

(No Model.)

F. J. LEE.
Gate.

No. 230,951.

Patented Aug. 10, 1880.

Fig. 1.

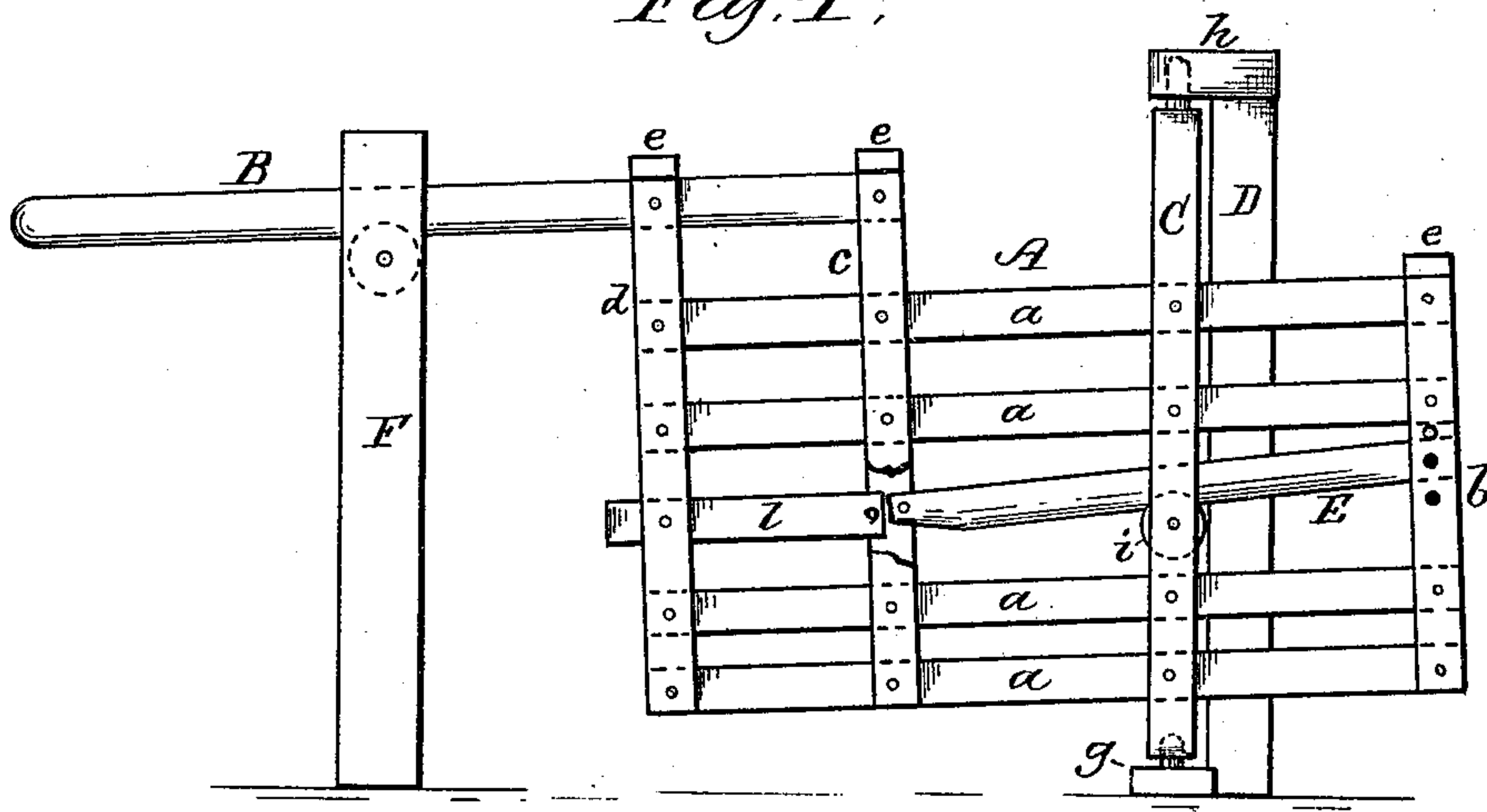


Fig. 2.

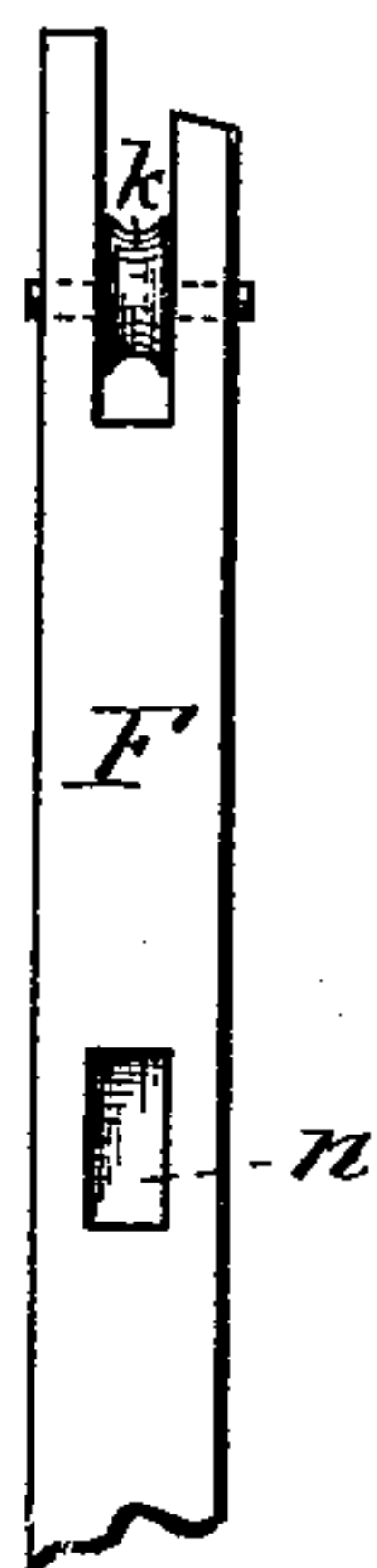
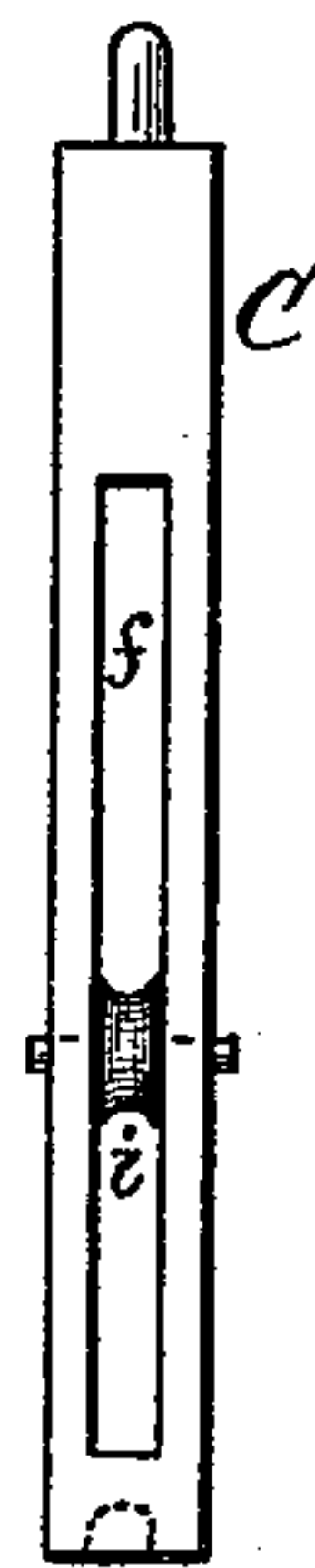


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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GATE.

SPECIFICATION forming part of Letters Patent No. 230,951, dated August 10, 1880.

Application filed June 28, 1880. (No model.) Patented in Canada March 7, 1880.

To all whom it may concern:

Be it known that I, FREDERICK J. LEE, a citizen of the United States, residing at Mallorytown, in the county of Leeds, Province of Ontario, Canada, have invented certain new and useful Improvements in Gates; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a side elevation of my invention with the gate partly opened. Fig. 2 is a detail view of the post against which the gate closes; and Fig. 3 is a detail view of the pivoted post through which the gate plays in opening and closing it.

This invention has relation to certain new and useful improvements in the construction of farm-gates, whereby the gate is readily and conveniently swung open when desired, and automatically closed by gravitation, as illustrated in the drawings and hereinafter described.

In the accompanying drawings, A represents the gate, composed of a series of horizontal slats, *a*, connected to vertical braces *b c d*, the end of braces *c d* being provided with caps *e*, for weather protection.

The gate A passes through a central slot, *f*, in a swivel-post, C, said post being axially pivoted at its lower end to a ground-block, *g*, the same having a fixed pin which enters a hole in the lower end of the post.

The upper end of the post C is provided with a pin which enters a hole or recess in the under side of a cap, *h*, upon a stationary post, D.

The swivel-post C has a roller, *i*, located within the slot *f*, with its bearing transversely in the sides of the post forming a support for a bar, E.

The bar E at one of its ends is pivoted to

the vertical brace *c*, the opposite end being adjustably connected to the brace *b* by a bolt, *l*, passing through one of a series of holes, *m*, in the brace and through a corresponding hole in the end of the bar, so that the bar can be set at the required inclination from a horizontal position.

The arm B rests upon a roller, *k*, in the bifurcated end of a stationary post, F, against which the end of the gate closes, the projecting end of one of the horizontal slats *a* entering a mortise, *n*, in the post to hold the gate against lateral displacement.

The gate is pushed along through the slot in the post C until the brace *c* comes in contact therewith, when the gate is on a balance and the swivel-post C admits of the gate being swung around at right angles to its former position.

When it is desired to close the gate after being swung back the inclination of the bar E bearing upon the roller *i* will cause the gate to close by its own gravity. The change in the inclination of the bar E, or when set to any incline, the gate will close either fast or slow, as the case may be.

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

The gate A, having an adjustable inclined bar, E, in combination with the swivel-post C, having slots *f* and roller *i*, and the posts D F, the latter being bifurcated at its upper end and having roller *k*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FREDERICK JAMES LEE.

Witnesses:

CHARLES WALTON,
JOHN I. CORNWALL.