

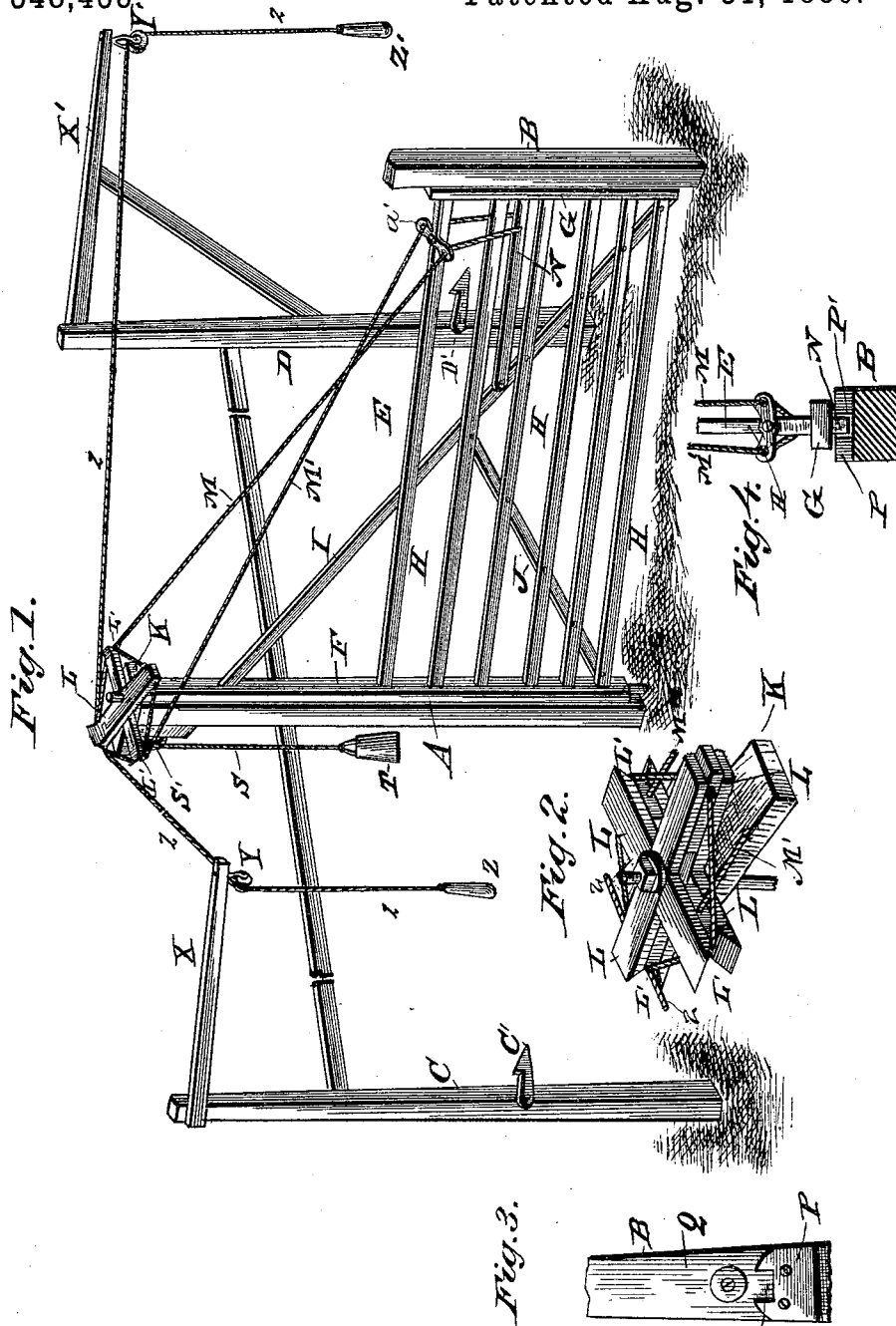
(No Model.)

L. D. WADE.

GATE.

No. 348,433.

Patented Aug. 31, 1886.



WITNESSES
Phillips
B. Fugitt.

Fig. 3.
INVENTOR
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UNITED STATES PATENT OFFICE.

LANSLATT DAVIS WADE, OF PUYALLUP, WASHINGTON TERRITORY.

GATE.

SPECIFICATION forming part of Letters Patent No. 348,433, dated August 31, 1886.

Application filed August 17, 1885. Serial No. 174,629. (No model.)

To all whom it may concern:

Be it known that I, LANSLATT DAVIS WADE, a citizen of the United States, residing at Puyallup, in the county of Pierce and Territory of Washington, have invented certain new and useful Improvements in Gates; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view of my gate. Fig. 2 is a similar view of the "reel." Fig. 3 is a detail view of the latch-post. Fig. 4 is a detail sectional view.

This invention relates to farm-gates; and it consists in the construction and novel combination of parts, as will be hereinafter fully described, and pointed out in the claim.

Referring by letter to the accompanying drawings, A designates the hinge-post, which extends up some distance above the swinging portion of the gate, and B designates the latch-post, which is considerably shorter than the hinge-post.

In line with the hinge-post A are two latch-posts, C and D, which are about the same height as the hinge-post A, and are each located at a distance therefrom on opposite sides of said hinge-post about equal to the length of the swinging gate E, which is composed of the vertical pintle-bar F, the vertical latch-bar G, the horizontal gate-rails H, and diagonal braces I J, of which the longer one, I, extends from near the top of the hinge-bar diagonally to about the bottom of the latch-bar G. The other brace, J, extends from the brace I rearwardly to near the bottom of the pintle-bar F, where it is secured, and both braces are secured to the gate-rails by bolts or nails in the usual manner.

Upon the top of the hinge-post is secured a cap-plate, K, which projects over two sides of said top. Upon the top of this cap-plate K is pivoted a cross-form reel, L, which is grooved at L' in the ends of the two side arms and in the end of its rear arm, to guide the cords $z z$, by which the gate is swung open in either direction, as may be desired. The pintle-rod

F passes through an aperture in the cap-plate K, and extends a sufficient distance above the same to form a pivotal bearing for the cruciform reel L.

M M' indicate the latch-cords, which are secured at one end to the reel. In the illustration these are secured to the lateral branches of the reel. The latch-cords pass through guide-eyes in a block, a', which is secured to the upper portion of the gate, and are connected with the latch-bar N.

The operating-cords $z z$ are both secured to the forward branch of the reel when the gate is in its normal position, and, after being carried in reverse directions around the branches of the reel, are passed in opposite directions from the rear branch, and carried through the guide loops or eyes in the arms X X'.

In operation it will be seen that when either of the operating-cords is pulled down the reel will turn on its pivot, simultaneously drawing one of the latch-cords to release the latch and throw the gate away from the operator. To reverse the operation and close the gate it is only necessary to pull the opposite cord z . The latch-post is provided with a keeper-plate, P, having a notch, P', in its upper edge, and this keeper P is beveled on opposite sides from the said notch, to guide the pivoted latch to place when the gate is closed from either side. The latch-posts C and D are also provided with keepers C' and D', to hold the gate open when it is swung in either direction to cause the latch to engage one of them. A pulley, S', is provided at the rear of the hinge-post, near its upper end, and a rope, S, secured to the rear arm of the cruciform reel, runs over this pulley, and is provided with a weight, T, at its lower end, to hold the gate normally in the closed position and to return it to said position when it has been released from either of the keepers of the aligned latch-posts. By this construction the gate can be opened and closed without either alighting from a vehicle or dismounting, if on horseback. The aligned latch-posts are provided with horizontal arms X X', which extend in the same straight line outwardly from them, and these arms X X' are provided with pulleys Y Y', over which the opening and closing ropes pass. At their

lower ends the opening and closing ropes *z* are provided with handles by which to operate said ropes. By pulling on either of the handles *Z Z'* the gate will be opened, if closed, in a direction away from the handle grasped. If open, the gate will be closed in a direction away from the handle grasped.

I am aware that it is not new to provide the hinge-post of a gate with a reel at its upper end and carry ropes therefrom to opposite sides of the gate for opening and closing the same, said gates also having a rope leading to the latch for releasing the same, and that such gates have been provided with a counterbalancing-weight, and therefore do not claim such devices, when broadly considered.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The improved gate herein described, consisting of the gate having the latch-cord guides

on its top rail, the pintle-bar secured to and forming the rear vertical bar of the gate-frame, and its upper end extending through and above the cap of the hinge-post, the criform reel pivotally held on the cap of the hinge-post by the pintle-bar, which also passes through the said cap of the post, the operating-cords secured to the rear branch of the reel and carried through pulleys on the arms of the latch-posts *CD*, the latch-cords secured to the lateral branches of the reel and their opposite ends secured to the latch-bar, and the counterbalance weight secured to the rear branch of the reel so as to normally hold the gate closed, substantially as specified.

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

LANSLATT DAVIS WADE.

Witnesses:

J. R. DILLOW,
J. V. MEEKER.