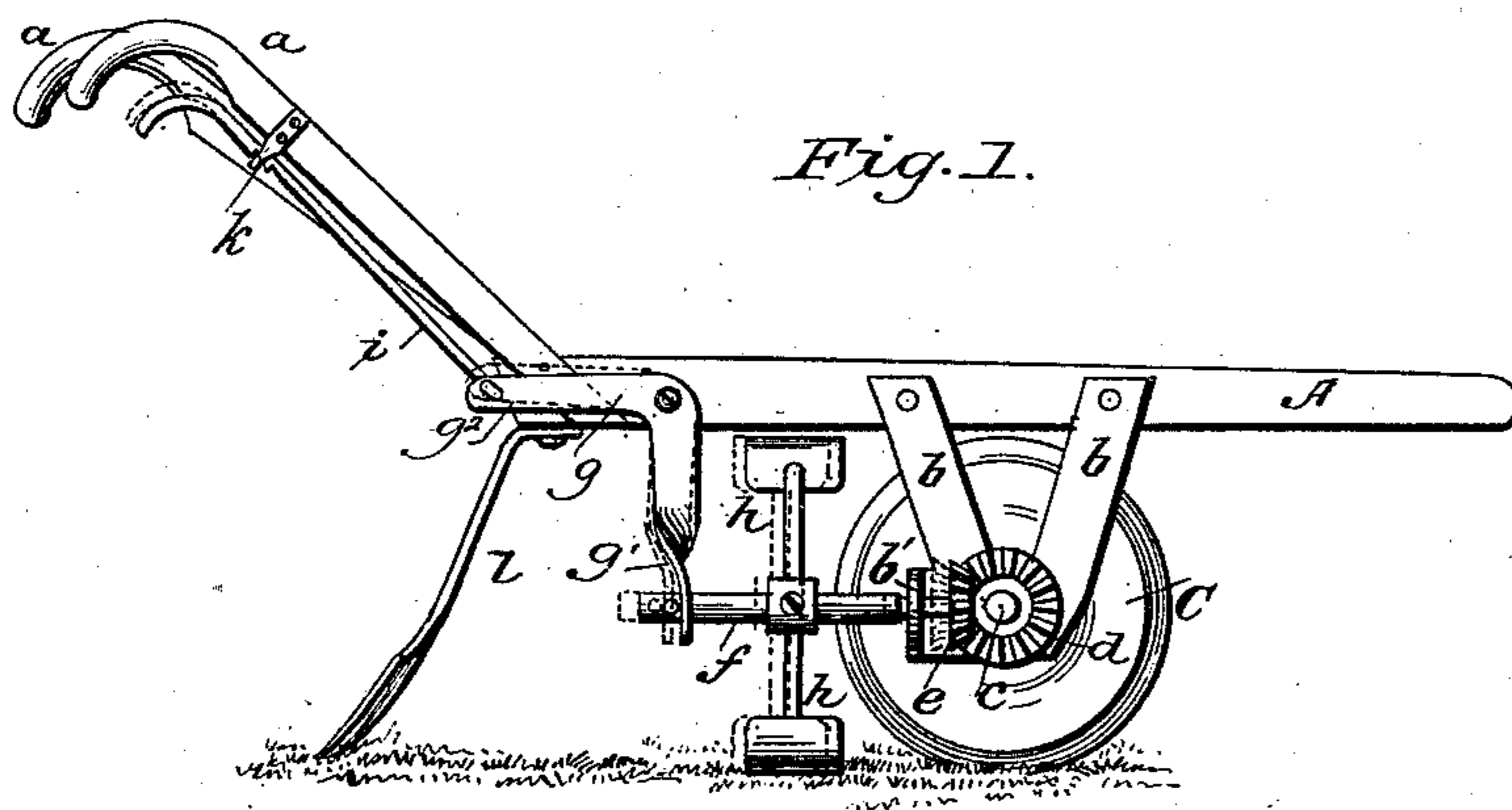


(No Model.)

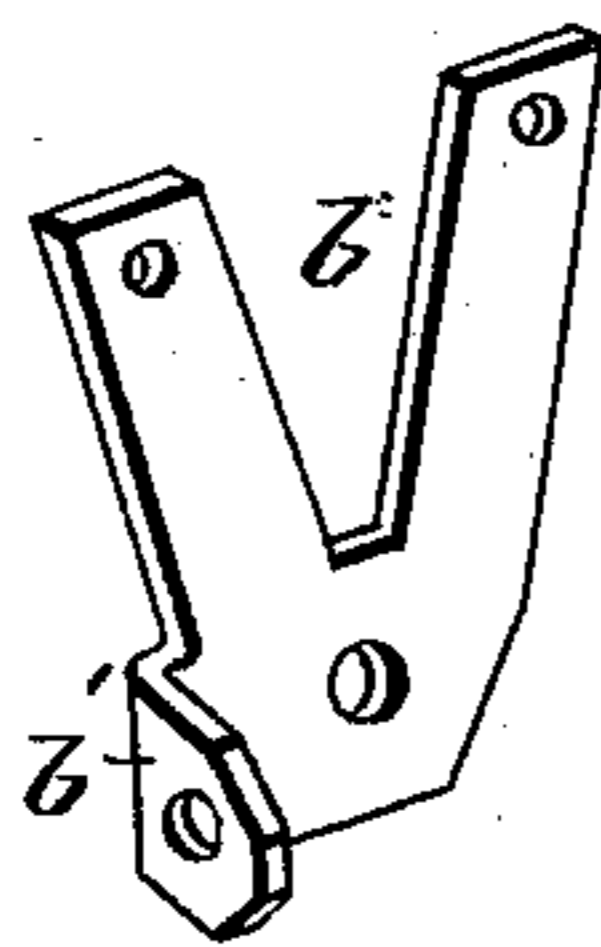
W. P. CLARK.  
COTTON CHOPPER.

No. 376,294.

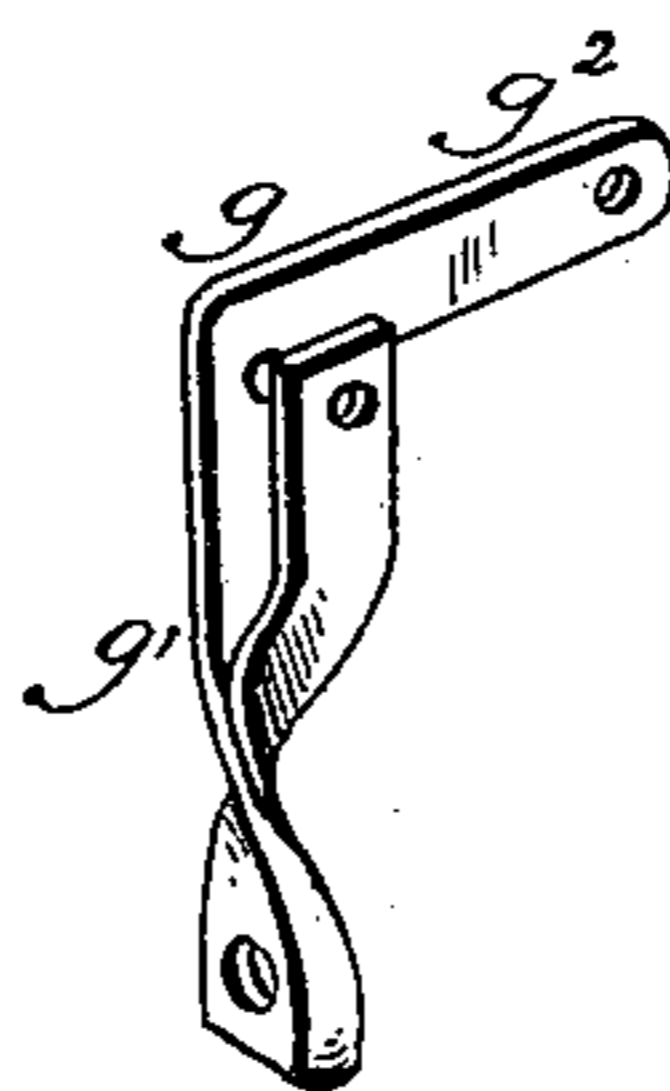
Patented Jan. 10, 1888.



*Fig. 2.*



*Fig. 3.*



WITNESSES:

Fred. G. Dieterich  
Chas. R. Wright

INVENTOR:

Ypm J. Clark

BY *Munn L*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WILLIAM P. CLARK, OF ELBERTON, GEORGIA.

## COTTON-CHOPPER.

SPECIFICATION forming part of Letters Patent No. 376,294, dated January 10, 1888.

Application filed November 4, 1887. Serial No. 254,267. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM P. CLARK, of Elberton, in the county of Elbert and State of Georgia, have invented a new and useful Improvement in Cotton-Choppers, of which the following is a specification.

My invention relates to improvements in cotton-choppers; and it consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Figure 1 is a side elevation of my improvement. Figs. 2 and 3 are perspective views of one of the hangers and pivoted bracket, respectively.

Similar letters of reference indicate corresponding parts in all the figures.

Referring to the drawings by letter, A represents the beam, and *a* the handles. To the sides of the beam A are secured the hangers *b*, in which the axle *c* of the wheel C is journaled. The axle *c* is provided at one end with a bevel gear-wheel, *d*, which meshes with the bevel gear-wheel *e* on the shaft *f*. The shaft *f* is journaled in the laterally-projecting arm *b'* on one of the hangers *b*, and in the downwardly-projecting and weighted arm *g'* of the bracket *g*, pivoted to the rear end of the beam A. On the shaft *f* are rigidly secured the cutters or knives *h*, so as to be revolved with said shaft. To the rearwardly-projecting arm *g'* of the bracket *g* is pivoted the lower end of the rod *i*, which extends up along one of the handles *a*, and is engaged by a catch, *k*, thereon, so that it will be held in the position to which it has been moved.

From the above-described construction it will be seen that as the wheel C revolves, the shaft *f* and its knives *h* will also be revolved. In order to throw the bevel gear-wheel *e* of the shaft *f* out of gear with the bevel gear-wheel *d* on the axle, and thus stop the shaft *f* without stopping the machine, the rod *i* is pulled upward, when the bracket *g* will be

turned upon its pivot, and the shaft *f* and its gear-wheel *e* moved endwise to the position shown in dotted lines, thereby throwing the said gear-wheels out of gear. When it is desired to start the shaft *f* and its knives *h*, it will only be necessary to disengage the rod *i* from the catch *k*, when the shaft *j* will be moved forward by the weighted arm *g'* of the bracket *g*, and the gear-wheel *e* made to mesh with the gear-wheel *d*.

It will be noticed that in order to permit of this endwise movement of the shaft *f*, the journals of the said shaft are elongated to permit them to slide in their bearings.

Plows *l*, for throwing soil to the plants, may be secured to the rear of the plow-beam A.

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

1. In a cotton-chopper, the combination, with a beam, a drive-wheel, and a bevel gear-wheel on the end of its axle, of an angular bracket pivoted to the rear end of the beam, a shaft having one end journaled in the said bracket and its other end in a fixed bearing, a bevel-wheel on one end of the shaft, knives or cutters on the said shaft, and means for turning the said bracket on its pivot to move the shaft longitudinally, as and for the purpose set forth.

2. In a cotton-chopper, the combination, with the beam A and the hangers *b*, one of which is provided with the arm *b'*, of the wheel C, the bevel gear-wheel *d* on the end of its axle, the bracket *g*, pivoted to the rear end of the beam, the shaft *j*, journaled in the arm *b'*, and bracket *g*, the knives *h* on the shaft *f*, the rod *i*, pivoted to the arm *g'* of the said bracket, and catch *k*, for engaging the rod, substantially as herein shown and described.

WILLIAM P. CLARK.

Witnesses:

W. C. YOUNG,  
JOHN P. SHANNON.