

(Model.)

J. A. D. TAYLOR.

GATE.

No. 346,787.

Patented Aug. 3, 1886.

FIG. I.

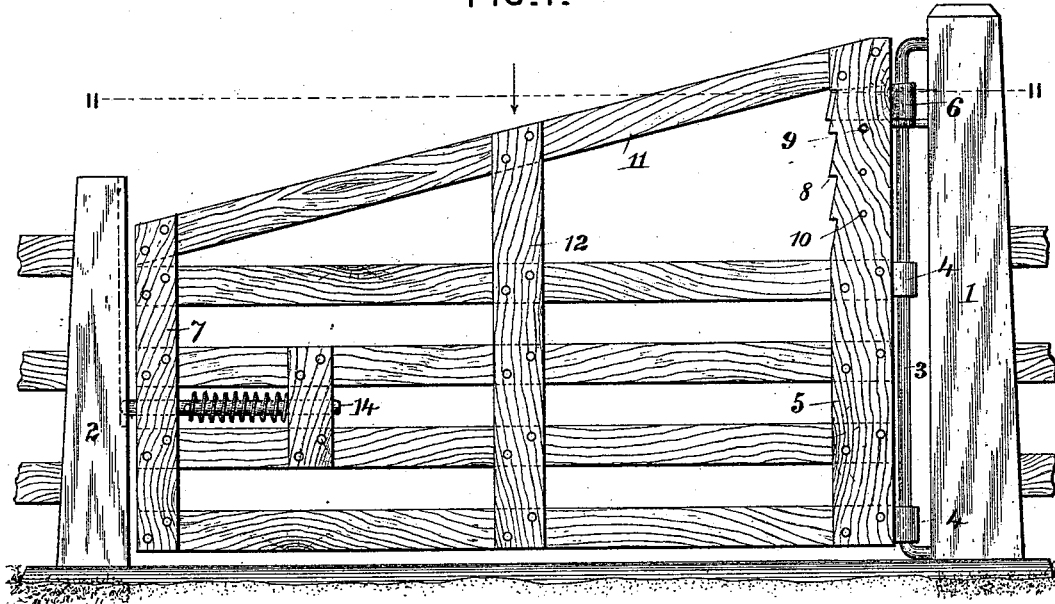
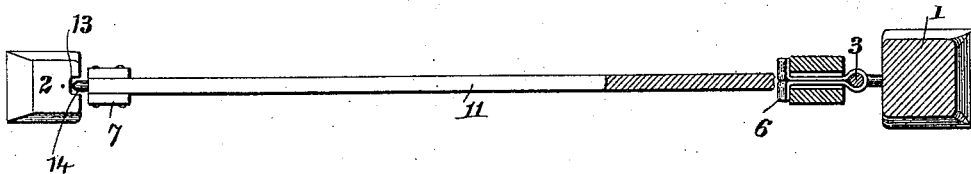


FIG. II.



Attest:

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By Knight Bros.
attys

UNITED STATES PATENT OFFICE.

JOSEPH A. D. TAYLOR, OF OSSIAN, INDIANA, ASSIGNOR OF ONE-HALF TO
JOHN H. HOOVER, OF SAME PLACE.

GATE.

SPECIFICATION forming part of Letters Patent No. 346,787, dated August 3, 1886.

Application filed February 25, 1886. Serial No. 193,196. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH A. D. TAYLOR, a citizen of the United States, residing at Ossian, in the county of Wells and State of Indiana, have made certain new and useful Improvements in Gates, of which the following is a specification.

My improvements relate to gates adapted to be adjusted up and down, so as to swing in a higher or lower plane, according to the quantity of obstruction, especially of snow, on the road-bed.

The invention consists in certain details of construction adapted to accomplish this object, and at the same time to simplify and strengthen the gate without adding to its weight.

I will first describe the invention with reference to the accompanying drawings and point out in the claims specifically the novel features.

Figure I is a side elevation, and Fig. II is a horizontal section, of my improved gate.

1 may represent the post on which the gate is hung, and 2 the locking-post. 3 is a cylindrical rod, bent and fixed to the post 1 at top and bottom, and surrounded by metal strap hinge or hinges 4, fixed to the hanging stile 5 of the gate. These hinges move up and down on the rod 3 when the gate is raised and lowered. 6, however, is a strap hinge arranged on the rod 3, so as to have horizontal, but not vertical motion. Its leaves project between the two parts of the stile 5, and are bent outward at their ends. The stile 5 is made of greater height than the lock-stile 7, and is provided on its inner face with a series of notches or teeth, 8, with which the ends of the leaves of hinge 6 are adapted to engage. The gate may, by means of such series of notches, be hung at any height upon the hinge 6, and when so hung may be fixed at the desired height by inserting the pin or bolt 9 in one of the holes 10, for the time being immediately over the hinge 6. The hanging stile 5 being of considerably greater height than the lock-stile 7, it is united to the top of the latter by an inclined top rail, 11, which thus serves as a brace. For greater rigidity and strength, the middle stile, 12, of the gate may be also extended sufficiently to be connected to the

center of the top rail. The locking-post 2 is provided with a vertical groove, 13, of a length at least equal to that of the series of notches 8. With the groove 13, at any height of adjustment of the gate, a spring-bolt, 14, may engage, the face of the post 2 on both sides of said groove being beveled off to facilitate the operation of the bolt.

I am aware that both a stile provided with a series of notches and engaged by a pivoted gravitating-strap, and a vertical series of holes in a stile for the reception of a pin, which engages over a hinge projecting through a slot in said stile, are old for retaining the gate at various heights, and these I do not claim.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In combination with a post and a gate whose hanging stile is provided with a series of notches or teeth on its inner face, a rod fixed to said post, hinges fixed to said hanging stile and capable of vertical movement on said rod, and a hinge held from downward movement on said rod and having projections engaging with said notches or teeth on said hanging stile, substantially as and for the purpose set forth.

2. In combination with a gate having a hanging stile made of two bars and provided with a series of notches on its inner face, a strap-hinge fixed as to vertical movement and having leaves passing between the bars of said hanging stile and bent over so as to engage with the notches or teeth thereon, substantially as and for the purpose set forth.

3. In combination with a gate having a hanging stile made of two bars, and provided with a series of notches on its inner face and with a vertical series of holes, a strap-hinge passing between the bars of said hanging stile and bent over so as to engage with the notches or teeth thereon, and a pin or bolt for occupying such one of said holes as may be immediately over the said hinge for locking the same in position, substantially as set forth.

JOSEPH A. D. TAYLOR.

Witnesses:

JOHN S. KREWSON,
RICHARD D. SCHOPMAN.