

(No Model.)

J. G. GRIFFIN.
CULTIVATOR.

No. 494,985.

Patented Apr. 4, 1893.

Fig. 1.

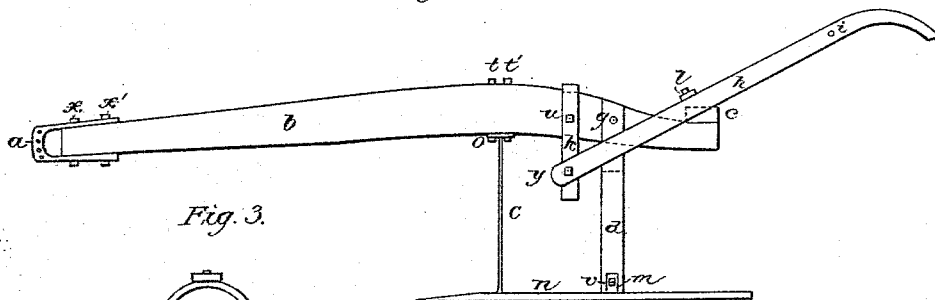


Fig. 3.

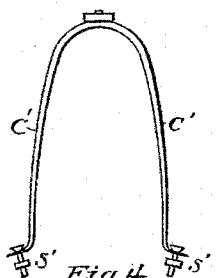


Fig. 4.

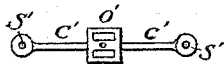


Fig. 2.

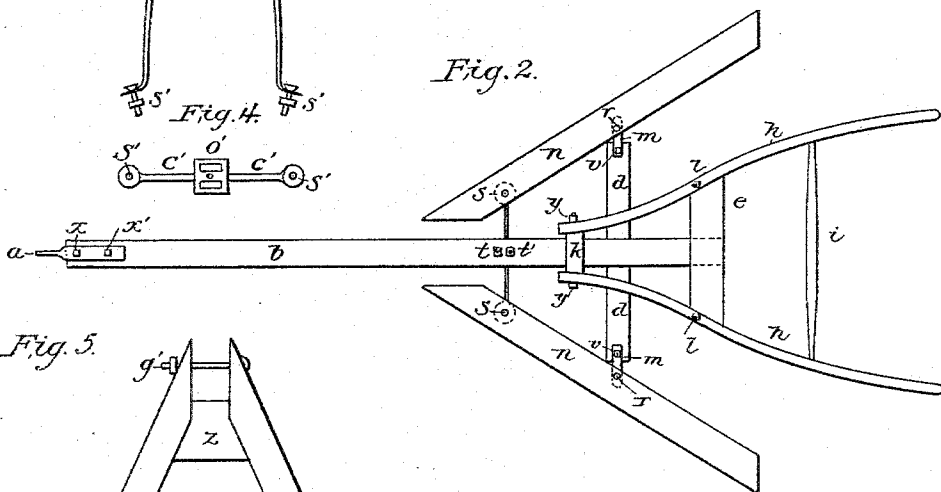
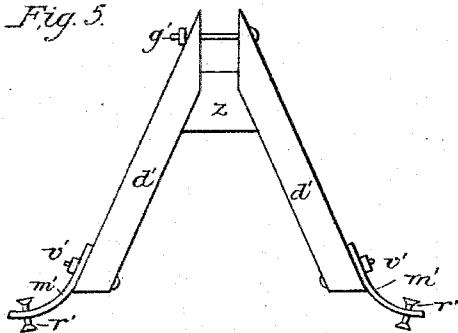


Fig. 5.



Witnesses:

Libbert Stewart
G. H. Smith

Inventor:

John G. Griffin

UNITED STATES PATENT OFFICE.

JOHN G. GRIFFIN, OF MAPLE HILL, KANSAS.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 494,985, dated April 4, 1893.

Application filed November 15, 1892. Serial No. 452,106. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. GRIFFIN, a citizen of the United States, residing at Maple Hill, in the county of Wabaunsee and State of Kansas, have invented certain new and useful Improvements in the Cultivation and Raising of Listed Corn; and I do hereby declare that the following is a full, clear, and exact description.

10 In the drawings Figure 1 is the left side view of the listed corn weed cutter and cultivator. Fig. 2 is a plan view. Figs. 3, 4 and 5, are details.

Letter (a) is the clevis on the beam end.

15 (b) is the beam.

(c) is the iron arch that fastens the knives to the beam.

(d) is the wooden brace that holds the rear end of the knives to the beam.

20 (e) is a block bolted on the beam to hold the handles.

(g) is a bolt which fastens the wooden brace to the beam.

h h are the handles.

25 (i) is the wooden rod between the handles.

(k) is an iron band that goes over the beam and is bolted to the end of the handles.

(l) is the bolt that goes through the handles and block which is fastened to the rear end of the beam.

30 (m) is a bent iron that fastens the knives to the wooden brace.

n. n. are the knives.

35 (o) is the loop that fastens the arch on the under side of the beam.

(r) is the rear bolt in the knives.

(s) is the front bolt.

(t t) are the two bolts that fasten the loop that holds the arch to the beam.

(u) is the bolt that holds the iron band to the beam that the front end of the handles are fastened to.

(v) is the bolt that holds the bent iron at lower end of the wooden brace.

(x x) are the bolts that hold the clevis on the end of the beam.

I claim—

1. A combination weed cutter and listed cultivator having a plow beam and handles an arch c standards or braces d knives n arranged at the front to straddle the row and diverging to the rear, and the angle iron securing the knives in a horizontal plane to the foot of the standards substantially as shown and described.

2. In combination with a plow beam and handles the separate horizontal knives n the arch c secured to the beam and to forward ends of the knives, the standards d bolted to the beam and connected by angle irons to the rear part of the knives, the cross bar e and U shaped handle support substantially as shown and described.

JOHN G. GRIFFIN.

Witnesses:

GILBERT STEWART,
GEO. H. SMITH.