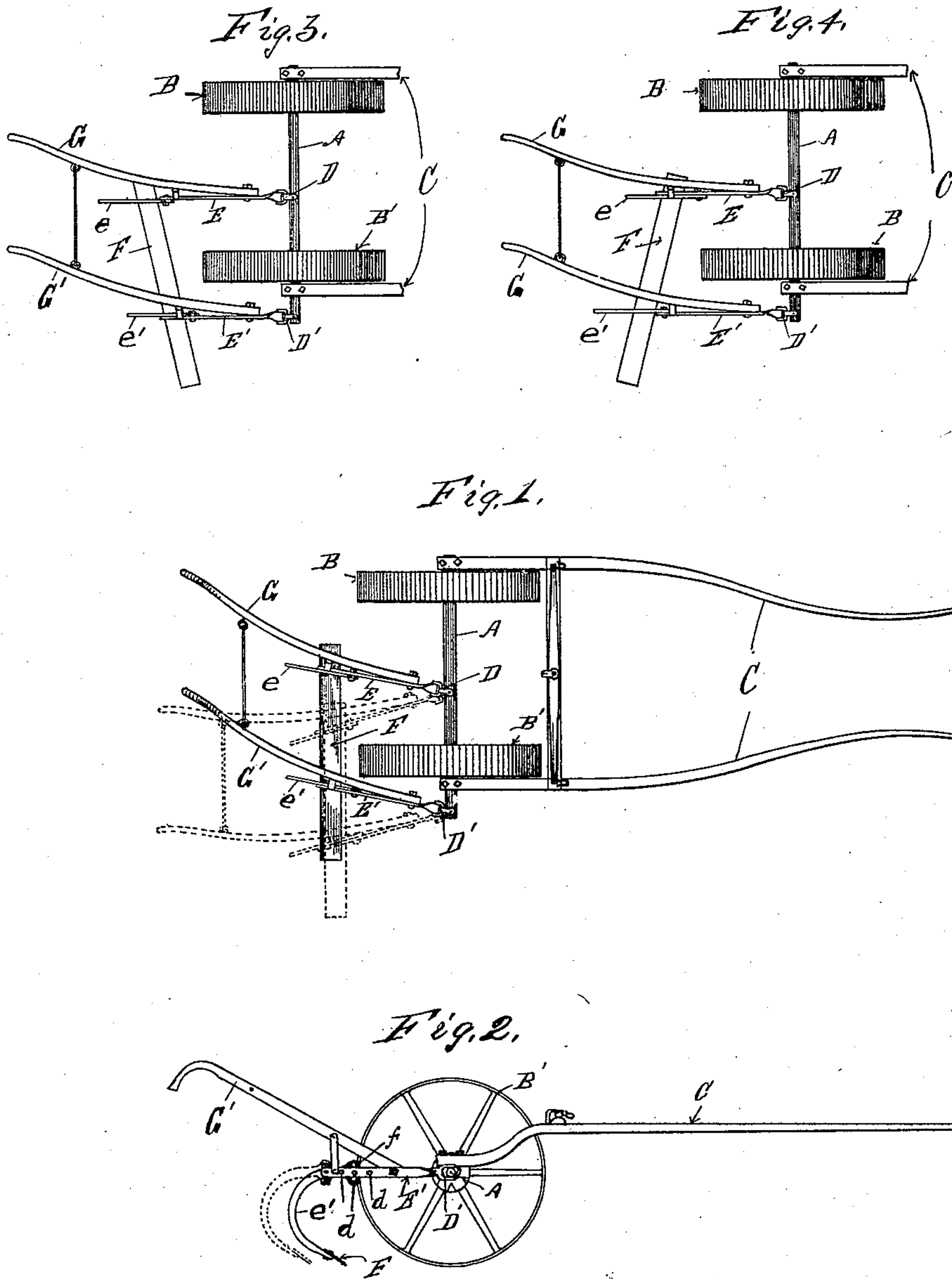


(No Model.)

D. D. DEWEY.
VINEYARD WEED CUTTER.

No. 477,298.

Patented June 21, 1892.



WITNESSES

F. J. Barnett
A. L. Jackson

INVENTOR

Deriston D. Dewey
By *H. Stinson*
Atty.

UNITED STATES PATENT OFFICE.

DENISTON D. DEWEY, OF NORTH EAST, PENNSYLVANIA.

VINEYARD WEED-CUTTER.

SPECIFICATION forming part of Letters Patent No. 477,298, dated June 21, 1892.

Application filed November 2, 1891. Serial No. 410,682. (No model.)

To all whom it may concern:

Be it known that I, DENISTON D. DEWEY, a citizen of the United States, residing at North East, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Vineyard Weed-Cutters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

My invention consists in the improvements in vineyard weed-cutters hereinafter set forth and explained, and illustrated in the accompanying drawings, in which—

Figure 1 is a top or plan view of my improved vineyard weed-cutter. Fig. 2 is a side elevation of same. Figs. 3 and 4 are top or plan views of same, illustrating the adjustment of the cutting-blade.

Like letters refer to like parts in all the figures.

The object of my invention is to construct a vineyard weed-cutter for cutting up and destroying weeds in vineyards in which the cutting-blade is adapted to be moved transversely beyond the side of the machine at the will of the operator, so as to project the end of the cutting-blade out under the wire trellis, upon which the vines are supported, between the stands of vines, so as to thoroughly cut up and destroy the weeds between and also under the trellis upon which the vines are supported.

In the construction of my invention shown in the drawings, A is an axle supported by two wheels B B'. To the axle A is secured thills C, by means whereof a draft-animal may be secured to the machine. To the axle A are also hinged arms E E, having adjustably secured to the rear ends thereof downwardly-projected sections e e'. To the lower ends of the sections e e' I pivot a horizontally-inclined cutting-blade F, adapted to pass just under the surface of the ground and cut up the weeds.

To the arms E E', I secure handles G G', which project backward and are curved to one side, so that the operator walking behind the machine when in operation can move the cutting-blade F laterally, as illustrated in dotted lines in Fig. 1 and in full lines in Figs. 3 and 4, and raise and lower it, as desired.

In Figs. 1 and 2 of the drawings the cutting-blade is shown adjusted to operate with its cutting-edge parallel to the axle A. In Figs. 3 and 4 I show the blade F adjusted to operate at an angle to the axle A. This is accomplished by means of the holes d in the arms E E', by means whereof the sections e e' thereof can be adjusted forward or backward to change the angle of the blade F to the axle A as desired. In the upper and inner ends of the sections e e' are transverse slots f, through which clamping-bolts pass into the holes d, by means whereof the lower ends of the sections e e' can be raised or lowered, so as to change the angle or inclination of the edge of the blade F, so that when adjusted, as illustrated in Figs. 3 and 4, the blade F can be operated as a scraper to throw the surface of the soil up against or away from the stands of vines, according to the adjustment thereof, as may be desired.

Having thus fully described my invention, so as to enable others to construct and use the same, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, in a vineyard cutter, of an axle, wheels thereon and thills secured to said axle, with adjustable arms or drag-bars, one of which is coupled to said axle between the wheels and the other to a projection on said axle outside of one of the wheels, a cutting-blade pivoted to said arms, so as to be carried at the rear of one side of the machine, and handles secured to said arms or drag-bars, substantially as and for the purpose set forth.

2. The combination, in a vineyard weed-cutter, of an axle, as A, having wheels B B' and thills, as C, thereon, with the arms E E', coupled to the axle A by means of universal joints D D' and having adjustable sections e

e' thereon, a cutting-blade, as *F*, pivoted to the lower ends of the sections *e e'* and adapted to be adjusted at different angles with the axle and at different inclinations, and later-
5 ally-curved handles, as *G G'*, secured to the arms *E E'*, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

DENISTON D. DEWEY.

Witnesses:

CHAS. S. WHITMAN,
JOHN S. RILLING.