

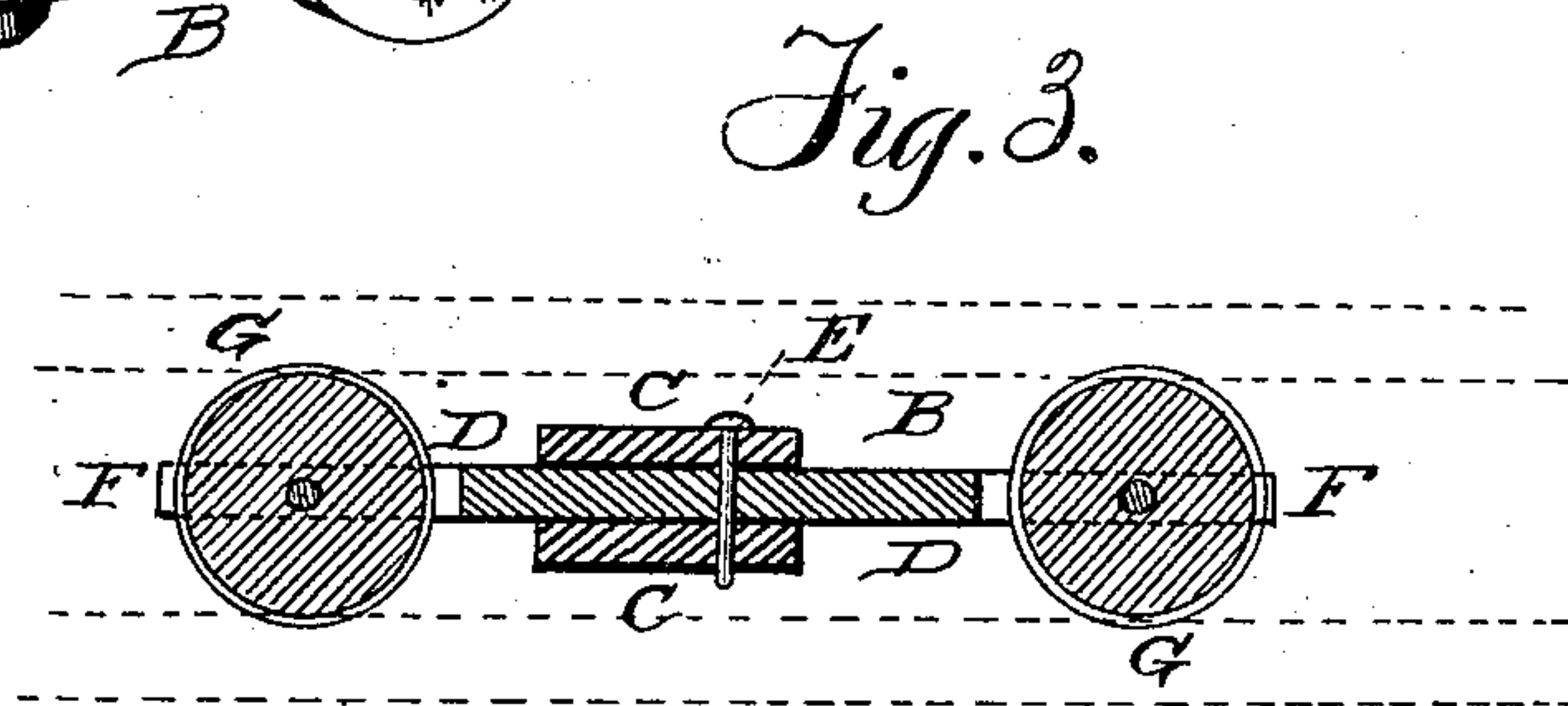
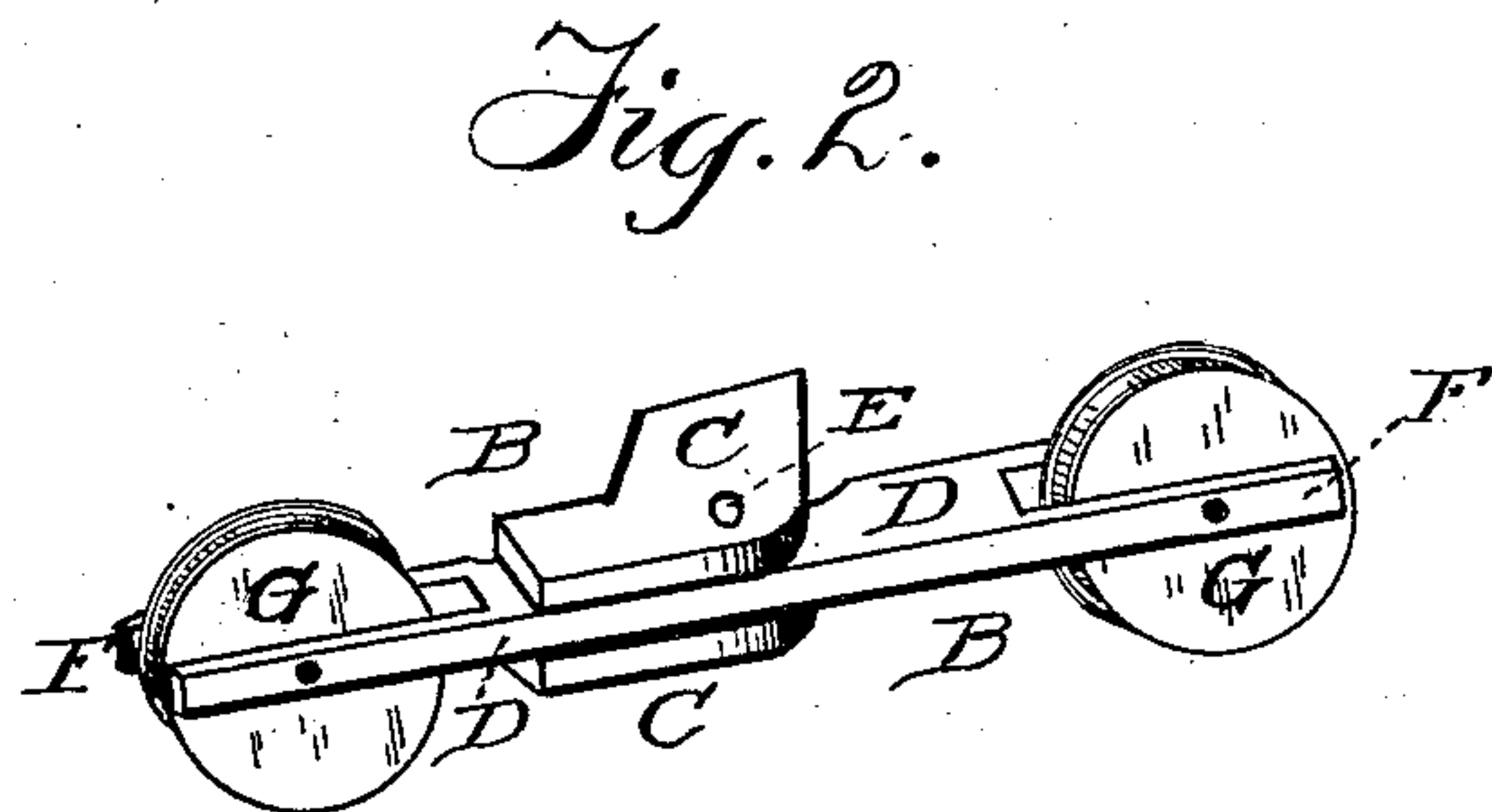
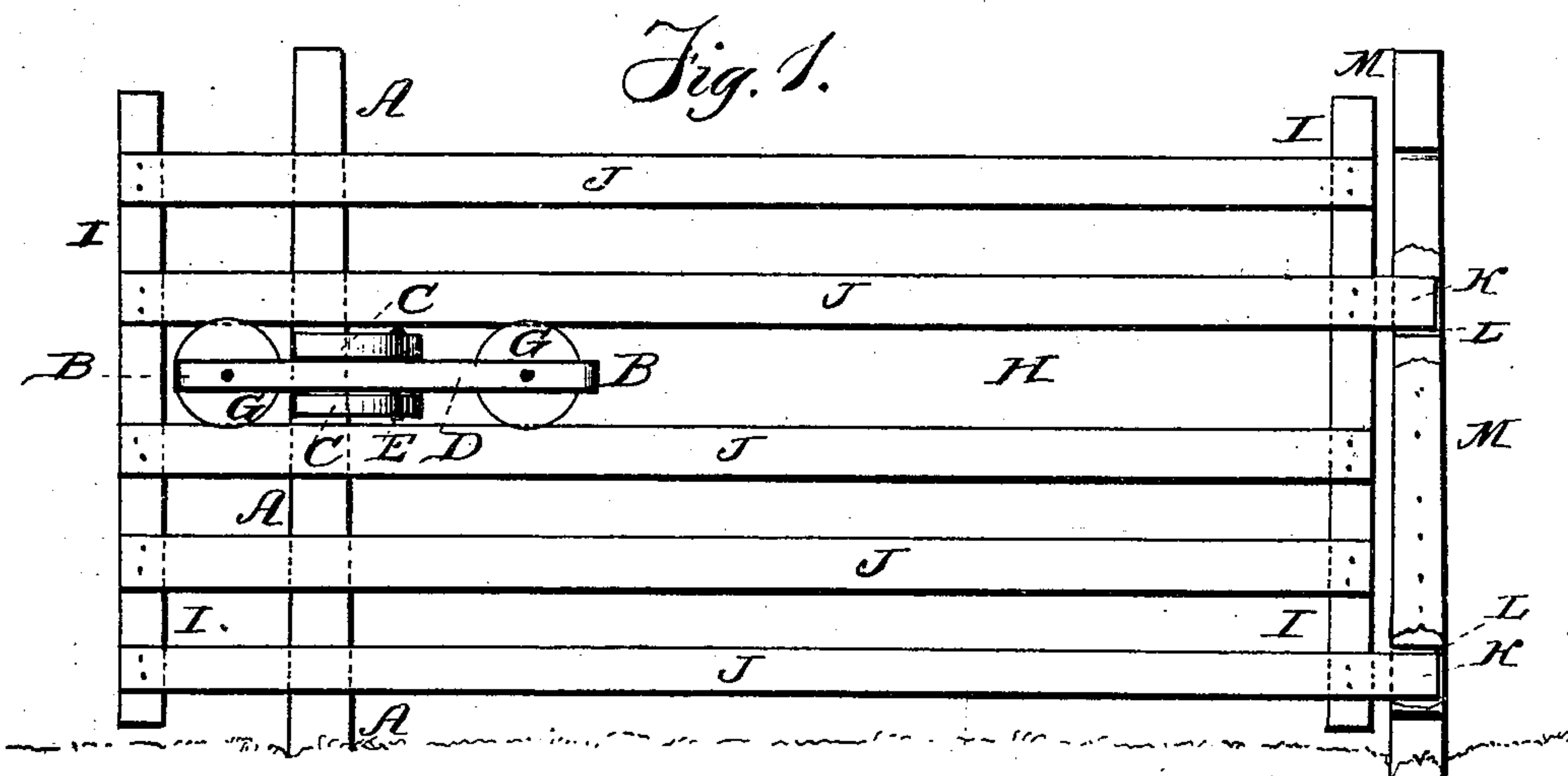
(Model.)

A. P. MYERS & H. FRANK.

Gate.

No. 243,393.

Patented June 28, 1881.



WITNESSES

*J. R. Litchell,*  
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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ALFRED P. MYERS AND HENRY FRANK, OF BERRIEN SPRINGS, MICHIGAN.

## GATE.

SPECIFICATION forming part of Letters Patent No. 243,393, dated June 28, 1881.

Application filed May 5, 1881. (Model.)

*To all whom it may concern:*

Be it known that we, ALFRED P. MYERS and HENRY FRANK, of Berrien Springs, in the county of Berrien and State of Michigan, have  
5 invented certain new and useful Improvements in Gates; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to  
10 make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a side elevation of a gate having our improved hinge. Fig. 2 is a perspective  
15 view of the hinge, and Fig. 3 is a vertical sectional view.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to gates; and it consists in certain improvements in the construction of the same, which will be hereinafter  
20 fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the gate-post, to which the hinge B is secured in any suitable manner. Said hinge consists of a pair of parallel, horizontal, angular, or L-shaped plates, C C, which may be separate or formed or cast together, as may be  
25 desired.

D is a plate or lever pivoted upon a pin, E, between the said angle-plates, and having forked ends F in which the vertical grooved rollers or casters G are journaled, as shown.

H is the gate, which consists of an ordinary panel composed of vertical end pieces, I, and horizontal boards J, between two of which latter the hinge rollers are adjusted, as shown, so that the gate shall be capable of sliding laterally upon the said hinge-rollers. One or more  
35 of the boards or rails J constituting the gate-panel may project at one end, as shown at K, so as to enter suitable recesses or mortises, L, in the end post, M, and thus retain the gate in  
40 a locked or closed position when required.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation of our invention will be readily understood.

The gate may be easily opened for the passage of foot-passengers by sliding it upon the rollers G a sufficient distance off from the end post, M. To open the gate for the passage of carriages or wagons it is to be slid back until it is balanced upon the hinge-plate D, when  
50 the latter may be easily turned with the gate upon the pin or pivot E.

Our improved gate-hinge is, as will be seen, exceedingly simple in construction and easily adjusted and operated. It is, moreover, inexpensive, durable, and not liable to get out of  
55 order.

We are aware of the patent to Shreffler, August 13, 1878, which shows an X-shaped block arranged between two posts to form a gate-hinge. This is not what we claim; but,  
60

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

1. The combination, with the parallel angular hinge-plates, of a flat bar pivoted between the same and provided at the ends with grooved rollers or casters, as herein described, for the purpose set forth.

2. The combination, with the vertical gate-post A, of the hinge B, consisting of horizontal parallel L-shaped plates C, and pivoted lever or bar D, having grooved rollers G, and the panel-gate H, adjusted upon the said rollers, as herein described, for the purpose shown and  
75 specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

A. P. MYERS.  
HENRY FRANK.

Witnesses:

B. F. PENNELL,  
GEO. H. MARTIN.