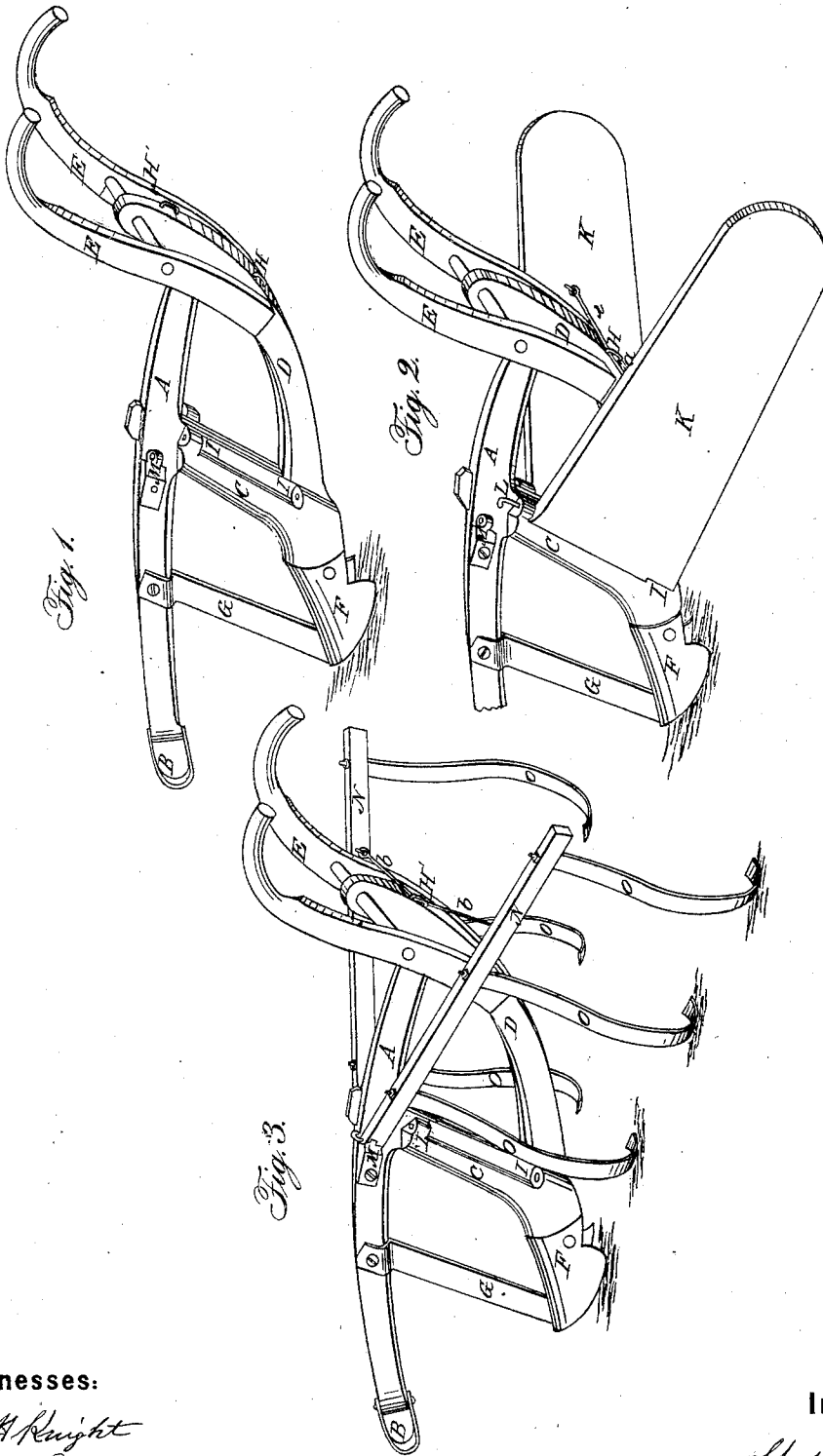


T. MURPHEY.

Cultivator.

No. 27.144.

Patented Feb. 14. 1860.



Witnesses:

Geo H Knight
Alvin Millward

Inventor:

Thos Murphey

UNITED STATES PATENT OFFICE.

THOMAS MURPHEY, OF CINCINNATI, OHIO.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. 27,144, dated February 14, 1860.

To all whom it may concern:

Be it known that I, THOMAS MURPHEY, of Cincinnati, Hamilton county, Ohio, have invented certain new and useful Improvements in Convertible Cultivators; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, and in which—

Figure 1 is a perspective view of the frame, showing the fixed hinged sockets. It is used, as represented in this figure, as a scoring-plow. Fig. 2 represents the implement with adjustable mold-boards attached, as used in hilling. Fig. 3 is a representation of the implement as a weeder or cultivator, the adjustable cultivator-frames being attached, as shown.

A is the beam, provided with a clevis, B, by which it is drawn. It is mortised to the standard C, and both have connection with the bracing-standard D, to which the handles E E are connected, as shown.

F is a common shovel-plowshare, connected to the standard C and braced to beam A by G.

H H' are staples through which the adjusting-rods of the mold-boards and cultivator-frames respectively pass for fastening.

I are the permanent hinge-sockets, to which the mold-boards K K are connected by means of pins L.

M are fixed sockets in which the adjustable cultivator-frames N N work, as shown.

O O are the cultivator-blades.

a a are the rods by which the mold-boards are adjusted. They are secured, when in position, by nuts on each side of the staple H.

b b are rods by which the cultivator-frames are adjusted in the staples H in a similar manner to those of the mold-boards.

I claim as new and of my invention herein and desire to secure by Letters Patent—

The described arrangement of the plow-frame A C D E F, detachable mold-boards K, and detachable cultivator-frames N O, the whole being constructed and operating in the manner and for the several purposes set forth.

In testimony of which invention I hereunto set my hand.

THOS. MURPHEY.

Witnesses:

GEO. H. KNIGHT,
FRANCIS MILLWARD.