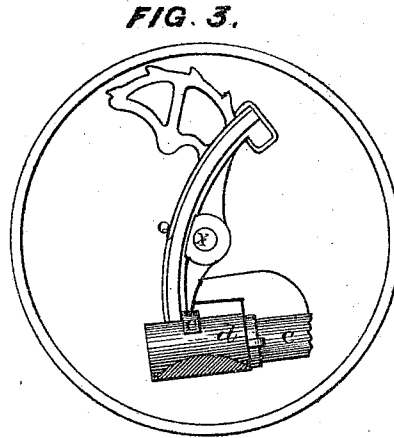
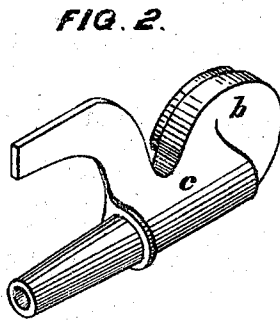
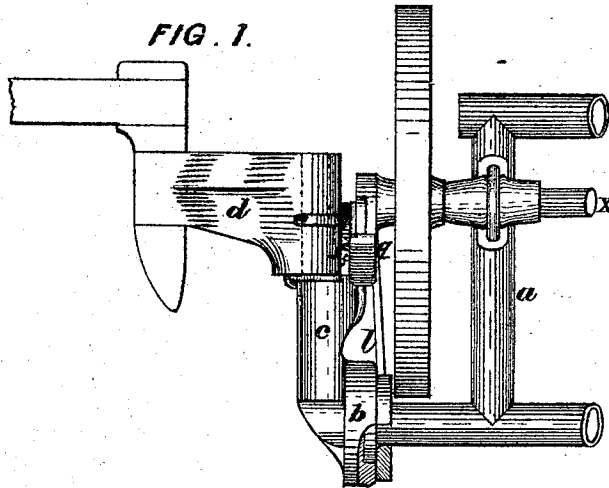


W. WALLACE.
Harvesters.

No. 141,970.

Patented August 19, 1873.



J. Greenough
E. Greenough

Witnesses.

William Wallace

Inventor.

UNITED STATES PATENT OFFICE.

WILLIAM WALLACE, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. **141,970**, dated August 19, 1873; application filed April 10, 1873.

To all whom it may concern:

Be it known that I, WILLIAM WALLACE, of Syracuse, in the county of Onondaga and State of New York, have invented certain Improvements in Harvesters, of which the following is a specification:

The first part of my invention consists in connecting the finger-bar with the crank-gear by a single hinge by using the drag-bar brace alone for drag-bar and brace by giving to it a long bearing and staying it with the main quadrant.

The construction is as follows: The driving wheel and frame *a*, Figure 1, not being new need no particular description. The cap *b* of the bevel-gear and sleeve *c*, by which the finger-bar and the moving parts connected therewith are sustained, are required to be very strong and rigid, the cap being connected with the frame by a collar, which has a large surface-bearing. I form the sleeve and cap in one casting so as to have no joint except at the swiveling-point, where a slight springing of the parts will not impede the well working of the machinery. The drag-bar *d* is made with a long bearing to hold it steady in connection with the swivel, and on this bearing there is

a bead or projecting rib, *e*. The main quadrant *q* is suspended on the main axle *x*, and is held to the forward part of the frame *a* by a link, *l*. On its face it has a projecting rib, *f*, with which the surface of the long bearing of the drag-bar *d* comes in contact to assist in bracing that end of the sleeve, and this is further aided by the bead *e* on said bearing that rests against the inner concave surface of the quadrant *q*, which serves to hold the parts all in relative position to each other. The quadrant *q* may be hung on the front side of axle *x*, as in Fig. 1, or at the rear thereof, as in Fig. 3, which latter position is preferable as being nearer the end of the sleeve, and consequently giving to it and the finger-bar greater support.

I claim as my invention—

The sleeve *c*, drag-bar *d* having the bead thereon, and quadrant *q*, against which the drag-bar and bead bear, constructed, arranged, and combined substantially as and for the purposes herein described.

WILLIAM WALLACE.

Witnesses:

J. J. GREENOUGH,
S. LUCE.