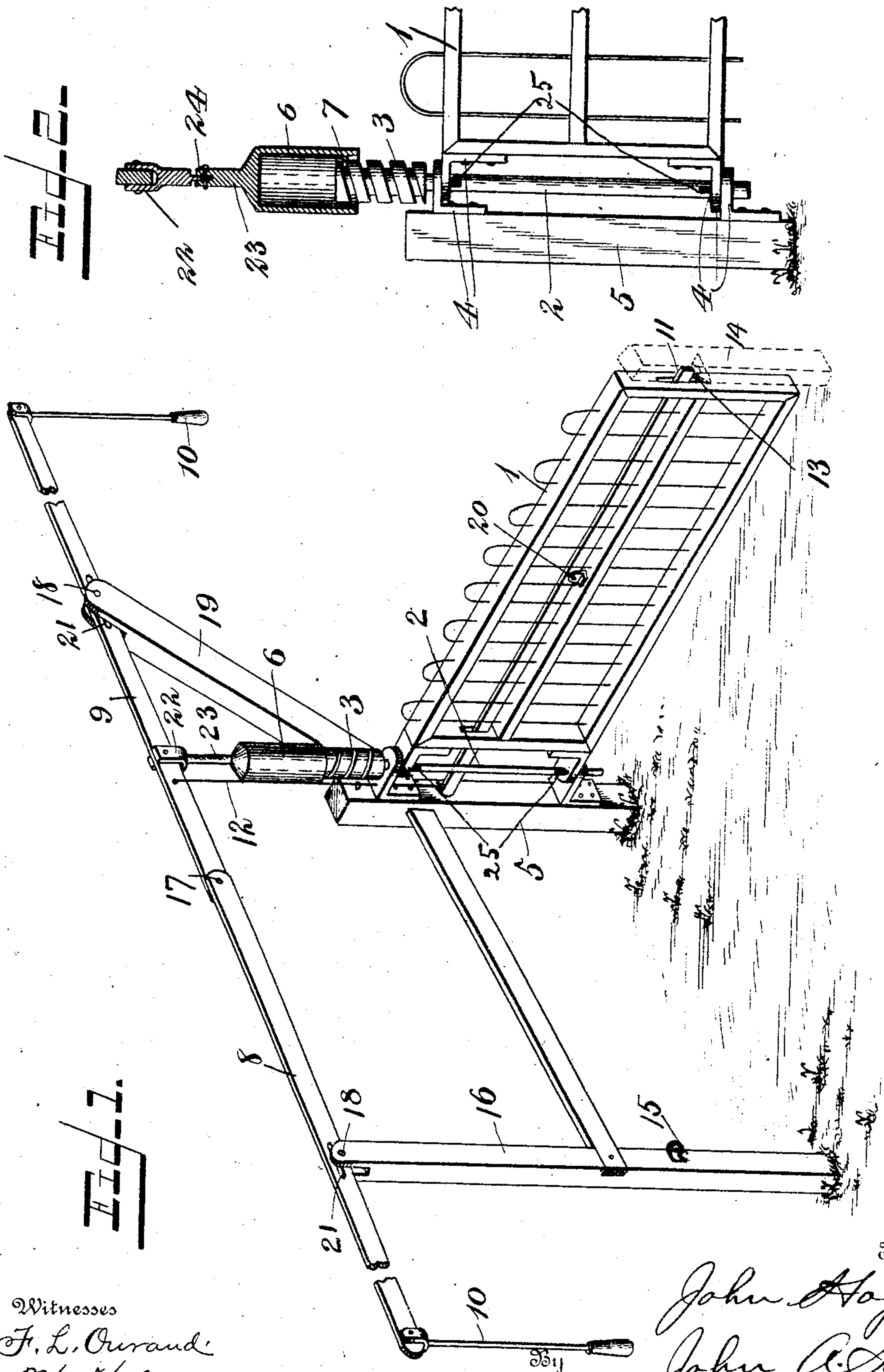


No. 786,440.

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J. HOGAN.
GATE.

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JOHN HOGAN, OF CHIPPEWA FALLS, WISCONSIN.

GATE.

SPECIFICATION forming part of Letters Patent No. 786,440, dated April 4, 1905.

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To all whom it may concern:

Be it known that I, JOHN HOGAN, a subject of the King of Great Britain and an applicant to become a citizen of the United States, residing at Chippewa Falls, in the county of Chippewa and State of Wisconsin, have invented certain new and useful Improvements in Gates, of which the following is a specification.

My invention relates to gates, and more particularly to that class of gates that may be operated through the medium of a lever or similar device by a person in a vehicle, conveyance, or the like from a distance without the necessity of leaving his seat.

In the drawings forming a part of this specification, and in which like symbols of reference represent corresponding parts in both views, Figure 1 is a view of the gate and its appurtenances in its closed position, and Fig. 2 is a sectional view of the gate and its operating mechanism with a slight modification of the same.

1 represents the gate, 2 a rod forming a hinge for the same, 3 a screw rigidly connected to the top of rod 2, and 4 hinge-plates connected to the gate and post 5 and connected by rod 2.

6 is a cap carrying a lug 7, said lug adapted to operate in the screw 3 when the levers 8 and 9 are manipulated by the hangers 10 to raise or lower the cap, and thus open or close the gate.

11 is a gate-latch operated by means of a link 12, pivotally connected to the rear of the same and to the lever 9, so that as the said lever is raised or lowered it operates the latch.

22 is a yoke connected to lever 9 and to the screw-cap. The rod 23, connecting yoke and cap, may, if desired, have a joint 24.

13 is a catch for the latch, the same being connected to the post 14, and 15 is a catch on post 16 to lock the gate and at the same time permit the latch to ride under the same when the gate is operated.

17 is a pin connecting levers 8 and 9, and 18 represents pins pivotally connecting levers

8 and 9 with post 16 and arm 19, said arm 19 being supported from the post 5.

20 is a plate in which the latch 11 is fulcrumed.

21 represents slots formed in the levers 8 and 9 to permit play of the same when they are operated.

25 represents keys to lock rod 2 to the hinge-plates.

The operation of the device is as follows: When the gate is in the position shown in the figures and it is desired to open the gate, the hangers are forced upward, thus depressing the cap 6, the same in turn operating the screw 3, said movement of the levers also raising the latch 11 and opening the gate. To close the gate, the hangers are drawn down, elevating the cap and closing the gate.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a gate, the combination with the supporting-rod of the same, of a screw directly connected with said rod, and a cap to operate in said screw.

2. In a gate, a lever, a hinge-rod supporting the gate, a screw connected with the rod, means for operating the screw from the lever, a latch, and a link connecting the lever and latch, so that as the lever is operated it simultaneously operates the latch and gate.

3. In a gate, a post supporting the same, a rod connecting the gate with the post by means of hinge-plates, a screw on said rod, a screw-cap operating in the same, a lever to operate the screw-cap, a latch fulcrumed to the gate, a link connecting the latch to lever, and means for manipulating the lever to operate the screw-cap and link.

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

JOHN HOGAN.

Witnesses:

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