(No Model.)

E. BECKWITH.

GRASS MOWER.

No. 255,913. Patented Apr. 4, 1882.

Fig. 1.

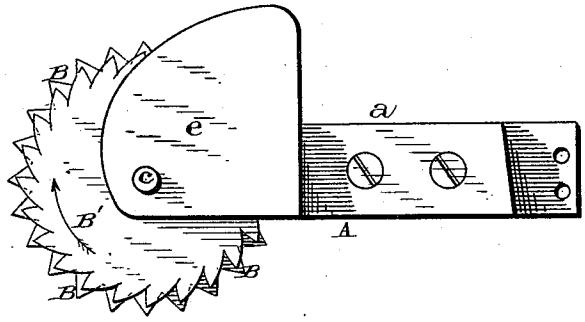


Fig. 2.

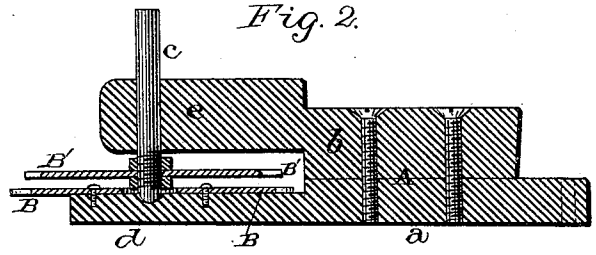
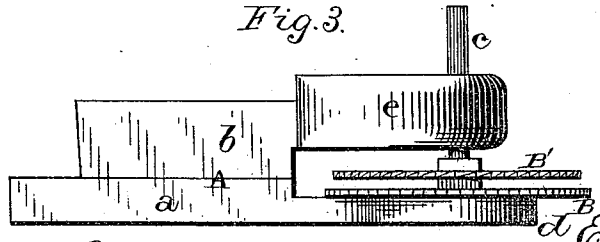


Fig. 3.



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UNITED STATES PATENT OFFICE.

EDWIN BECKWITH, OF BUTLER, PENNSYLVANIA.

GRASS-MOWER.

SPECIFICATION forming part of Letters Patent No. 255,913, dated April 4, 1882.

Application filed December 31, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDWIN BECKWITH, a citizen of the United States of America, residing at Butler, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Grass-Mowers; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in grass-mowers; and it consists in two circular horizontal cutting-blades whose faces nearly touch each other, the upper one rotating and the lower one stationary. Both blades are at their circumferences provided with cutting-teeth, and motion is imparted through any suitable cog and bevel gearing communicating with the driving-wheels of the carriage, as will be more fully described hereinafter.

The accompanying drawings represent my invention.

Figure 1 is a plan view; Fig. 2, a vertical longitudinal section, and Fig. 3 is an edge view.

A represents the carrier of the cutting-blades, consisting of a straight piece, *a*, that terminates at its outer end in a horizontal circular disk, *d*, the inner end being attached to the carriage. Under the piece *a* there is to be a pivoted wheel for support of the carrier, turning in all directions with the carriage. On top of the piece *a* is secured another shorter piece, *b*, whose outer end, *e*—a horizontal quadrant—has its curved side turned out and backward. The pieces *a* and *b* are recessed at their outer ends for the admission between them of two circular blades, B B′, placed horizontally, their faces nearly in contact. The under one, B, is rigidly secured on the disk *d*, whose circumference extends to the teeth on the blades. Both blades are armed with teeth formed to cut in one direction only, and the grass when cut is pushed away from the cutter by the rounded end *e* of the piece *b*. Through the center of both blades passes a spindle, *c*, that is journaled in or passed down through the disk *d*, and passes out through the corner of the quadrant *e*, where, by a bevel-wheel and other suitable gearing, it is connected with the carriage driving wheels, which are not here shown, as they form no part of this invention. The upper blade, B′, is fastened to the spindle and revolves in close proximity to the under one, cutting the grass and flinging it backward.

Having thus described my invention, I claim—

In a grass-mower, the carrier A, composed of the two pieces *a b*, the part *a* having its front end formed into a circular disk, *d*, which forms a support for the non-rotating blade B, and the part *b*, having the quadrant *e* formed upon it, substantially as shown.

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

EDWIN BECKWITH.

Witnesses:

S. F. BOWSER,

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