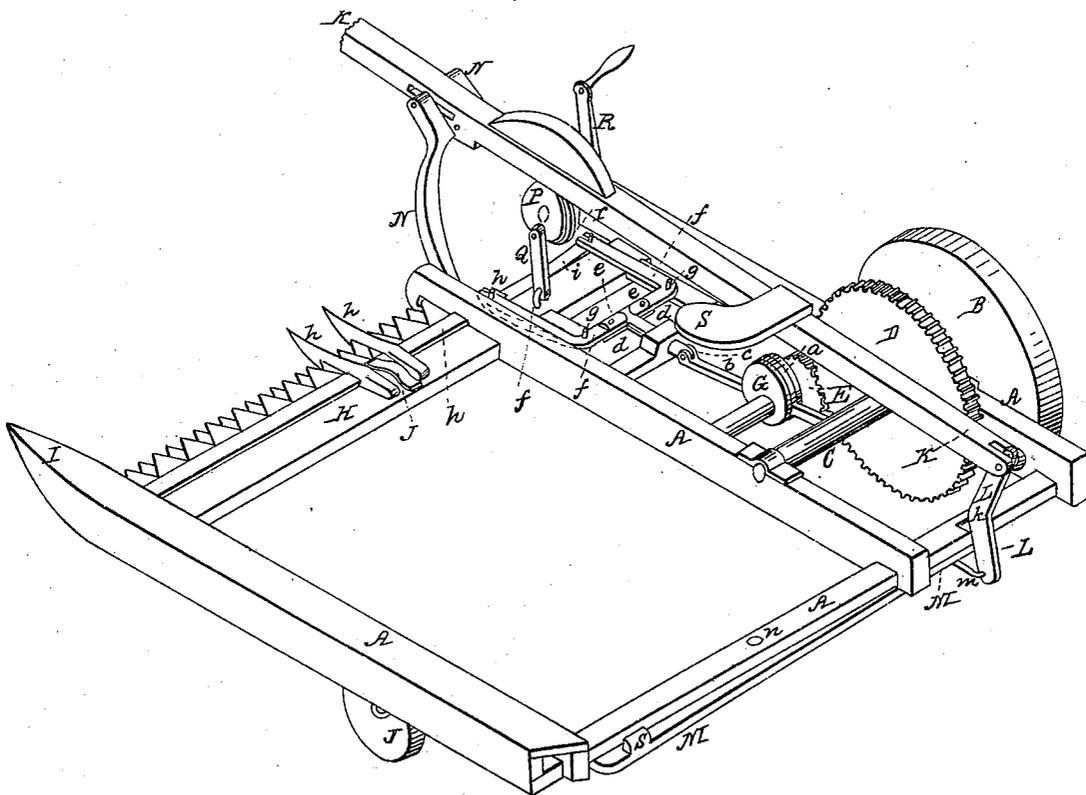


C. HOLLOWAY.
Harvester.

No. 16,836.

Patented March 17, 1857.



UNITED STATES PATENT OFFICE.

CORNEALUS HOLLOWAY, OF PETERSBURG, VIRGINIA, ASSIGNOR TO JAMES D. MANEY.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 16,836, dated March 17, 1857.

To all whom it may concern:

Be it known that I, CORNEALUS HOLLOWAY, of Petersburg, in the county of Dinwiddie and State of Virginia, have invented certain new and useful Improvements in Harvesting-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, and which represents in perspective so much of the machine as will illustrate the characteristics of my invention.

To enable those skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawing.

A A A represent the frame of the machine, and B the main driving and supporting wheel, which is permanently attached to an axle, C, hung in said frame in proper bearings.

On the axle C is arranged a cogged gear, D, which takes into and turns a pinion, E, on a shaft, F, which is parallel with the shaft or axle C, and also supported in suitable boxes on the frame A.

Upon the shaft F there is an eccentric-wheel, G, around which passes a strap or yoke, a, which is formed on or connected with the rod b, and to this rod b is attached, by a hinged joint at c, one end of a pitman, d. The other end of said pitman has a cross-head, e, upon it. To each end of this cross-head e is hung one end of a pair of bent levers, f f, said levers being pivoted to the frame at the points g g. The forward ends of the bent levers are forked, and straddle pins or studs respectively arranged in the ends of the upper and lower cutter-bars, h i, each lever driving one of said bars, which, when in motion, travel in contrary directions or past each other, forming a shear cut.

H is the finger-bar, and h the fingers thereon. j is a spring the point of which presses on the cutter-bar to hold it down to the one below it.

I is the divider; J, the outside supporting-wheel.

The tongue K extends back to the rear of the machine, and its rear end is connected to the upper end of a lever, L, which is pivoted to the frame at k. The lower end of this lever L is attached by a connecting-rod, m, to one end of a bar, M, pivoted at n to the rear piece of the frame A.

The front of the machine is connected to the tongue by two pivoted hounds, N, and a slot, o, is made through the tongue, where the hounds are united to it, for the bolt to play through as the cutters are raised or lowered.

A cam or eccentric, P, is connected to the finger-bar by a link, Q, and the tongue is connected to this cam or eccentric by a strap, r, passing around it, which strap is fastened to the tongue. A crank, R, is connected to the cam P, so that by turning said crank the front of the machine may be raised or lowered at pleasure on the tongue; but in doing so the machine is moved forward and back also, and it is necessary to make provision for this. The slot o in the tongue admits of the moving of the machine to and fro, and, the rear of the tongue being connected to a pivoted lever, the swinging of said lever compensates for the horizontal forward and backward motion of the machine. The extreme outer end of the pivoted bar M has a projection, s, upon it, which, when the draft is on the tongue, catches against the frame A. When backing the lever L and bar M vibrate on their pivoted points, they being rigid only when the machine is being drawn forward.

S is the raker's seat, arranged on the tongue K, so as to face the platform and deliver the gavel at the rear of the machine.

Having thus fully described the nature of my invention, I would state that I am aware many devices have been arranged for raising and lowering the cutters from the tongue of the machine. This I do not claim independent of my special manner of accomplishing this end; but

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

In combination with the cam P, connected to the frame by a link, Q, and to the tongue by a strap or yoke, the slot o at the front and the lever-connections L M at the rear, so that the machine may swing forward and back as it is lowered or raised, but be rigid when the draft is on, as herein set forth.

CORNEALUS HOLLOWAY.

Witnesses:

LARKIN L. MOORE,
PETER R. LITERTY.