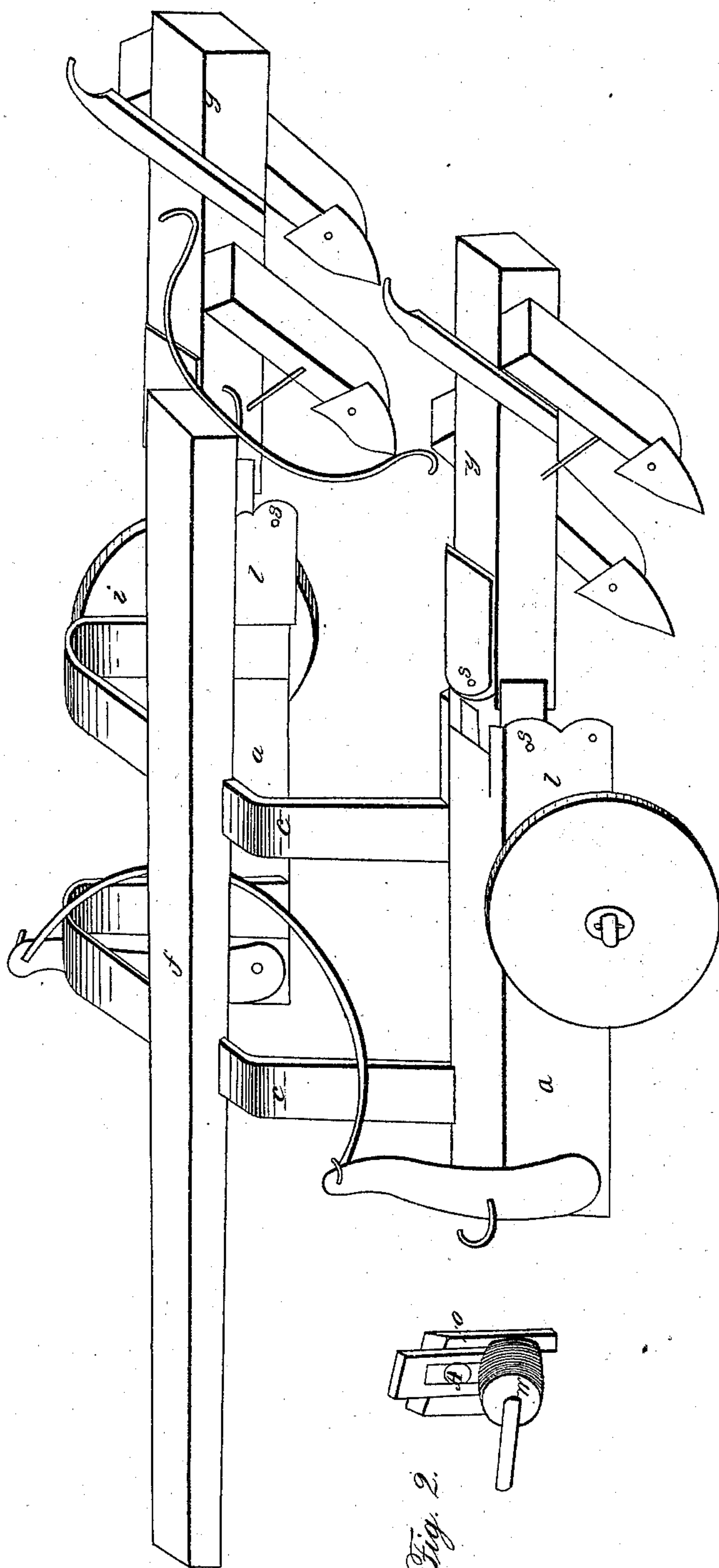


E. NEWLON.  
Wheel-Cultivator.

No. 68,104

Patented Aug. 27, 1867



Witnesses:

*G. S. Graham*  
*W. B. Richards*

Inventor:

*Edward Newlon*

United States Patent Office.

EDWARD NEWLON, OF MONMOUTH, ILLINOIS.

*Letters Patent No. 68,104, dated August 27, 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, EDWARD NEWLON, of Monmouth, in the county of Warren, and State of Illinois, have invented a new and useful Machine for the Cultivation of Plants in Rows, to be styled a Double Cultivator; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view, and

Figure 2 a sectional drawing of the axle and arrangement for attaching the wheels to the frame.

*a a* are side pieces of the frame, fastened together by the iron arches *c c*, the tongue *f* being bolted fast to the arches *c c*, thus forming a strong and durable frame. The wheels *i i* are attached to the frame pieces *a a*, so as to be moved up and down, as shown at fig. 2, *a* being a piece or block, with a groove into which the axle *m* fits, and is secured by the bolt *r*. *e e* are double-acting joints moving on pivots *s s*, so as to allow the ploughs *y y* to be moved freely up and down, or from side to side.

What I claim as my invention, and desire to secure by Letters Patent, is—

The vertical adjustment of beams *y y*, in combination with the frame, constructed as described for the purpose set forth, in connection with the mode of attaching the draught.

EDWARD NEWLON.

Witnesses:

W. B. RICHARDS,

D. H. MILLS.