(No Model.)

J. C. SHANNON.

GATE.

No. 472,080. Patented Apr. 5, 1892.

Fig. 1.

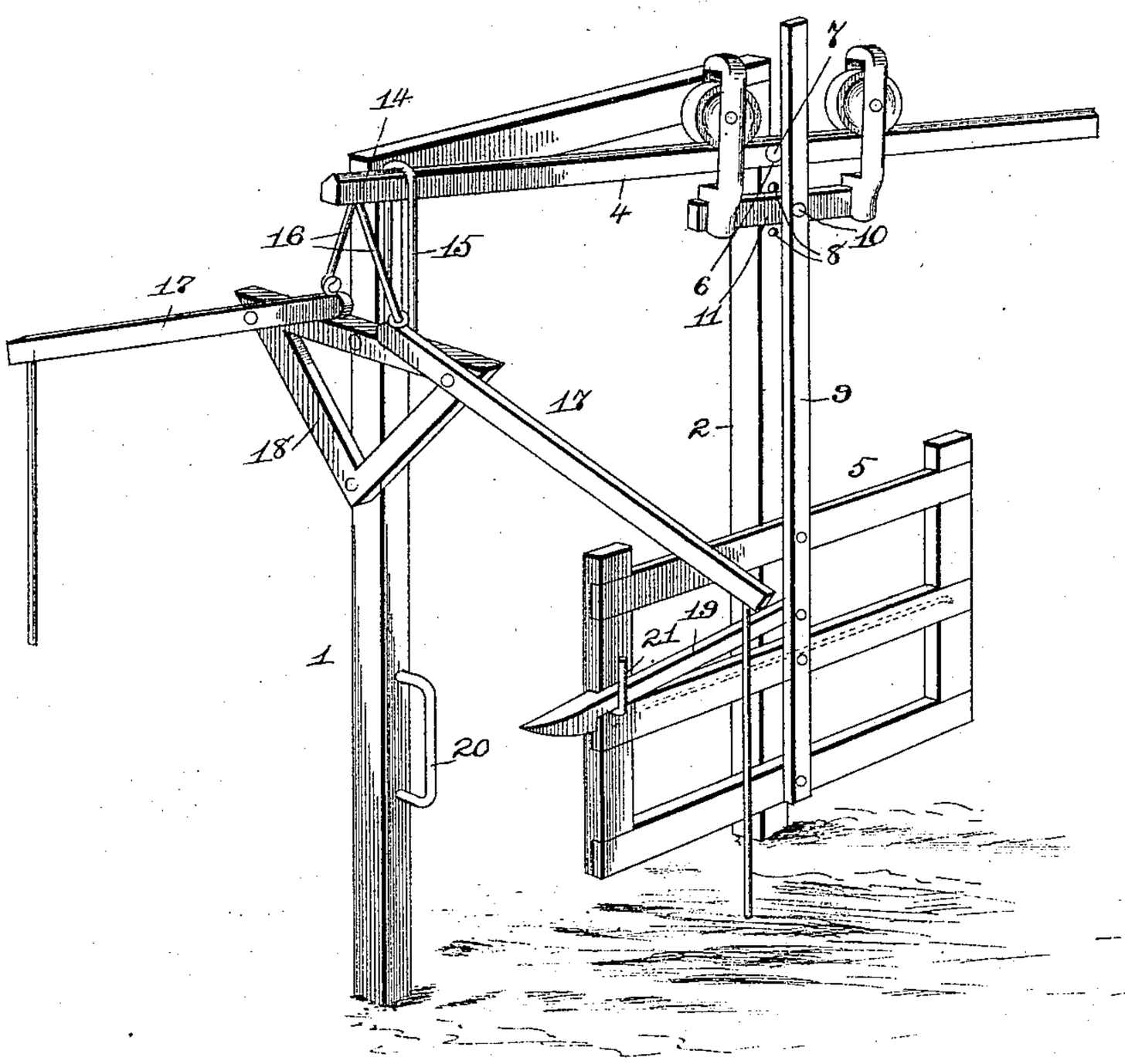
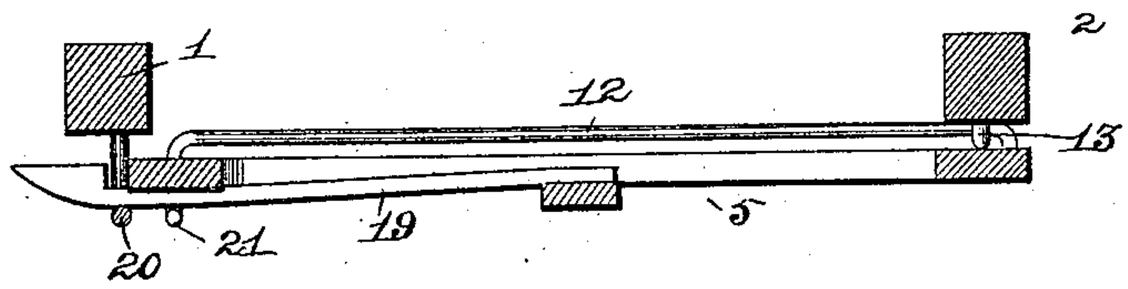


Fig. 2.



Witnesses

E. S. Duvall Jr.

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UNITED STATES PATENT OFFICE.

JEFFERSON C. SHANNON, OF ROUND ROCK, TEXAS.

GATE.

SPECIFICATION forming part of Letters Patent No. 472,080, dated April 5, 1892.

Application filed October 6, 1891. Serial No. 407,923. (No model.)

To all whom it may concern:

Be it known that I, JEFFERSON C. SHANNON, a citizen of the United States, residing at Round Rock, in the county of Williamson and State of Texas, have invented a new and useful Gate, of which the following is a specification.

The invention relates to improvements in sliding gates.

The object of the present invention is to simplify and improve the construction of sliding gates and to enable them to be readily opened by persons on horses and in vehicles and to be closed by them after passing through the gate.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a gate constructed in accordance with this invention. Fig. 2 is a horizontal sectional view.

Referring to the accompanying drawings, 1 and 2 designate uprights having their upper ends connected by a cross-bar and forming a frame, on which is pivoted a tilting track-bar 4, from which is suspended a sliding gate 5 and which is adapted to be tilted to form an incline to cause the gate to open and close by gravity. The tilting track-bar is provided between its ends with a perforation 6, through which passes a bolt 7, which fulcrums the tilting track-bar on the frame, and the upright 2 thereof is provided with a vertical series of perforations 8 to permit an adjustment of the bolt 7.

The gate has a central vertical bar 9 extended above it and pivotally connected by a bolt 10 to a hanger 11, which is provided with grooved rollers arranged to engage the upper oppositely-beveled edge of the tilting track-bar. The vertical bar 10 by being pivoted to the hanger 11 permits the hanger to tilt with the track-bar, while the gate maintains a vertical position. On the inner side of the gate is arranged a horizontal guide-rod 12, which engages a staple 13 on the adjacent face of the upright 2 and holds the gate in proper position and prevents its swinging outward from the frame.

The track-bar 4 has its end 14 arranged in a keeper or guard 15 and is connected by rods 16 with the inner ends of operating-levers 17, which extend from the gate-frame in opposite direction and are fulcrumed near their inner ends on a triangular frame 18 and are provided at their outer ends with depending handles. By pulling down upon the handles the end 14 of the tilting track-bar is raised and the gate is caused to open by gravity. A reverse motion of the levers tilts the track-bar in an opposite direction and causes the gate to close.

The gate is provided with a horizontal latch 19, adapted to engage a keeper 20 and supported by a guard 21, and when the end 14 of the tilting track-bar is lifted the gate will be raised and the latch will be disengaged from the keeper 20. The outer end of the latch 19 is beveled and it is adapted to engage the keeper as the gate closes.

It will be seen that the gate is simple and comparatively inexpensive in construction and that it is readily opened and closed at a short distance from the gate.

What I claim is—

The combination of a main frame, a track-bar pivoted intermediate its ends on the frame, a hanger having rollers and mounted on the track-bar, a gate, a central vertical bar secured to the gate and pivoted to the hanger and suspending the gate therefrom, a triangular frame secured to the main frame and arranged at one end thereof, operating-levers mounted on the triangular frame and connected with one end of the track-bar, a horizontal guide-rod secured to the gate, and a keeper secured to the main frame and engaged by the guide-rod, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

his
JEFF. C. × SHANNON.
mark

Witnesses:
T. F. ROWE,
C. C. BRADFORD.