

F. N. CARTER.
SAWING-MACHINE.

No. 173,714.

Patented Feb. 22, 1876.

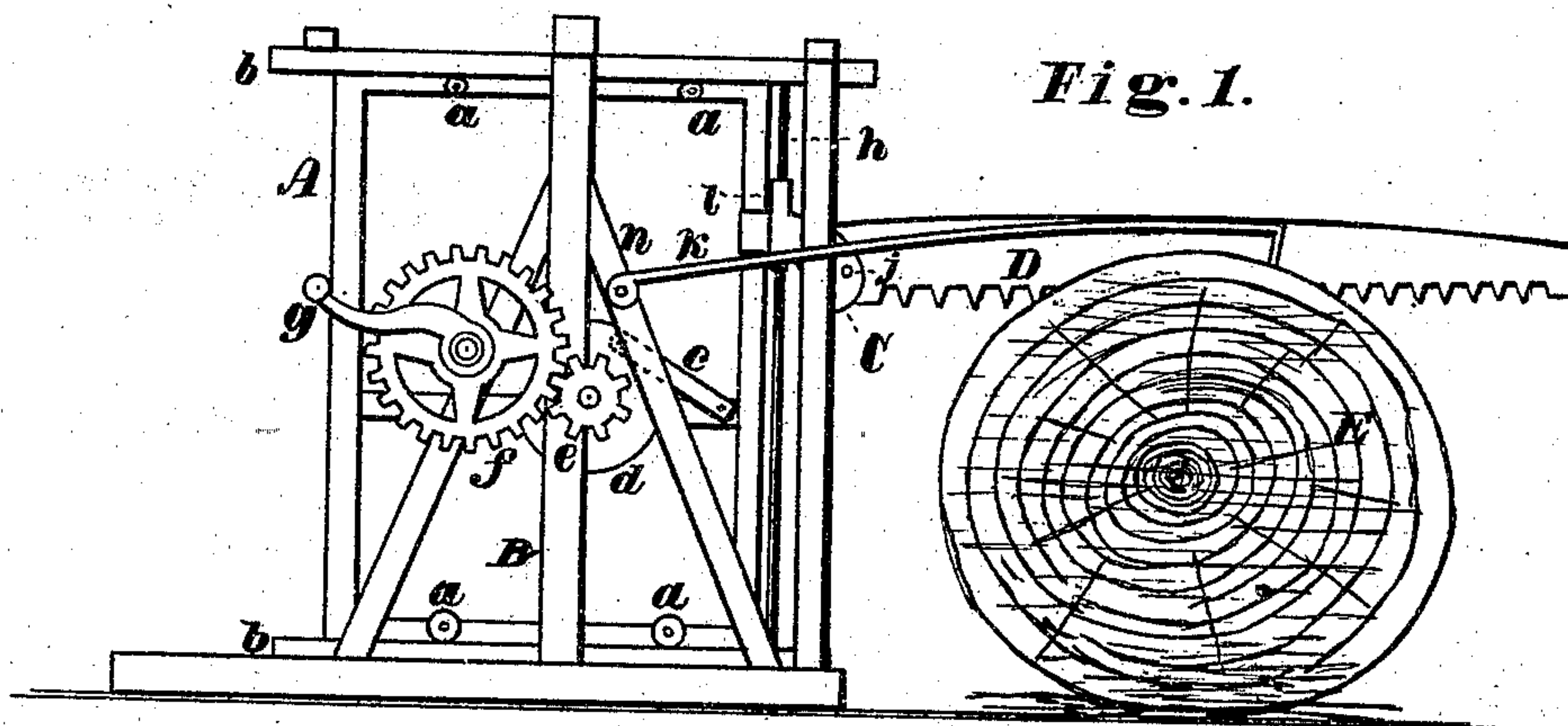
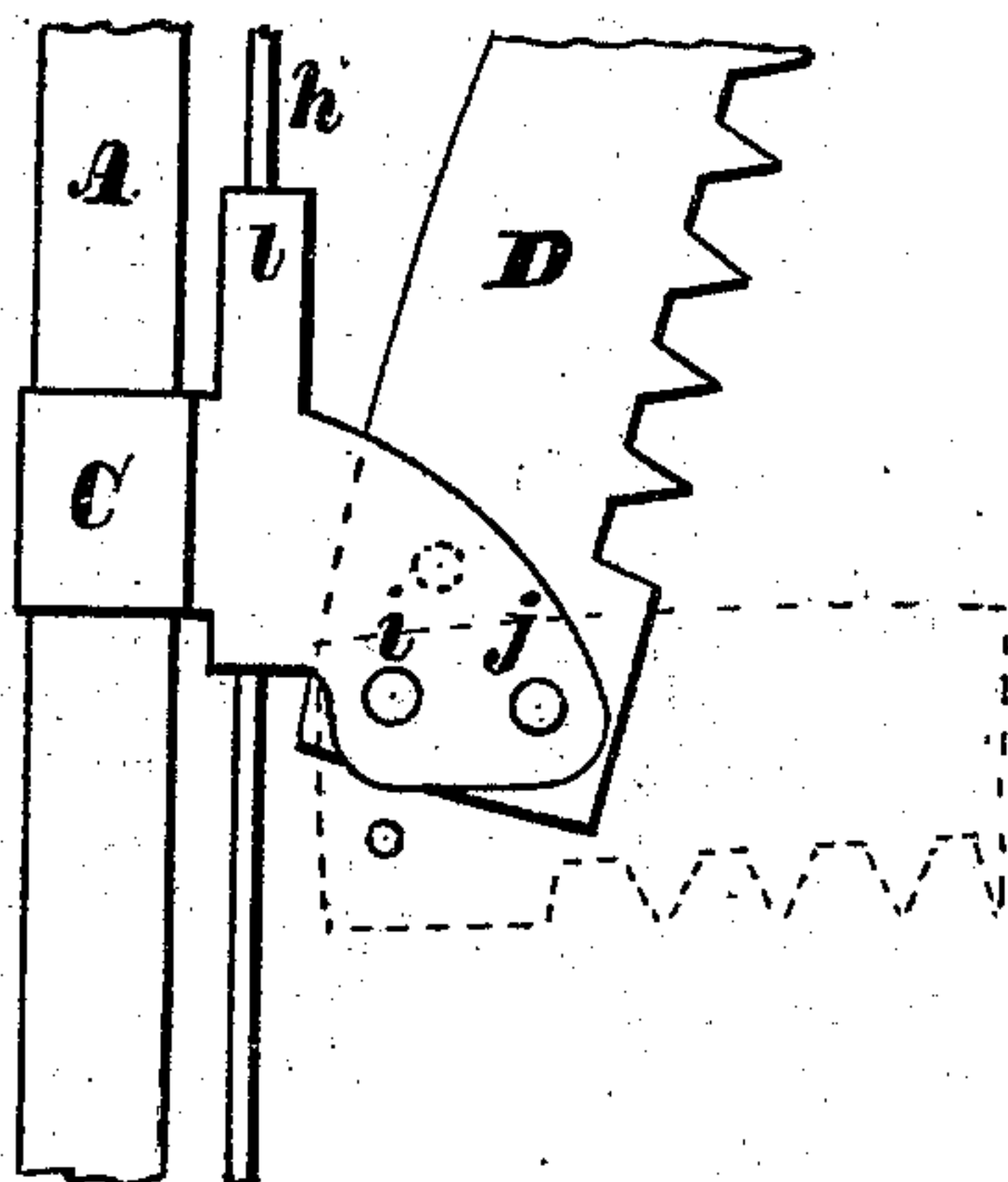


Fig. 2.



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UNITED STATES PATENT OFFICE.

FLOYED N. CARTER, OF MAROA TOWNSHIP, MACON COUNTY, ILLINOIS.

IMPROVEMENT IN SAWING-MACHINES.

Specification forming part of Letters Patent No. 173,714, dated February 22, 1876; application filed January 4, 1876.

To all whom it may concern:

Be it known that I, FLOYED N. CARTER, of Maroa township, in the county of Macon and State of Illinois, (post-office address Maroa, Illinois,) have invented a new and useful Improvement in Sawing-Machines, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to construct a portable sawing-machine to which a cross-cut saw is attached, and capable of being operated by one person. This I accomplish by a rectangular frame, with pulleys at top and bottom; the frame operated by a crank and gearing; the saw-hanger sliding on said rectangular frame, and a guide-rod attached thereto; the saw so hung as to come nearly to the ground, falling by its own weight; the saw hinged to the sliding hanger so that it can be turned up out of the way; suitable dogs attached to the frame, so as to secure the log.

Figure 1 is a side elevation of a machine embodying my invention, and Fig. 2 is a plan of sliding hanger.

A is a rectangular frame sliding in the main frame B of the machine. This frame A has pulleys *a a a a* at top and bottom, running on the frame-work *b b*. The rectangular frame is

operated through the medium of the link *c*, pivoted on said rectangular frame and on the disk *d*. The disk is operated by the gear-wheels *e f* and the crank *g*. C is a hanger sliding on the front upright of the rectangular frame, the hanger being further guided by the upright piece *l* sliding on the rod *h*. This rod is attached to the rectangular frame at the top and bottom of the same. The saw D is secured in the hanger and pivoted on the pin *i*. The pin *i* can be removed, and the saw turned up and secured, as shown in Fig. 2, the saw provided with two holes for securing it in a horizontal or vertical position. *k k* are dogs pivoted to the braces *n n* of the main frame, and by which the log E is secured and held to the frame.

I claim as my invention—

1. The combination of the rectangular frame A, guide-rod *h*, hanger C, and saw D, as shown and described.

2. The combination of the hanger C with the saw D, pivoted at *i*, and so arranged as to be secured in a horizontal or vertical position, shown and described.

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Witnesses:

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