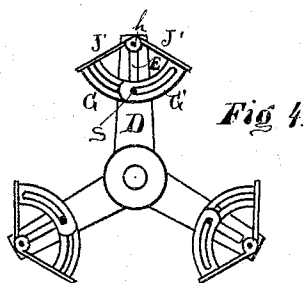
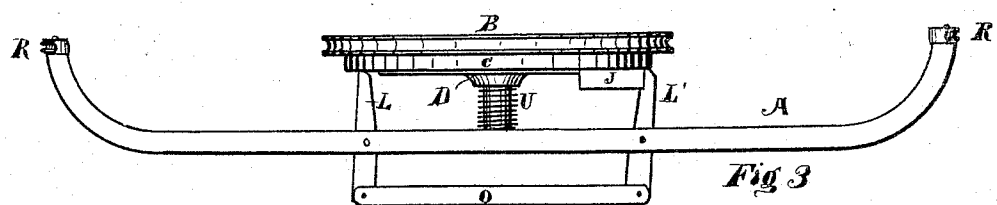
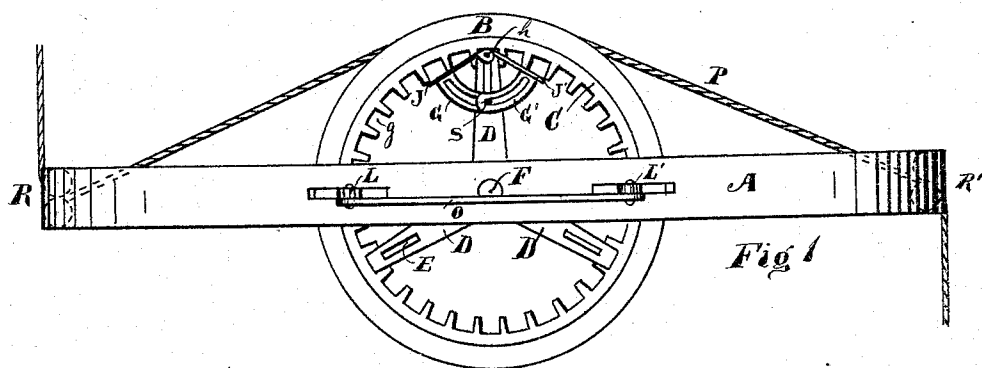
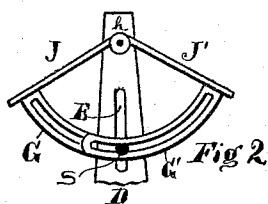


S. DE VEAUX.
CHECK-ROWERS.

Patented Nov. 14, 1876.

No. 184,231.



Witnesses
E. C. Whitney
Geo. Dupont.

Inventor
Samuel De Vaux
Per E. H. Smith his atty.

UNITED STATES PATENT OFFICE.

SAMUEL DE VEAUX, OF LA FAYETTE, INDIANA.

IMPROVEMENT IN CHECK-ROWERS.

Specification forming part of Letters Patent No. **184,231**, dated November 14, 1876; application filed May 16, 1876.

To all whom it may concern:

Be it known that I, SAMUEL DE VEAUX, of La Fayette, Tippecanoe county, State of Indiana, have invented a new and useful Improvement in Check-Rowers, of which the following is a description, reference being had to the accompanying drawings.

The object of my invention is to construct a check-rower and attach it to any ordinary corn-planter, so that the corn will be dropped at equal distances; and it consists of a frame, A, above which, near the center, is supported a sheave-wheel, B, and rack-wheel C on the stud F. The rack-wheel C is attached to the sheave B, and is formed with a series of notches or cogs, *g*. These notches *g* are properly spaced, so as to allow the three arms of the regulator D to readily engage with any of the notches *g*, as will be hereafter described. The regulator D is also pivoted on the stud F, and is held up, so that the three arms are in gear with the wheel C, by means of the spiral spring U on the stud F, as shown. Each arm of the regulator D is provided with a slot, E, in which is a bolt, S. This bolt S passes through the slots in the segments G G' of the V-shaped adjustable eccentric J J'. This V-shaped adjustable eccentric is formed of two wings, J J', hinged at the front at *h*, as shown. The segments G G' are also secured to the wings J J' in the manner shown in Fig. 2. By means of this arrangement I am enabled to adjust the wings J J' to any angle required, and at the same time adjust the extreme end or point, as at hinge *h*, to any required distance from the center of the regulator D by means of the slot E and bolt S, as shown. There are three of these adjustable V-shaped eccentrics—one on each of the three arms of the regulator, and they are made to engage with the levers L L', to operate the feed-bar in the usual manner.

The wheel B is provided with a rope, P, which passes once around the wheel, and is

led onto and off of the wheel by guide-pulleys R R', attached to the frame of the machine in the manner shown.

When the wheel B is revolved by the rope P and movement of the machine forward, the regulator D, being held up in the cogs *g*, also moves around, and as each V-shaped cam J J' comes in contact with the lever L the lever is moved and the feed-bar is operated in one direction, and as the next V-shaped cam comes in contact with the lever L', then the feed-bar is moved in a reverse direction, and so on alternately with each V-shaped cam; and the amount of movement of the feed-bar is regulated by the adjustable V-shaped cams J J' on the arms of the regulator D.

In order to adjust the regulator when desired, it is pressed down on the stud F and turned to any desired position, and then the spring U will hold it up in gear until it becomes necessary to again change it.

What I claim as new, and wish to secure by Letters Patent, is—

1. In a check-rower, the combination of the sheave B, cog-rack C, three-armed regulator D, and stud F, constructed and adapted for the purposes described.

2. The adjustable V-shaped eccentric or cam, formed of the two wings J J', hinged at *h*, and the segments G G', all arranged to operate in the manner shown, for the purposes specified and set forth.

3. In combination with the arms of the regulator D, the V-shaped eccentric J J' G G', in the manner shown, for the purposes specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL DE VEAUX.

Witnesses:

E. O. FRINK,
E. C. WHITNEY.