

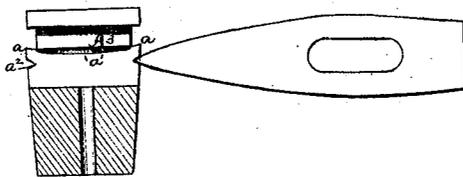
*J. Kimmel,*

*Harvester Guard.*

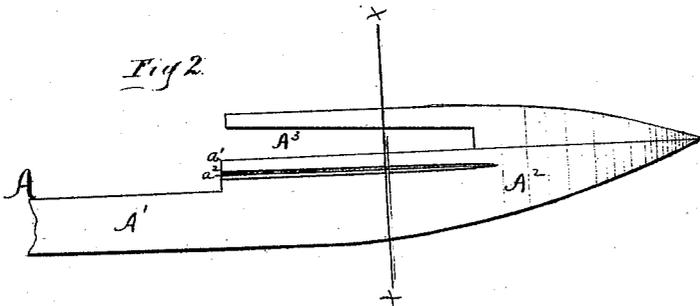
*No. 97,232.*

*Patented Nov. 23, 1869.*

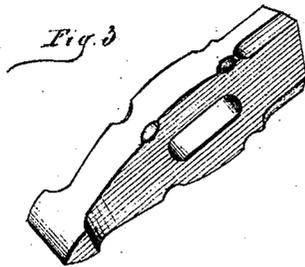
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Inventor*

*J. Kimmel*

*by J. W. Beadle*

*Attorneys.*

*Witnesses.*  
*Fred Thomas*  
*J. J. Royce*

# United States Patent Office.

JACOB RUMMEL, JR., OF NEW MIDDLETOWN, OHIO, ASSIGNOR TO HIMSELF  
AND F. V. FLOOR, OF SAME PLACE.

Letters Patent No. 97,232, dated November 23, 1869.

## IMPROVED METHOD OF RENOVATING THE CUTTING-EDGES OF HARVESTER-GUARDS

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JACOB RUMMEL, JR., of New Middletown, in the county of Mahoning, and State of Ohio, have invented a new and improved Harvester-Guard; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention consists of a process for raising the edges of harvester-guards, when they become rounded by wear.

In the drawings—

Figure 1 represents a sectional elevation, through the line  $x x$ , fig. 2;

Figure 2 represents a side elevation; and

Figure 3, a perspective view of the grooving-hammer.

To enable others to employ my improved method, I will now proceed to fully describe it.

A represents a harvester-guard, constructed as usual, with the shank  $A^1$  and point  $A^2$ , having the slot  $A^3$ .

The edges  $a a$  are subject to wear, from the action

of the knives, and, in time, become rounded off, so the latter are unable to cut.

To remedy this evil, I raise these edges, by means of a grooving-hammer, as shown in fig. 1.

The operation is as follows:

The guard, being suitably supported upon some solid base, has struck in it, by means of the grooving-hammer, the groove  $a^2$ , at about an eighth of an inch from the edge. The metal displaced, rises and forms the edges  $a a$ .

By this means, old guards can be made as good as new.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The method, herein described, of renovating harvester-guards.

This specification signed and witnessed, this 27th day of July, 1869.

Witnesses:

LEVI FLOOR,

JONATHAN SCHILLINGER.

JACOB RUMMEL, JR.