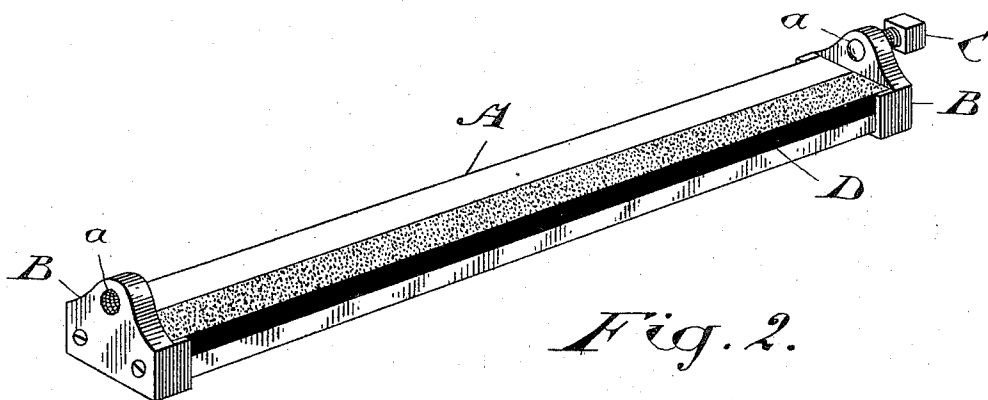
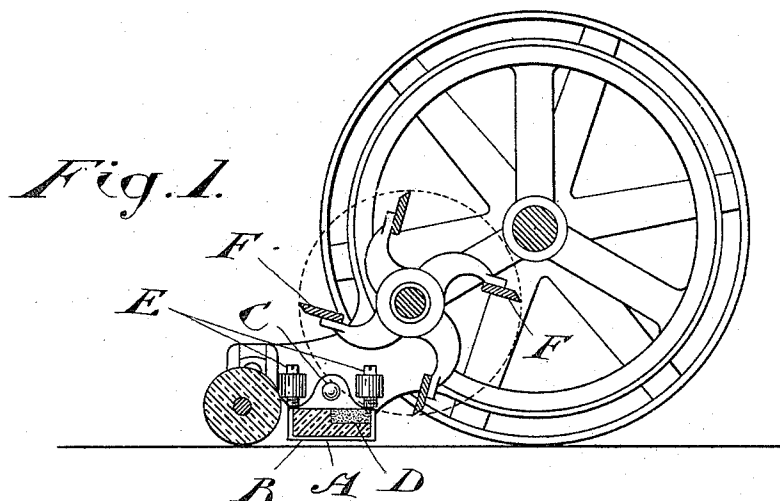


(No Model.)

L. H. SLAGHT.
SHARPENER FOR LAWN MOWERS.

No. 579,500.

Patented Mar. 23, 1897.



Witnesses

Fred Clarke
G. M. Neff

Inventor

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UNITED STATES PATENT OFFICE.

LEWIS H. SLAGHT, OF WATERFORD, CANADA, ASSIGNOR TO ROXA SLAGHT,
OF SAME PLACE.

SHARPENER FOR LAWN-MOWERS.

SPECIFICATION forming part of Letters Patent No. 579,500, dated March 23, 1897.

Application filed September 28, 1896. Serial No. 607,142. (No model.)

To all whom it may concern:

Be it known that I, LEWIS H. SLAGHT, accountant, of the village of Waterford, in the county of Norfolk and Province of Ontario, Canada, have invented a certain new and Improved Sharpener for Lawn-Mowers, of which the following is a full, clear, and exact description.

The object of my invention is to devise a cheap, simple, and efficient sharpener for lawn-mower knives; and it consists, essentially, of a bar carrying a suitable sharpening material and adapted to be connected to the mower in place of the shear-plate or lower knife, so that by means of the usual adjustments of the latter the sharpener may be set to touch the knife-blades, which, in the process of sharpening, are revolved backward, the whole being constructed in detail substantially as hereinafter more specifically described, and then definitely claimed.

Figure 1 is a cross-section of a mower, showing my improved sharpener in position. Fig. 2 is an enlarged perspective detail of the sharpener.

In the drawings like letters of reference indicate corresponding parts in both figures.

A is a bar, preferably of wood and having metal caps B connected to its ends in any suitable manner. The caps B extend above the bar and are provided with screw-threaded holes *a*, as shown, intended to receive the pivot-screws C, which are ordinarily used to connect the shear-plate or lower knife to the machine.

D is a bar, of emery or other suitable sharpening composition, which is let into the upper front corner of the bar A, as shown, and is held in position by any suitable cement or glue. When the sharpener is to be used, the shear-plate or lower knife is removed and the pivot-screws C, which ordinarily hold the shear-plate, are screwed into the caps B of the bar A, as indicated in Fig. 1.

E are the adjusting set-screws for the shear-plate, which, when the sharpener is in position, bear against the caps B, so that by adjusting the screws the emery on the sharpener may be properly adjusted to touch the edges

of the knives F of the mower. By revolving the knives backward an excellent edge will be rapidly put upon them.

Although I describe the bar A as being made of wood, an all-metal bar might be used; nor is the rectangular shape essential, as many other forms might be given to the sharpener which would answer the purpose of my invention equally as well.

As the mode of attachment of the shear-plate differs somewhat in detail in different machines, various slight changes will be made in adapting the sharpener to suit the different mowers on the market, but in all cases the principle of the invention will remain the same.

By attaching a sharpener in the place of the shear-plate and by the same means the sharpening edge may be made to assume the desired position, and the work of sharpening quickly, thoroughly, and efficiently accomplished.

What I claim as my invention is—

1. A lawn-mower, having rotating knives, and adapted to receive a stationary shear-plate or lower knife to coact with said rotating knives, and means for adjusting the shear-plate, in combination with a bar carrying a suitable sharpening material, said bar being constructed and arranged to occupy the position usually held by said stationary shear-plate and be adjusted by the same means, substantially as and for the purpose specified.

2. A lawn-mower, having rotating knives, and adapted to receive a stationary shear-plate or lower knife to coact with said rotating knives, and pivots and adjusting-screws for said shear-plate, in combination with a wooden bar carrying a suitable sharpening material and arranged to occupy the position usually held by said shear-plate or lower knife, said bar having metal ends arranged to receive said pivots and coact with said adjusting-screws, substantially as and for the purpose specified.

Waterford, September 5, 1896.

LEWIS H. SLAGHT.

In presence of—

A. M. TOBIN,
JAMES ROSS.