(No Model.)

J. WADLEIGH.

FARM GATE.

No. 506,288. Patented Oct. 10, 1893.

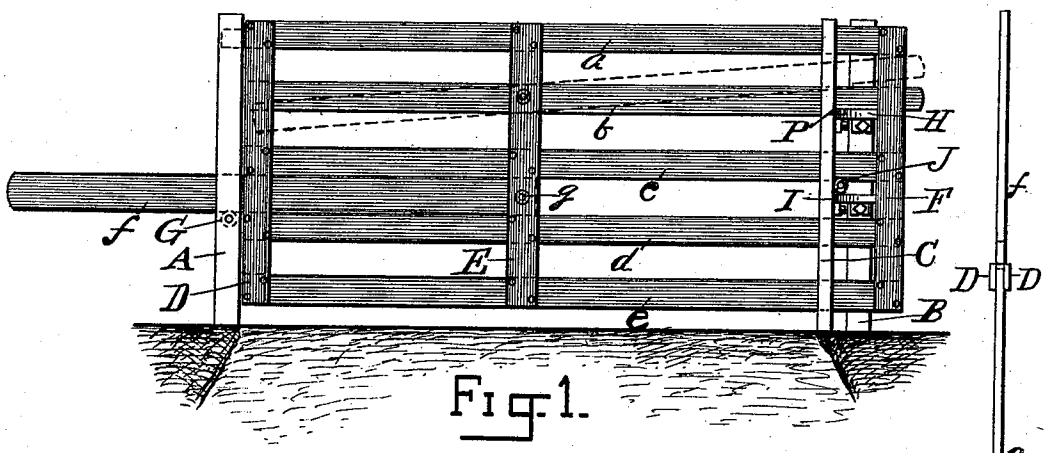

FIG. 1.

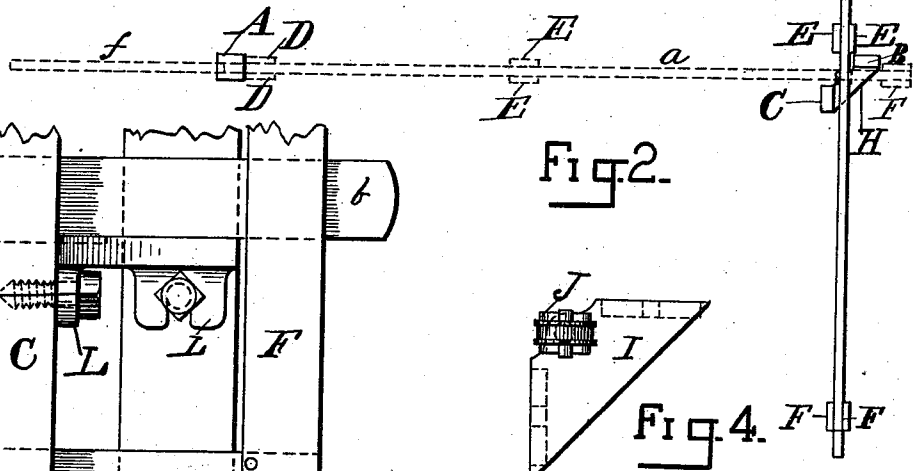

FIG. 2.

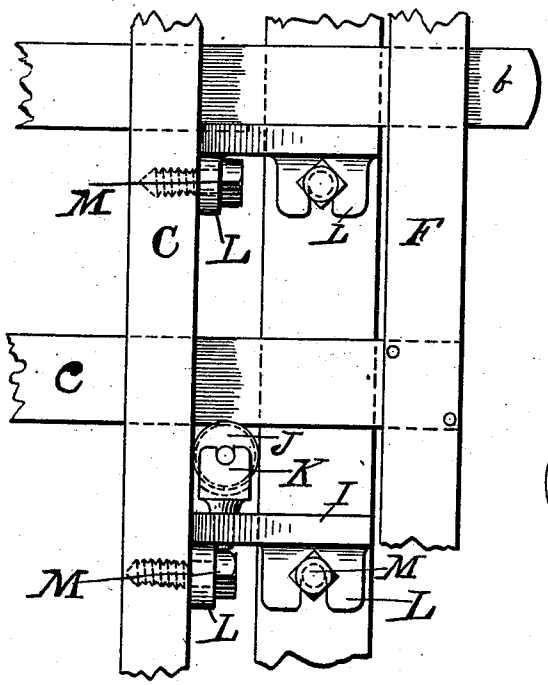

FIG. 3.

FIG. 4.

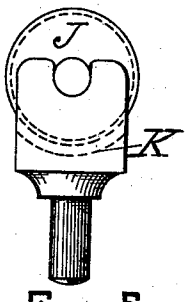

FIG. 5.

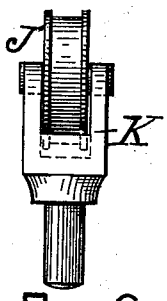

FIG. 6.

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UNITED STATES PATENT OFFICE.

JOSEPH WADLEIGH, OF MILKS GROVE, ILLINOIS.

FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 506,288, dated October 10, 1893.

Application filed July 6, 1893. Serial No. 479,731. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH WADLEIGH, a citizen of the United States, and a resident of Milks Grove, Iroquois county, (post-office address Herscher,) State of Illinois, have invented new and useful Improvements in Farm-Gates, of which the following is a specification, reference being had to the annexed drawings, illustrating the invention, in which—

Figure 1, is an elevation of a gate, in which is embodied my invention; Fig. 2, a plan of the gate as swung open; Fig. 3, an enlarged upper rear portion of the gate; Fig. 4, a plan of the angle bracket and pivoted roller on which the gate runs and turns, enlarged and removed from the other portions; Figs. 5 and 6, different views of the pivoted roller removed from the bracket.

The nature of invention, construction and operation of the gate will be fully comprehended by the following detail description:

A, B, C, represent the three posts which are now ordinarily employed to support a sliding and swinging gate. It has been the custom to secure thin horizontal strips of timber to the rear posts C, B, to support the rear portion of the gate when the gate is shut, for the gate to slide on when being run back, and for the gate to be turned to one side; but in practice it is found that such strips are insufficient to support the posts in parallel positions, and they soon become useless by reason of wear both to themselves and to the rail boards of the gate. The gate selected is one which can be run back about half its length and be turned one fourth round to give the required passage way. The battens of the same are shown at D, E, F, and the rail boards at *a*, *b*, *c*, *d*, *e*; a single rail *f*, embraced within the battens D, E, extends through and out from the post A, to about half the length of the gate to support the front end thereof till the gate will substantially balance on its pivoted rear roller support. I, represents a substantially three cornered metal bracket which is provided with slotted lugs L, L by means of which and of screws M, turned into the posts C, B; or of ordinary bolts put through the post, the bracket is firmly held in place. A roller stand K supports a flanged roller J in a manner freely to rotate, a hole or bearing being formed vertically in the bracket for the pivot of said stand to turn in, that the roller may turn laterally with the lateral swing of the gate, and the rail bar *c*, be kept substantially at right angles to the axis of the roller J. A bracket H of like construction to bracket I is secured above the lower bracket I to the posts C, B, by like means; and its purpose, aside from supporting the upper portion of said posts is to form a catch for rail-bar *b*. This bar is pivoted to the central batten E, and its ends are free to move vertically between the battens D and F, the back end from the pivot being the heavier the notch P will engage the edge of the bracket H and lock the gate shut. In practice the brackets hold the posts B, C, at all times parallel and the same distance apart and the gate is moved with much less power; and the wear on the parts is merely nominal.

The roller G, within the post A, supports the rail *f*, and the rail supports the inner end of the gate, till the gate is nearly on a balance.

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

An improvement in farm gates, consisting of vertical battens and horizontal rail boards, an extension board at the front end of the gate which projects through the single jamb post and supports the gate, a bracket uniting the rear posts, a roller stand pivoted vertically thereto and carrying a flanged roller, an upper bracket plate secured also to the rear posts and serving as a gate catch, and a pivoted latch board provided with a notch to engage the upper bracket as specified and shown.

JOSEPH WADLEIGH.

Witnesses:
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R. F. WADLEIGH.