

No. 765,280.

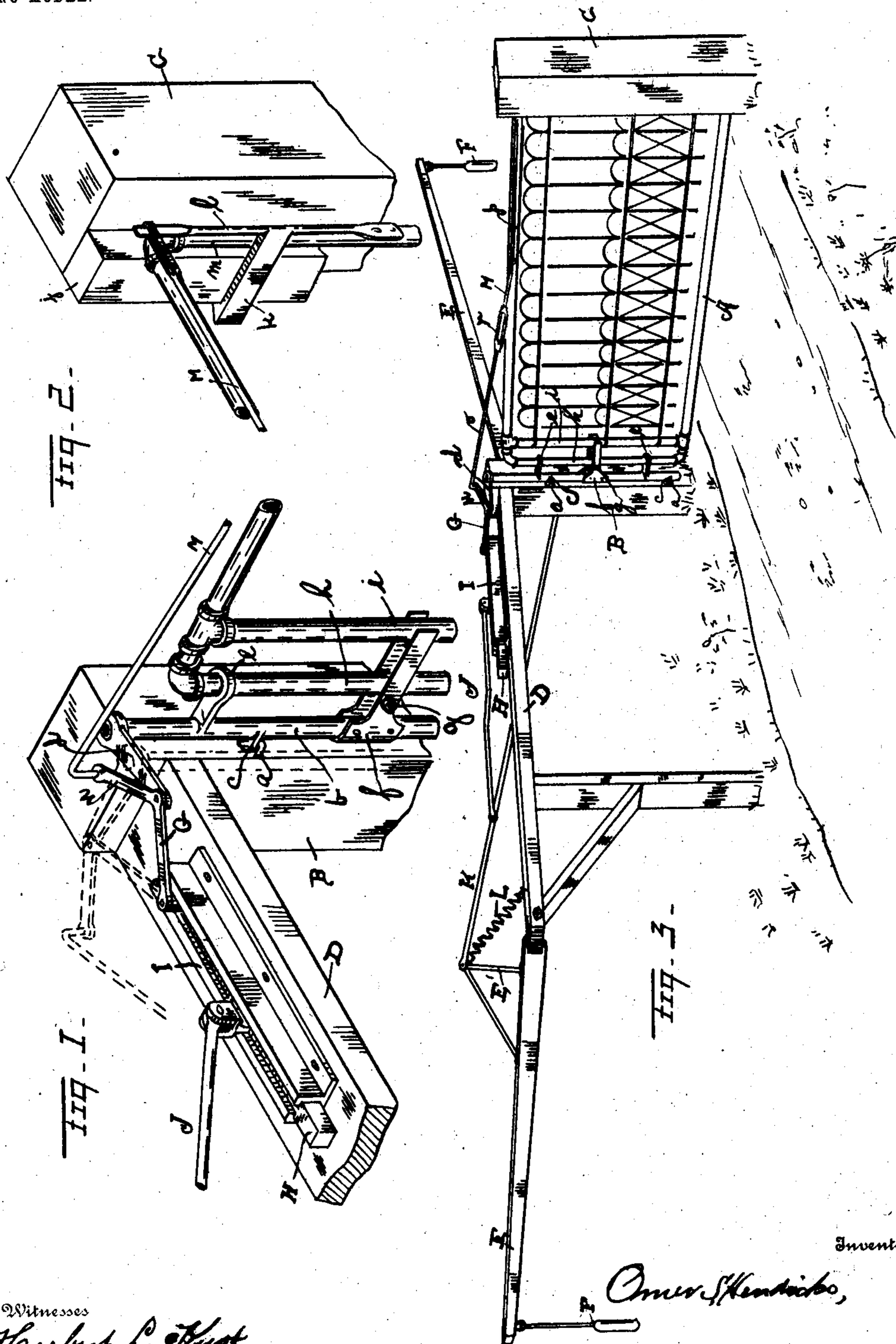
PATENTED JULY 19, 1904.

O. S. HENDRICKS.
FARM GATE.

APPLICATION FILED SEPT. 3, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses
Herbert L. Knopf
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Inventor
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No. 765,280.

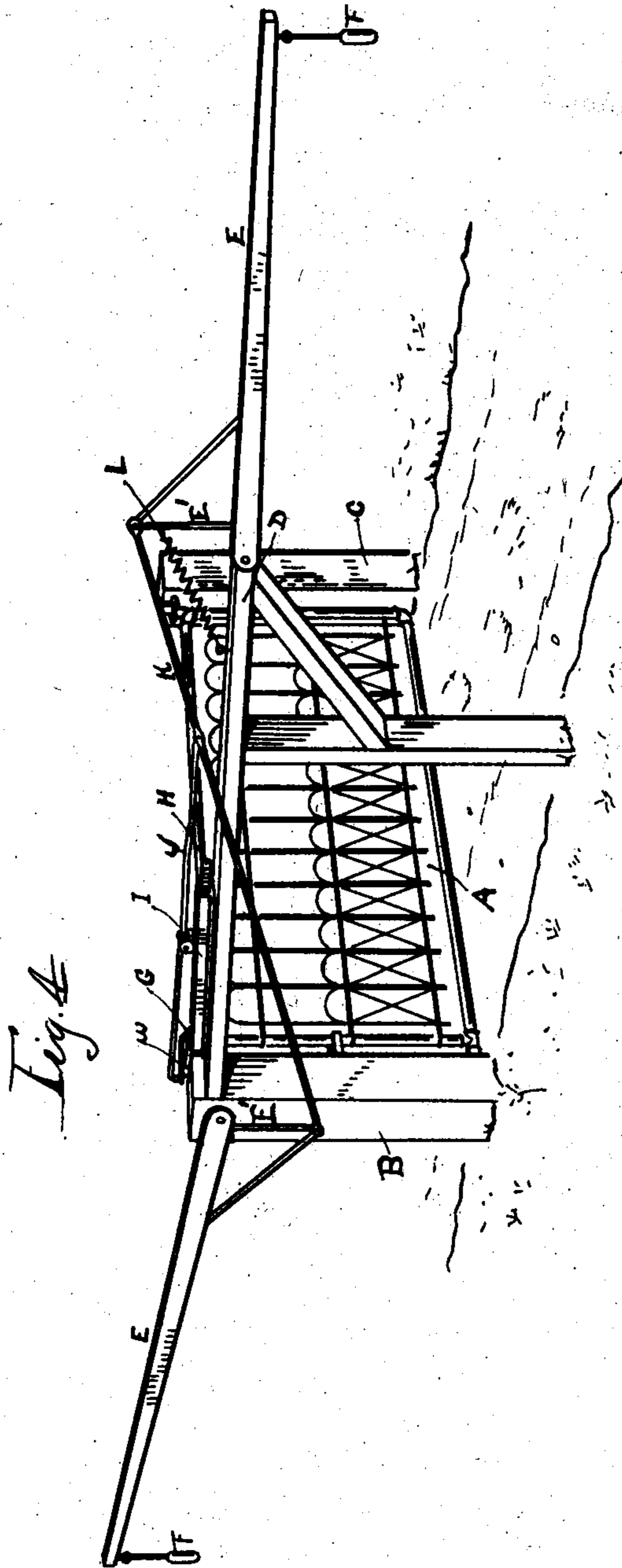
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Inventor

Omer S. Hendricks,

Witnesses

R. P. King.
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UNITED STATES PATENT OFFICE.

OMER S. HENDRICKS, OF FRANKLIN, INDIANA, ASSIGNOR OF ONE-HALF
TO CHARLES HENRY WIGHTMAN, OF FRANKLIN, INDIANA.

FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 765,280, dated July 19, 1904.

Application filed September 3, 1903, Serial No. 171,720. (No model.)

To all whom it may concern:

Be it known that I, OMER S. HENDRICKS, of Franklin, in the county of Johnson and State of Indiana, have invented an Improved Farm-
5 Gate, of which the following is a specification.

The object of my invention is, first, to provide a gate-operating device that is simple, cheap, and durable and that will diminish the power required for operating; second, to provide a gate so constructed that it may be adjustably supported at any elevation, so as to permit of small stock escaping from an inclosure without affording an escape for cattle and horses, and one having a
15 keeper adapted to be engaged at various elevations by a latch for securing the gate in its closed position; and still another object of my invention is to so connect the gate-operating mechanism with the gate as not to interfere with the vertical adjustment of the gate.

Figure 1 of my accompanying drawings is a detail view in perspective of my operating device. Fig. 2 is a perspective view of latch
25 device. Fig. 3 is a perspective view illustrating a swinging gate embodying my invention and my improved mechanism for opening and closing the same. Fig. 4 is a perspective view of the gate, taken from a point opposite to that in Fig. 3.

Referring by letter to my drawings, A indicates a swinging gate, which is shown as made of gas-pipe, although it may be made of any suitable material.

35 B designates a hinge-post, to which are attached vertically-disposed hinge-hooks *a*, and upon said hinge-hooks is mounted a vertical hinge-rod *b* by means of hinge-eyes *c*, attached to said rod and engaging with said
40 hinge-hooks. This hinge-rod *b*, which is preferably formed of gas-pipe, is arranged to turn, by means of the eyes *c*, upon the hooks *a*, is provided at the top with the arm *d*, fixedly connected thereto, and at intervals from each end with the eyes *e*, and at the center has fixedly connected thereto the strap *f*, which is provided with a bolt *g* and extends so as to engage with the end bar *h* and the
45 brace-bar *i*. The vertical end bar *h* is loosely

mounted in the eyes *e e* and so disposed as to 50 bear firmly upon the bolt *g*. By reason of this construction it will be seen that the gate may be adjustably supported at any elevation, it being simply necessary to raise or lower the gate by sliding the end bar *h* in the 55 eyes *e e*, the weight of the gate causing the said end bar *h* to bind against said eyes *e e* and against the bolt *g*, supporting the gate firmly at any elevation. C designates a post on the opposite side of the roadway, having 60 a stop-block *j*, which also serves as a keeper for the engagement of the latch *k*, fixedly connected to the latch-spring *l*, said spring being rigidly secured to the front end bar *m* of gate. 65

D designates the support upon which the gate operating or opening and closing mechanism is mounted.

E E designate the operating-levers, pivoted, respectively, to the support D and the hinge- 70 post B. Said operating-levers are provided, respectively, with upward and downward projecting arms *E' E'* and with depending loosely-connected handles F F.

G designates a bell-crank lever having an 75 arm *n*. Said bell-crank lever is pivoted to arm *d* and to slide H, which is retained in a casing I and is actuated by means of a rod J, attached to a rod K, said rod K being secured at each end, respectively, to the arms *E' E'*. 80

L designates the spring attached to the support D and to the arm *E'*.

M designates the rod that connects the latch-spring *l* with the arm *n* of the bell-crank lever G, which rod preferably comprises two 85 sections *o p*, connected by a flexible joint, and is provided with a turnbuckle *r* to permit adjustment, whereby it will be seen that it will work properly when the gate rests at various elevations. 90

It will be perceived from the foregoing that when the outer end of either of the operating-levers E E is depressed the slide H will be drawn back by means of the arms *E' E'* and the rods J and K and the tension of the spring 95 L will be increased, whereby the operation of the bell-crank lever G and the extension *n* will cause the gate to be unlatched and open the

same and carry it beyond its center of movement. The hand-lever being released permits the spring L to react, thereby forcing the slide back to its original position and completing the opening of the gate, as is clearly apparent from the drawings. The operating-levers resume their original position. The closing of the gate involves the same operation as the opening.

10 What I claim, and desire to secure by Letters Patent, is—

1. In combination, a post, a rod hinged thereto, arms on the rod, having eyes on their free ends, a gate vertically movable in said eyes, a
15 strap secured to the rod in such manner as to prevent lateral movement of the gate independent of the rod and means for operating the gate.

2. In combination a post, a rod hinged thereto, arms on the rod, a gate supported by said
20 arms to move vertically thereon, a strap secured to the rod to prevent lateral movement of the gate independent of the rod, means carried by the strap to bind against the gate
25 and means for operating the gate.

3. In combination, a post, a rod hinged thereto, arms on the rod, a gate movable vertically in said arms, a strap secured to the rod to prevent lateral movement of the gate independent
30 of the rod, a bolt supported by the strap and adapted to bind against the gate and means for operating the gate.

4. In combination, a post, a gate hinged thereto, a latch for the gate, an arm on the gate,
35 a bell-crank pivoted to the arm, a connection between the latch and one end of the bell-

crank, a support, a slide movable thereon, the opposite end of the bell-crank being pivoted thereto and means for operating the slide as and for the purpose described. 40

5. In combination, a post, a gate hinged thereto, a latch for the gate, a support, a slide on the support, a connection between the slide and latch, a lever pivoted to the post, an arm depending from the lever, a lever on the sup- 45 port, an arm extending upward from the latter arm, a connection between the free end of said arms, as and for the purpose described.

6. In combination, a post, a gate hinged thereto, a latch for the gate, a support, a slide
50 on the support, a connection between the slide and latch, a lever pivoted to the post, a lever on the support, a connection between the levers, and a spring on the support adapted to exert pull on the lever on the support as and 55 for the purpose set forth.

7. In combination, a post, a gate hinged thereto, a latch for the gate, a support, a slide on the support, a connection between the slide and latch, a lever pivoted to the post, an arm
60 depending from the lever, a lever on the support, an arm extending upward from the latter lever, a connection between the arms on the levers and a spring secured to the support and the upwardly-extending arm. 65

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

OMER S. HENDRICKS.

Witnesses:

HERBERT L. KNOX,
WILLIAM O. CURTIS.