J. Kindel,

Gate Latch.

No. 100,044. Patented Feb. 22. 1870.

FIG. 1.

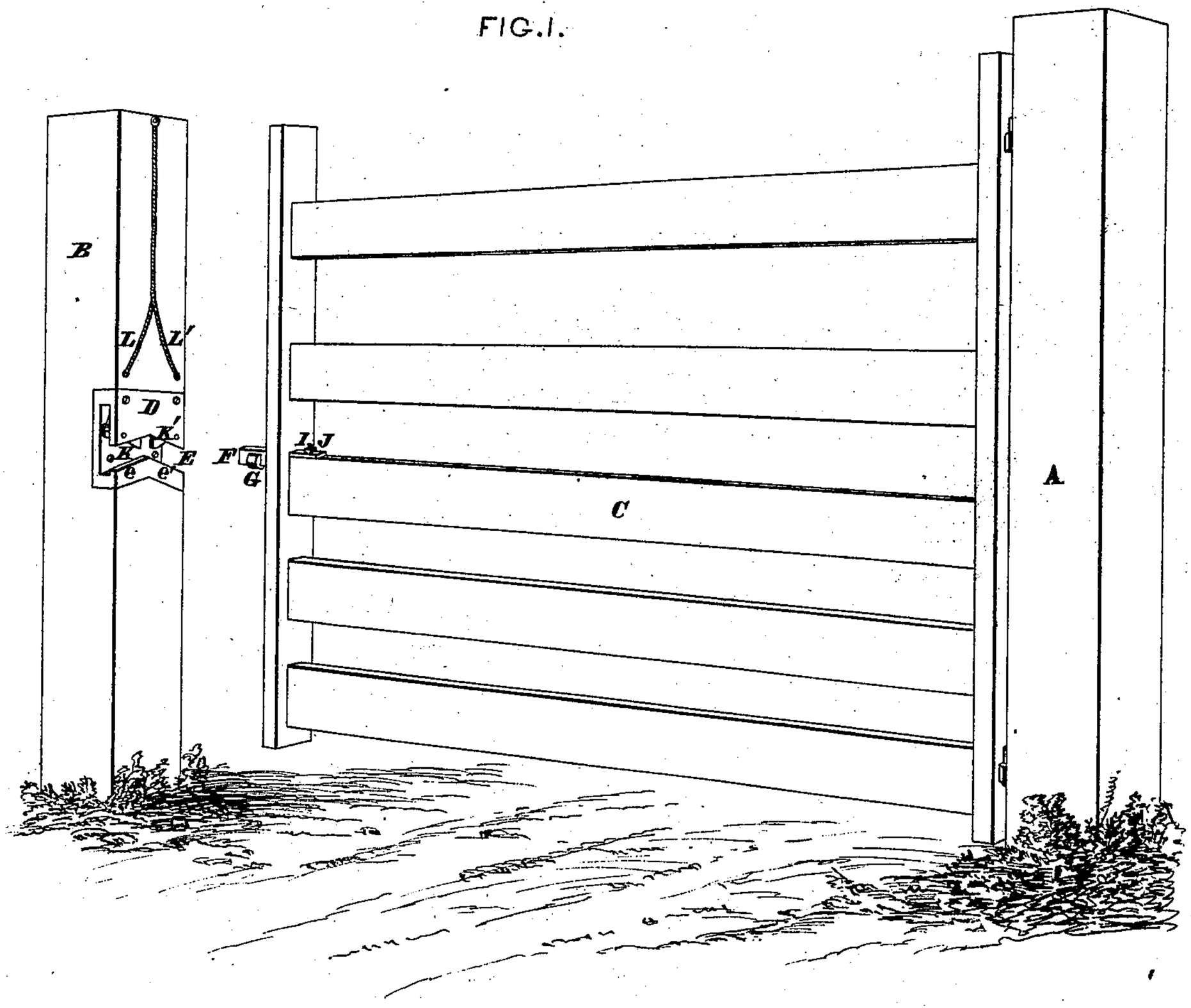


FIG. 2.

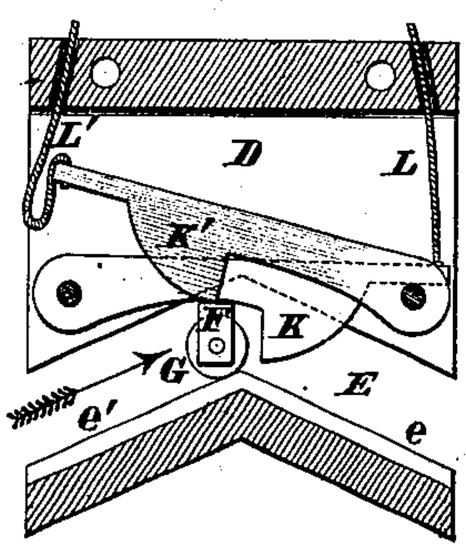


FIG. 3.

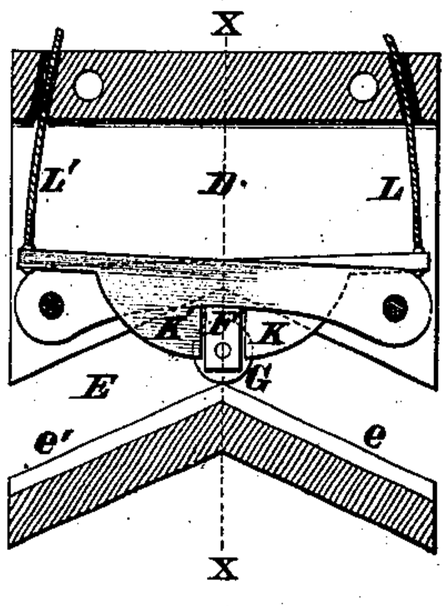
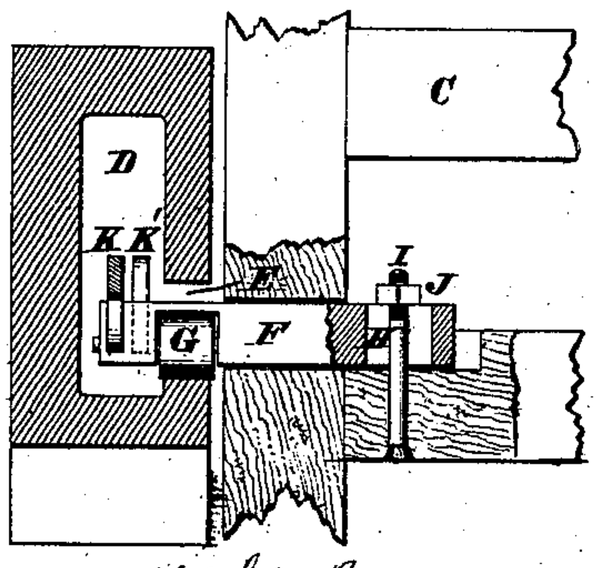


FIG. 4



ATTEST.

Jas. H. Layman.

H. G. Wilson

Knight. Bros.,
Attorneys. of
James Kindel

United States Patent Office.

JAMES KINDEL, OF WILMINGTON, OHIO.

Letters Patent No. 100,044, *dated February* 22, 1870.

IMPROVEMENT IN LATCHES FOR GATES

The Schedule referred to in these Letters Patent and making part of the same.

I, JAMES KINDEL, of Wilmington, Clinton county, Ohio, have invented a new and useful Gate-Latch, of which the following is a specification.

My invention relates to a gate-latch which is self-closing from either direction, and when closed operates to support the free end of the gate, so as to relieve both it and the hinge-post from the liability to settle or "sag."

My improvement consists in the combination of a double-inclined rail or support on which a fixed latch on the gate rises in closing, and independent catches to retain it in either direction, said catches being extended each to the opposite side from which it is pivoted, and operated by a cord or wire attached to its free end.

General Description with Reference to the Drawings.

Figure 1 is a perspective view of a gate provided with my improved latch.

Figures 2 and 3 are transverse sections of the latch in the open and closed conditions respectively, and to an enlarged scale.

Figure 4 is a longitudinal section in the line *x x*, fig. 3.

A represents the hinge-post.

B, the latch-post.

C, the gate.

That side of the latch-post nearest the gate is excavated to receive a metallic box, D, having a slot, E, in form of an obtuse inverted V, whose lower edge forms a double inclined plane, *e e'*, for the impingement and support of my latch proper, which consists of a pin or bolt, F, firmly attached to and projecting from the end of the gate, and which in my preferred form is furnished with a roller, G, to diminish the friction of the latch in ascending and descending the inclined plane.

My latch is also preferably provided with a slot, H, to receive the fastening bolt I, and to enable the adjustment in or out of the latch when the nut J is slackened.

In the closed condition of the gate the latch is caught and held to its place of rest on the extreme apex of the inclined plane *e e'* by two independent gravitating catches, K K', which are pivoted to the box D.

Cords, thongs, or rods, L L', attached to the free ends of these catches, enable one or both of them to be easily lifted by pulling directly upon the said cord or rod, or by depressing a suitable lever attached thereto.

Claim.

The combination of the fixed latch F, doubly-inclined rail or slot E, and independent catches K K', extended each to the other side from which it is pivoted, and operated by a cord or wire, L, attached to its free end, all substantially as and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

JAMES KINDEL.

Witnesses:

GEO. H. KNIGHT,

JAMES H. LAYMAN.