

(No Model.)

C. RODGERS.  
CULTIVATOR ATTACHMENT.

No. 600,175.

Patented Mar. 8, 1898.

Fig. 1.

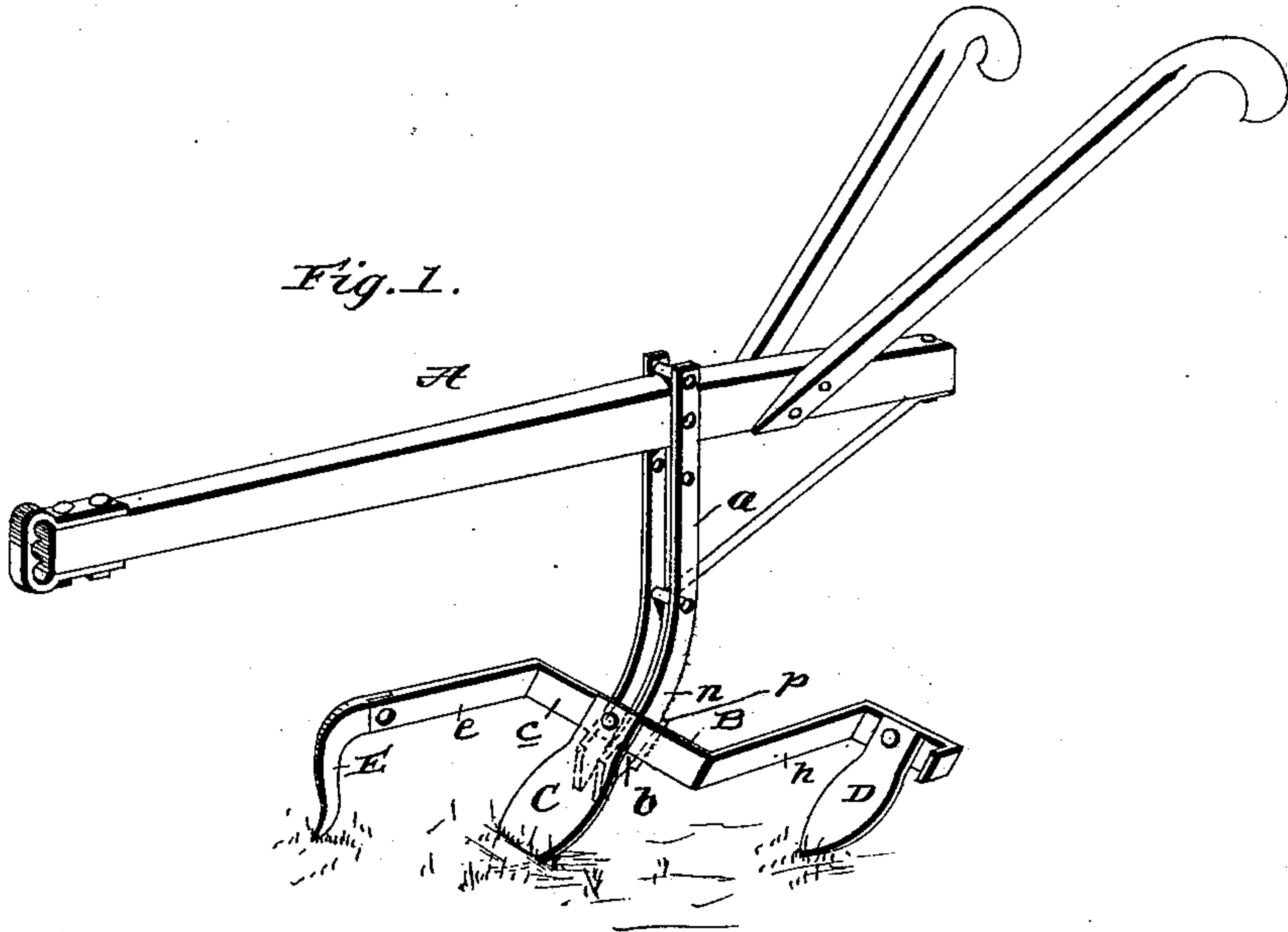


Fig. 2.

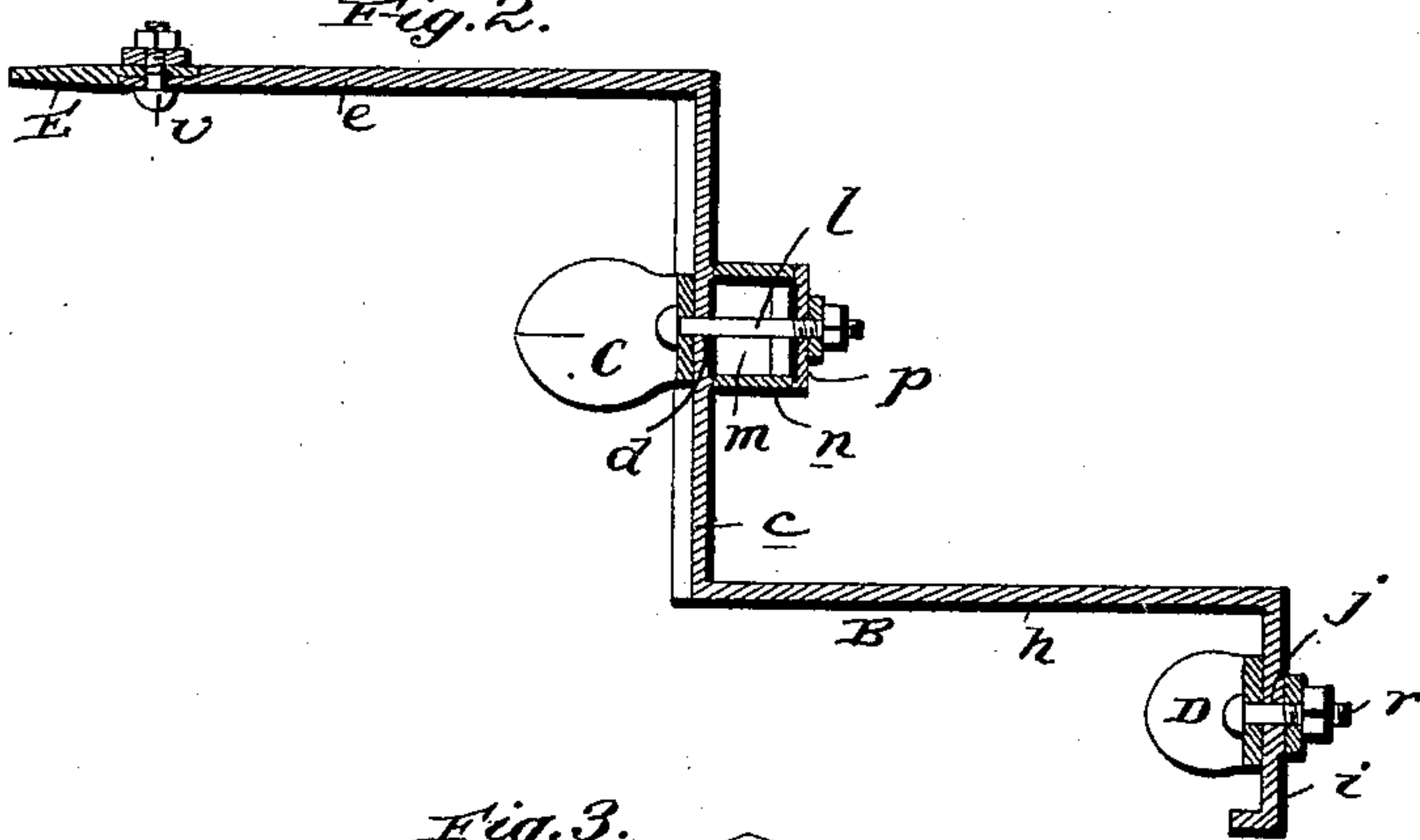
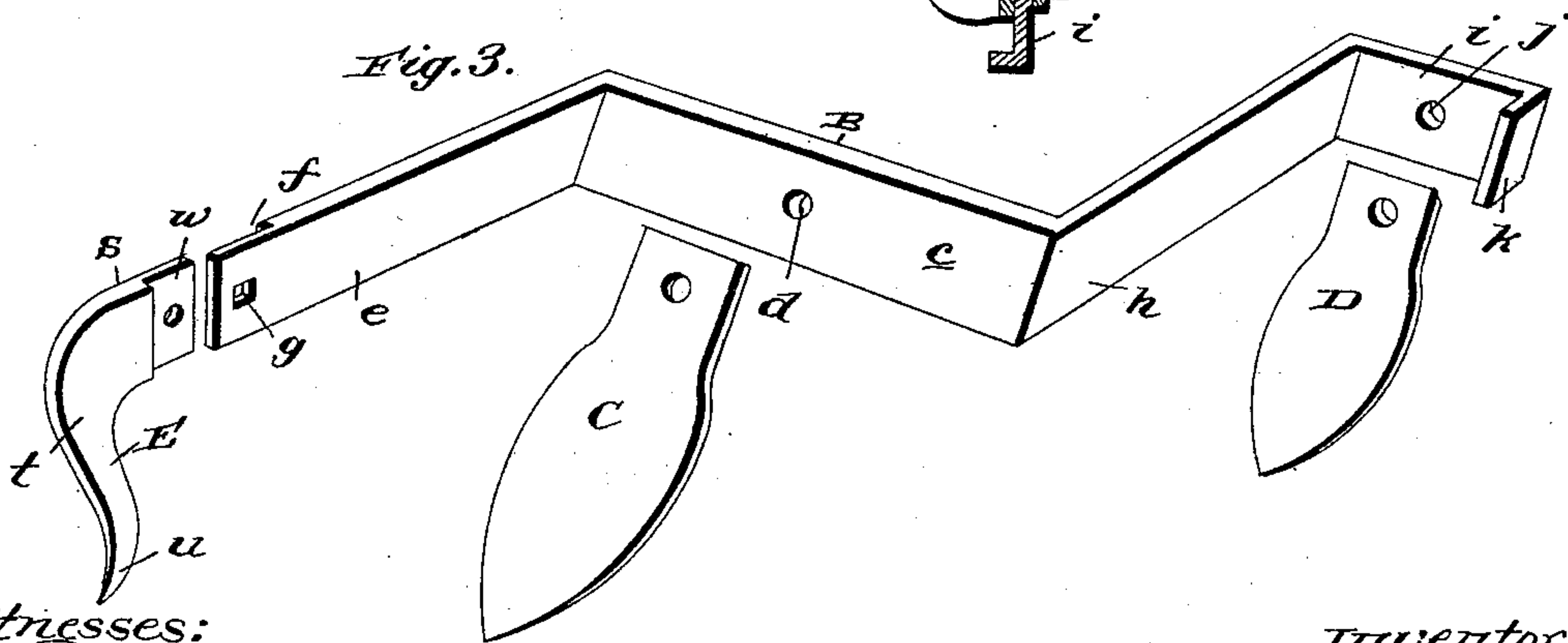


Fig. 3.



witnesses:  
C. Paeder  
J. S. Kerney

Inventor  
Commodore Rodgers  
By James P. Sheehy  
Attorney



# UNITED STATES PATENT OFFICE.

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ONE-HALF TO W. P. NESBIT, OF PIEDMONT, SOUTH CAROLINA.

## CULTIVATOR ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 600,175, dated March 8, 1898.

Application filed October 29, 1897. Serial No. 656,828. (No model.)

*To all whom it may concern:*

Be it known that I, COMMODORE RODGERS, a citizen of the United States, residing at Fairview, in the county of Greenville and State of South Carolina, have invented certain new and useful Improvements in Cultivator Attachments; and I do 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.

My invention relates to cultivators, and more especially to cotton-cultivators; and it contemplates the provision of an attachment which may be quickly and easily fastened to the foot of an ordinary plow-frame, thereby forming a highly-efficient cotton-cultivator and one which is especially adapted for cultivating young cotton.

With the foregoing ends in view the invention will be fully understood from the following description and claims when taken in conjunction with the annexed drawings, in which—

Figure 1 is a perspective view illustrating my improved attachment as connected to the foot of an ordinary plow-frame. Fig. 2 is an enlarged transverse section taken through the attachment and the foot of the plow-standard; and Fig. 3 comprises disconnected perspective views of the body, plow-points, and cutting-point of my improved attachment.

In the said drawings similar letters designate corresponding parts in all of the several views, referring to which—

A designates a plow-frame, which has a standard *a* of the type illustrated, terminating in a foot *b*, and may otherwise be of the construction common to ordinary plow-frames, and B designates the body of my improved attachment. This body B for the sake of cheapness is preferably formed in one piece, of wrought-iron, and it comprises the intermediate portion *c*, which has an aperture *d*, the arm *e*, which is disposed at right angles to and extends forwardly from the right-hand end of the intermediate portion *c* and preferably has its forward end rabbeted, as indicated by *f*, and apertured, as indicated by *g*, the intermediate portion *h*, which is disposed at right angles to the portion *c* and extends rearwardly from the left-hand end thereof, and

the lateral arm *i*, which extends from the rear end of the portion *h* and is provided with an aperture *j* and a forwardly-directed end flange *k*, as shown. The intermediate portion *c* of the body B is designed to rest against the face of the plow-foot *b* and be connected thereto by a bolt *l*, which takes through the aperture *d* of the body and the space *m* between the bars *n* of the foot *b*, and also through a plate *p* at the rear of bars *n*, and which bolt is provided with a nut, as shown. In addition to connecting the body B to the foot *b* the bolt *l* may be and preferably is employed to connect the plow-point C, as shown. The said point C is preferably of a greater length than the cutting-point and other plow-point, (presently described,) so as to enable it to extend deeper into the soil and steady the plow and thereby enable the plowman to more easily handle the same.

D designates a second plow-point, which is similar in construction to but of a less length than the point C and is designed to traverse a path at the side of that traversed by said point C. This plow-point D is designed to be detachably connected to the arm *i* of the body B by a bolt *r*, as shown.

E designates a cutting-point, which has the horizontal portion *s* and the downwardly-extending portion *t*, with the forward cutting edge and pointed end *u*, the purpose of said end being to hold the point in the ground and to its work. This point E is by preference detachably connected to the arm *e* of the body B by a bolt *v*, and it has its rear end rabbeted, as indicated by *w*, so as to fit the rabbeted end of the arm *e* and thereby hold the point against turning on the connecting-bolt. In virtue of this construction it will be seen that the point E is fixedly and strongly fastened to the body B and yet is adapted when worn or broken to be quickly and easily removed and replaced by a new point.

It will be seen from the foregoing that the cutting-point E and plow-points C D, by reason of their arrangement, are adapted to travel in parallel paths. It will also be seen that when the cultivator is drawn alongside a row of cotton-plants, with the point E contiguous to said row, the said point will thoroughly loosen the earth at the side of the plants, but will not throw it over and cover the plants.



The plow-point C, however, which travels in rear of the cutting-point E, will raise the earth and throw it over the path traversed by the point E, while the plow-point D, which travels in rear of the point C, will raise the earth and throw it into the furrow formed by the said point C. In this way it will be observed that the ground between the rows of cotton-plants may be thoroughly loosened without covering the plants with earth and without loosening the plants in the earth. This latter is due to the fact that in addition to loosening the earth closely adjacent to the plants the point E serves to prevent the furrow or break in the ground made by the point C from extending to the plants.

The cutting-point E and the plow-points C and D are made detachable, so that they may be replaced with new ones when worn or broken. They are also made detachable so that they may be replaced by larger points as the cotton-plants increase in size and a greater amount of cultivation is necessary.

When desirable, one bolt may be employed to connect the attachment-body B to the foot *b* and another bolt to connect the plow-point C directly with the foot *b*, although I prefer to employ the single bolt, as shown. I would also have it understood that the plow-point usually employed in conjunction with the plow-frame shown may be employed in my improvements in lieu of the point C.

It will be appreciated from the foregoing that while my improved attachment is very cheap and simple it enables a person to quickly and easily form a highly-efficient cotton-cultivator, and this without the employment of skilled labor or tools other than an ordinary nut-wrench.

Having described my invention, what I claim is—

1. In a cotton-cultivator, the combination of a frame having a standard and a foot; of an attachment connected with the foot and having plow-points arranged one in advance of the other in parallel vertical planes and an earth cutting and loosening point arranged in advance of the foremost plow-point and in a vertical plane at the side of that of said plow-point, substantially as specified.

2. An attachment for plows comprising a

body adapted to be connected with a plow-foot and provided with an earth cutting and loosening point, a plow-point connected to the body and arranged in rear of the cutting-point and in a vertical plane parallel to the body and arranged in rear of the first-named plow-point and in a vertical plane at the side of the same, substantially as specified.

3. In a cotton-cultivator, the combination of a frame having a standard and an apertured foot at the lower end of the standard; of an attachment connected with the foot and comprising a body having the apertured intermediate portion *c*, adapted to rest against the face of the foot, the arm extending forwardly from one end of the portion *c*, and having an earth cutting and loosening point at its forward end, and the portion *h*, extending rearwardly from the opposite end of the portion *c*, a plow-point, and a connecting-bolt extending through the plow-point and the apertures of the portion *c*, of the body and the foot, substantially as specified.

4. In a cotton-cultivator, the combination of a frame having a standard and an apertured foot at the lower end of the standard; of an attachment connected with the foot and comprising a body having the apertured intermediate portion *c*, adapted to rest against the face of the foot, the arm extending forwardly from one end of the portion *c*, and having an earth cutting and loosening point at its forward end, the portion *h*, extending rearwardly from the opposite end of the portion *c*, and the lateral arm *i*, extending at right angles from the rear end of the portion *h*, and having an aperture and also having a forwardly-directed flange at its outer end, a plow-point D, connected by a bolt with the arm *i*, of the body, a plow-point C, resting against the portion *c*, of the body, and a connecting-bolt extending through the plow-point C, the portion *c*, of the body, and the aperture in the plow-foot, substantially as specified.

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

COMMODORE RODGERS.

Witnesses:

W. H. BRITT,  
J. D. BURTON.