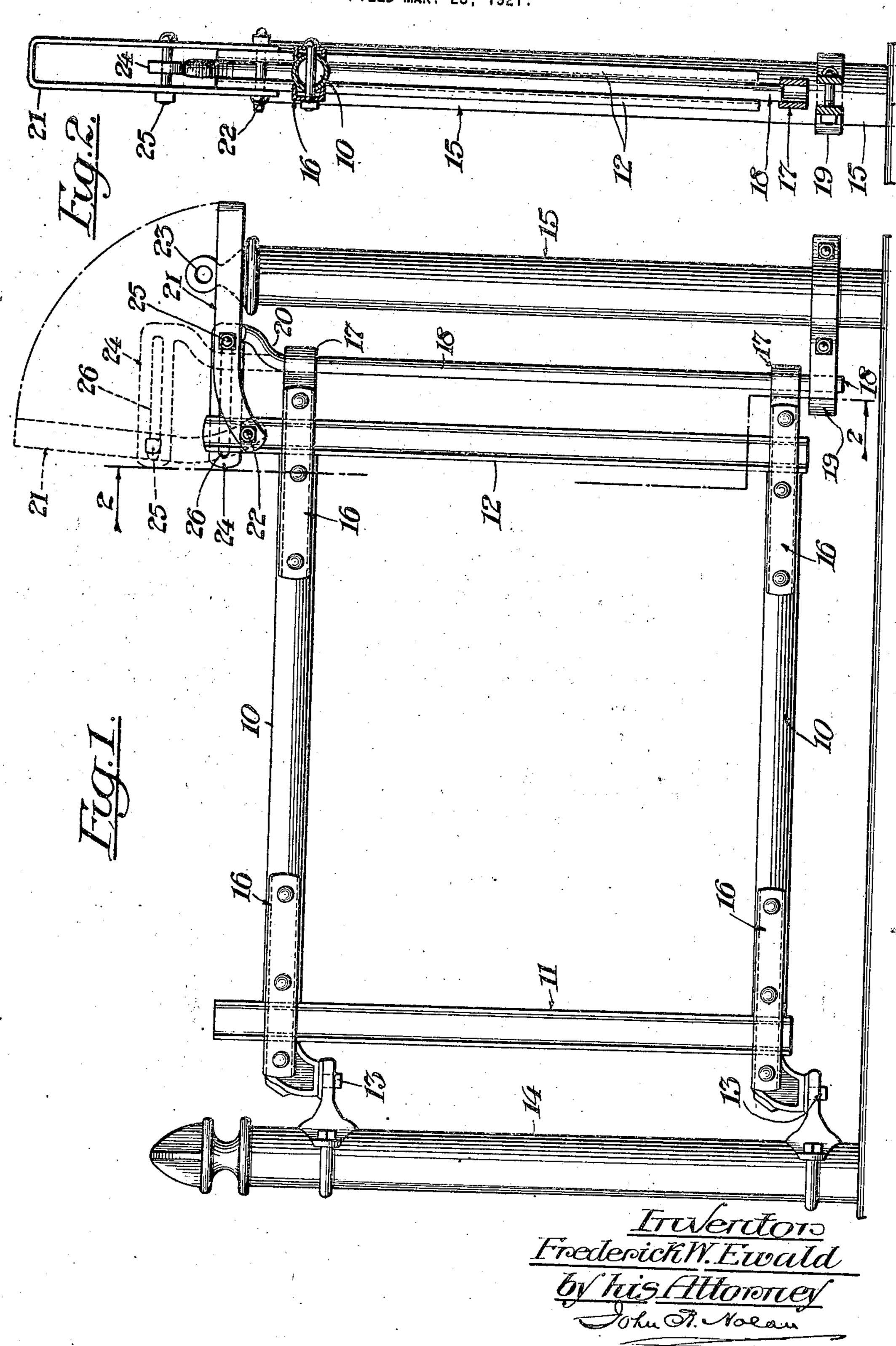
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GATE LOCK.

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UNITED STATES PATENT OFFICE.

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GATE LOCK.

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To all whom it may concern:

accitizencof the United States, and resident of the bracket in a manner to limit the of the borough of Garwood, in the county of downward movement of the bar, as shown. ments in Gate Locks, of which the following pivoted at one end to the up-projecting poris a specification.

10 nism for gates, and it has for its object to and downward motion of the member is 65 can be readily locked or unlocked as de- out of locking engagement with the keeper. sired .

comprises novel structural features and ranged to be swung to and from the top of combinations of parts which will be herein- the adjacent post 15, which post has an upafter described and claimed.

In the drawings—

gate structure equipped with locking mech- formed on or otherwise fixed to it a longiing said mechanism in locking and unlock- and the hasp is provided intermediate its

sition.

35 other end of the frame is equipped with my and from locking engagement respectively 90 nelled check members 16, as set forth in Let-sion 23 so as to lock the hasp to the post and 95

Fitted in and secured to the channels of tion. the respective cheek members of the end bar. It is to be noted that when the hasp is keeper when the gate is closed. In the pres-50 ent form of my invention the keeper comprises a metal loop 19 which is suitably lo- jacent post in the locking operation. cated near the base of the post 15 so as to The locking mechanism above described extend immediately under the lower guide is extremely simple, effective and durable. 55 bar 18 extends above the upper guide connections positive there is little liability 110

bracket 17 and is bent or offset, as at 20, to Be it known that I, Frederick W. Ewald, afford a shoulder which co-acts with the top 5 Union and State of New Jersey, have in- The upper end of the bar 18 is coupled to 60 vented certain new and useful Improve- a vertically swinging member 21 which is tion of the frame-bar, as at 22, the coupling This invention relates to locking mecha-being of such character that the upward provide a simple, inexpensive and durable positively translated to the locking bar so construction whereby a gate when closed as to move the latter respectively into and In the present instance the member 21 con-With this object in view my invention sists of a hasp which is mounted and ar- 70 standing eye-extension 23 which is embraced by the hasp when the latter is swung upon Figure 1 is a side elevation of a swinging the post. The upper end of the bar 18 has 75 anism embodying the preferred form of my tudinally-slotted horizontal arm 24 which is invention; the full and dotted lines show- loosely embraced by the limbs of the hasp, 25 ing positions, respectively.

ends with a cross-bolt 25 which extends 80 Fig. 2 is a vertical section through the freely through the longitudinal slot 26 of structure, as on the line 2-2 of Fig. 1, but the arm 24, thus providing a pivotal slidable showing the mechanism in unlocking po- coupling between the arm and the hasp.

The construction and relative arrange-The form of gate frame herein selected ment of the parts just described are such 85 for illustration comprises upper and lower that when the hasp is swung toward and rails 10 and end bars 11, 12. One end of from the top of the post 15, the bar 18, by the frame is hinged, as at 13 to spaced-apart virtue of the connection between the hasp brackets on an adjacent post 14, and the and the arm 24, is lowered and raised into improved mechanism whereby the gate when with the keeper, as shown by the full and closed can be locked to the adjacent post dotted lines, respectively, in Fig. 1. When 15. In the present instance the rails 10 and the hasp is swung upon the post 15 a suitthe bars 11, 12 are united by paired chan- able padlock can be applied to the eye-extenters Patent of the United States No. the bar in engagement with the keeper, thus 1, 273,359, dated October 29, 1918. effectually locking the gate in closed posi-

45 12 are the limbs of two guide brackets 17 swung upward to the position indicated by 100 for a vertically-movable gravity bar 18 the dotted lines in Fig. 1 the bolt connection which is adapted to be moved into and out between the hasp and the slotted arm is to of locking relation with a suitably disposed the left of the pivot 22 of the hasp, thus holding the bar 18 in its raised position until the hasp is manually swung toward the ad- 105

bracket 17. The upper end of the locking The constituent parts being few and their

of their getting out of order under the most having a hasp-receiving element, a station-

5 struction herein disclosed as the same may tween said hasp and bar whereby the motion claims.

I claim—

1. The combination with a grate structure 4. The combination with a gate structure 15 stationary keeper for said bar, a swinging having a hasp-receiving element, a station-20 guide portion, whereby the bar is raised and able coupling between the hasp and said lowered concurrently with the swinging arm. member.

3. The combination with a gate structure and the slot of said arm. having guide members thereon, of a verti- Signed at Garwood, in the county of 35 cally-movable locking bar mounted in said Union and State of New Jersey, this 15th members, a support located adjacent said day of March, 1921. bar when the gate is closed, said support

severe conditions of service. ary keeper for said bar, a hasp member piv-It is to be understood that I do not limit oted to the gate structure and movable to 40 my invention to the specific details of con- and from said element, and a coupling bebe modified within the principle of the in- of one is transmitted to the other to effect vention and the scope of the appended the locking or the unlocking of the hasp and bar in relation to the hasp-receiving ele- 45

ment and the keeper respectively.

ture, of a vertically-movable locking bar having guide members thereon, of a vertithereon having an angularly-disposed mem- cally-movable locking bar mounted in said ber fixed on the bar, said member having a members, a support located adjacent said 50 longitudinally extending guide portion, a bar when the gate is closed, said support member pivoted to said structure, and a ary keeper for said bar, a hasp-member pivconnector relatively fixed on said swinging oted to the gate structure and movable to member in spaced relation to the pivot of and from said element, an angularly-dis- 55 the latter and slidably mounted in said posed arm on said bar, and a pivotal slid-

5. The combination with a gate structure 2. The combination with a gate structure, having guide members thereon, of a verti- 60 of a vertically-movable locking bar thereon cally-movable locking bar mounted in said 25 having a longitudinally slotted angularly- members, a support located adjacent said disposed arm, a stationary keeper for said bar when the gate is closed, said support bar, a swinging member pivoted to said having a hasp receiving element, a stationstructure, and a bolt mounted on said mem- ary keeper for said bar, a hasp-member piv- 65 ber intermediate its ends and extending oted to the gate structure and movable to 30 loosely through the slot of said arm, where- and from said element, a longitudinallyby the bar is raised and lowered concur- slotted angularly-disposed arm on said bar, rently with the swinging member. and a cross-bolt extending through the hasp

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