

No. 827,337.

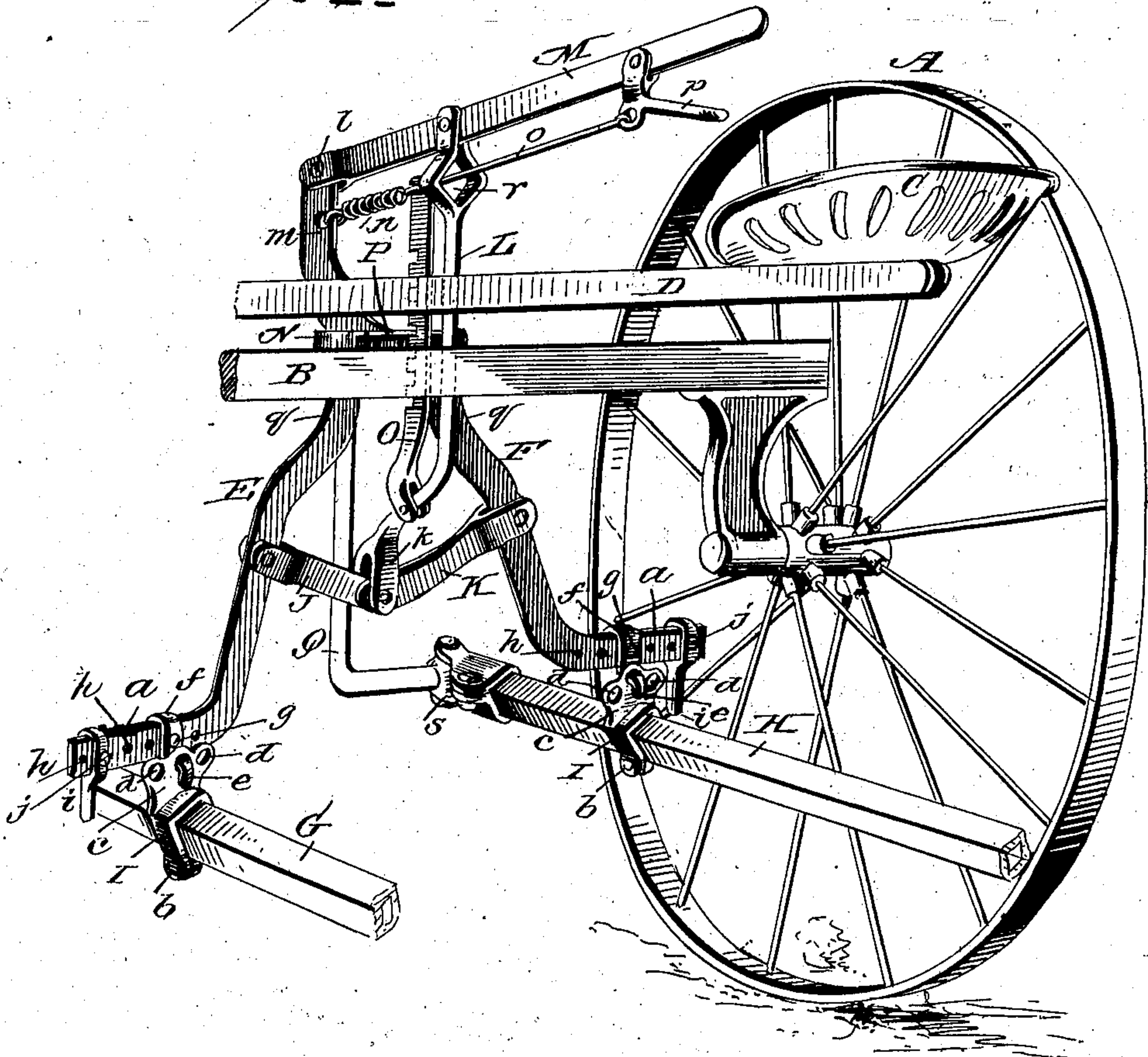
PATENTED JULY 31, 1906.

C. M. WEEMPE.
ATTACHMENT FOR CULTIVATORS.

APPLICATION FILED JUNE 18, 1906.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses
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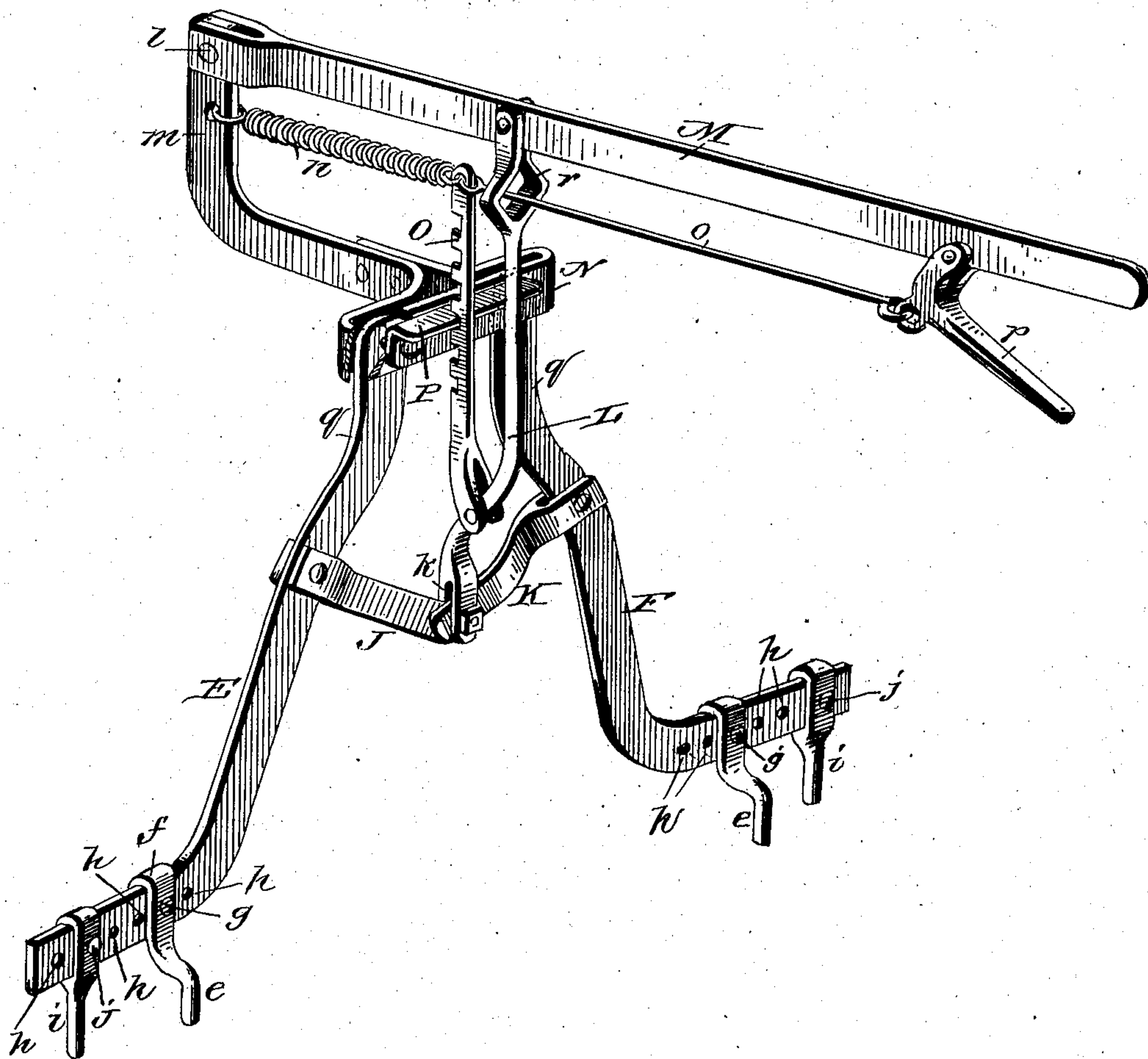
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2 SHEETS—SHEET 2.

Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES M. WEEMPE, OF MOUNT CALM, TEXAS, ASSIGNOR TO ELICK T. SHAFFER, OF MOUNT CALM, TEXAS.

ATTACHMENT FOR CULTIVATORS.

No. 827,337.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed June 18, 1906. Serial No. 322,213.

To all whom it may concern:

Be it known that I, CHARLES M. WEEMPE, a citizen of the United States, residing at Mount Calm, in the county of Hill and State of Texas, have invented certain new and useful Improvements in Attachments to Cultivators; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has reference to the arch-bar for cultivators; and the object thereof is to improve the construction in the several details as will insure a perfect action of the means employed for spreading the outer ends of the drag-bars carrying the plows, so as to increase or diminish the distance between them without stopping the team, as circumstances require, and with economy of time and labor.

The invention consists in an arch-bar for cultivators constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of my improved arch-bar, showing it applied to a cultivator, a portion of the cultivator only being shown; Fig. 2, a perspective view of the arch-bar, on an enlarged scale, and its connections.

In the accompanying drawings, A represents one of the wheels of a cultivator, B a portion of the frame to which the wheel is connected, and C the seat connected to the end of the beam D, all of which may be of the usual construction.

The arch-bar comprises two members or depending arms E F, having outwardly extensions *a* at their lower ends, and to these extensions are connected the ends of the drag-bars G H by means of yokes I, which embrace the ends of the drag-bars and secured thereto by means of bolts *b*. The yokes I have upwardly-extending plates *c*, with a plurality of perforations *d* therein, with which engage curved pins *e* upon clips *f*, adjustably secured to the extensions *a* of the arms E F by means of screws or bolts *g* entering one of a series of holes *h* in said extensions. The extensions *a* of the depending arms E F are provided with adjustable

stops *i* of any suitable construction secured to the extensions by means of the pins *j* engaging the perforations or holes *h*, which admit of the adjustability of said stops. The arms E F have toggle-levers J K pivoted thereto, the inner ends of said levers being pivoted together and to the bifurcated end *k* of a rod L, which extends up and is pivoted to an operating hand-lever M. The hand-lever M is pivoted at *l* to the upwardly-extending arm *m* of a bracket N, and to this bracket are pivoted the upper ends of the arms E F of the arch-bar.

A rack-bar O is pivotally connected to the rod L at its lower end and is adapted to engage with a keeper P of any suitable construction, the rack-bar and keeper when engaged holding the arms of the arch-bar in their adjusted position. The upper end of the rack-bar O connects with a coiled or other suitable spring *n*, which spring is connected to the arm *m* of the bracket, and a rod *o* connects the rack-bar with a thumb-lever *p*, said lever being suitably pivoted to the operating hand-lever M.

The arms E F of the arch-bar curve inward, as shown at *q*, and thence outward, so as to give the bars the greatest effectiveness when spread or contracted with the economy of space, and the outward extension of the arms at their lower ends with means for adjustably connecting the drag-bars thereto renders the attachment both simple and practical.

The means employed for operating the arms of the arch-bar may be variously modified or changed as circumstances require, and in the present instance I have shown the rod *o* extending through an eye or opening *r* at the upper end of the rod L, and, if desired, the end of the drag-bar H may be supported by a depending rod Q by the usual universal joint *s*, as found preferable.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

An arch-bar for cultivators consisting of a bracket having upwardly-extending arm, arms pivotally connected to the bracket and having outward extensions at their lower ends, clips adjustably connected to the extensions, the drag-bars, yokes adjustably connected thereto and having upwardly-ex-

tending plates with a series of holes with which hooks upon the clips engage and thereby provide three separate adjustments to change the position of the drag-bars, and
5 means for operating the pivoted arms and holding and releasing them, substantially as and for the purpose described.

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

CHARLES M. WEEMPE

Witnesses:

G. A. HARRIS,
J. H. MORGAN.