H. SAVAGE.

MOWING MACHINE.

APPLICATION FILED JULY 26, 1907.

919,960. **Patented Apr. 27, 1909.**

Fig. 1.

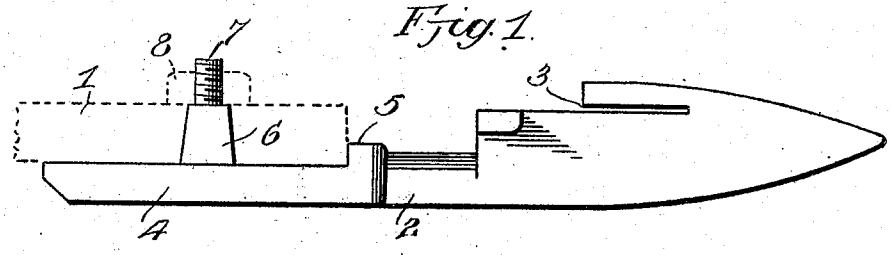


Fig. 2.

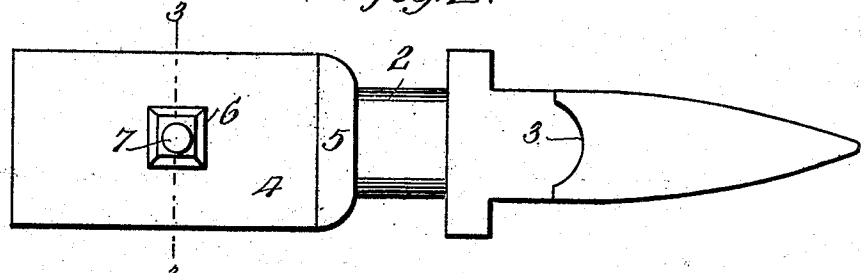
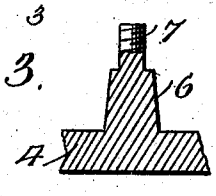


Fig. 3.



Inventor

Harry Savage,

By Victor J. Evans

Attorney

Witnesses

Frank Hough

F. S. Elmore.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HARRY SAVAGE, OF FLORENCE, KANSAS.

MOWING-MACHINE.

No. 919,960. Specification of Letters Patent. Patented April 27, 1909.

Application filed July 26, 1907. Serial No. 385,700.

To all whom it may concern:

Be it known that I, HARRY SAVAGE, a citizen of the United States, residing at Florence, in the county of Marion and State of Kansas, have invented new and useful Improvements in Mowing-Machines, of which the following is a specification.

This invention relates to mowing machines, being directed especially to the guard fingers which receive the movable sickle bar, and has for its objects to provide a comparatively simple, inexpensive device of this character which may be conveniently attached to or disengaged from the supporting bar, and one wherein the finger will, when in applied position, be maintained rigidly in place.

With these and other objects in view, the invention comprises the novel features of construction and combination of parts hereinafter more fully described.

In the accompanying drawings, Figure 1 is a side elevation of a guard-finger embodying the invention, showing the same in applied position, the supporting bar being indicated by dotted lines. Fig. 2 is a top plan view of the guard. Fig. 3 is a detail sectional view taken on the line 3—3 of Fig. 2.

Referring to the drawings, 1 designates the supporting bar of a mowing machine and to which is attached a guard finger 2 which, except as hereinafter explained, is of the usual construction and material and provided with a guide-slot 3 to receive the movable sickle bar (not shown), there being formed on the guard 2, which is provided with a flat horizontal bearing portion or shank 4 to lie beneath the bar 1, a bearing shoulder 5 formed at the forward end of said portion 4 in position to bear against the forward edge of the bar 1.

In accordance with my invention, I cast or otherwise form integral with and to project upwardly from the top face of the bearing portion 4, a centrally-disposed engaging member or stud 6 of square or other suitable non-circular form in cross-section to fit a correspondingly shaped opening formed in the bar 1, said stud, which is of gradually diminishing taper from its lower toward its upper end, being provided at its upper end with a reduced screw-threaded shank 7 adapted to receive a retaining nut 8 which, when applied, bears on the upper face of the bar 1. It will thus be seen that the stud is of substantially pyramid form and is provided with an upper face disposed in line with the guide slot 3 in order that the upper face of the supporting bar may lie flush with the lower edge of the said guide slot.

In practice, the guard fingers, of which of course the usual number will be employed, are connected to the bar 1 by entering the members or studs 6 upward through the respective openings in the bar and applying the retaining nuts 8 to the threaded shanks 7, under which conditions each finger will be maintained rigidly in place owing to the provision of the square stud 6, which enters the correspondingly shaped opening in the bar and the shoulder 5 which bears at the forward edge of the bar.

It is to be particularly observed that owing to the stud being of diminishing taper from its lower toward its upper end, its entrance into and removal from the opening is facilitated, while at the same time the action of applying the nut serves to wedge the stud securely in the opening for obviating any possible looseness or lost play between the parts, and furthermore that by passing the stud upwardly through the bar 1 with the nut applied on the upper face of the latter, the nut is rendered highly accessible for removal when circumstances require.

Having thus described the invention, what I claim is:—

In mechanism of the class described, the combination with a finger having a guide slot, said finger having a bearing portion, an upwardly extending stud of substantially pyramid form having a flat upper face disposed in the same plane with the lower face of the guide slot formed in the said finger, a threaded stem projecting from the upper face of the stud, of a supporting bar having a passage conforming to the shape of the stud to receive the same, a shoulder upon the bearing portion engaged with the front face of the bar, and a clamping nut engaged with the threaded stem and frictionally engaged with the supporting bar.

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

HARRY SAVAGE.

Witnesses:

A. F. BATTEY,

M. M. GINETTE.