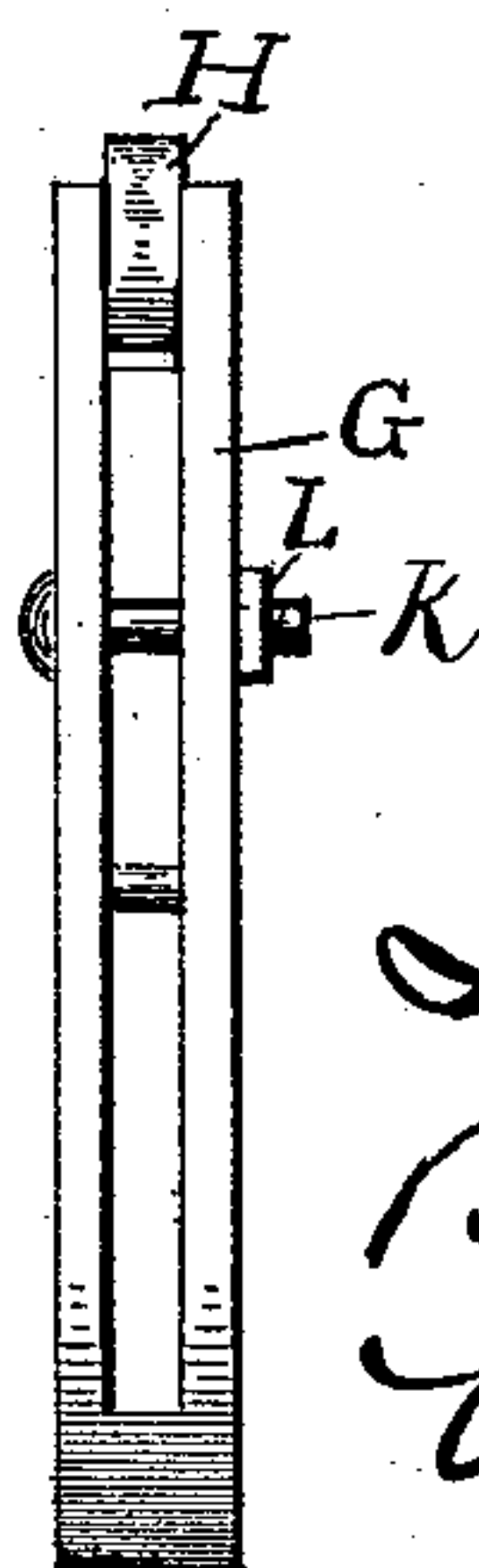
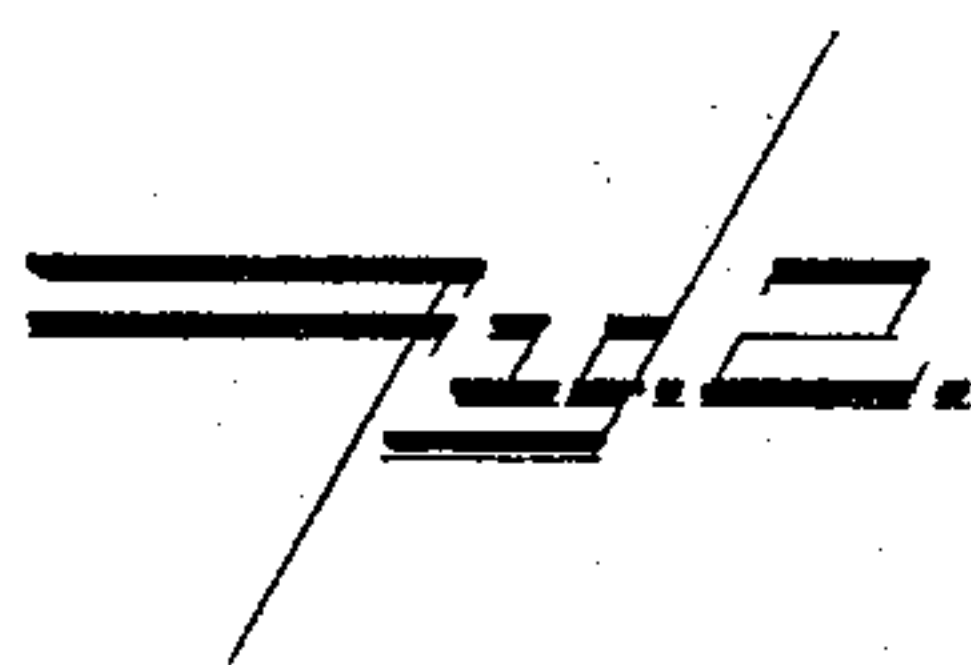
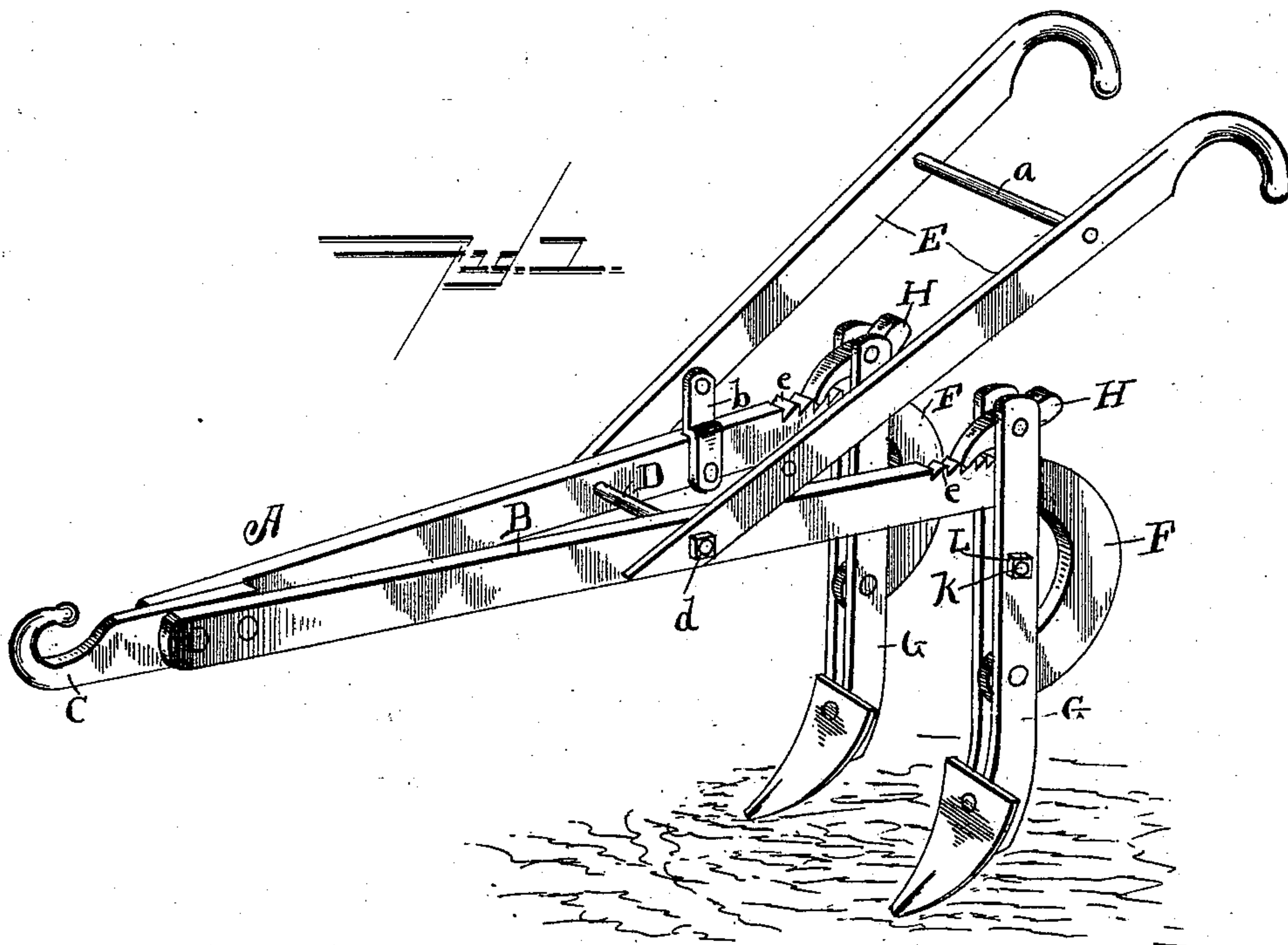


(No Model.)

L. E. PONTON.  
CULTIVATOR.

No. 472,813.

Patented Apr. 12, 1892.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

LEON E. PONTON, OF CORWIN, TEXAS.

## CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 472,813, dated April 12, 1892.

Application filed November 12, 1891. Serial No. 411,700. (No model.)

*To all whom it may concern:*

Be it known that I, LEON E. PONTON, a citizen of the United States, residing at Corwin, in the county of Burnett and State of Texas, have  
5 invented certain new and useful Improvements in Cultivators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable  
10 others skilled in the art to which it appertains to make and use the same.

My invention has relation to improvements in cultivators; and it consists in the peculiar construction, certain novel combinations, and the adaptation of parts hereinafter described  
15 and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved cultivator, and Fig. 2 is a front elevation of one depending foot removed.

20 Referring by letter to the said drawings, A indicates the beam of my improved cultivator, which comprises the forwardly-converging branches B, which are connected together at their forward ends and receive between them  
25 a clevis C, which may be of the ordinary or any approved construction. The forwardly-converging branches B of the beam A are also connected together at an intermediate point in their length by a transverse bolt D, the  
30 ends of which extend laterally from the beam branches and are designed to take through the lower ends of the handle-bars E, which are held thereon by suitable nuts d, as illustrated. These handle-bars E, which preferably  
35 diverge upwardly, as illustrated, are connected together at an intermediate point in their length by a transverse bar a and are braced adjacent to their lower ends by straps  
40 b, which have one end connected to the inside of the beam branches and their other end connected to the inside of the handle-bars, as shown.

The beam branches B, as illustrated in Fig. 1 of the drawings, merge at their rear ends  
45 into the downwardly and forwardly curved branches F, and the said beam branches are provided upon their upper edges adjacent to their rear ends with rearwardly-beveled rack-teeth e for a purpose presently to be described.

50 Pivotally connected to the ends of the downwardly and forwardly curved branches F of the beam branches and straddling the same

are the depending feet G of my improved cultivator, which respectively comprise the parallel branches formed integral or rigidly connected at their lower ends. Pivotally connected between the upper ends of the branches of the feet G are the gravitating pawls H, which are designed to engage the rack-teeth of the beam branches and fix the position of the  
55 feet with respect to the said beam branches, whereby the depth of the furrows made by the plows or teeth carried by the said feet may be readily regulated. Taking transversely through the parallel branches of the feet G,  
60 beneath and adjacent to the beam branches B, are transverse bolts K, which have their ends threaded to receive nuts L, through the medium of which the branches of the feet may be made to bind against the beam branches  
65 and by frictional contact serve to assist the gravitating pawls in holding the feet in their adjusted positions. These transverse bolts K, in addition to the function described, serve to limit the forward adjustment of the lower  
70 ends of the depending teeth by engaging the forward edge of the downwardly and forwardly curved branches of the beam branches.

By the construction described it will be readily perceived that the feet may be readily  
80 adjusted and fixed at various angles with respect to the beam branches, so that the plows or teeth carried by said feet will cut a deep or shallow furrow, as desirable.

By the provision of the peculiar construction of feet described it will be readily perceived that the plows or teeth may be readily and adjustably connected to the said feet.

Although I have specifically described the construction and relative arrangement of the  
90 several parts of my improved cultivator, yet I do not desire to be confined to such precise construction, as such modifications may be made as fairly fall within the scope of my invention.

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

In a cultivator substantially as described, the combination, with the beam consisting, essentially, of the forwardly-converging branches connected at their forward ends and having the downwardly and forwardly curved branches at their rear ends and rack-teeth on

their upper edge adjacent to their rear ends,  
of the feet comprising parallel branches piv-  
otally connected to the ends of the down-  
wardly and forwardly curved branches of the  
5 beam branches, the gravitating pawls pivoted  
between the upper ends of the feet branches  
and adapted to engage the rack-teeth of the  
beam branches, and transverse bolts connect-  
ing the feet branches at a point beneath and

adjacent to the beam, substantially as and 10  
for the purpose set forth.

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

LEON E. PONTON.

Witnesses:

J. E. PONTON,

S. A. D. STRUVE.