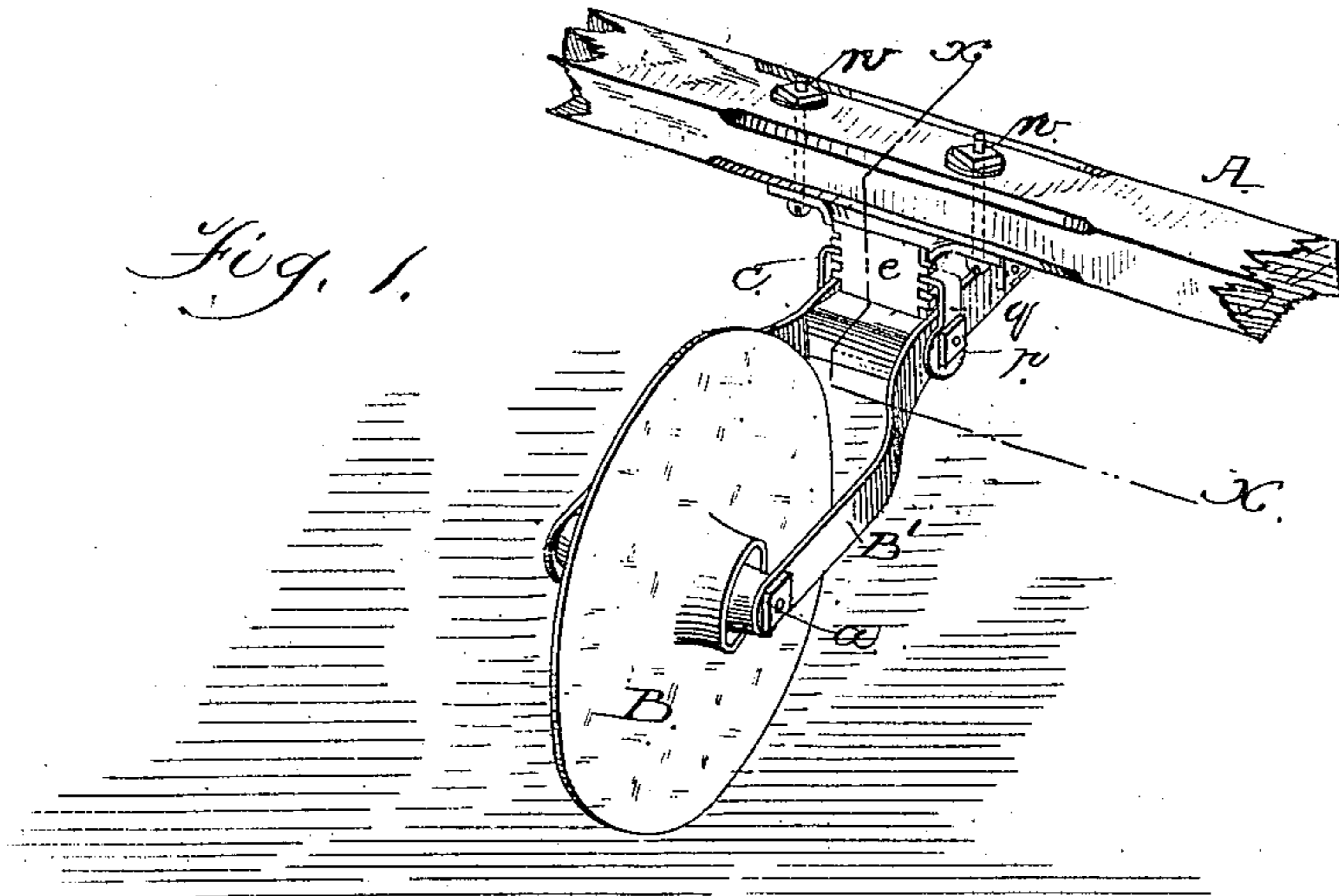


Fig. 2.

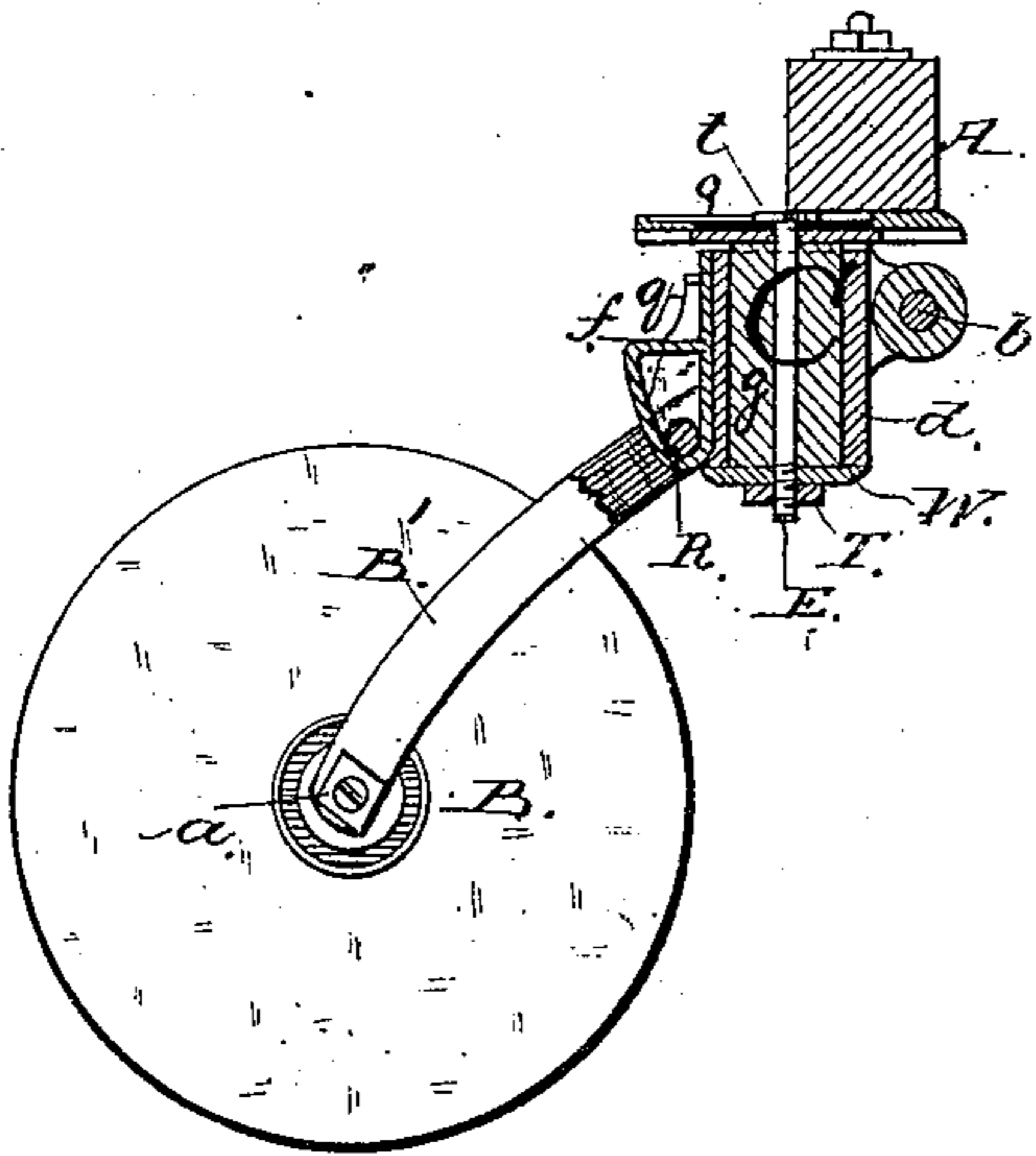


Fig. 3.

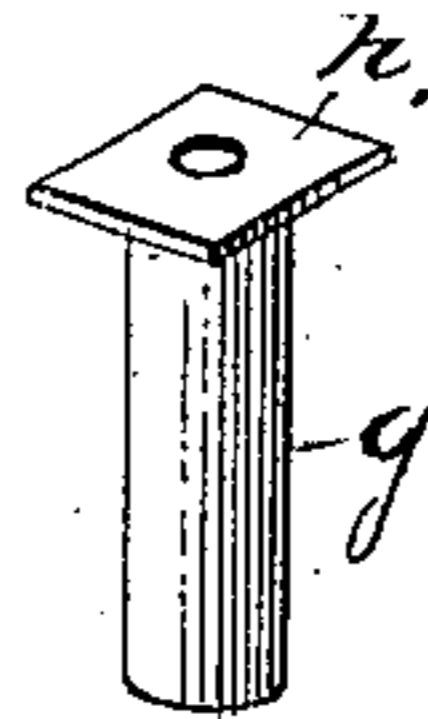
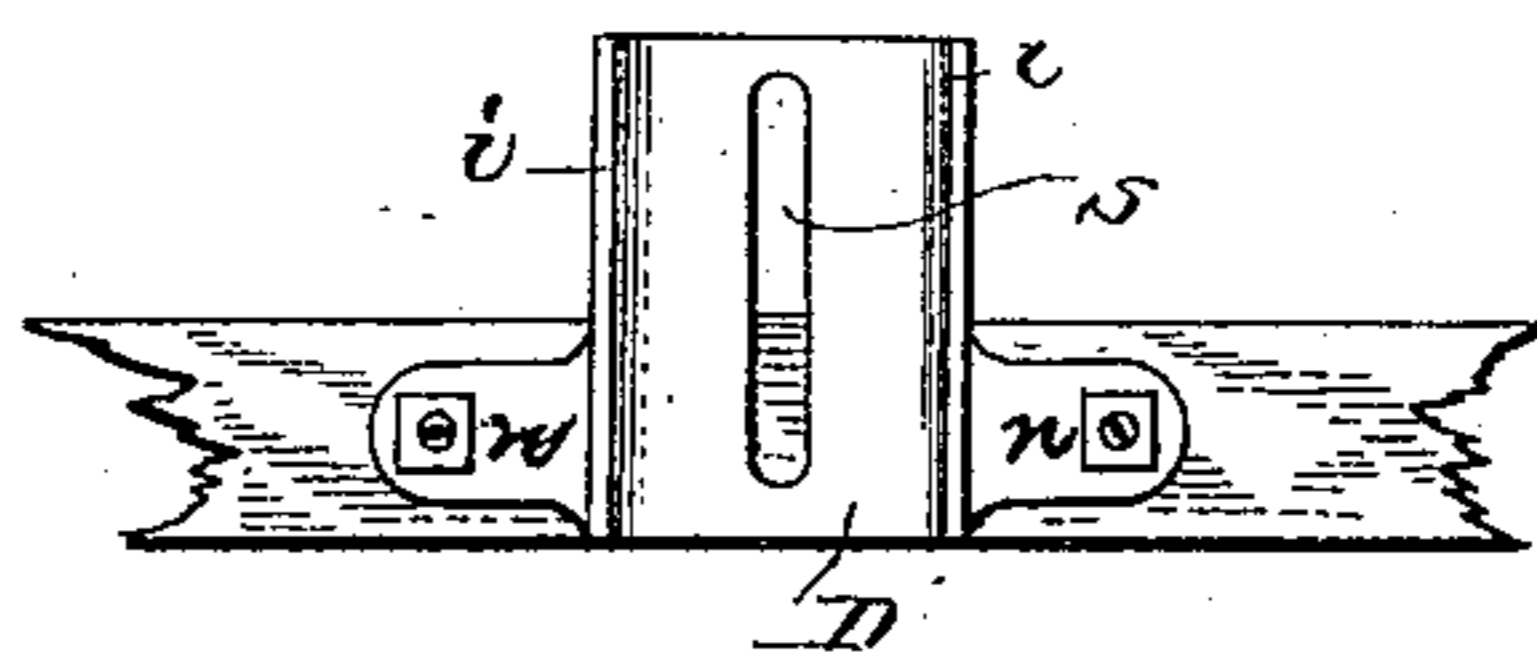


Fig. 4.



Witnesses;
J. Walter Fowler,
R. K. Evans

Inventor;
E. D. & O. B. Reynolds
by *A. H. Evans & Co*
Atty's

UNITED STATES PATENT OFFICE.

EDMUND D. REYNOLDS AND OLIVER B. REYNOLDS, OF BROCKTON, MASS.

ROLLING CUTTER FOR PLOWS.

SPECIFICATION forming part of Letters Patent No. 246,557, dated August 30, 1881.

Application filed June 10, 1881. (Model.)

To all whom it may concern:

Be it known that we, EDMUND D. REYNOLDS and OLIVER B. REYNOLDS, of Brockton, in the county of Plymouth and State of Massachusetts, have invented certain Improvements in Rolling Cutters for Plows and other Agricultural Implements; and we hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of our improved device with the cutter turned at right angles to the beam. Fig. 2 is a view, partially in elevation and partially in vertical section, on line *xx* of Fig. 1. Figs. 3 and 4 are details to be referred to.

Our invention relates to rolling cutters for agricultural implements, and has for its object to provide a rolling caster cutter which can be easily adjusted both laterally and horizontally.

Our invention consists in certain details of construction and combinations of devices, as hereinafter fully described and specifically claimed.

In order that those skilled in the art may make and use our invention, we will proceed to describe the manner in which we have carried it out.

In the said drawings, A is the beam, and B the rolling cutter, which is journaled at *a* in a frame, B', the upper end of which is pivoted at *b* to a peculiarly-constructed adjustable hub, C. This hub is composed of a cylinder, *d*, to the front of which is secured a plate, *e*, having notches in its edges and a transverse slotted box, *f*, at the base of said plate, for a purpose hereinafter described. The cylinder *d* fits closely around a hollow spindle, *g*, to the upper end of which is attached a flat plate, *h*, giving a broad bearing-surface, fitted and moving between two ribs, *i i*, on the lower face of adjusting-plate D, secured to the under side of

the beam A by bolts and nuts *nn*. The plate D has on the edges of its upper face two ribs, *o o*, corresponding to ribs *i i*, which hold said upper face away from the beam, so that the head *t* and bolt E can traverse the adjusting-slot *s* to adjust the cutter laterally. The hub-cylinder *d* is secured by means of the washer W, of a diameter equal to the hub, and the nut T. The frame B' has a radial adjustment around the pivot *b*, to adjust the cutter vertically by the following means: A bolt, R, provided with a nut, *p*, passes through both sides of frame B' and through the slot in box *f*, and bears at each end against the outside faces of the frame-bars a vertical hook-plate, *q*, the upper bent ends of which are adapted to enter the notches in the edge of the plate *e*. The angle at which the frame B' stands is determined by the height of the notches with which the hook-plates *q* engage. After the plates *q* are set in the desired notches the nut *p* is tightened, and the hook-plates *q* bind on the edges of plate *e* and hold the frame and cutter in the desired position.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is the following:

1. The rolling cutter B and frame B', having the hub C, in combination with the slotted adjusting-plate D, provided with ribs *i i* and *o o*, hollow spindle *g*, having plate *h* on its upper end, bolt E, washer W, and nut T, substantially as described.

2. The hub provided with the slotted box *f* and notched plate *e*, in combination with the pivoted frame B', bolt R, and hooked plates *q*, constructed as described, for the purpose set forth.

EDMUND D. REYNOLDS.
OLIVER B. REYNOLDS.

Witnesses:

J. J. WHIPPLE,
FERDINAND WHIPPLE.