(No Model.)

J. H. FOLLIOTT.

MOWER AND REAPER GUARD.

No. 356,357. Patented Jan. 18, 1887.

Fig. 1.

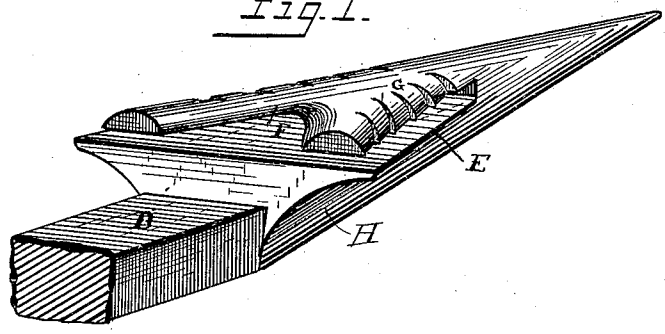


Fig. 2.

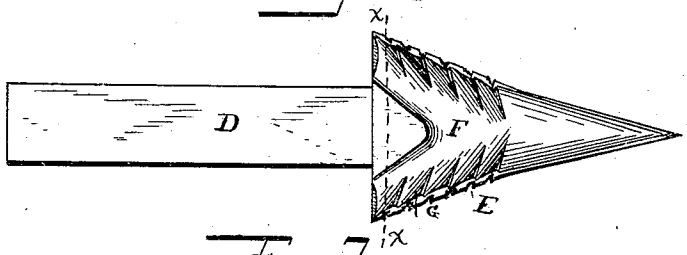


Fig. 3.

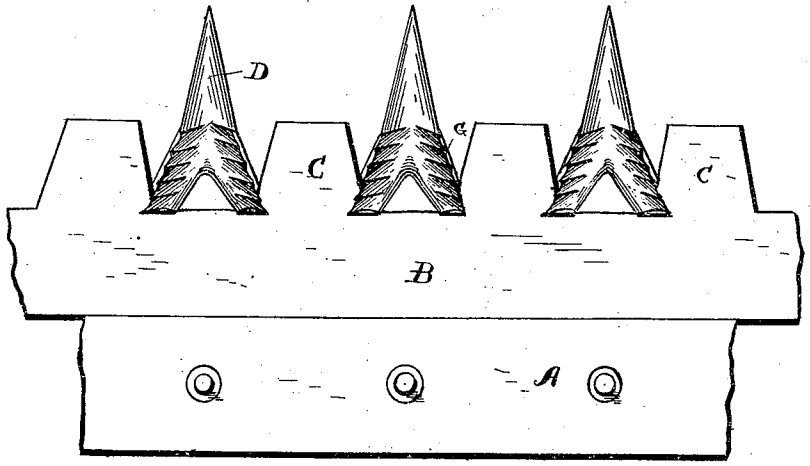
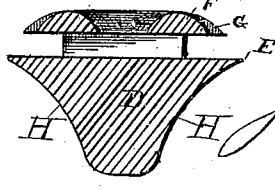


Fig. 4.



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UNITED STATES PATENT OFFICE.

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MOWER AND REAPER GUARD.

SPECIFICATION forming part of Letters Patent No. 356,357, dated January 18, 1887.

Application filed April 6, 1886. Serial No. 197,980. (No model.)

To all whom it may concern:

Be it known that I, JAMES HALL FOLLIOTT, a citizen of the United States, and a resident of Port Clinton, in the county of Ottawa and State of Ohio, have invented certain new and useful Improvements in Mower and Reaper Guards; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved guard or finger for reapers or mowers, showing the lower edges of the slot as plain cutting-edges. Fig. 2 is a top view of the same, showing the lower as well as the upper edges of the slot serrated. Fig. 3 is a similar view of a portion of a finger-bar and cutter-bar, showing my improved fingers or guards applied; and Fig. 4 is a vertical sectional view on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to guards or fingers for reapers or mowers; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the finger-bar, and B is the cutter-bar, having the cutter-blades C, which may be of any desired construction.

The fingers D are secured to the finger-bar in any suitable manner, and have the forward portion formed in the shape of a triangle, having the acute angle pointing forward. The under side of each finger is beveled at the sides H toward the edges E, as more plainly seen in Fig. 4, and the edges E are ground to form either a serrated or a plain cutting-edge, to operate in conjunction with the cutting-edges of the reciprocating cutter-blades, which reciprocate under the rearwardly-extending upper guard-plate, F. The edges of this rearwardly-extending guard-plate are beveled or rounded toward the under side, and the edges are formed into rearwardly-pointing serrations G, which serrations extend over the rounded edges to the top of the plate, thereby providing for catching, and holding against the action of the knives, the grass or grain, in whatever angle it may be when met by the guards.

The edges of the body of the finger being beveled and sharpened, they will act in conjunction with the cutter-blades, and the edges will be continually sharpened by the wearing of the reciprocating cutter-blades upon the upper side of the body of the finger, so that they will need no other sharpening than the sharpening they receive during their operation, and the serrated edges of the upper guard-plate will retain the grain or grass and prevent it from tilting forward, and thus escape being cut, the serrations allowing the grass or grain to enter between the fingers, but preventing it with their rearwardly-facing shoulders from being tilted forward. Moreover, the serrations on the upper guard-plate extending over the rounded edges thereof to the top of said plate, to hold the lodged or tangled grass or grain from working off the guards before being cut, give to my device great advantage over those guards heretofore constructed, in which the edges of both upper and lower plates are provided with vertically-cut serrations that extend merely across the edges of said plates, and not over the rounded edges of the upper plate, and therefore produce a guard which is able to catch and hold only the perfectly-standing grass or grain.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. A guard or finger for a reaper or mower, consisting of a triangular body having the acute angle projecting forward, and having a rearwardly-extending upper guard-plate formed with side edges beveled or rounded from the upper side, and with rearwardly-pointing serrations extending over the beveled or rounded edges to the upper side of the plate, as and for the purpose shown and set forth.

2. A guard or finger for a reaper or mower, consisting of a triangular body having the acute angle projecting forward, and having the under side of the body beveled toward the side edges, which are formed into serrated cutting-

edges, and provided with a rearwardly-extending guard-plate formed with side edges beveled or rounded from the upper side, and formed with serrations pointing rearward and extending over the beveled or rounded edges to the top of the guard-plate, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JAMES HALL FOLLIOTT.

Witnesses:

W. S. FLAUGHER,

JOHN W. MIZENER.