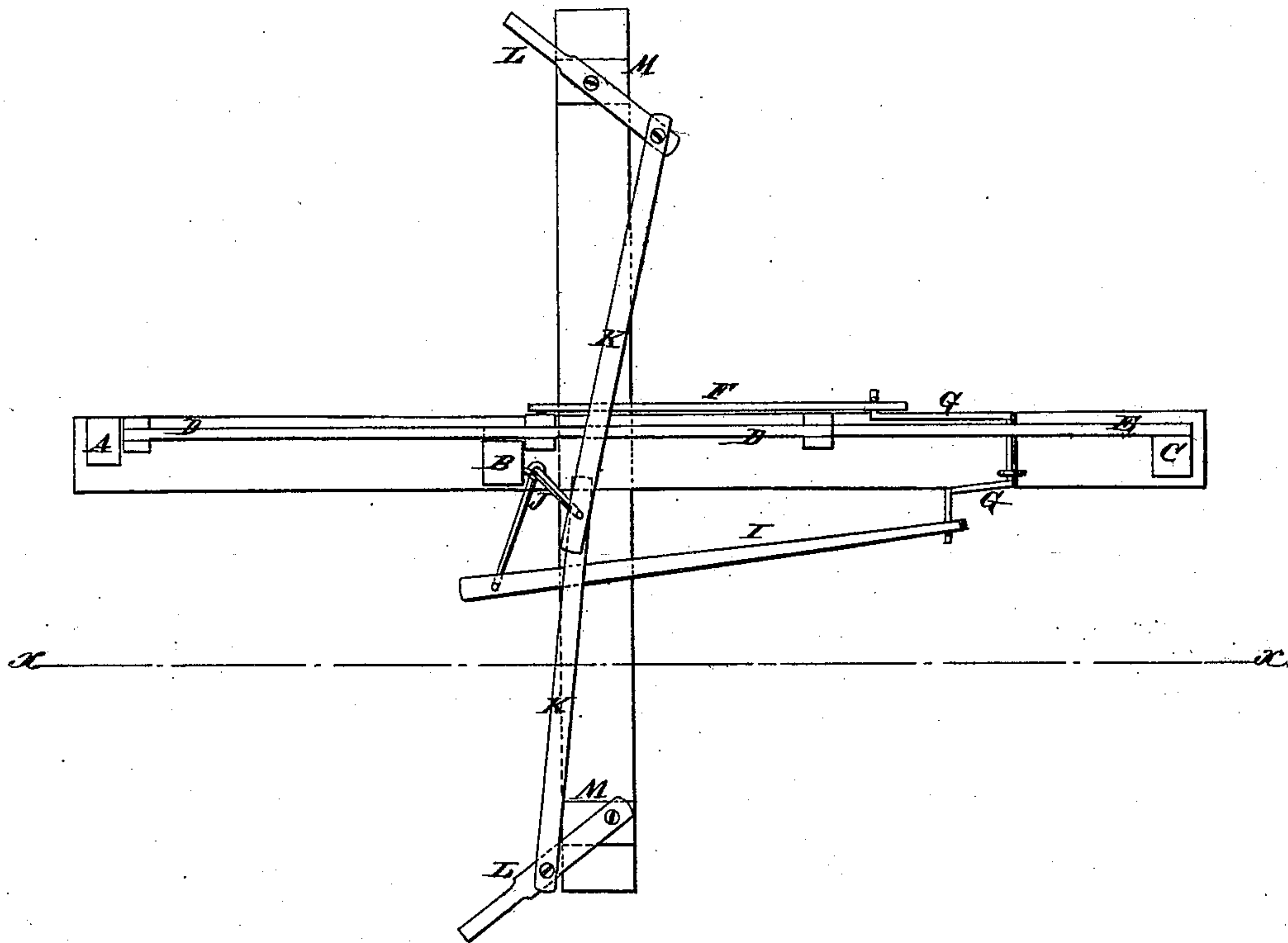


A. HYRE.  
GATES.

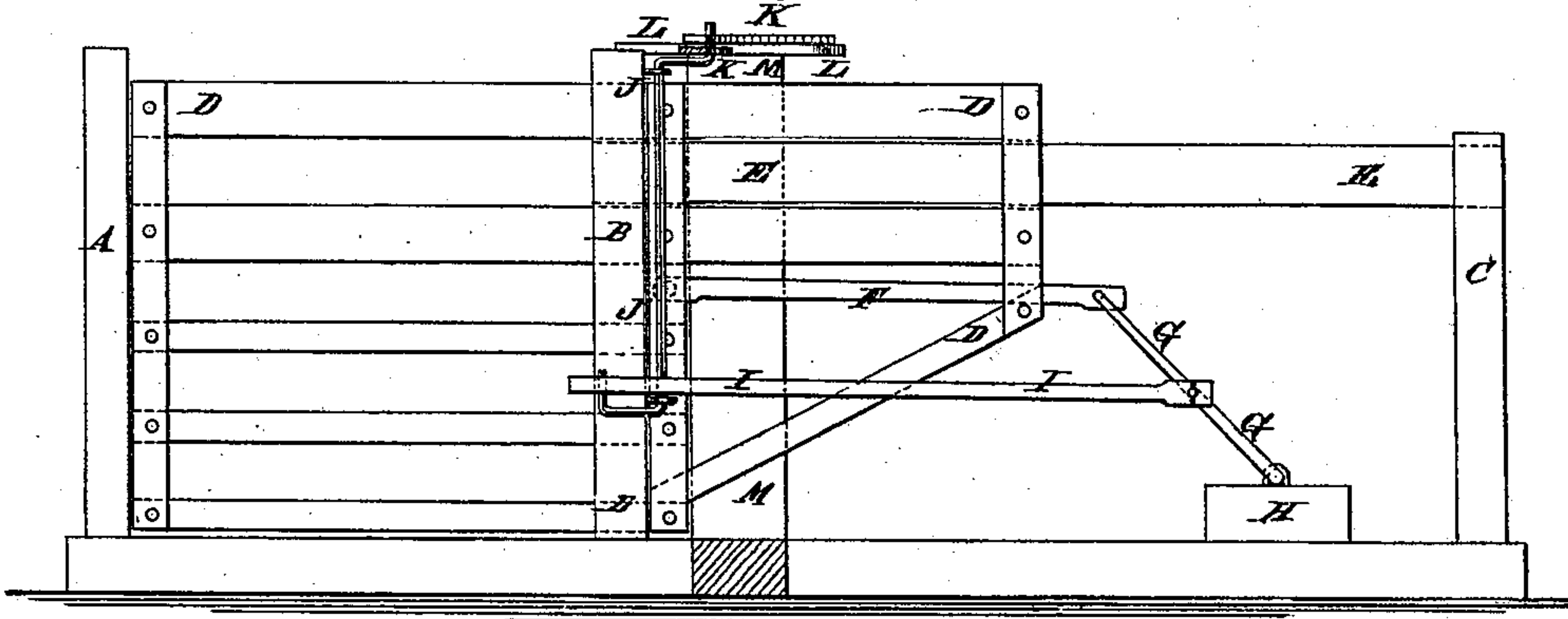
No. 194,823.

Patented Sept. 4, 1877.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*H. Rydquist*  
*J. H. Scarborough.*

INVENTOR:

*A. Hyre.*  
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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

AARON HYRE, OF CHURUBUSCO, INDIANA.

## IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. **194,823**, dated September 4, 1877; application filed May 12, 1877.

*To all whom it may concern :*

Be it known that I, AARON HYRE, of Churubusco, in the county of Whitley and State of Indiana, have invented a new and useful Improvement in Gates, of which the following is a specification:

Figure 1 is a top view of a gate to which my improvement has been applied. Fig. 2 is a side view of the same, partly in section, through the line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved gate, which shall be so constructed that it may be readily opened and closed by a person in a vehicle or upon horseback, and which shall be simple in construction, convenient in use, easily operated, and not liable to get out of order.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A is a post, set at one side of the roadway, and against which the gate shuts. B is a post, set at the other side of the roadway, and along the side of which the gate slides. C is a post, set back from the roadway, and in line with the post B. D is the gate, which is made by attaching cross-bars to the opposite sides of horizontal bars, and has a rearward extension of its upper part. The gate D slides open and shut upon a bar, E, attached to the upper parts of the posts B C, and which passes between the adjacent edges of two horizontal bars of the said gate and between the cross-bars attached to said horizontal bars.

To the middle parts of the middle cross-bars of the gate D is pivoted the forward end of the bar F, which passes back, and its rear end

is pivoted to the end of the longer arm of the unequal-armed U-bar G, the middle part or bend of which is pivoted to a short post or block, H, placed a little in front of the post C. To the end of the short arm of the U-bar G is pivoted the rear end of a connecting-bar, I, the forward end of which is pivoted to the crank-arm formed upon the lower end of the vertical rod J. The rod J works in bearings attached to the rear side of the post B, and upon its upper end is formed a crank-arm, projecting at an angle with the crank-arm formed upon its lower end. To the end of the upper crank-arm of the rod J are pivoted the inner ends of two connecting-bars, K, the outer ends of which are pivoted to the rear ends of two short horizontal levers, L, pivoted to the upper ends of two posts, M, placed upon the opposite sides of the rear part of the gate D, and at such a distance from it that a person sitting in a vehicle can reach and operate the levers L, the forward ends of which project toward the roadway, to open and close the gate before his horses have come in contact with the gate D, and after his vehicle has passed through the gateway.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the posts A B C M and gate D, sliding on a bar, E, of the pivoted bar F, U-bar G, bars H I, crank-rod J, connecting-bars K, and levers L, all constructed and arranged substantially as and for the purpose specified.

AARON HYRE.

Witnesses:

ED. A. MOSSMAN,  
TOBIAS ROTHYEB.