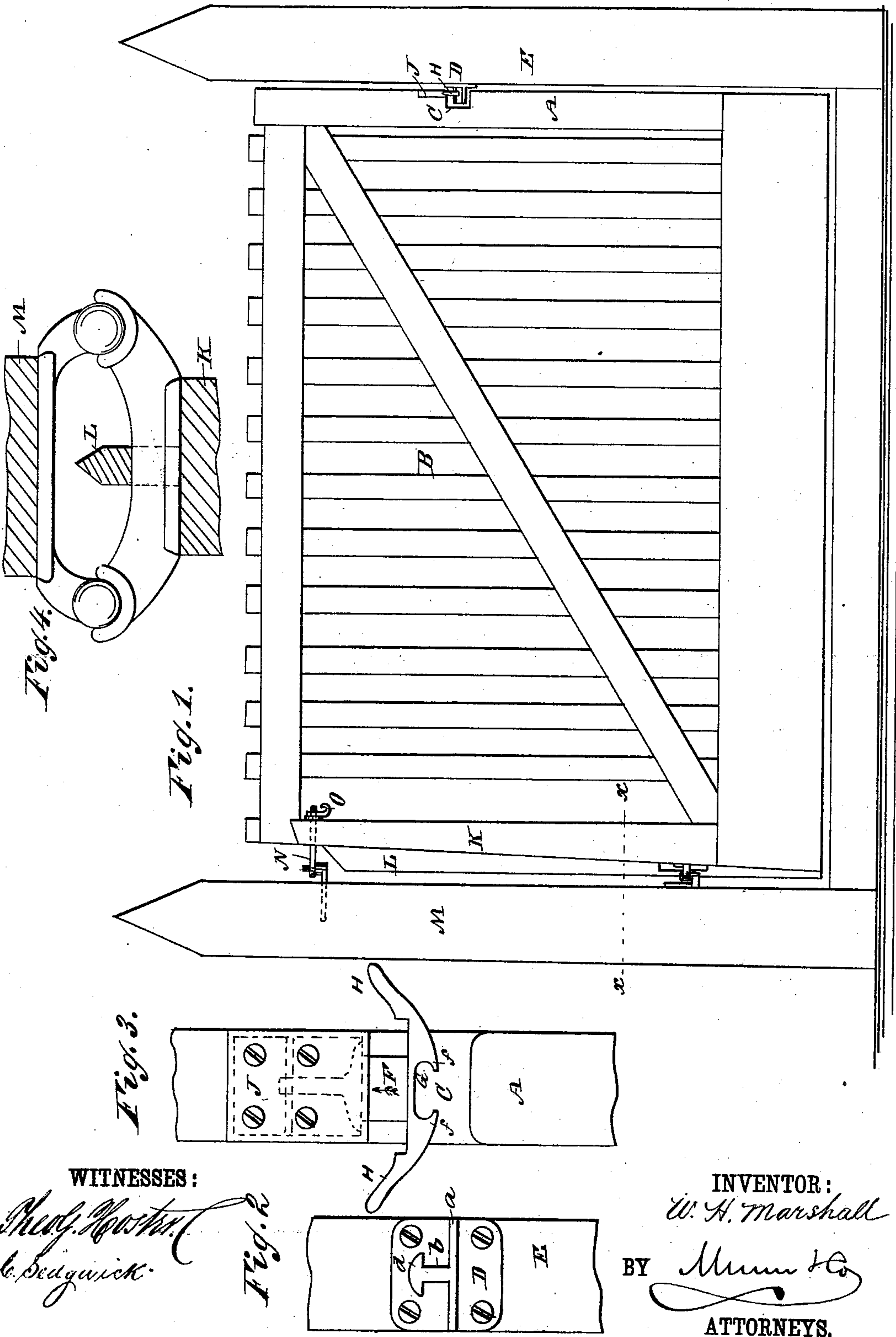


(No Model.)

W. H. MARSHALL.  
GATE LATCH.

No. 261,010.

Patented July 11, 1882.



WITNESSES:

*Thos. H. Porter*  
*C. Sedgwick*

*Fig. 2*

INVENTOR:

*W. H. Marshall*

BY

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# UNITED STATES PATENT OFFICE.

WILLIAM H. MARSHALL, OF OXFORD, MISSISSIPPI.

## GATE-LATCH.

SPECIFICATION forming part of Letters Patent No. 261,010, dated July 11, 1882.

Application filed April 3, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. MARSHALL, of Oxford, in the county of Lafayette and State of Mississippi, have invented certain new and useful Improvements in Gate-Latches, of which the following is a full, clear, and exact description.

The object of this invention is to provide a new and improved lock for gates.

The invention consists in combining a recessed outer end bar and a latch having a recess with lugs at its bottom, beveled projecting arms, and sliding vertically in a box with a ridged and flanged projecting catch-plate, as hereinafter described.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of a gate, showing my improvement; Fig. 2, a front elevation of the projecting catch on the gate-post; Fig. 3, a front elevation of the sliding latch on the outer end bar of the gate. Fig. 4 is a sectional plan view of the inner end bar of the gate on the line *x x*, Fig. 1.

The outer or swinging end bar, A, of the gate B is provided in its outer edge with a recess or notch, C, adapted to receive the catch D, projecting from the gate-post E, which catch D is formed of a projecting plate, *a*, provided with a ridge or rib, *b*, provided with a longitudinal head or flange, *d*.

The sliding latch F, provided at its lower end with a recess, G, and with two beveled projecting arms, H, is adapted to slide vertically in a box, J, mortised in the face edge of the bar A above the recess C.

Two lugs, *f*, projecting toward each other, are formed at the bottom of the recess G of the sliding latch.

K represents the inner beveled end bar of the gate, to which is attached the filling-piece L.

The upper eyebolt, *m*, of the gate has its inner end screw-threaded, and on this threaded end a winged nut, *o*, or equivalent device is screwed.

The operation is as follows: If the gate is being closed, the beveled or inclined arms H slide over the head of the catch D, whereby the sliding latch F will be raised until the recess G is over the head *d*. Then the latch F drops, the head *d* passing into the recess G. The jaws *f* catch under the edges of the head or flange *d*, and thus hold the latch F on the catch D. If the gate is to be opened, the latch F must be raised to disengage it from the catch D; but in shutting the gate the lock works automatically. The gate cannot be opened by animals by raising the gate, for before the gate can be raised sufficiently to disengage the latch F from the catch D one of the lugs *f* at the side of the notch or recess C strikes against one of the flanges *d* of the catch D and prevents further raising of the gate. The outer edge of the bar A rests very closely against the post E as the catch D passes into the recess C on the bar A.

I am aware that a latch sliding in a recess in the gate-post and provided with oppositely-projecting side arms and a recess in its lower face adapted to engage with a catch on the outer end of the gate has heretofore been employed, and I therefore lay no claim, broadly, to such construction, my invention being confined to the precise construction of parts as pointed out in the claim.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the outer end bar, A, of the gate, provided with the recess C, the box J, and the sliding latch F, provided with the beveled projecting arms H, and the recess G, having inwardly-projecting lugs *f*, of the gate-post E, provided with the catch-plate D, having the horizontal projecting plate *a*, provided with the rib *b* at right angles thereto, and having the head *d*, substantially as and for the purpose set forth.

WILLIAM H. MARSHALL.

Witnesses:

GEO. L. CROFFORD,  
JNO. H. KIMMONS.