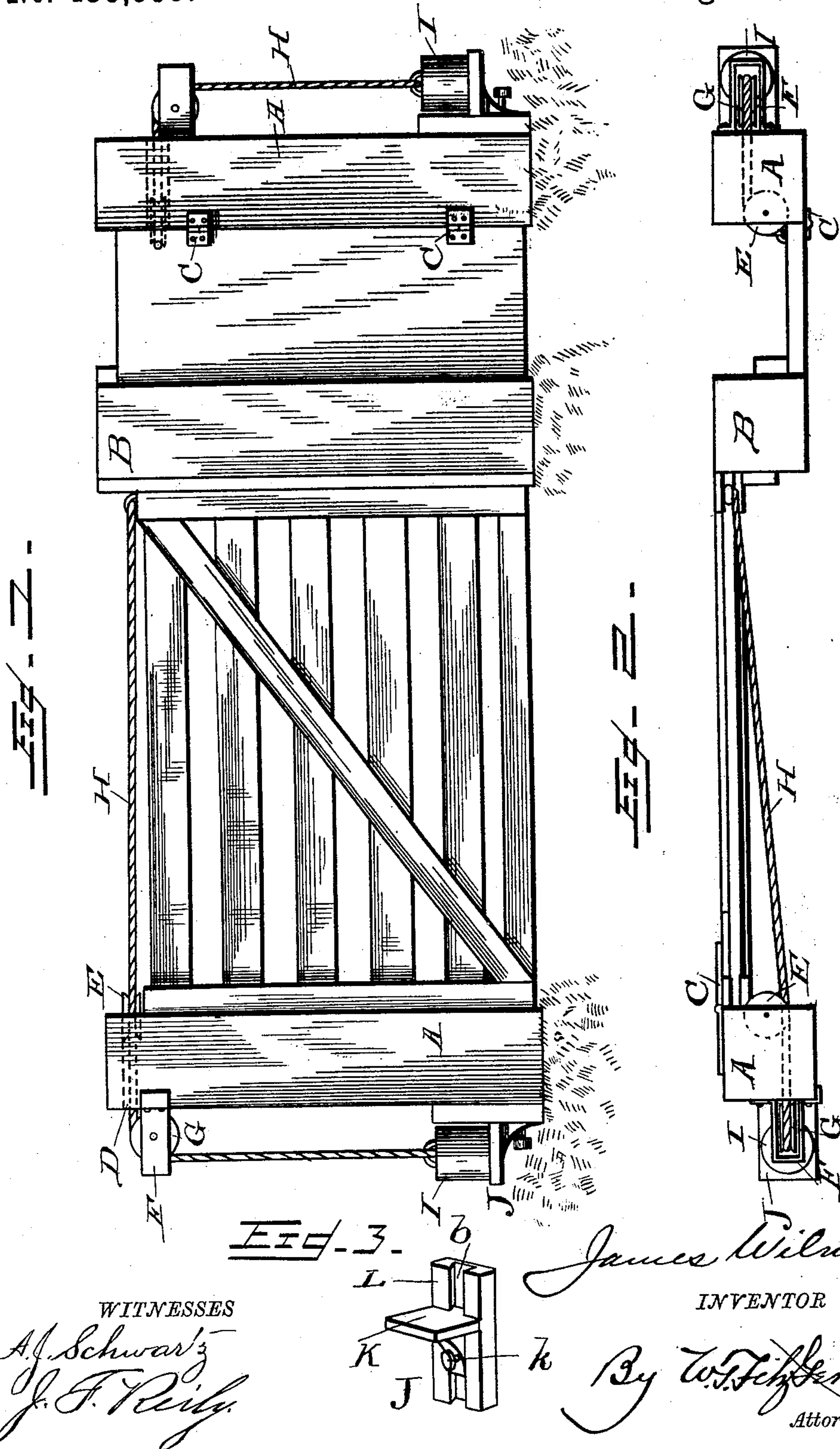


(No Model.)

J. WILMOTH.  
GATE.

No. 435,339.

Patented Aug. 26, 1890.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JAMES WILMOTH, OF ELK CREEK, KENTUCKY.

## GATE.

SPECIFICATION forming part of Letters Patent No. 435,339, dated August 26, 1890.

Application filed April 18, 1890. Serial No. 348,575. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES WILMOTH, a citizen of the United States, residing at Elk Creek, in the county of Spencer and State of Kentucky, have invented certain new and useful Improvements in Gates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-  
10 pertains to make and use the same.

My invention relates to gates, and will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a side view of the gate embody-  
15 ing my invention, and Fig. 2 is a plan view of the same. Fig. 3 is a perspective view of the bracket.

The same letters of reference indicate corresponding parts in both the figures.

20 Referring to the drawings by letter, A designates the hinge-post, and B the latch-post, both of the usual or any preferred construction, and are set in the ground in the usual manner. The gate is secured to the hinge-  
25 post by hinges C at the edge of the same, and the inner or rear end of the gate is thus adapted to come into contact with the side post and be prevented from swinging too far inward. This arrangement also relieves the  
30 strain on the latch. In the upper end of the hinge-post I form the horizontal passage D, and in the end of said passage I provide a grooved pulley E, as shown. A rope or chain  
35 H has one end secured to the upper edge of the gate, and extends therefrom to and around the pulleys E G and depends from said pulley G, a heavy weight I being secured to its free end.

From the foregoing description, taken in  
40 connection with the accompanying drawings, it will be seen that as the gate is opened the weight is raised, so that when the gate is released it will be automatically closed by the weight. It will also be observed that the  
45 several parts are so arranged that the weight exerts a direct lateral pull on the gate, so as to close the same positively and readily. The rope will be prevented from cutting and wearing out by the pulleys, and the horizon-  
50 tal passage in the post protects it from the action of the weather. By employing the bearings F on the rear side of the post I sup-

port the weight out of contact with the post, and consequently obviate the wearing away of the post by the weight rubbing against  
55 the same. The rope reaching from the gate to the weight is of sufficient length to close the gate and at the same time rest upon the adjustable jacket J, so that all strain will be removed from the rope after the gate is closed. 60  
This adjustable bracket consists of the members K and L, the latter being secured to the side of the post under the weight and provided with the longitudinal dovetailed groove  
65 b. The support K is provided with the rearward extension adapted to fit in said groove, where it may be secured at any desired point by the set-screw k. The bracket is therefore adapted to chains or ropes of varying lengths,  
70 so that the weight is always borne by the bracket when the gate is closed. A smaller gate may be arranged at one side of the main gate just described for the convenience of  
foot-passengers, having a similar chain or  
75 rope H, weight I, and adjustable bracket J, as shown in the two views of the drawings.

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

1. The combination, with the post A and a  
80 gate hinged thereto, of the adjustable bracket consisting of the members L and K, the set-screw adapted to secure the support at varying points, the weight arranged to rest upon the bracket, and the pulley journaled in the  
85 bearings at the rear of the longitudinal passage, as set forth.

2. The combination of the hinge-post having a horizontal passage in its upper end, the pulley in the end of said passage, the bear-  
90 ings on the rear side of the post below the end of the passage, the pulley journaled in said bearings, the gate hinged at the edge of the post, and the rope secured to the upper edge of the gate, passing over the pulleys and  
95 having a weight secured to its free end and adapted to rest upon the adjustable bracket when the gate is closed, substantially as described.

JAMES WILMOTH.

Witnesses:

JOSEPH F. WATSON,  
J. E. STONE.