(No Model.)

E. I. PEASLEE.

CUTTER BAR FOR MOWING MACHINES.

No. 525,114. Patented Aug. 28, 1894.

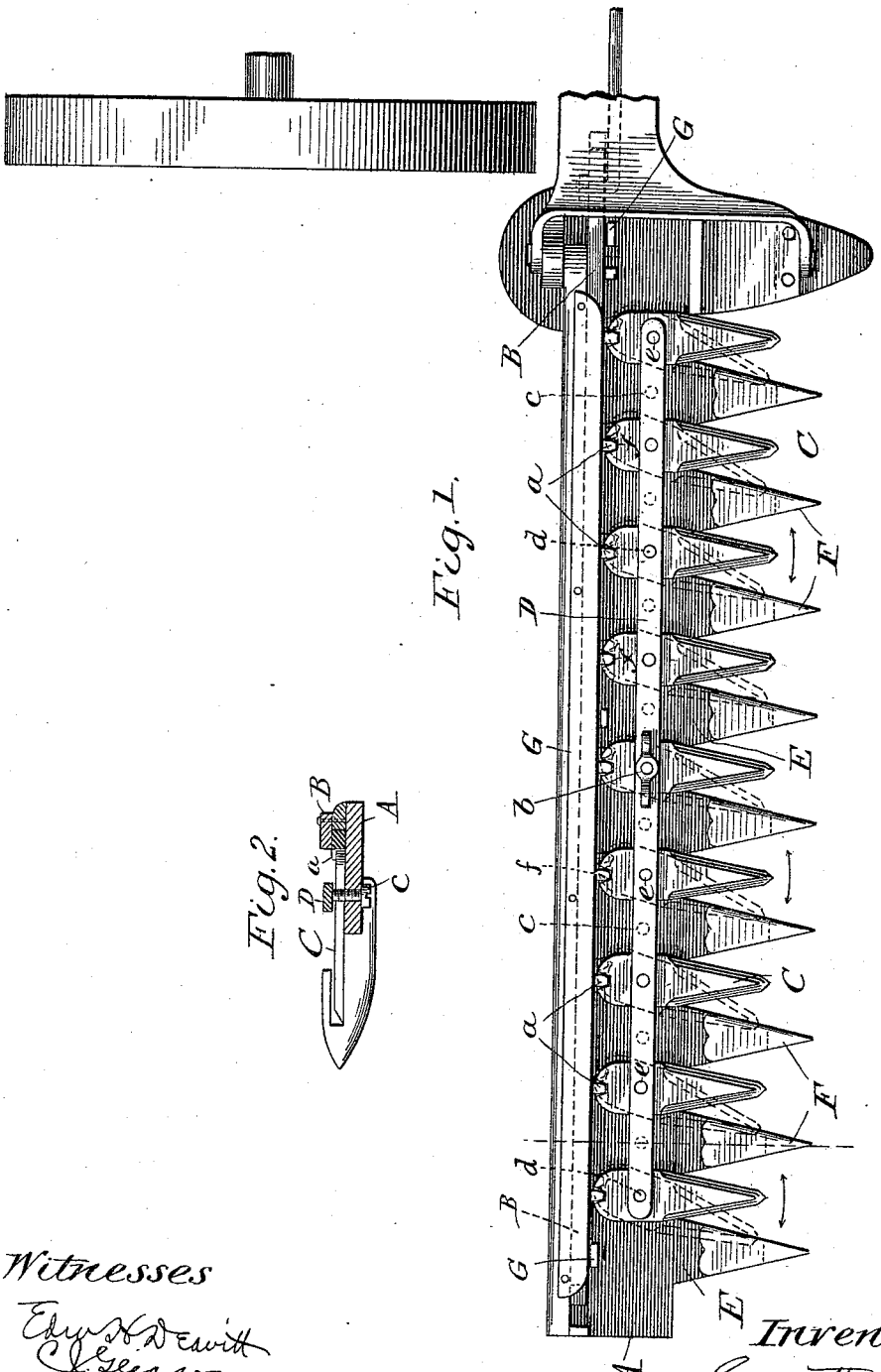

Fig. 1.

Fig. 2.

Witnesses
Edw. S. Dewitt
J. Gleason

Inventor.
Emmett I. Peaslee,
By E. J. Dewitt, his Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EMMETT I. PEASLEE, OF ORANGE, VERMONT.

CUTTER-BAR FOR MOWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 525,114, dated August 28, 1894.

Application filed April 10, 1894. Serial No. 507,075. (No model.)

To all whom it may concern:

Be it known that I, EMMETT I. PEASLEE, a citizen of the United States, residing at Orange, in the county of Orange and State of Vermont, have invented certain new and useful Improvements in Cutter-Bars for Mowing-Machines, of which the following is a specification.

My invention relates to improvements in attaching the cutting knives to the cutter bar and the manner of operating them.

The object of my invention is to construct a machine that can be operated with less power than is now required by the machines in general use. That a single knife or cutter can be readily removed when to be repaired or sharpened without removing the entire cutter or scythe.

The accompanying drawings are referred to and made part of this specification.

Figure 1. shows my invention attached to the machine and Fig. 2 shows a cross section through the cutter.

In the drawings, A is the plate of the cutter bar; B, the sliding bar; C, knives; D, a bar that holds the knives; E and F, guards; G G, projections forming a groove or sluice for sliding bar B. to pass to and fro.

a a are projections or cogs on sliding bar; *b*, thumb screw; *c c*, set screws; *d d*, posts; *e e e* are holes in bar D; *f f f*, a slot in knives.

The knives C. are attached to bar D by posts *d* passing through the knives as shown, on which the knives are swung back and forth by sliding bar B. which is attached to and operated by the pitman rod. Bar D. holds the knives onto posts *d. d.* and set screws *c c* can be adjusted in plate A. to allow the proper play of the knives on posts *d. d.* Bar D is held down upon the knives by the thumb screw *b*.

To remove a knife for grinding or for any other purpose it is only necessary to remove bar D. and lift the knife off of post *d*. This I claim to be of great advantage when a knife is broken as only one knife need be removed and a new knife inserted. To operate the knives when mowing grass requires much less power by the manner shown than by the old method and a better shear cut is obtained which is a recognized advantage in mowing machines.

The operation of my invention is as follows: The sliding bar B., attached to the pitman rod moves back and forth in the sluice G. G. Projecting from bar B are cogs *a. a.* matching into slots *f. f.* in the ends of the knives causing the knives to swing on posts *d d.* the sharp end of the knife swings back and forth in the slots of guards F.

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

In a mowing machine, the combination of the portable knives C operated by the bar B and pivotally attached thereto, with the bar D adapted to hold said knives in position by the use of a thumbscrew, and adjustable to allow the proper play of the knives by set screws *c c*, substantially as set forth.

EMMETT I. PEASLEE.

Witnesses:
W. A. PEASLEE,
T. J. DEAVITT.