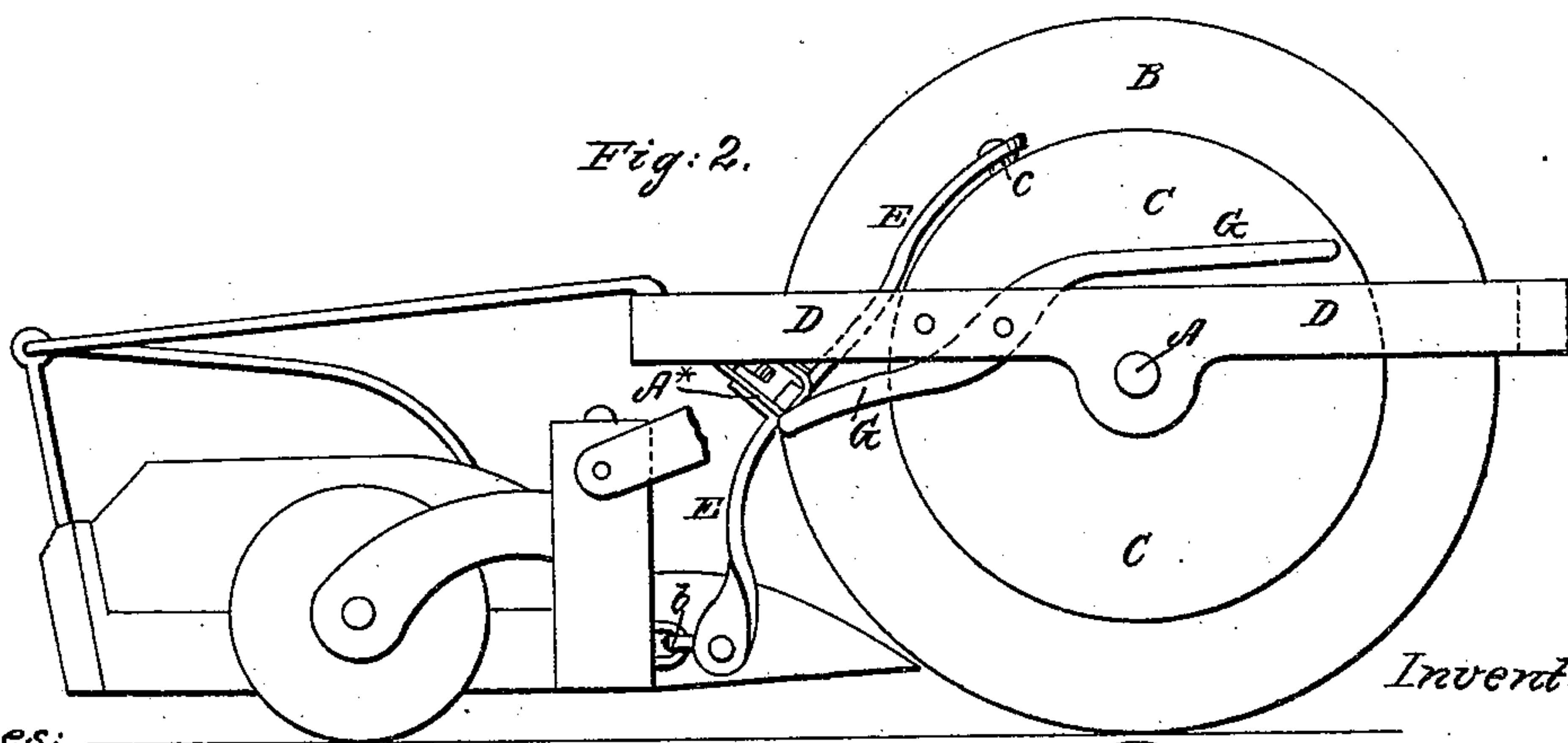
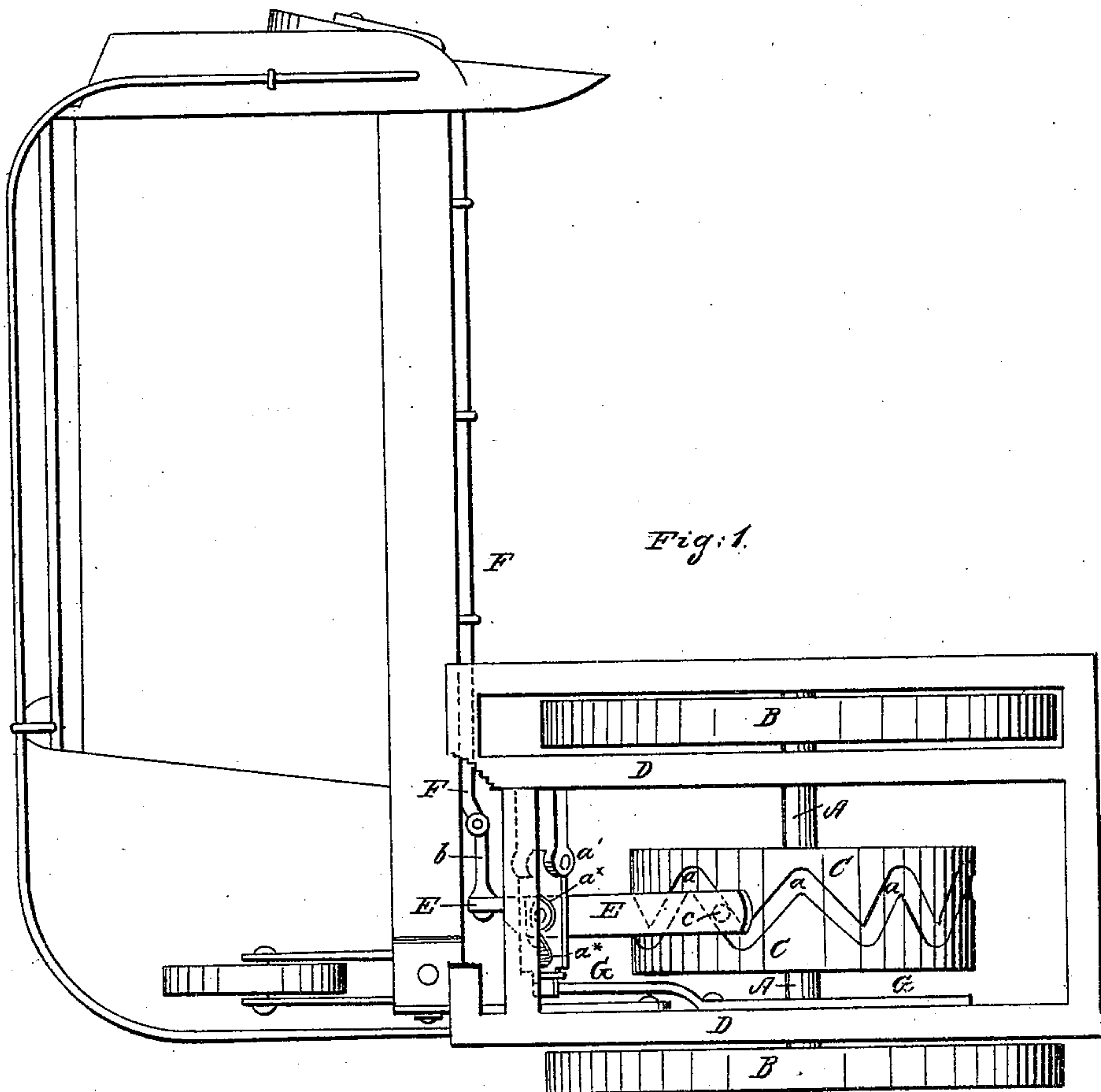


E. W. FAIRMAN.

Harvester.

No. 75,401.

Patented March 10, 1868.



Witnesses:

McComby.  
Heller,

per Brown Combs & Co. Attys.

Inventor:

E. W. Fairman

# United States Patent Office.

E. W. FAIRMAN, OF ORFORDVILLE, WISCONSIN.

*Letters Patent No. 75,401, dated March 10, 1868.*

## IMPROVEMENT IN HARVESTERS.

*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, E. W. FAIRMAN, of Orfordville, in the county of Rock, and State of Wisconsin, have invented a new and useful Improvement in Harvesters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a plan view of a harvester constructed according to my invention.

Figure 2 is a vertical longitudinal section of the same.

Similar letters of reference indicate corresponding parts in both figures.

The object of this invention is to enable the crank and gearing ordinarily employed for driving the sickles of harvesters to be dispensed with, and to secure the same movement of such sickle by simpler means; and furthermore, to allow the ready and immediate stopping of the sickle, when desired, without interfering with the progressive motion of the machine.

The invention consists in a cam-wheel secured to the axle of the machine, a lever connecting the same with the sickle, and a lever-bar and plate designed to bring the aforesaid lever to or from the cam-wheel, as may be required, the said parts being so arranged as to effectually secure the desired result.

To enable others to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

The driving-axle of the machine is shown at A, and is furnished with the two driving and supporting-wheels B, which may be connected therewith by pawls and ratchets, if desired, to facilitate the turning of the machine. Secured upon the driving-axle A is a cam-wheel, C, in the broad face or periphery of which is formed a zigzag or cam-groove, *a*. A\* indicates a plate hinged or pivoted, as shown at *a'*, at one end to the pivoted forward part of a horizontal frame, D, which is attached to the axle in any suitable manner. A lever, E, is pivoted to this plate, as shown at *a×*, with its lower end connected by a rod, *b*, with the vibrating sickle F, and the upper end of which is provided with a spur or stud, *c*, which, when the machine is in operation fits into the groove *a*, of the cam-wheel C, in such manner that the said wheel, by vibrating the lever E, will communicate the requisite reciprocating movement to the sickle F as the machine is drawn along. Pivoted at one side of the frame D is a lever-bar, G, the forward end of which extends underneath the plate A\*, in such manner that, by pressing downward the rear end of the said lever-bar, the plate A\*, and consequently the lever E, may be raised upward, thus bringing the spur or stud *c* out of the groove *a* of the cam-wheel C, thus stopping the movement of the lever E, and, of course, that of the sickle F, while the forward movement of the machine may be continued.

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

The hinged or pivoted plate A\*, combined with the lever E, cam-wheel C, and lever G, arranged and operating substantially as and for the purpose specified.

Witnesses:

BURR SPRAGUE,  
T. H. MINARD.

E. W. FAIRMAN.