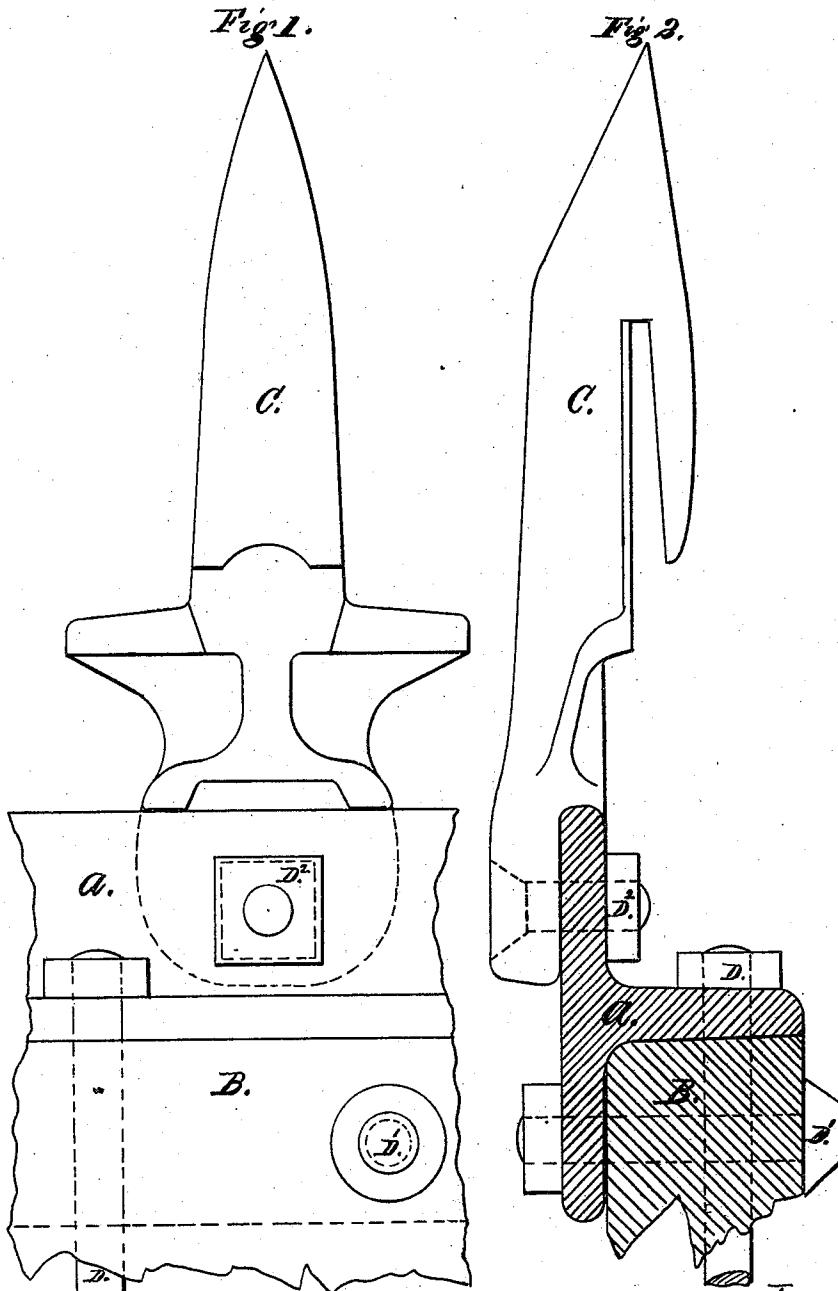


G. F. UNDERHILL.

CUTTER-BARS FOR HARVESTERS.

No. 173,193.

Patented Feb. 8, 1876.



Witnesses:

C. H. Newby
F. S. Stebbins.

Inventor:

G. F. Underhill

UNITED STATES PATENT OFFICE.

GEORGE F. UNDERHILL, OF BROCKPORT, NEW YORK.

IMPROVEMENT IN CUTTER-BARS FOR HARVESTERS.

Specification forming part of Letters Patent No. **173,193**, dated February 8, 1876; application filed December 18, 1875.

To all whom it may concern:

Be it known that I, GEORGE F. UNDERHILL, of Brockport, in the county of Monroe and State of New York, have invented a new and useful Improvement in Reapers and Harvesters; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a plan view of the finger-bar attached to the platform, and having a finger or knife-guard secured to it; and Fig. 2 represents a vertical cross-section of the finger-bar and platform, showing the knife-guard above referred to in side elevation.

Similar letters of reference in the accompanying drawings denote the same parts.

The object of this invention is to improve the mode of attaching the knife-guards or fingers of reapers and harvesters, and other similar agricultural machines, to the platform or other support; and to this end the invention consists in forming the connection between the fingers and their support by means of a T-shaped bar of metal, substantially as I will now proceed to set forth.

In the drawings, B is the front edge of a harvester-platform, and C is one of the knife-guards or fingers employed in the machine. Both the platform and the fingers may be of any approved form and construction. The connection of the fingers to the platform is effected by means of an intervening bar, A, of T iron or steel. This bar is constructed of such dimensions that its middle flange will fit closely against the front edge of the platform,

to which it is fastened by horizontal bolts D, while one of its head-flanges fits closely up against the under edge of said platform, to which it is secured by similar vertical bolts D¹, and its remaining head-flange supports the fingers or guards C, which are bolted or riveted to it by vertical bolts D². The T shape of the bar imparts to it great strength and stiffness, and gives it a double bearing-surface toward the platform and a convenient shoulder or flange for the guards. The bolts D D¹, running through the front beam of the platform, both vertically and horizontally, hold the parts securely together and prevent the beam from splitting or cracking longitudinally. The T-bar also strengthens the platform-beam.

It is obvious that this mode of attaching horizontal projecting arms or bars to the edge of any support like that shown at B may be employed to advantage in many other machines and structures besides those above referred to, as it affords two stout flanges through which to bolt it to the support, and one through which to bolt the projecting arms to it. I regard all such arms as the equivalents of the parts C, and all such supports as the equivalents of the parts B, hereinabove shown and described; and

I claim as my invention—

The combination of the series of projecting fingers C with the support B, and with the inverted T-bar A, embracing said support, substantially as and for the purposes set forth.

GEO. F. UNDERHILL.

Witnesses:

C. D. DEWEY,
F. S. STEBBINS.