(No Model.)

A. WHITE.

MOWER ATTACHMENT.

No. 365,558. Patented June 28, 1887.

Fig: 1.

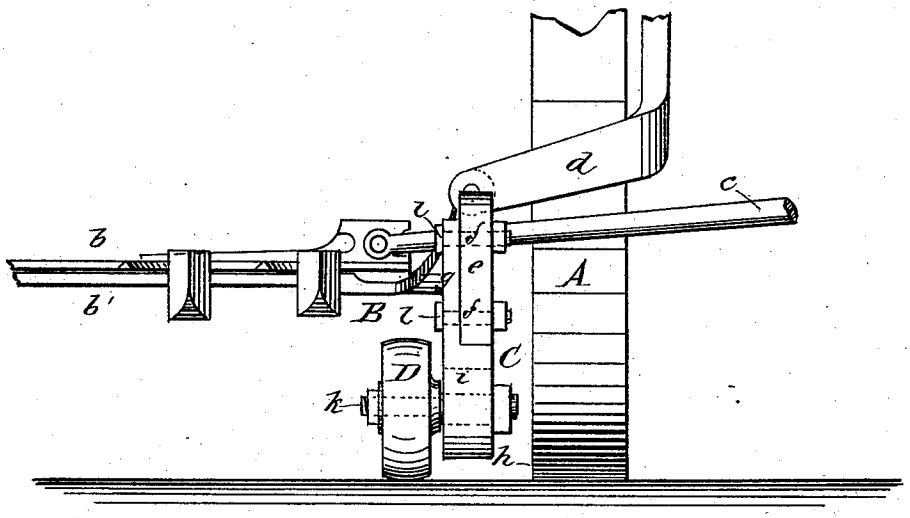


Fig: 2.

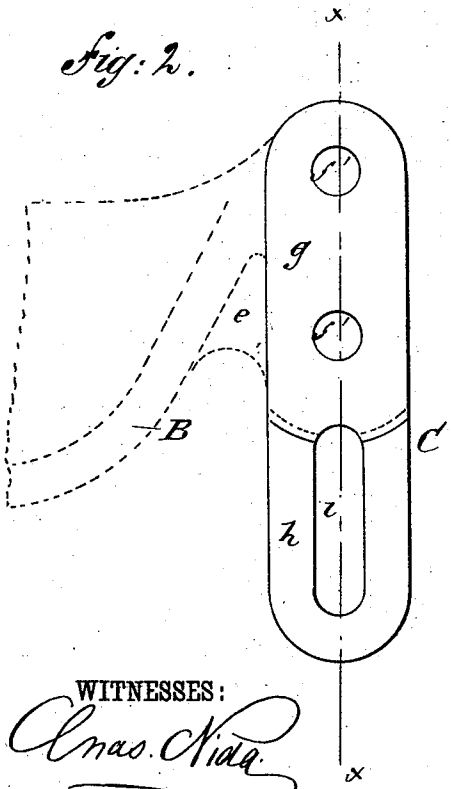
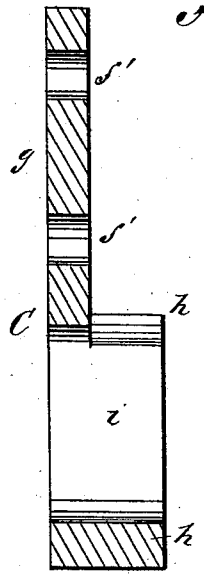


Fig: 3.



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UNITED STATES PATENT OFFICE.

ALEXANDER WHITE, OF KERBYVILLE, OREGON.

MOWER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 365,558, dated June 28, 1887.

Application filed June 2, 1886. Serial No. 203,905. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER WHITE, of Kerbyville, in the county of Josephine and State of Oregon, have invented a new and Improved Mower Attachment, of which the following is a full, clear, and exact description.

This invention relates to that class of mowing-machines, such as the Wood and Rosebrooks machine, patented July 27, 1880, No. 230,598, and others, which have an inner shoe—that is, the shoe at the inner or heel end of the sickle-bar—provided with a piece or projection in front having one or more upright slots or series of perforations one above the other in it, either of which serves to form an axle bearing or support for a leading wheel or roller that in running upon the ground sustains the inner shoe at its front end, and so keeps the sickle-bar at the required distance from the ground, an outer device of different construction, and provided with an adjusting slide or spring, also being used to support the outer shoe. Such means, however, of adjusting the height of the cutter from the ground, while answering for general use, is often insufficient when running the machine over rough, gravelly, or stony ground, or when running the machine over ground which, owing to its softness from recent plowing, causes the driving or main wheels to sink very deep in the ground.

My invention has for its object the giving of such machines, including those already in use, a more extended adjustment of the cutter-bar from the ground without adding to the weight or cumbersomeness of parts when such extra adjustment is not needed; and the invention consists in a simple and readily applied or removable attachment to the front end of the inner shoe for carrying the axle of the leading wheel or roller at a greater height from the ground than is usually necessary or provided for under the ordinary range of adjustment.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a front view in part of so much of a mowing-machine of the description hereinbefore referred to as is necessary to illustrate my invention, which is shown applied thereto; Fig. 2, an enlarged view of the attachment in position on the front end of the inner shoe, the shoe being shown in dotted lines; and Fig. 3, a sectional view of the attachment upon the line *x x* on Fig. 2.

A indicates one of the side or main wheels of the machine, and *b b'* the sickle and finger bars; *c*, the rod by which the cutter is reciprocated, and *d* the swinging bar by which the cutting mechanism is suspended from the main axle of the machine, all as in other machines in ordinary use.

B is the inner shoe at the heel end of the sickle bar. This shoe is of the usual construction in machines of the description I have hereinbefore referred to, the same being provided at its front end with an arm or piece, *e*, having apertures *f f* in it, arranged one above the other, and which ordinarily serve to carry or provide for the attachment of the axle of the leading wheel or roller, which, running upon the ground, supports said shoe to keep the cutter-bar at a given height, said axle usually being inserted in either one of the apertures *f f*, according to the variation in height it is required to adjust the leading-wheel under ordinary circumstances.

To give a more extended adjustment, however, under special conditions of the land, I remove the leading-wheel and its axle from the arm or piece *e* of the inner shoe, B, and use my improved attachment C as a support for said wheel or its axle. This attachment C consists of an independent arm or downward extension-piece adapted to be applied to the arm or piece *e* on the front end of the shoe. To this end the attachment is constructed with an upper flat-sided portion, *g*, of limited thickness, having apertures *f' f'* in it, corresponding to the apertures *f f* in the arm *e* of the shoe, and having a thicker lower portion, *h*, provided with a downwardly-running oblong slot, *i*, laterally through it; or two or more holes arranged one above the other would be the equivalent of this slot, which serves to receive through it and to provide for the adjustment up or down of the axle *k* of the leading-wheel D to vary the height of the inner shoe and of the cutter-bar from the ground.

The attachment C is secured to the outer side of the arm *e* of the shoe B by flat-headed bolts *l*, arranged to pass through the apertures *f f'*

in the arm *e* of the shoe and portion *g* of the attachment, the slot *i* in which lies below the arm *e* of the shoe, while the thicker portion *h* of the attachment projects under the arm *e* of the shoe and forms a shoulder or bearing for the shoe to rest in and relieve or take strain from the bolts *l*. Said thickened portion *h*, too, forms a broad or extended support for the axle *k* of the leading-wheel D.

When the attachment is applied, it provides, by adjusting the axle *k* of the leading-wheel within or up the slot *i*, for raising the cutter-bar to an increased variable elevation sufficient to work over exceedingly rough, stony, or soft ground, which it would be difficult or impossible to work without it. When not required, this attachment C may readily be detached. The spring or slide applied to the outer shoe should be suitably proportioned or lengthened to admit of the use of the attachment on the inside shoe, to which alone my invention relates.

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

1. The within-described detachable attachment C for the inner shoe of mowing-machines, the same consisting of a bar or arm constructed with an upper portion, *g*, having apertures *f' f'* through it, and a lower thickened portion, *h*, adapted to form a shoulder for the shoe to rest upon, and provided with a slot, *i*, adapted to admit of the up-and-down adjustment of the axle which carries the leading wheel or roller of the shoe, substantially as specified.

2. In mowing-machines, the combination, with the inner shoe, B, having a perforated arm, *e*, at its forward end, of the detachable arm C, having an upper perforated portion, *g*, of reduced thickness, and a lower thickened or shoulder portion, *h*, provided with a slot, *i*, and the bolts *l l*, essentially as and for the purposes herein described.

ALEXANDER WHITE.

Witnesses:
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A. BRAUN.