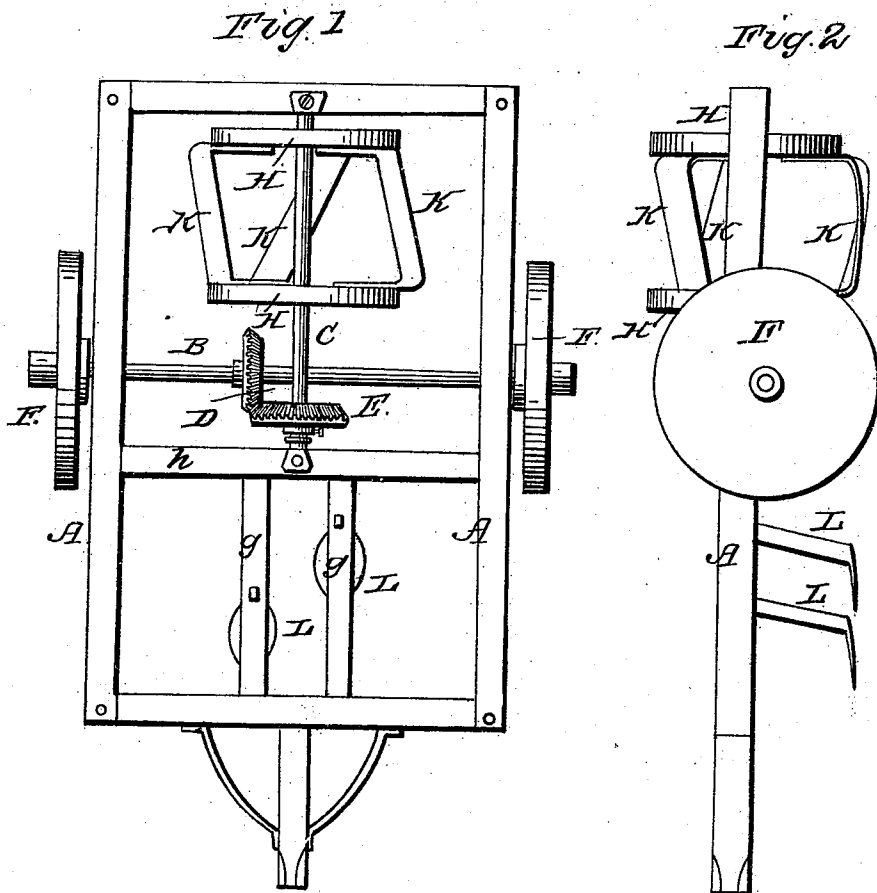


I. J. KIDD,
Cotton Chopper.

No. 77,293.

Patented April 28, 1868.



witnesses
V. D. Lockbridge.
C. H. Blue

Inventor
I. J. Kidd
per
Alexander & Maden
Attys

United States Patent Office.

I. J. KIDD, OF YOUNG'S SETTLEMENT, TEXAS.

Letters Patent No. 77,293, dated April 28, 1868.

IMPROVEMENT IN COTTON-CHOPPERS.

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, I. J. KIDD, of Young's Settlement, in the county of Bastrop, and in the State of Texas, have invented certain new and useful Improvements in Cotton-Choppers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

In the annexed drawings, making a part of this specification, A represents a frame, of suitable size, and of any material required, adjusted or secured on the axle or horizontal shaft B. The shaft B has attached to it, near the middle, a cog-wheel, D, and at both extremities the carriage and drive-wheels F F. The frame A has a cross-piece, h, framed into it, a little in front of the axle B, and two longitudinal pins g g framed into the front end of the frame A and the cross-piece h. Adjusted longitudinally in the frame, to the cross-bar h, and the rear end of the frame, is a horizontal shaft, C, upon one end of which is secured a cog-wheel, E, which meshes in and is operated by the cog-wheel D. H H represent circular heads or wheels, rigidly attached to the shaft, at any suitable distance apart, and made of any suitable size.

Upon either inner or outer side of the wheels H H are screwed or fastened knives, K K, which are made of good steel, sharpened, and bent so that the ends are at right angles with the cutting-edge, as seen in the drawings.

These knives are placed at any angle deemed most suitable, and project beyond the periphery of the wheels H H, for the purpose of cutting or chopping out a part of the young cotton-plants, which come up in a continuous row, and leaving hills a proper distance apart. The size of the hills is easily regulated by an increase or decrease in the number of knives, and the distance apart by the length thereof.

These knives are operated by means of the carriage and drive-wheels F F, which, as they move over the ground, turn the shaft B and the cog-wheel D, and it, in turn, the cog-wheel E and shaft C, upon which the wheels H H are secured, to which last the knives K K are fastened. L L represent ploughs or scrapers, which may be used as a cultivator, and run on both sides of the row of cotton. Said ploughs are adjusted in the pieces g g, as shown.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The knives K K, secured to the disks H H and shaft C, when constructed and operated substantially as and for the purpose specified.
2. The arrangement of the shafts or axles B and C, and their cog-wheels D and E, disks H H, and knives K K, with the frame A, provided with cross-bar h, longitudinal pieces g g, and the ploughs L L, substantially in the manner as and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 11th day of December, 1867.

Witnesses:

SETH W. BIGGS,
JOHN R. COOK.

I. J. KIDD. [L. S.]