

(No Model.)

W. T. DECKER.
MOWING MACHINE CUTTER.

No. 356,574.

Patented Jan. 25, 1887.

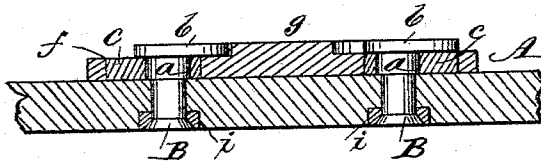
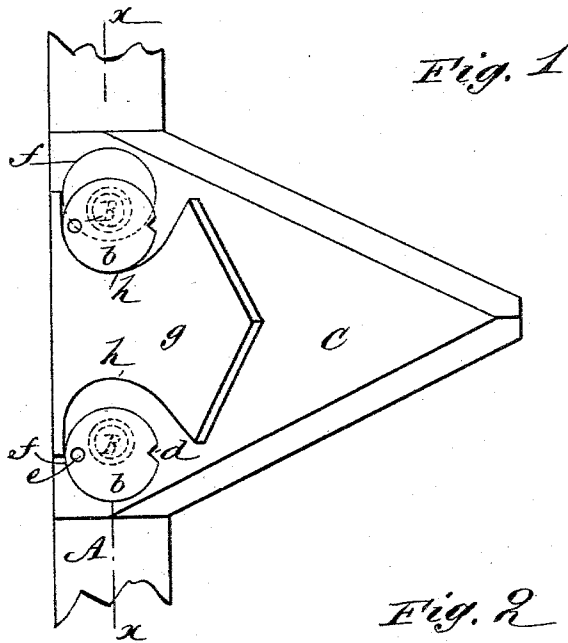
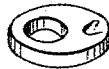
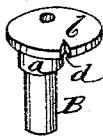


Fig. 3

Fig. 4

Fig. 5



WITNESSES:

C. Naveux
H. Binkerkhoff

INVENTOR:

W. T. Decker
BY Munn & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM T. DECKER, OF LEHIGH TANNERY, PENNSYLVANIA.

MOWING-MACHINE CUTTER.

SPECIFICATION forming part of Letters Patent No. 356,574, dated January 25, 1887.

Application filed July 22, 1886. Serial No. 208,722. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. DECKER, of Lehigh Tannery, in the county of Carbon and State of Pennsylvania, have invented a new and Improved Mowing-Machine Cutter, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a plan view of my improved mowing-machine cutter, showing devices for connecting it with the cutter-bar. Fig. 2 is a vertical longitudinal section taken on line *xx* in Fig. 1. Fig. 3 is a detail perspective view of one of the eccentric studs. Fig. 4 is a detail perspective view of one of the eccentric washers, and Fig. 5 is a detail perspective view of one of the countersunk washers *i*.

Similar letters of reference indicate corresponding parts in the different figures.

The object of my invention is to provide a simple and effective device for securing the cutter-sections of mowing-machines to the cutter-bars, so that they may be readily applied and removed for sharpening and repairs.

My invention consists in a cutter-bar provided with series of revoluble studs having eccentric edges, and series of eccentric washers placed on the studs, the studs being secured in holes in the cutter-bar at suitable distances apart for receiving the cutter-sections, and in the combination therewith of cutter-sections having apertures and shoulders for engagement by the fasteners, all as hereinafter more fully described.

The cutter-bar *A* is provided at suitable intervals with holes, in which are placed studs *B*, having shoulders *a*, which bear upon the upper surface of the bar. Each stud *B* is provided with a flat eccentric head, *b*. The holes in the cutter-bar in which the studs *B* are inserted are counterbored to receive the countersunk washers *i*, and the lower ends of the studs are riveted in the said washers. Upon each stud *B*, between the eccentric head *b* and the upper surface of the cutter-bar *A*, is placed an eccentric washer, *c*, which corresponds in size with the eccentric head *b* of the stud *B*. Each head *b* is provided in one edge with a

V-shaped notch, *d*, and is pierced near its opposite edge with a hole, *e*, the notch *d* and hole *e* serving to receive the wrench by which the stud *B* is turned.

The studs *B* are arranged in pairs at suitable distances apart for receiving the cutter-sections *C*. The cutter-sections *C* are stamped or swaged, and provided with apertures *f*, near opposite edges at the heel of the cutter, and between the apertures *f* there is an elevated portion, *g*, having in opposite edges concave recesses *h*, for receiving the eccentric heads *b* of the studs *B*. The cutter-sections *C* are placed in position on the cutter-bar *A*, when the eccentric heads *b* correspond in position with the eccentric washers *c*. The cutter is secured in the position of use by turning the studs *B* so as to cause the eccentric heads *b* to reach over the upper surface of the cutter and bear against the edges of the elevated portion *g*. Arranged in this way the cutter-section may be readily placed in position and firmly secured, and it may be easily released from the cutter-bar and removed.

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

1. The combination, with the cutter bar *A*, of series of studs *B*, provided with eccentric heads *b*, series of eccentric washers *c*, placed on the studs *B*, between the eccentric heads *b* and the cutter-bar *A*, and cutter-sections *C*, having apertures *f*, adapted to receive the eccentric heads *b* and washers *c*, substantially as shown and described.

2. The combination of the bar *A*, the studs *B*, provided with shoulders *a* and eccentric heads *b*, the eccentric washers *c*, placed on the studs *B*, between the eccentric heads *b* and cutter-bar *A*, and cutter-sections *C*, provided with apertures *f*, and the elevated portion *g*, having concave edges *h*, substantially as shown and described.

WILLIAM T. DECKER.

Witnesses:

A. P. CARTER,
W. F. STREETER.