

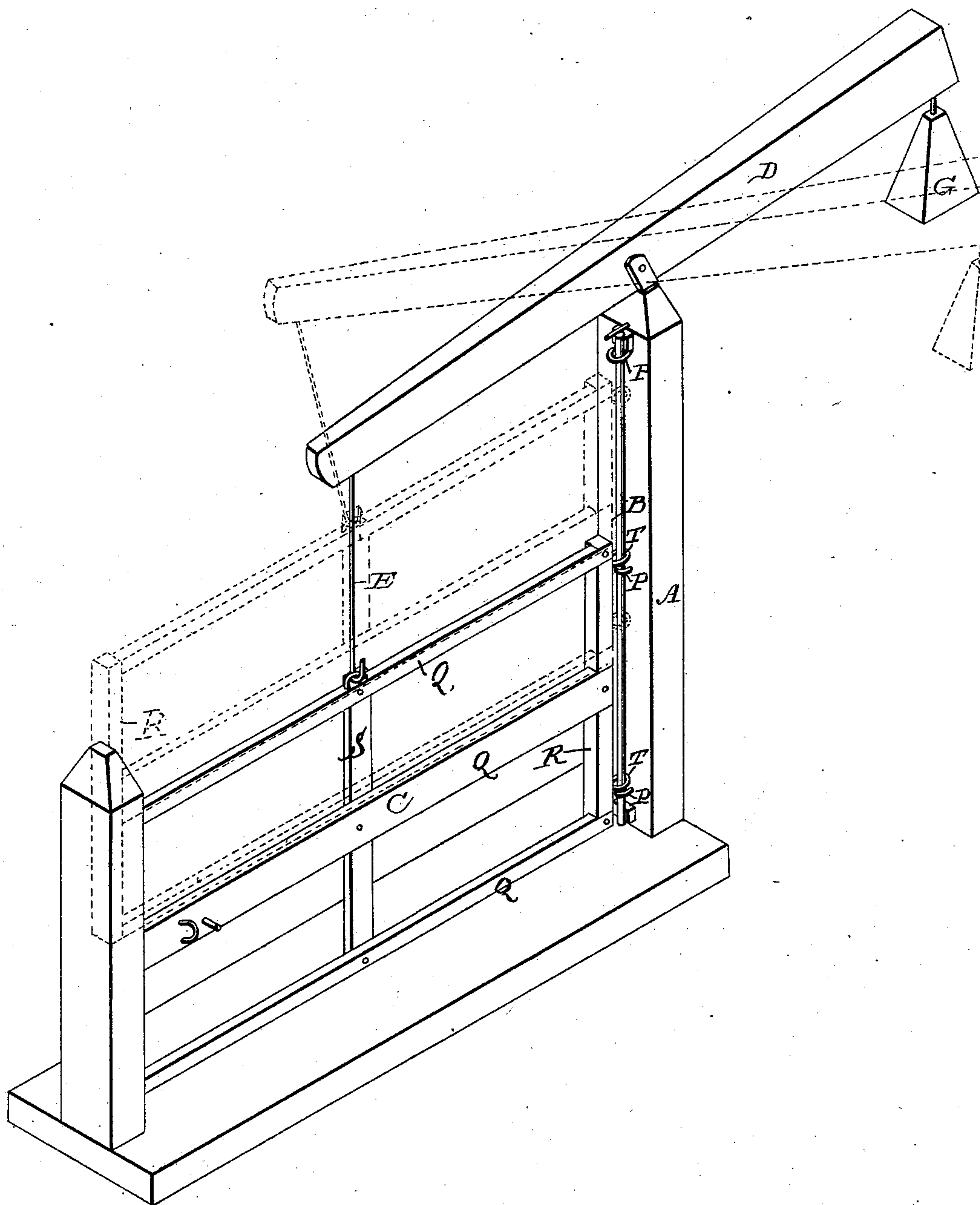
(Model.)

J. FERGUSON.

GATE.

No. 255,267.

Patented Mar. 21, 1882.



Witnesses:

B. Magoffin
J. White

Inventor.

James Ferguson

UNITED STATES PATENT OFFICE.

JAMES FERGUSON, OF LAKE TOWNSHIP, MERCER COUNTY, PENNSYLVANIA.

GATE.

SPECIFICATION forming part of Letters Patent No. 255,267, dated March 21, 1882.

Application filed July 26, 1880. (Model.)

To all whom it may concern:

Be it known that I, JAMES FERGUSON, of Lake township, in the county of Mercer and State of Pennsylvania, have invented certain
5 new and useful Improvements in Gates, of which the following is a specification, reference being had to the drawing hereto annexed, which represents a perspective view of my improved gate.

10 My invention relates to a vertically-adjustable swinging gate, the construction and operation of which will be hereinafter fully described, and particularly pointed out in the claim.

15 In the drawing hereto annexed, A represents the gate-post, and B a vertical rod secured thereto by means of eyebolts P.

20 C is the gate, which consists of a series of parallel horizontal bars, Q, connected by end braces, R, and by a central vertical brace, S. The said gate is hinged by means of staples or eyebolts T upon the rod B, which, extending to the upper end of the main gate-post, permits the gate to be lifted vertically by mechanism to be hereinafter described.

25 D is a lever swiveled to the top of the main gate-post A, and having its inner end connected by a link or rod, E, with the upper end of the central gate-brace, S, so that the gate shall be evenly balanced upon said toggle-joint. The outer end of the lever D carries a weight, G, nearly balancing the weight of the gate.

35 It will be observed that the inner end of the lever D extends far enough to permit the link or rod E to be in a vertical position, which causes the gate to be evenly balanced, and thus obviate any binding of the hinges thereof in the vertical movement of the gate.

A suitably constructed latch may be provided to lock the gate in position when closed.

40 From the foregoing description, taken in connection with the drawing hereto annexed, the operation and advantages of my invention will be readily understood. It is simple, durable, convenient, and easily operated in the manner
45 of an ordinary swinging gate, and it will be seen that when necessary it may be readily lifted to pass over snow or other obstructions which may happen to be upon the ground. The gate being evenly balanced upon the toggle-joint there is no outward strain upon the
50 hinge when the gate is lifted, thus making the operation more easy and the strain and wear less.

Having thus described my invention, I claim
55 and desire to secure by Letters Patent of the United States—

The herein-described combination and arrangement of the gate-post A, having vertical rod B, the gate G, swinging and vertically ad-
60 justable upon said rod, and having central vertical brace, S, and the lever D, swiveled to the top of post A, and having its outer end weighted and its inner end extending over the center of the gate, and connected thereto by a link or
65 rod, E, upon which said gate is evenly balanced, as set forth.

In testimony whereof I have hereunto set my hand and seal in presence of two witnesses.

JAMES FERGUSON. [L. S.]

Attest:

H. H. ZEIGLER,
JOSEPH BENTLEY.