

No. 727,734.

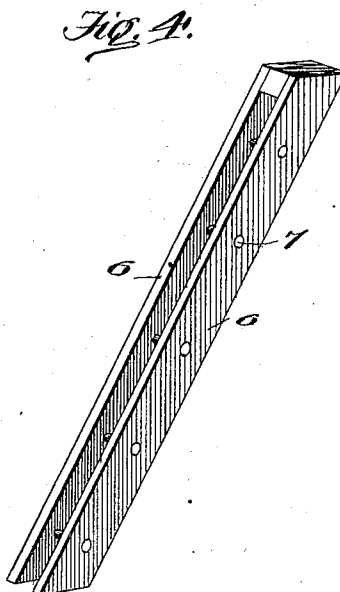
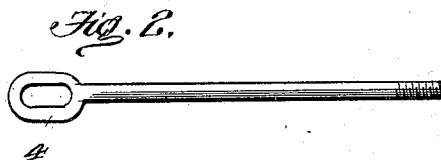
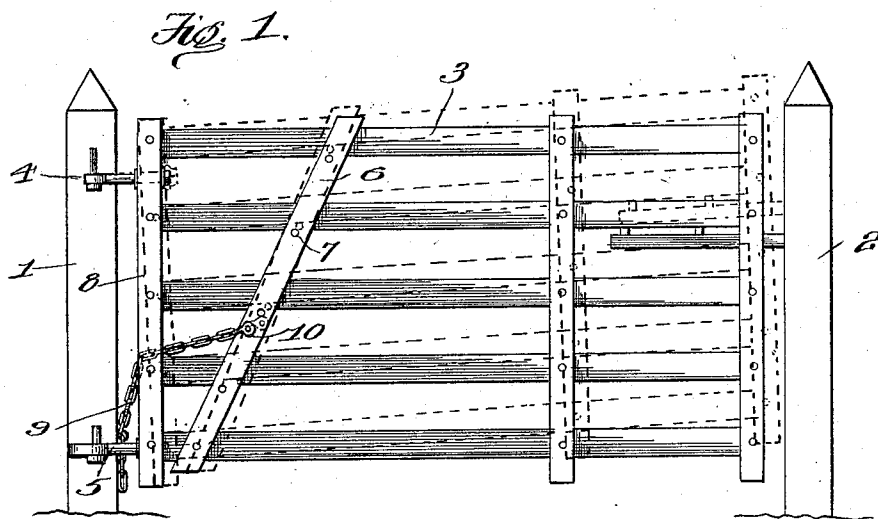
PATENTED MAY 12, 1903.

J. M. BARLEY.

GATE.

APPLICATION FILED OCT. 13, 1902.

NO MODEL.



Inventor

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UNITED STATES PATENT OFFICE.

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GATE.

SPECIFICATION forming part of Letters Patent No. 727,734, dated May 12, 1903.

Application filed October 13, 1902. Serial No. 127,068. (No model.)

To all whom it may concern:

Be it known that I, JOB M. BARLEY, a citizen of the United States, residing at Bedford, in the county of Bedford and State of Pennsylvania, have invented certain new and useful Improvements in Gates; and I do 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 appertains to make and use the same.

The invention relates to gates.

The prime object of the invention is to hinge the gate to the hinge-post in such manner that the entire hanging weight of the gate is borne by the lower end of the post instead of being distributed between the upper and lower ends, as is common in most gates, which tends to lean the post to one side and make it necessary, in order to overcome this objection, to provide suitable braces for the post. By the employment of my invention no brace need be provided for the post.

With this and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in certain novel features of construction and combination and arrangement of parts, which will be hereinafter fully described, defined in the appended claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a gate embodying my invention showing in full lines the gate in normal position and in dotted lines the gate elevated to permit of the passage thereunder of small stock. Fig. 2 is a view of the upper hinge. Fig. 3 is a view of the lower hinge. Fig. 4 is a perspective view of the brace.

In the drawings, 1 denotes the hinge-post, and 2 the latch-post.

3 denotes the rail-gate.

4 denotes the upper hinge, and 5 the lower hinge, for connecting the gate to the hinge-post.

As previously stated, it is desired to remove all strain from the upper end of the post and transfer it to the lower end, which is better able to bear it, and to this end I provide a diagonal brace 6, which preferably consists of two bars spaced apart and connected together by bolts 7, which are so placed

as to lie under and engage the lower edges of each but the lowermost rail of the gate and sustain the weight thereof. The lower end of the brace is pivoted to the lowermost rail at a point close to the upright 8 of the gate.

9 denotes a chain or other connection, one end of which is fastened to the diagonal brace at 10 and the other end of which is adapted to be connected to a nail, peg, stud, or other fastening device secured to the hinge-post. It will thus be seen that the entire weight of the gate is transferred by the diagonal brace to the lower hinge, the sole duty of the upper hinge being to prevent the gate from falling sidewise. The weight of the gate is entirely taken off of the upper hinge. By adjusting the brace the swinging end of the gate may be elevated to divide the stock or to permit the gate to pass over snowbanks or like obstructions.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, operation, and advantages of my improved gate will be readily apparent without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. The combination with the hinge-post; of a gate hinged thereto, a diagonal brace pivoted at its lower end to the lower hinged corner of the gate and provided with transverse pins or bolts which engage the lower edges of the rails of said gate, and a connection between the brace and the lower end of the hinge-post, substantially as described.

2. The combination with the hinge-post; of a gate hinged thereto, a diagonal brace pivoted at its lower end to the lower hinged corner of the gate and provided with transverse pins or bolts which engage the lower edges of the rails of said gate, and an adjustable connection between the brace and the lower end of the hinge-post, substantially as set forth.

3. The combination with the hinge-post; of

a gate hinged thereto, a diagonal brace pivoted at its lower end to the lower hinged corner of the gate and provided with transverse pins or bolts which engage the lower edges of
5 the rails of said gate, and a chain connecting the brace to the lower end of the hinge-post, substantially as specified.

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

J. M. BARLEY.

Witnesses:

R. C. HADERMAN,
J. E. MCGRAW.