

B. W. TUTTLE.
Improvement in Plows.

No. 126,655.

Patented May 14, 1872.

Fig. 1.

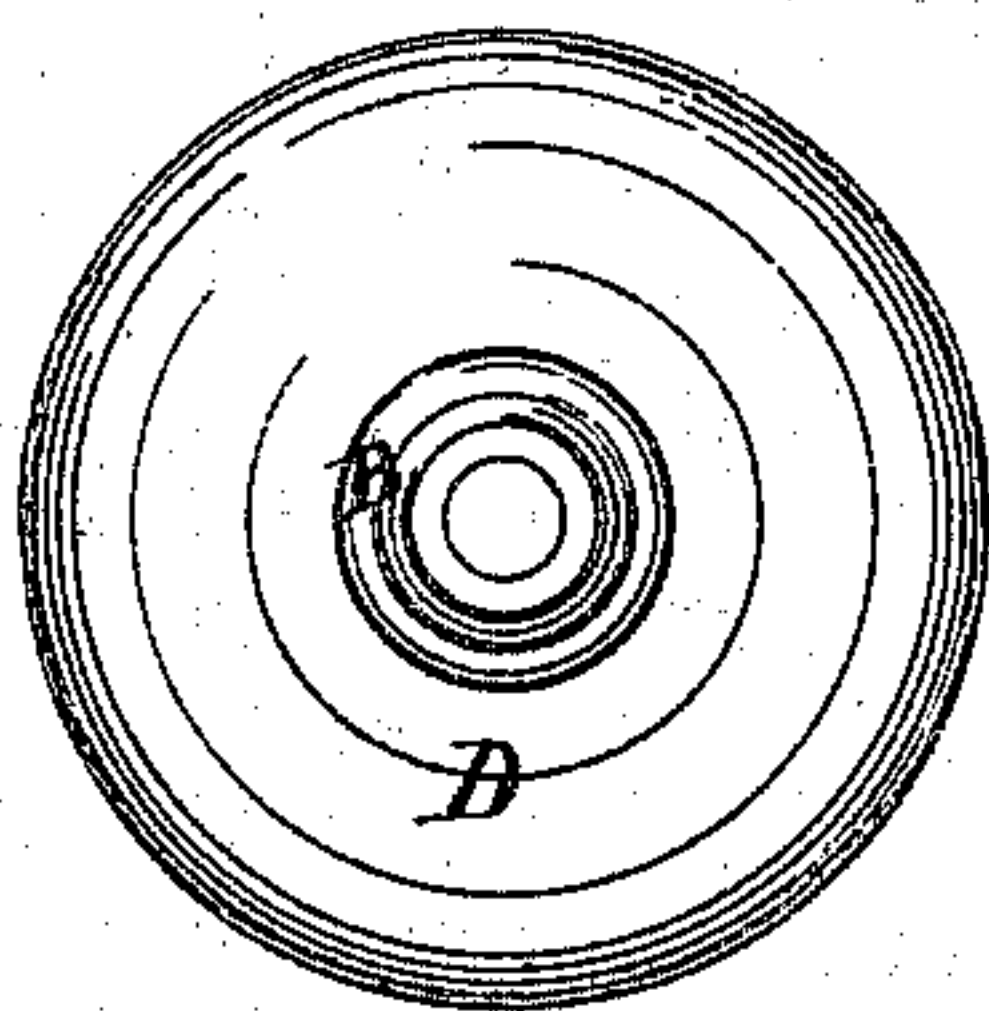
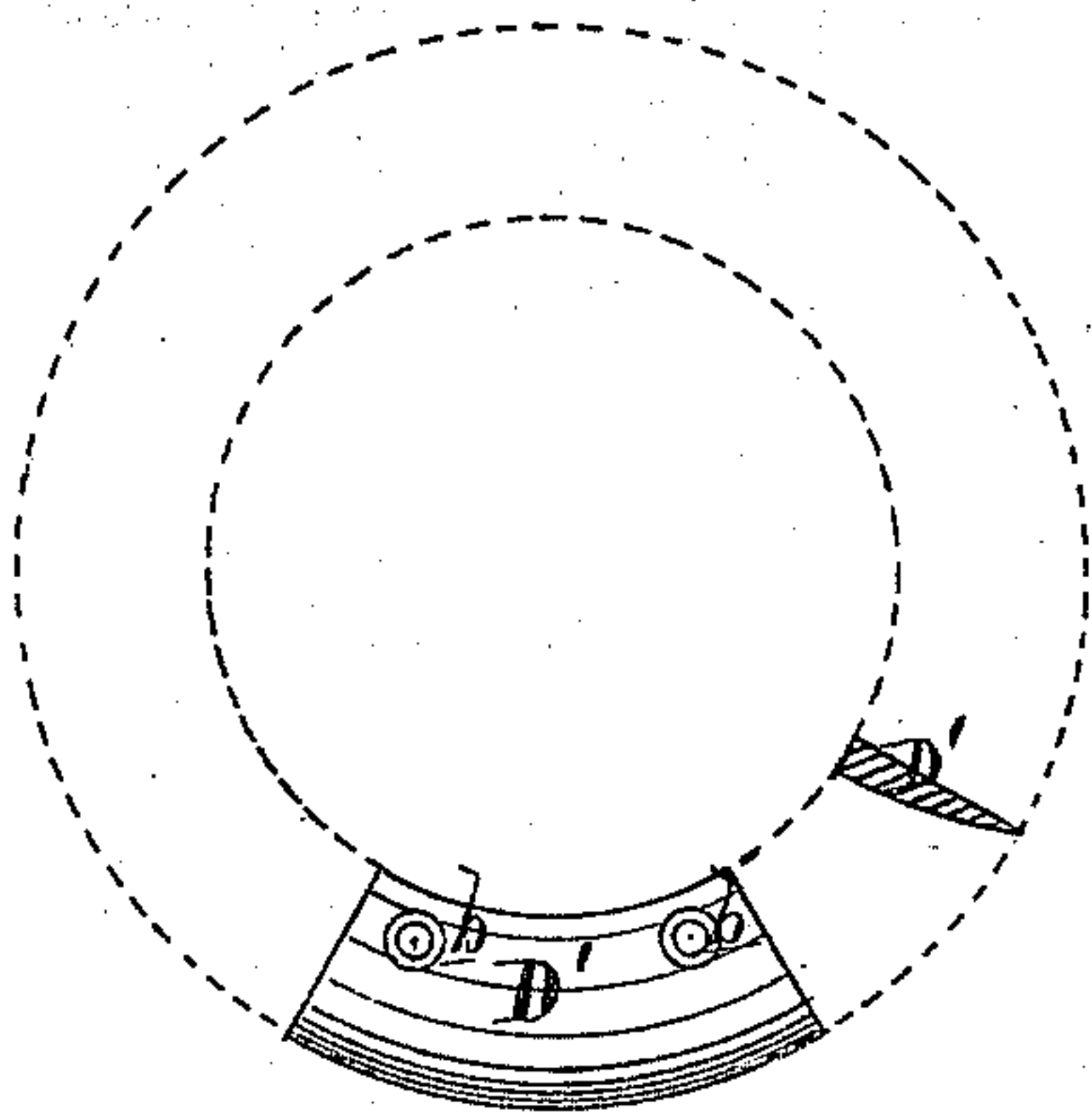


Fig. 2.



Witnesses:

H. F. Everts.
H. B. Rogers

Inventor:

Beverly H. Tuttle,
per Attorney,
Thos S. Sprague

UNITED STATES PATENT OFFICE.

BEERI W. TUTTLE, OF GALENA, ILLINOIS.

IMPROVEMENT IN PLOW-COLTERS.

Specification forming part of Letters Patent No. 126,655, dated May 14, 1872.

To whom it may concern:

Be it known that I, BEERI W. TUTTLE, of Galena, in the county of Jo Daviess and State of Illinois, have invented a new and useful Improvement in Plow-Colters; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is an elevation of my improved rotary cutter; and Fig. 2 shows, in elevation and cross-section, a modification of the same.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improved construction of rotary or wheel colters for plows; and it consists in the peculiar construction and conformation of the colter, which is plano-convex in section, with the convexity toward the land of the furrow, and constructed with plano-convex segments bolted to a flat disk, which segments may be easily and cheaply renewed when worn.

In the drawing, A represents the colter-wheel shaft, which may be journaled in any convenient manner to the plow-beam. This shaft is turned down to receive a hub, B, and

threaded, as at *a*, on which to screw a collar, C. Between the hub and collar the colter D is received, and secured on the shaft by screwing up the collar. The colter-wheel is so disposed on the shaft as to present its convex side to "land," and thus prevent the plow from running in, and greatly relieves the plowman in the labor of guiding the implement. As the colter-wheels rapidly wear out, from the excessive abrasion to which they are subjected by rolling in contact with the soil and cutting the sod, if molded or forged solid, and thus rendering renewals expensive, I make the wheel in the form of a thin disk, about the perimeter of which, on one face, I secure plano-convex segments D' with countersunk bolts, as shown at *b*, Fig. 2.

What I claim as my invention, and desire to secure by Letters Patent, is—

A colter-wheel, composed of a disk, D, having the plano-convex segments D' secured thereto by the countersunk bolts *b*, substantially as described.

BEERI W. TUTTLE.

Witnesses:

H. F. EBERTS,
W. S. ROGERS.