C. S. GWINNUP.

Cultivator.

No. 62,326. Patented Feb. 26, 1867.

Fig: 1.

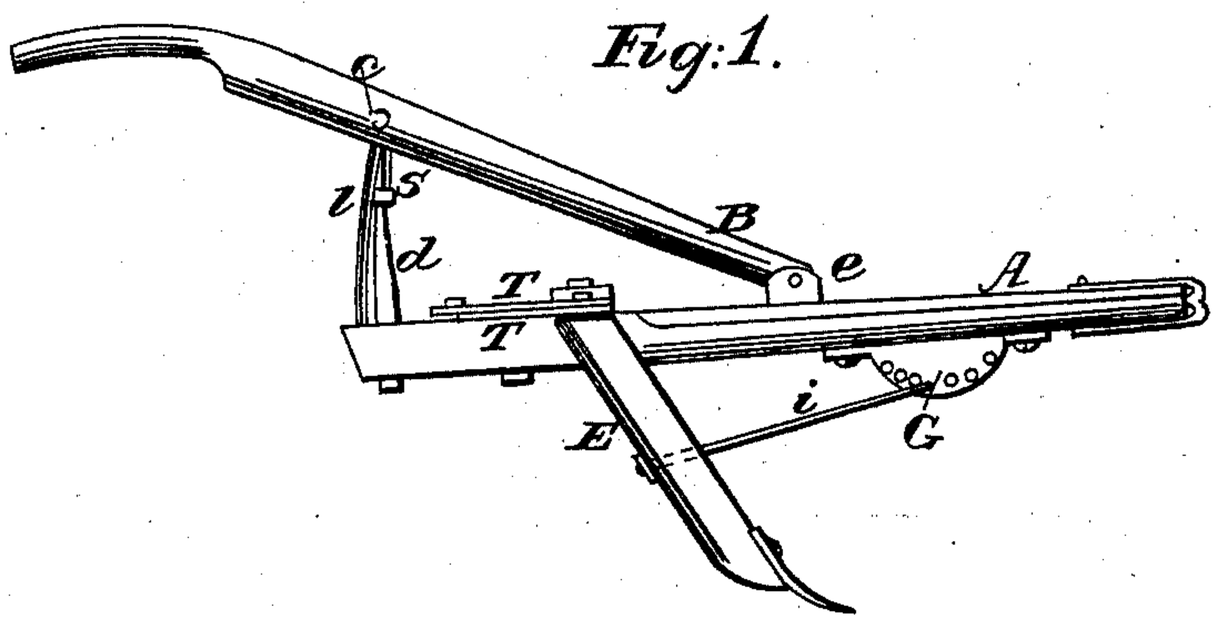
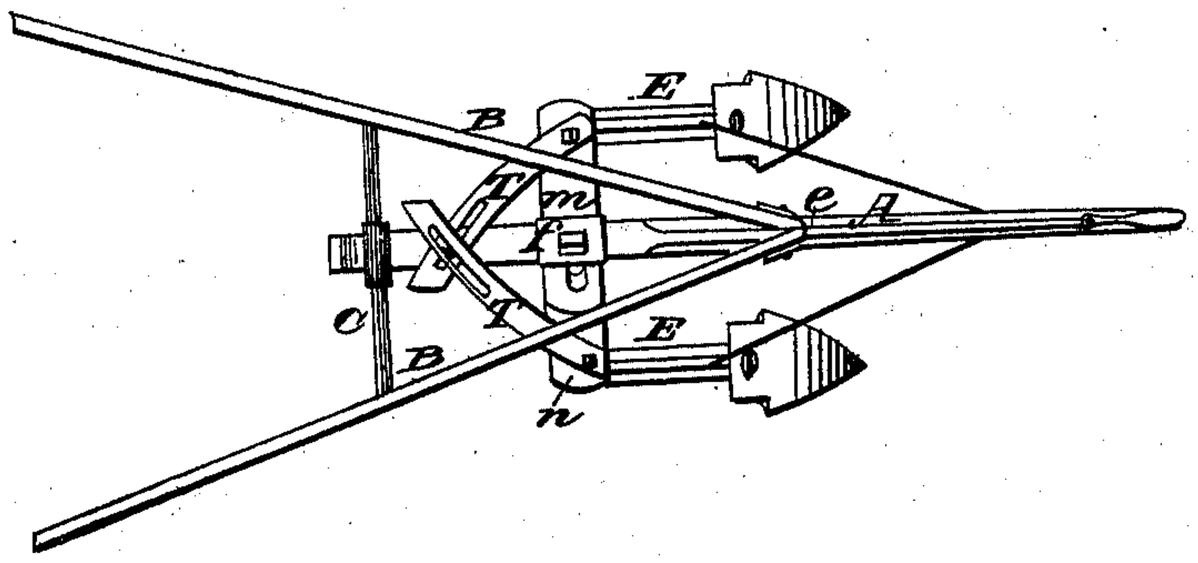


Fig. 2.



Witnesses.
A. A. Yeatman
F. Lehmann

Inventor
C. S. Gwinnup
per R. T. H. Alexander
Atty

United States Patent Office.

CHARLES S. GWINNUP, OF MILROY, INDIANA.

Letters Patent No. 62,326, *dated February* 26, 1867.

IMPROVEMENT IN CULTIVATORS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES S. GWINNUP, of Milroy, Rush county, Indiana, have invented certain new and useful Improvements in Cultivators; and I hereby declare that the following is a true, full, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the drawings annexed, which make a part of this specification—

Figure 1 represents a side view of my cultivator.

Figure 2 is a plan view of the same.

The letter A designates the beam of my cultivator, and B the handles. The handles B, at their lower ends, are embraced by the metal clasp *e*, which is fastened securely to the top of beam A. *c* represents the round or tie that holds the handles B at a proper distance apart. Connecting the rear end of beam A with tie *c*, is the stanchion *d*. The lower end of the stanchion *d* is mortised into the end of beam A, and the upper end fastened to tie *c* by means of the metal strap S, which, at its upper end, embraces the tie *c*, and is confined to stanchion *d* by a clasp, *t*, which has a screw passing through it, and through a slot cut in strap S. By means of this device it will be seen that the handles of the cultivator can be raised or lowered at the pleasure of the plowman. E represents the standards, to which the shovels are attached. The standards E are fastened together at top by two metal plates *m* and *n*, which lap each other and pass under the clasp *f*. The plates *m* and *n* can be adjusted by means of a screw which passes through oblong slots cut in them, and the standards to which *m* and *n* are fastened can be removed further apart, or brought nearer together, at pleasure. In order to hold the standards E more firmly in position at top, the two additional metal plates T are provided. Each of plates forms a segment of a circle with oblong slots cut in them, and are fastened at their outer ends to the top of the standards E. Plates T lap each other and have a screw passing through their slots into the beam of the plough. The curvature of the slots allows the standards to be adjusted as above described. G represents a metal plate fastened edgewise to the bottom of beam A. There are a number of holes in G, into any one of which a hook on the end of a rod, I, can be inserted, the opposite end of rods I being made to pass through beams E. These rods answer the double purpose of holding the standards firmly in position, and serve to shift the standards nearer or further from the beam, by removing the hooks on the rods I from one hole to another. It will be seen, in the devices described above, that both the handles and standards of my cultivator are adjustable.

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

1. The stanchion *d*, constructed and operating as and for the purpose herein set forth.

2. The standards E, in combination with plate G, rods I, plates *m* and *n*, and curved plate T, the whole constructed, arranged, and operating in the manner and for the purpose herein specified.

In testimony that I claim the foregoing as my own, I hereby affix my signature in the presence of two witnesses.

C. S. GWINNUP.

Witnesses:

THOMAS POWELL,

DAVID F. SMITH.