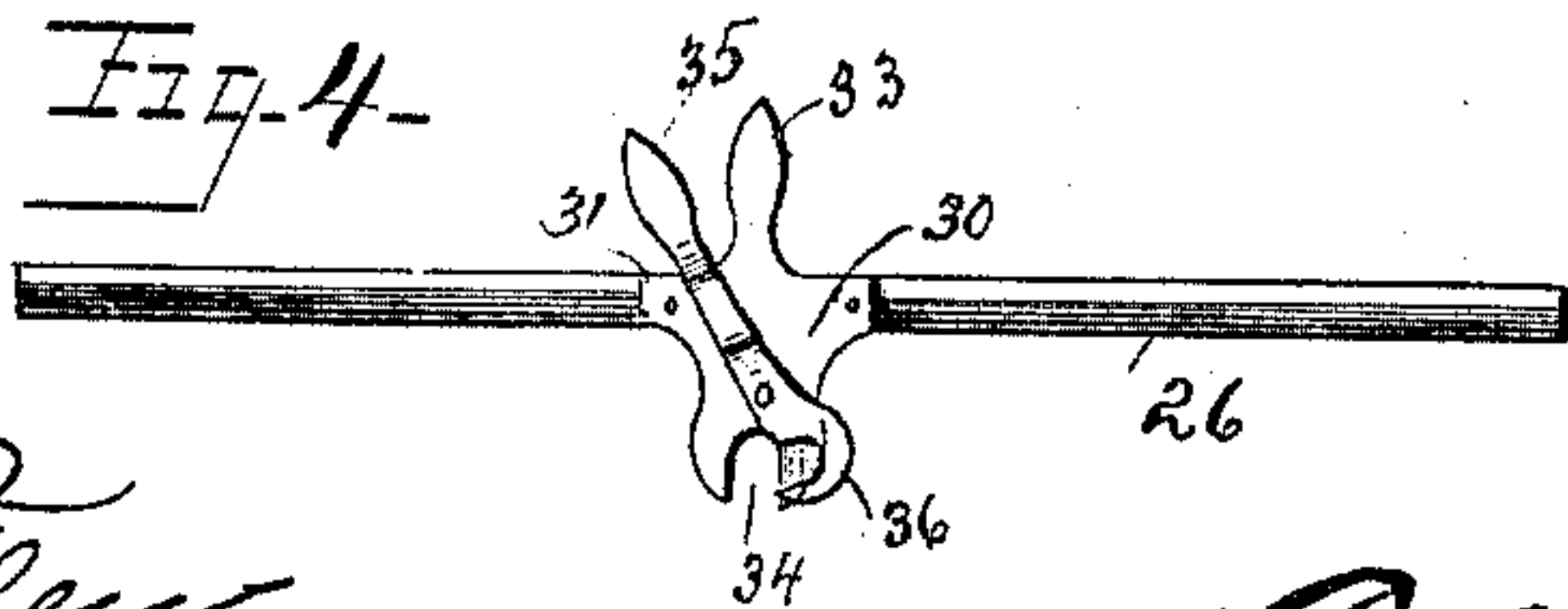
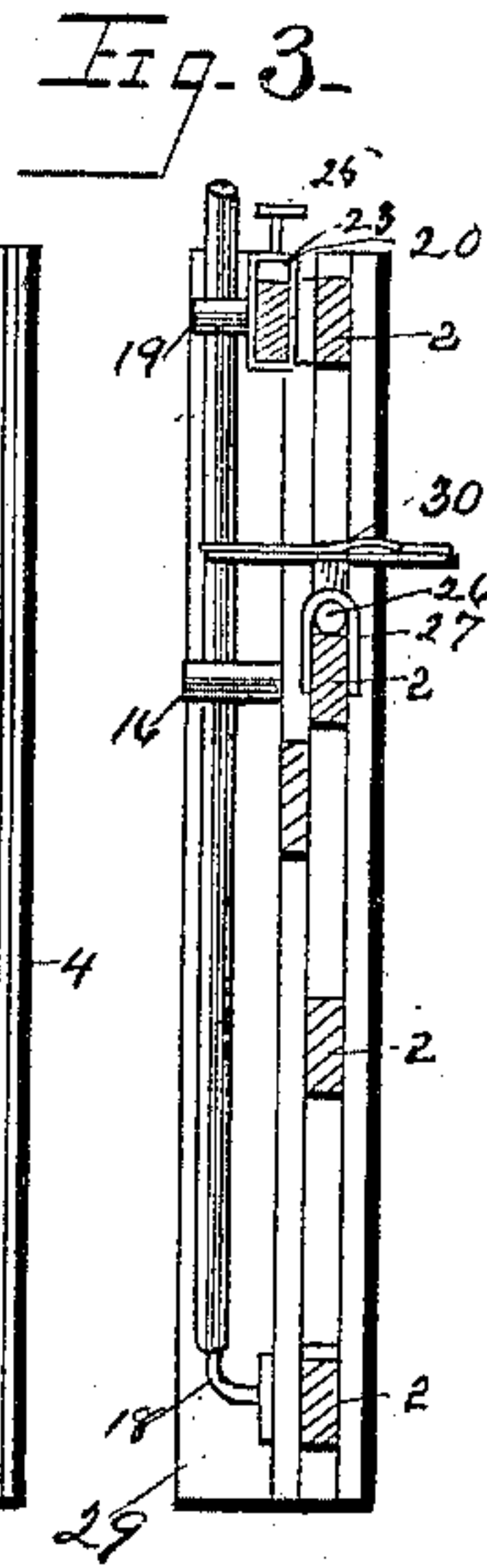
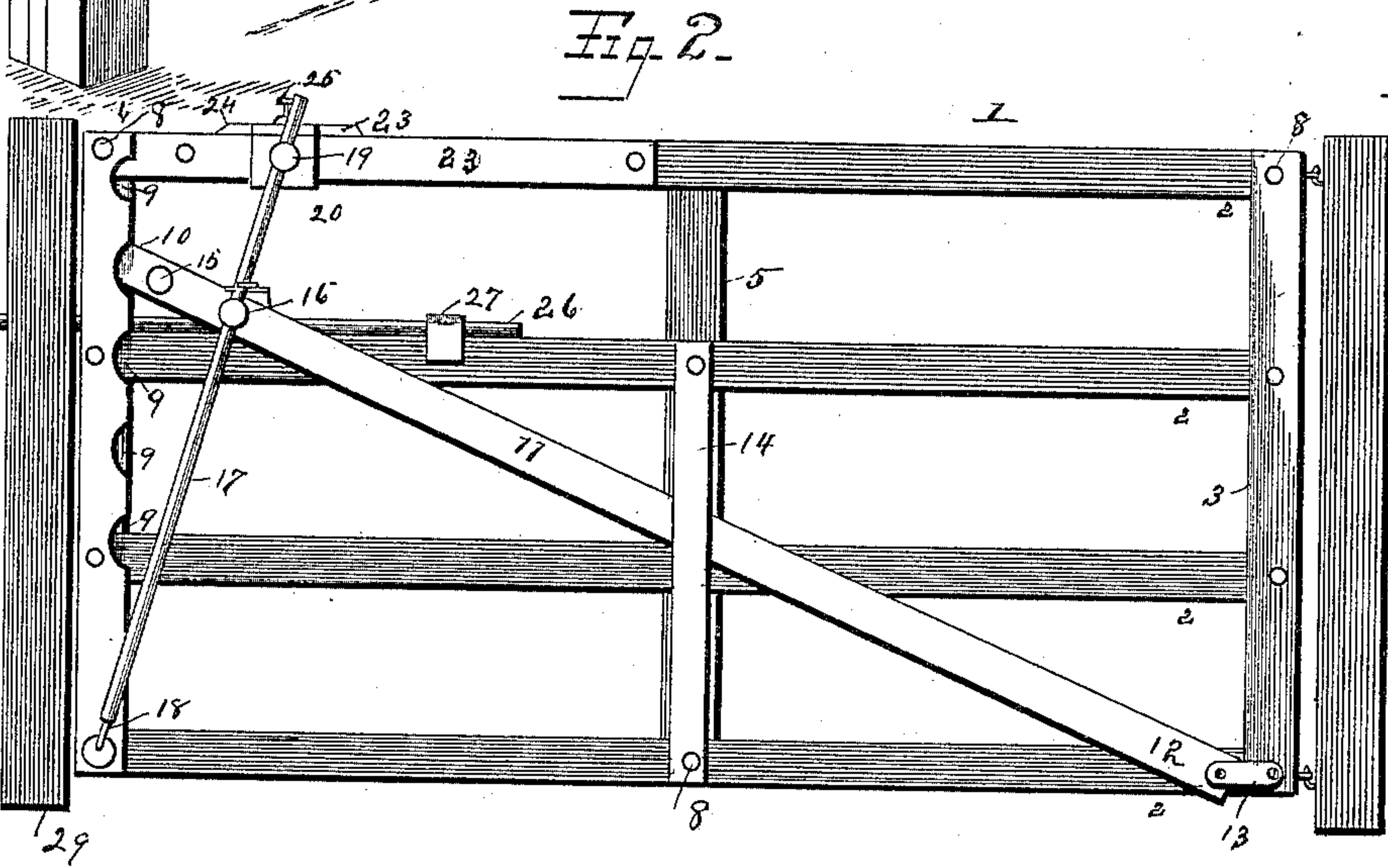
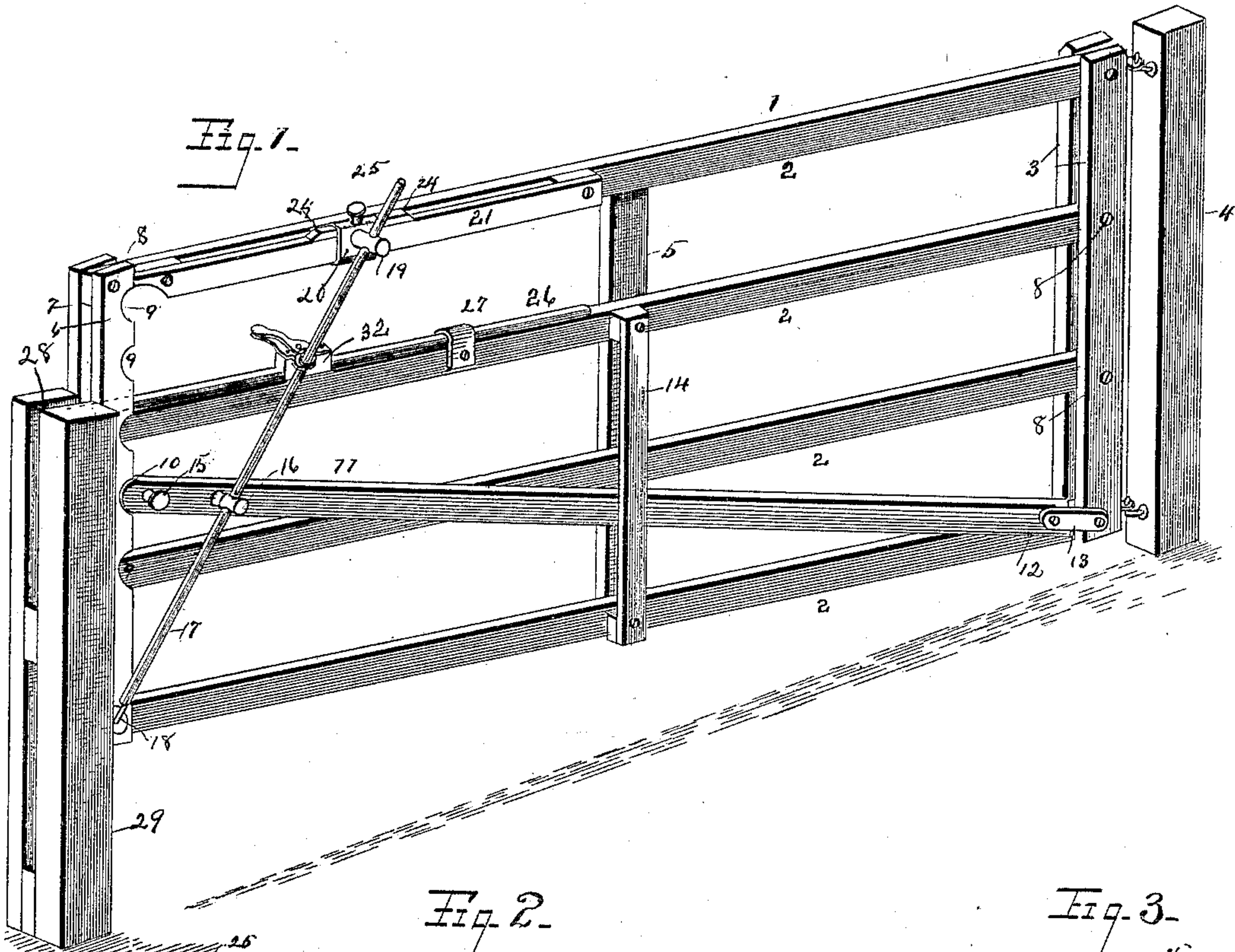


(No Model.)

C. M. CLARK.
SWINGING GATE.

No. 440,619.

Patented Nov. 18, 1890.



Witnesses

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CHARLES M. CLARK, OF CANANDAIGUA, NEW YORK.

SWINGING GATE.

SPECIFICATION forming part of Letters Patent No. 440,619, dated November 18, 1890.

Application filed July 15, 1890. Serial No. 358,855. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. CLARK, a citizen of the United States, residing at Canandaigua, in the county of Ontario and State of New York, have invented a new and useful Swinging Gate, of which the following is a specification.

The invention relates to improvements in swinging gates.

10 The object of the present invention is to provide a swinging gate adapted to be readily elevated to permit the passage of small animals and capable of being locked in its elevated position to enable it to swing over
15 obstructions and of being lowered to the ground at any desired point to hold it stationary.

A further object of the invention is to provide an automatically-operating latch which
20 can, when desired, be operated by hand.

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

In the drawings, Figure 1 is a perspective view of a gate embodying the invention, shown partially elevated. Fig. 2 is a side elevation, the gate being closed and in its normal position. Fig. 3 is a vertical sectional view. Fig.
30 4 is a detail of the latch-clamp.

Referring to the accompanying drawings, 1 designates a gate consisting of horizontal rails 2, vertical bars 3, arranged upon opposite sides of the ends of the horizontal rails adjacent to a hinge-post 4, a central bar 5, and bars 6 and 7, similar to the bars 3, arranged upon opposite sides of the horizontal rails at the other end of the gate. The said
40 rails and bars are secured together by bolts 8, and the openings or perforations to receive the bolts are made sufficiently large to allow the gate to be readily elevated in the usual manner to permit the passage of small stock, and the said gate is hinged to the post 4.
45 The bar 6 is provided in its inner edge with a series of curved recesses 9, adapted to be engaged by the rounded end 10 of an adjustable brace 11, which has its lower end 12 pivoted to the lower inner end of the gate between a plate 13 and the bottom horizontal rail 2. The said brace 11 is guided in its

movement by a keeper 14, arranged opposite the central bar 5, and provided at its ends with blocks that separate the body of the
55 keeper from the horizontal rails and provide a space for the brace, and the end 10 of the brace is provided with a knob 15 to facilitate the adjustment thereof. Near the end of the brace is a swiveled stud 16, provided with a
60 perforation, through which passes a tube 17, having its lower end supported by a hook 18 and its upper end engaged in a perforation of a swiveled stud 19 on the slide 20. The said hook 18 is swiveled to conform to the inclina-
65 tion of the tube 17, and has its end fitted in the lower end of the tube. The slide 20 is mounted upon a bar 21, that has its ends secured to the top rail of the gate, and it is separated therefrom by spacing-blocks, and the
70 slide consists of a rectangular casting arranged upon the bar and adapted to move freely along the same. A block 23 is arranged within the slide between the same and the bar 21, and is provided at its ends with shoulders 24 and engaged between its ends by a
75 set-screw 25, arranged in the top of the slide to force the block against the bar 21 and cause sufficient frictional contact to hold the slide stationary.
80

The gate can be elevated by engaging the end 10 of the brace with one of the recesses 9, and by means of the set-screw 25 the gate can be maintained rigidly in that position. This construction is advantageous when it is
85 desired to swing the gate over obstructions and the like. The gate can also be lowered to the ground, which will prevent swinging and will relieve the strain upon the hinge-post and will prevent premature sagging.
90

The gate is provided with a sliding latch-bar 26, which moves in a guide 27. It is arranged to engage a recess 28 of a latch-post 29, and is provided with a clamp adapted to engage the tube 17 and move with the same
95 and be automatically operated. The clamp is composed of a stationary section 30, provided with lateral projections 31, which are secured to an integral lug 32 of the latch-bar, and it has one end formed into a handle
100 portion 33 and the other end provided with a recess 34, adapted to receive the tube, and a section 35, pivoted to the stationary section, and having one end formed into a handle

and the other end provided with a recess or opening, forming a hook 36, adapted to engage the tube and close the recess of the stationary section and confine the said tube therein. When it is desired to operate the latch by hand, the sections 30 and 35 are swung apart, the latch-bar is turned in the keeper 27, which forms a bearing, and the clamp is carried out of engagement with the tube.

In elevating the gate the slide moves rearward or inward on the bar, carrying with it the upper end of the tube 17, which also moves the latch, and when the gate is lowered the reverse operation takes place.

The gate may be constructed of vertical bars and horizontal rails, or may be provided with pickets; and I desire it to be understood that I do not limit myself to the precise details of construction herein shown and described, as I may, without departing from the spirit of the invention, make minor changes therein.

Having described my invention, what I claim is—

1. The combination of the gate having its bars and rails pivotally connected and provided with recesses, the adjustable brace having one end pivoted to the gate and the other end arranged to engage the said recesses, the tube or bar 17, engaging the brace and having its lower end pivotally connected to the gate, and the slide arranged upon the gate and sliding along one of the horizontal rails of the same and engaging the upper end of the tube or bar and provided with a set-screw or equivalent means for securing the slide, substantially as described.

2. The combination of the gate having its bars and rails pivotally connected, the adjustable brace having one end pivoted to the gate and the other end engaging said recesses, the tube or bar having its lower end pivotally connected to the gate and engaging the brace between its ends, and means for securing the upper end of the tube or bar at various points along the gate, substantially as described.

3. The combination of the gate having its

rails and bars pivotally connected, the tube or bar 17, having its lower end secured to the bottom of the gate, the slide arranged on one of the horizontal rails of the gate and engaging the upper end of the tube or bar 17, the adjustable brace arranged to engage the gate and connected with the tube or bar, and the sliding latch provided with a clamp to engage the tube or bar 17, substantially as described.

4. The combination of the gate having its bars and rails pivotally connected, the swiveled hook 18, arranged at the bottom of the gate, the tube having its lower end receiving the hook 18, and the adjustable slide arranged on one of the horizontal rails of the gate and having a perforated swiveled stud to receive the tube and provided with a set-screw, substantially as described.

5. The combination of the gate having its bars and rails pivotally connected, the tube or bar having its lower end secured to the gate, the slide arranged on one of the horizontal rails of the gate and engaging the upper end of the tube or bar, and the sliding latch provided with a clamp comprising the stationary section having a recess to receive the tube or bar and the pivoted section having a hooked end to engage the tube or bar and retain the same in the recess of the stationary section, substantially as described.

6. The combination of the gate having its bars and rails pivotally connected, the swiveled hook 18, arranged at the bottom of the gate, the tube having its lower end receiving the hook, the slide arranged on one of the horizontal rails of the gate and comprising the rectangular casting provided with a laterally-extending perforated stud, the shouldered block 23, and the set-screw arranged to engage the blocks, substantially as described.

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

CHARLES M. CLARK.

Witnesses:

ELBRIDGE G. WEST,
ALASCO C. ROBISON.