M. WEBER.

DEVICE FOR PREVENTING SAGGING OF GATE POSTS.

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1,214,623. Patented Feb. 6, 1917.

Fig. 1.

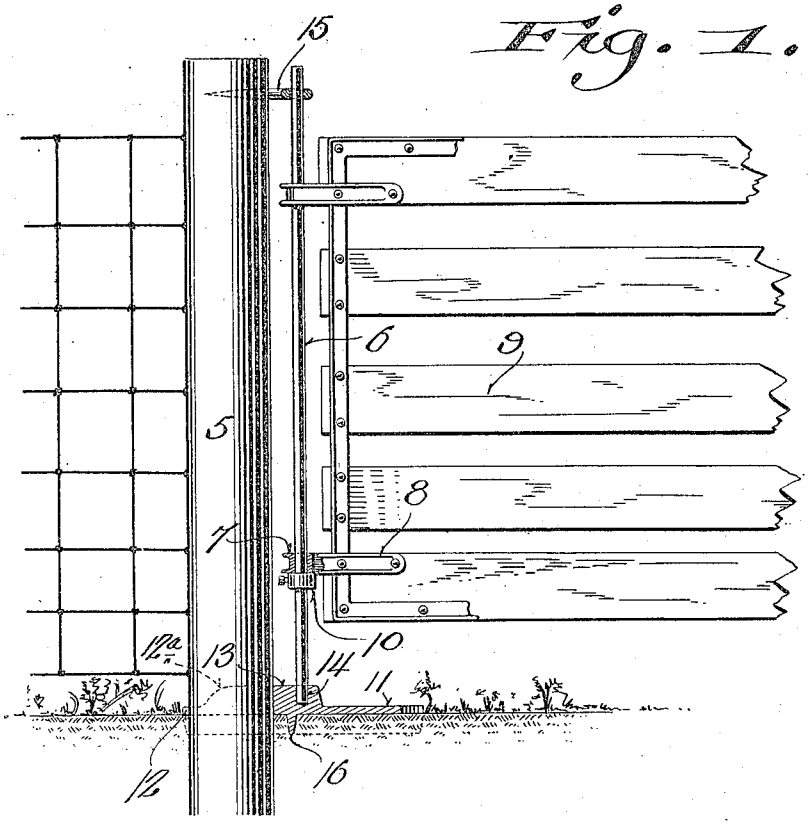
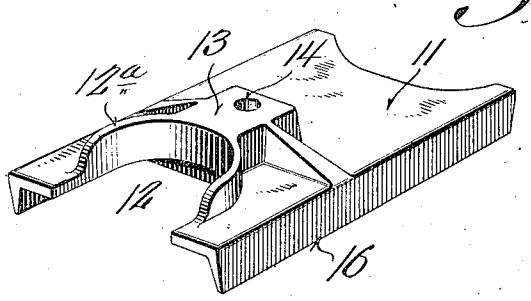


Fig. 2.



Witnesses:

Inventor:
Michael Weber
By George Young
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UNITED STATES PATENT OFFICE.

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DEVICE FOR PREVENTING SAGGING OF GATE-POSTS.

1,214,623. Specification of Letters Patent. Patented Feb. 6, 1917.

Application filed July 17, 1916. Serial No. 109,660.

To all whom it may concern:

Be it known that I, MICHAEL WEBER, a citizen of the United States, and resident of Kiel, in the county of Manitowoc and State of Wisconsin, have invented certain new and useful Improvements in Devices for Preventing Sagging of Gate-Posts; and I do hereby declare that the following is a full, clear, and exact description thereof.

The present invention is directed to new and useful improvements in gates more particularly of that type including a relatively long gate body adapted to swing across a roadway, and commonly termed farm gates. Owing to the relatively great weight of this type of gates and to the leverage exerted by the length thereof, together with the strains to which such gates are subjected in use, a common disadvantage arises in the sagging of the gate posts, which interferes materially with the operation of the gate.

It is the object of the present invention to provide an arrangement wherein the gate post is relieved of successive strain to prevent sagging thereof.

It is still further an object to provide such a device for preventing the sagging of a gate post which is of an exceedingly simple structure and which may readily be associated with various conventional types of gate structures now in use.

With the above and other objects and advantages in view, the invention resides more particularly in the novel combination, arrangement and formation of parts more particularly hereinafter described and particularly pointed out in the appended claims.

Figure 1 is a side elevation of a gate post and the adjacent portion of a farm gate showing the improved gate supporting means associated therewith. Fig. 2 is a perspective view of the gate supporting device.

Referring now more particularly to the accompanying drawings 5 designates a conventional gate post, with which is associated the vertical hinge rod 6 on which is mounted the upper and lower hinge eyes 7 carried by straps 8 secured to the upper and lower portions of the inner end of the gate body 9, the hinge eyes being held against longitudinal sliding movement on the hinge rod by an adjustable stop collar 10, all of the foregoing being conventional structure. The improved gate supporting device comprises a plate 11 which is adapted to seat on the ground at the bottom of the gate post and which is provided in one end with an open slot 12 adapted to receive the gate post, an upstanding flange 12^a surrounding the inner portion of this slot whereby the edge of the plate is prevented from cutting into the gate post. Formed on the plate immediately inwardly of the post receiving slot 12 is a boss 13 provided with a socket 14 seating the bottom of the hinge rod, the upper end of the hinge rod being secured to the upper end of the gate post, preferably by engagement through the head portion of a spike 15 driven into the gate post. By this arrangement the major portion of the weight of the gate rests on the plate 11, to thus relieve the post of sagging strain. The weight of the gate urges the block against the base of the post to thus hold it in place, and to assist further in holding the block in place longitudinal and transverse anchor ribs 16 are formed on the bottom of the plate and engage in the ground.

The present device can obviously be associated with assembled gate structures with but little trouble by simply removing the attaching means of the lower portion of the hinge rod to the post and permitting the rod to seat in the socket 14 of the plate, and in view of the open slot 12, the plate may be fitted about the gate post without detaching the fencing. It would, however, under certain instances be desired to associate the present device with a gate post in initially setting up the gate and the provision of an open slot is not essential as the plate may be provided with a closed opening for receiving the gate post.

In the closed position of the gate, the longitudinal tendency of movement of the plate is directly against the base of the gate post. When the gate is swung open, the plate would be effectively held against movement by its longitudinal anchor ribs 16 and by abutment of the side of the slot with the post.

I claim:

1. A device for preventing sagging of gate posts comprising a ground engaging plate adapted to fit loosely about a gate post, anchor ribs on the bottom of a gate plate and a gate supporting means carried by said plate.

2. A device for preventing sagging of gate posts comprising a ground engaging

plate provided in one end with an open slot adapted to loosely receive the bottom portion of a gate post, anchor ribs on the bottom of the plate and a gate supporting means carried by said plate.

In testimony that I claim the foregoing I have hereunto set my hand at Kiel, in the county of Manitowoc and State of Wisconsin, in the presence of two witnesses.

MICHAEL WEBER.

Witnesses:
W. J. TAYLOR,
W. J. RAHN.