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F. BLOCKI.

LIFTER GUARD FOR MOWING OR OTHER AGRICULTURAL MACHINES.

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NO MODEL.

Fig. 1

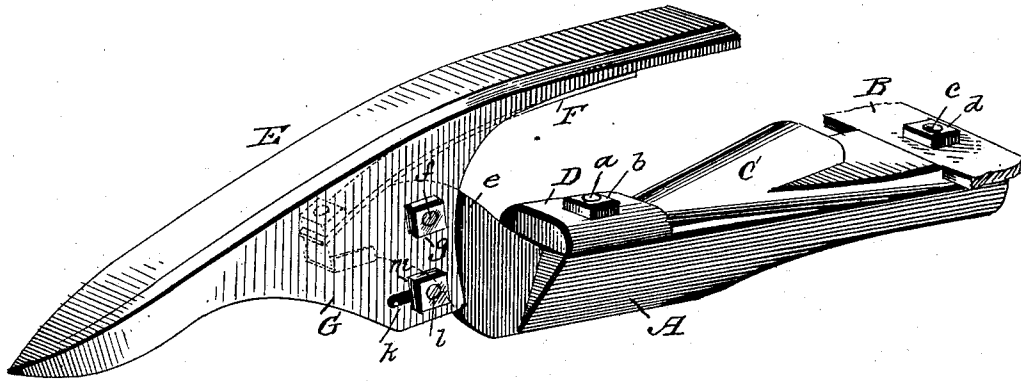
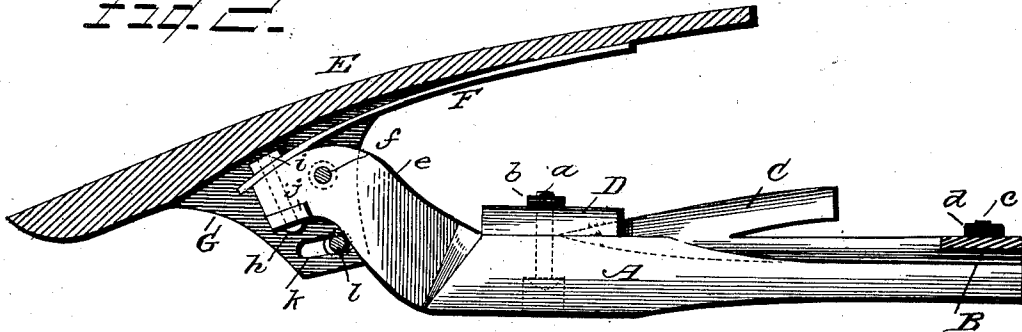


Fig. 2



Witnesses
Williamson
M. E. Moore

By

Franz Blocki.
Chas. W. Fowler.

Inventor

Attorney

UNITED STATES PATENT OFFICE.

FRANZ BLOCKI, OF SHEBOYGAN, WISCONSIN.

LIFTING-GUARD FOR MOWING OR OTHER AGRICULTURAL MACHINES.

SPECIFICATION forming part of Letters Patent No. 727,576, dated May 12, 1903.

Application filed January 17, 1903. Serial No. 139,427. (No model.)

To all whom it may concern:

Be it known that I, FRANZ BLOCKI, a citizen of the United States, residing at Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented certain new and useful Improvements in Lifting-Guards for Mowing or other Agricultural Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has relation to that class of devices or attachments to harvesters or mowers to be used in down grain and adapt itself to the unevenness of the ground; and the object thereof is to provide a simple and effective device of the above character that will possess strength and durability and be effective in its purpose.

The invention consists in an attachment to harvester - machines, constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of the attachment, showing it connected to the arm of a harvesting-machine; Fig. 2, a side elevation, partly in section.

In the accompanying drawings, A represents the projecting arm of a harvesting-machine, to which are connected the usual finger-bar B and knife-guard C, said guard being seated in the groove in the arm and held at its point by a grooved clamp D, with which the point of the guard engages. This clamp is secured to the projecting arm A by means of a bolt *a* and a nut *b*, engaging the screw-threaded end of the bolt, or other suitable means may be employed for holding the clamp in place, and the clamp may be of any preferred construction found best adapted to the purpose, the several parts herein described being subject to many changes and modifications as circumstances would require, a bolt *c* and nut *d* connecting the arm A and finger-bar together.

The arm A has a curved extension *e* at its outer end, to which is suitably pivoted the attachment comprising the lifter-guard E, which may be of any suitable construction and form, as found most desirable. In the present instance the lifter-guard E is pivot-

ally connected to the curved extension by a nut *f* and bolt *g*, or any other suitable means may be substituted for forming a pivotal connection of the lifter-guard with the curved extension of the arm. A suitable spring, either flat or other form, is suitably connected to the end of the curved extension *e*, said spring being indicated at F, and one of many means that may be employed comprises the bolt *h* and nuts *i j*, as shown in Fig. 2 of the drawings.

The lifter-guard E is cast or otherwise provided with double wings G, which embrace the curved extension *e* of the arm A, upon both sides thereof, thereby increasing the strength and durability of the lifter-guard and bracing it upon both sides of the curved extension of the arm, as well as forming a guide for the lifter-guard. The lower extremity of the wings G have elongated slots *k*, through which passes the bolt *l*, and engaging with the screw-threaded end of said bolt is a nut *m*. This is one of many means that may be employed for regulating the adjustment of the lifter-guard. The spring which renders the lifter-guard spring-actuated keeps the point of the lifter to the ground as adjusted, and when striking an obstruction the spring will allow the lifter-guard to yield thereto. The adjustment of the lifter-guard F through the medium of the bolt *l*, extending through the elongated slot *k*, and the nut upon the bolt provide means whereby the dip or the position of the point of the lifter-guard may be regulated if the point of the knife-guards are not in line. The bolt *l* normally rests against the lower part of the curved extension *e*, as shown in Fig. 2 of the drawings, thereby forming a stop to limit the downward swing or travel of the lifter-guard E.

The spring-actuated lifter-guard and the construction thereof, as well as the means for regulating the downward swing or travel of the lifter-guard, provides a finger-guard with relation to that of the knife-guard, provides a simple and effective device that may be conveniently attached to harvesters, mowers, or other agricultural machines where such an attachment would be required, such device or attachment possessing both strength and durability, and it being spring-actuated and

the position of the lifter-guard being capable of adjustment renders the guard effective in its action.

I claim—

- 5 1. A lifter-guard for mowing or other agricultural machines, an arm projecting from the machine and pivotally supporting said guard, a spring connected to the arm and having its free end bearing against the under
10 side of the guard, and wings depending from the guard and embracing the end of the arm and having elongated slots, and means for engaging the slots to regulate the downward swing or travel of the guard, substantially as
15 and for the purpose set forth.
2. A spring-actuated lifter-guard for mowing or other agricultural machines, an arm

projecting from the machine and pivotally supporting the lifter-guard, said guard having double wings depending therefrom to embrace the end of the arm, each wing having an elongated slot, a bolt extending there- 20 through, and a nut engaging the bolt, said bolt normally resting against the lower part of the arm projecting from the machine where- 25 by means are provided for regulating the downward swing or travel of the lifter-guard, substantially as and for the purpose described.

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

FRANZ BLOCKI.

Witnesses:

HARVEY KLOTSCH,
WM. H. GRUBE.