(No Model.)

D. W. MASSEE.

COTTON CHOPPER.

No. 255,643. Patented Mar. 28, 1882.

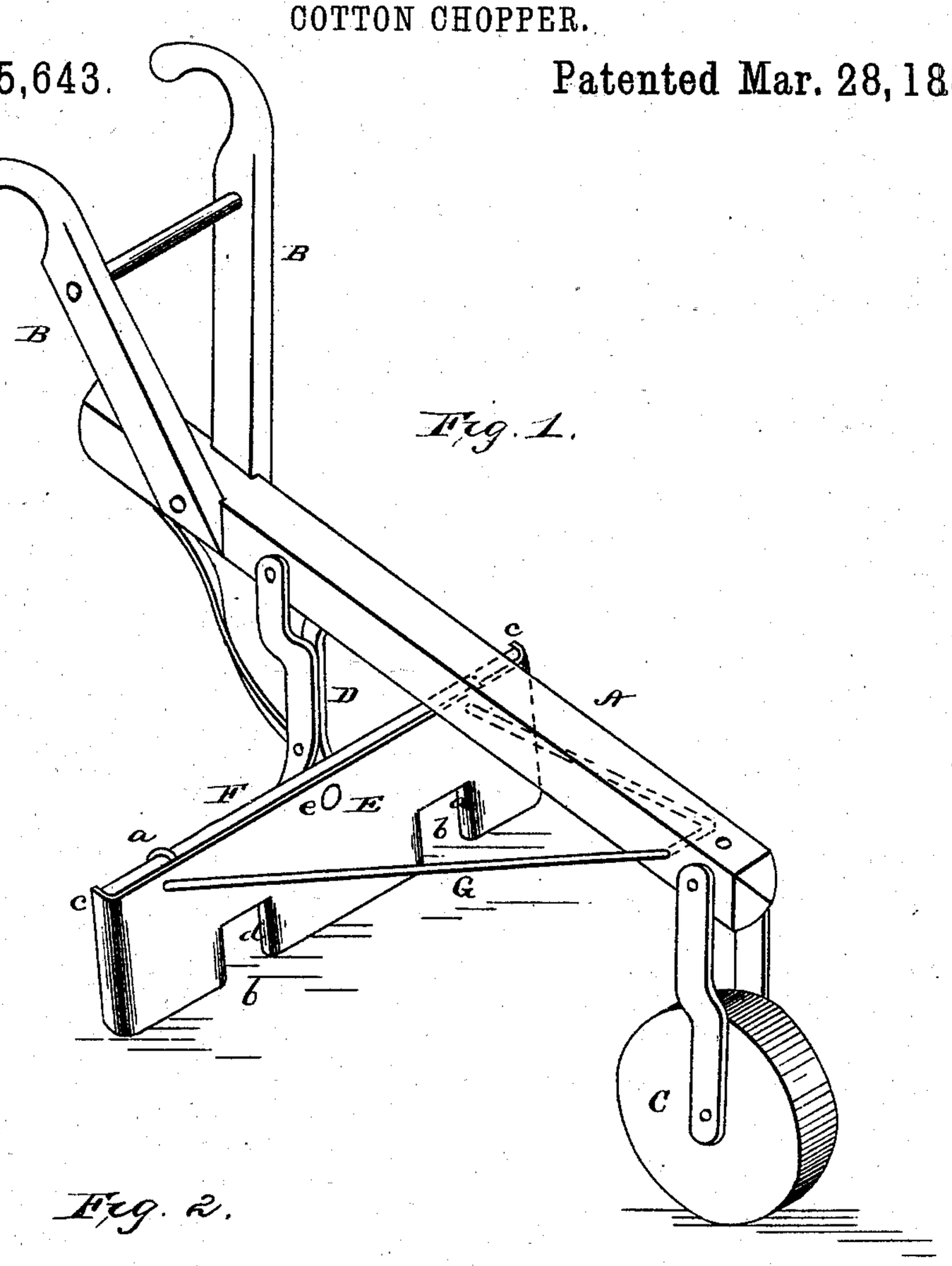


Fig. 1.

Fig. 2.

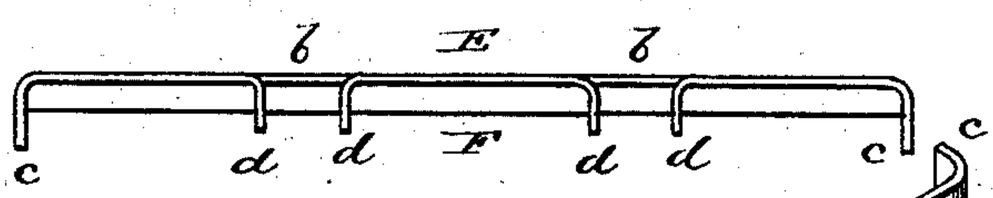


Fig. 3.

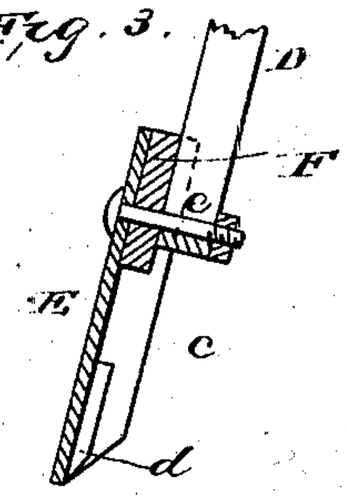
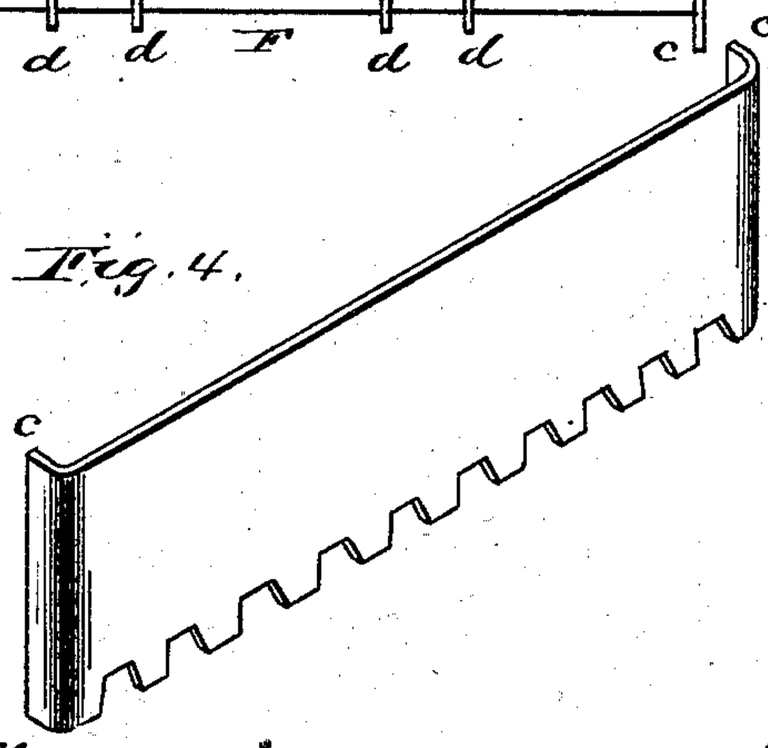


Fig. 4.



Witnesses,
Edwin L. Yewell.
J. J. McCathy.

Inventor.
D. W. Massee,
By C. M. Alexander
his Attorney.

UNITED STATES PATENT OFFICE.

DREURY W. MASSEE, OF MARSHALLSVILLE, GEORGIA.

COTTON-CHOPPER.

SPECIFICATION forming part of Letters Patent No. 255,643, dated March 28, 1882.

Application filed January 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, DREURY W. MASSEE, of Marshallsville, in the county of Macon, and in the State of Georgia, have invented certain new and useful Improvements in Cotton-Choppers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in an improved cotton-chopper, the novel features of which will be fully understood from the following description, when taken in connection with the annexed drawings.

Figure 1 is a perspective view of the improved chopper complete; Fig. 2, a bottom view of my new chopping-blade and its stiffening-bar; Fig. 3, a vertical section through the blade at its point of attachment to the standard; and Fig. 4 is a perspective view of a blade designed for blocking out turnips and other vegetables.

Similar letters of reference indicate corresponding parts.

A designates a beam; B B, the handles thereof; C, a front guide-wheel, which also serves as a fulcrum in running the chopper; and D is a standard, which is provided with an eye through its lower end, and which is rigidly braced and secured to the beam A.

E designates the chopper; F, a strong inflexible bar; and G, diagonal braces, which extend from the front part of the beam, and are attached by means of their rear hooked ends, *a*, to the chopping-blade E and bar F. The chopper is formed of a thin steel blade, which is a parallelogram, and which may be made of any suitable length and width.

The drawings Figs. 1 and 2 show a blade notched at *b b* for working two rows of plants; but I may adapt the blade for more rows. The ends of this blade are bent backward, so as to form guard-wings *c c*, which prevent the plants from being cut or otherwise injured, and which also stiffen the thin blade vertically. The inclined edges of the notches *b b* are also bent backward to form guard-wings *d d*, which protect the young plants in the rows, and also stiffen the bottom edges of the blade E. The bar F is applied to the upper edge at the back of the blade E for the purpose of preventing this blade from bending longitudinally, also for the purpose of staying the end wings, *c c*. The bar and the blade E are secured centrally to the lower end of the standard D by means of a bolt, *e*. (Shown in Fig. 3.) The braces G are hooked through the blade and bar near the extremities thereof. It will thus be seen that the bolt *e* and the hooks *a* secure the blade and bar together, and also secure these parts to the standard and beam of the implement. By removing the bolt *e* the bar and blade can be detached from the hooks *a* of the braces, and a blade notched on its lower edge, as shown by Fig. 4, substituted.

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

The combination, with the beam A and standard D, of a single blade, E, notched at *b*, the wings *d d*, the wings *c c*, formed on said blade, and the stiffening-bar F, secured to said blade at the back thereof by means of a bolt, *e*, and the eyes *a a* on the braces G G, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 14th day of December, 1881.

DREURY W. MASSEE.

Witnesses:
D. B. FREDERICK,
J. W. JOHNSON.