

No. 894,581.

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F. BOHNE.
GATE.

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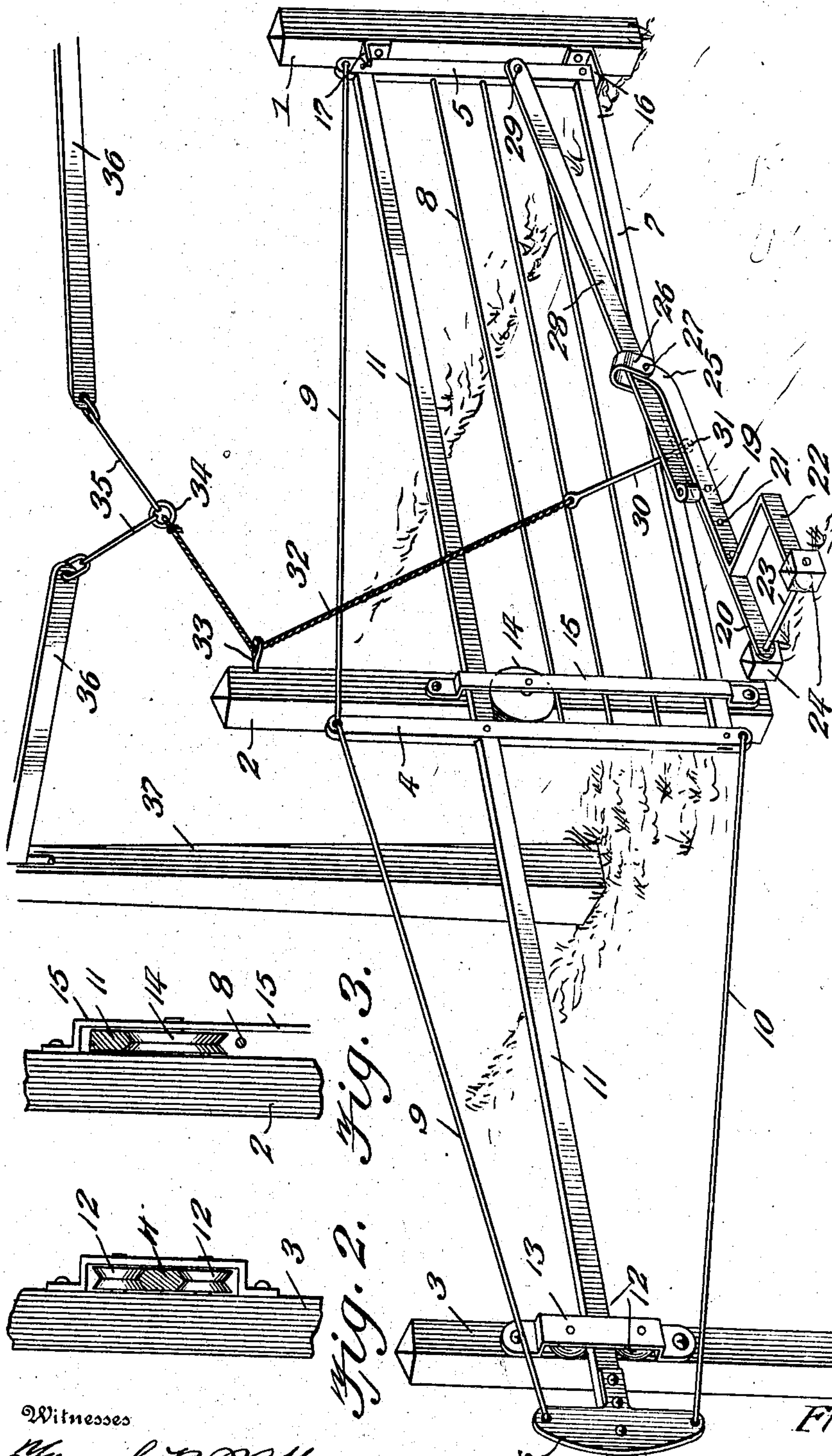


Fig. 1.

Fig. 3.

Fig. 2.

Witnesses

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FRITZ BOHNE, OF CHAPEL HILL, TEXAS.

GATE.

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To all whom it may concern:

Be it known that I, FRITZ BOHNE, a citizen of the United States of America, residing at Chapel Hill, in the county of Washington and State of Texas, have invented new and useful Improvements in Gates, of which the following is a specification.

This invention relates to gates of the sliding type, and one of the principal objects of the same is to improve the track rail and the means for sliding the gate.

Another object of the invention is to provide a sliding gate in which the means for guiding the track rail are simplified and improved.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which,—

Figure 1 is a perspective view of a sliding gate made in accordance with my invention. Fig. 2 is a detail and partial section of the guide rollers and sliding track at the outer end of the gate. Fig. 3 is a similar view of the guide roller and track at the central post.

Referring to the drawing for a more specific description of my invention, the numeral 1 designates the latch post; 2 the central supporting post and 3 the guide post.

The gate proper comprises a central upright 4, an end bar 5, an anchor plate 6, a bottom rail 7 and a series of wires 8 extending from the upright 4 to the bar 5. Brace rods 9 extend from the upper end of the bar 5 to the upper end of the upright 4 and from thence to the anchor plate 6, and a similar brace rod 10 extends from the lower side of the anchor plate 6 to the bottom of the upright 4. The track rail 11 is secured to the bar 5 at one end and to the upright near the center thereof, and the outer end of said track extends between guide rollers 12 secured to the post 3 by means of a suitable keeper 13. The rollers 12 are provided each with a peripheral V-shaped groove, and the sliding rail 11 has its opposite edges beveled upon both sides to fit between said rollers, as shown more particularly in Fig. 2. The supporting roller 14 is journaled in the post 2 and in a keeper 15 secured to said post, said keeper spanning the entire gate.

Secured to the inner side of the post 1 is an angular bracket 16 which supports the lower outer corner of the gate when closed, and an angular keeper 17 secured to the post 1 holds the gate from lateral movement.

The gate-operating mechanism comprises a lever consisting of two bars 19, 20 secured together by rivets 21, the bar 19 having an offset portion 22, and both of said bars being pivoted upon a rod 23 extending through stub posts 24 and through the bars 19, 20. The outer ends of the bars 19, 20 are upwardly curved, as at 25, and a U-shaped keeper 26 is connected to the upper ends of said bars by means of a pivotal pin 27, said pin extending through a bar 28 which is pivoted at its outer end at 29 to the bar 5. A link 30 is pivoted at 31 to the bars 19 and 20, and a rope or flexible connection 32 is attached to the link 30 and extends through an eye 33 on the post 2, and from thence said flexible connection extends to a ring 34 connected to links 35 pivotally attached to the inner ends of the operating levers 36, said operating levers being pivoted to posts, one of which, 37, is shown in the drawing.

The operation of my invention may be briefly described as follows: When either of the operating levers 36 is pulled downward at its outer end the flexible connection 32 is drawn upward to lift the lever composed of the bars 19 and 20 upward, thus pulling upon the bar 28 and sliding the gate upon the rollers 12 and 14 and swinging the lever to the opposite side of the post 2.

My invention is of simple construction, operates smoothly and easily and is strong and durable.

Having thus described the invention, what is claimed as new, is:—

The herein described gate comprising a track rail formed as an extension of the top rail of the gate, an upright extending beyond the top of the rail, an anchor plate at one end of said track rail, brace rods extending from one end of said gate to said upright and from thence to said anchor plate, a supporting post, a roller journaled in a keeper on said supporting post for said track rail, a guide post, a keeper on said guide post, guide roll-

ers journaled in said keeper, an operating lever comprising two bars, one of which is provided with an offset, stub posts, said two bars being pivoted to said stub posts, a bar
5 pivoted to said lever and gate, operating bars, and connections between said lever and said operating bars.

In testimony whereof I affix my signature in presence of two witnesses.

FRITZ BOHNE.

Witnesses:

A. M. KRUG,
J. B. GREYTON.