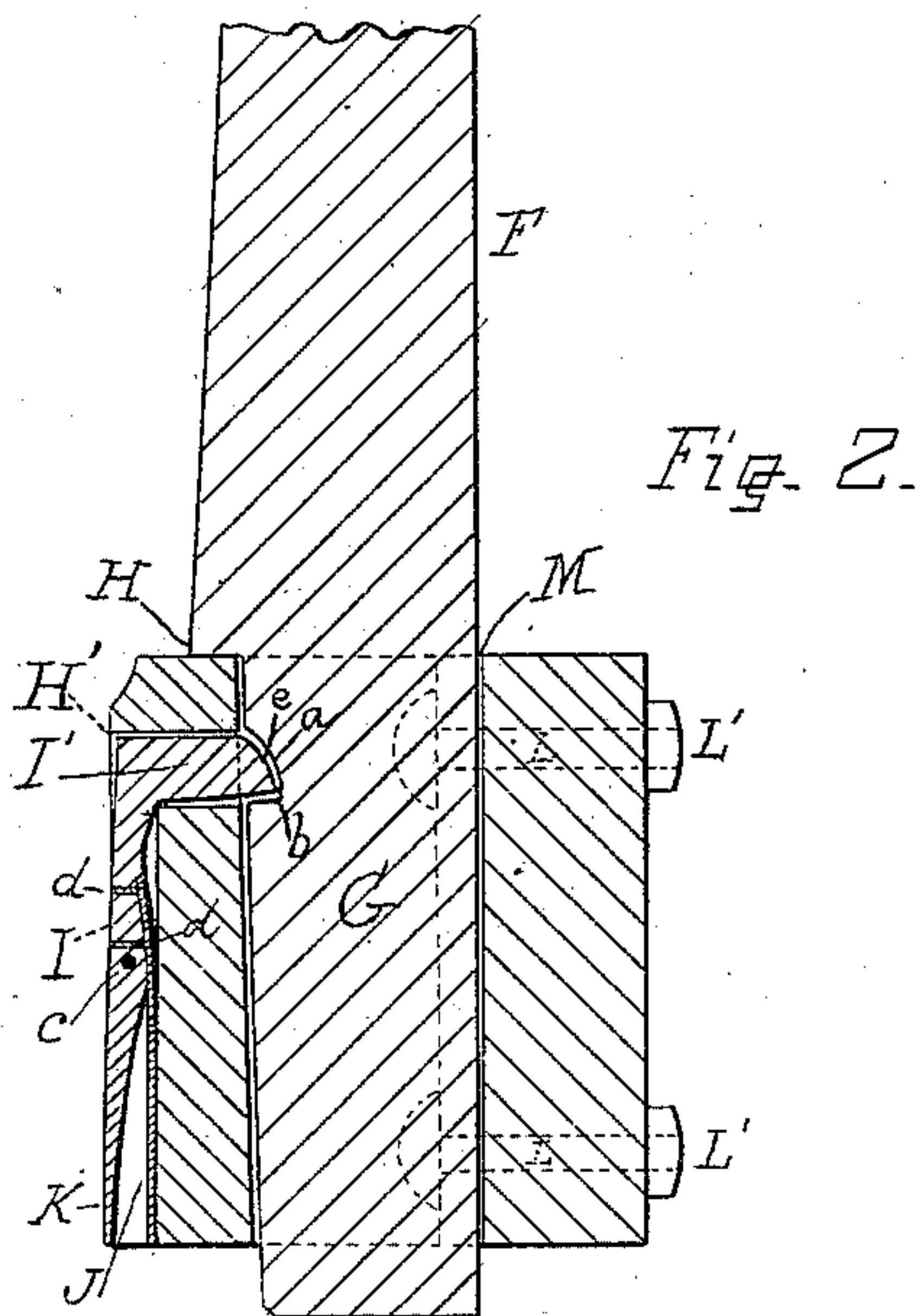
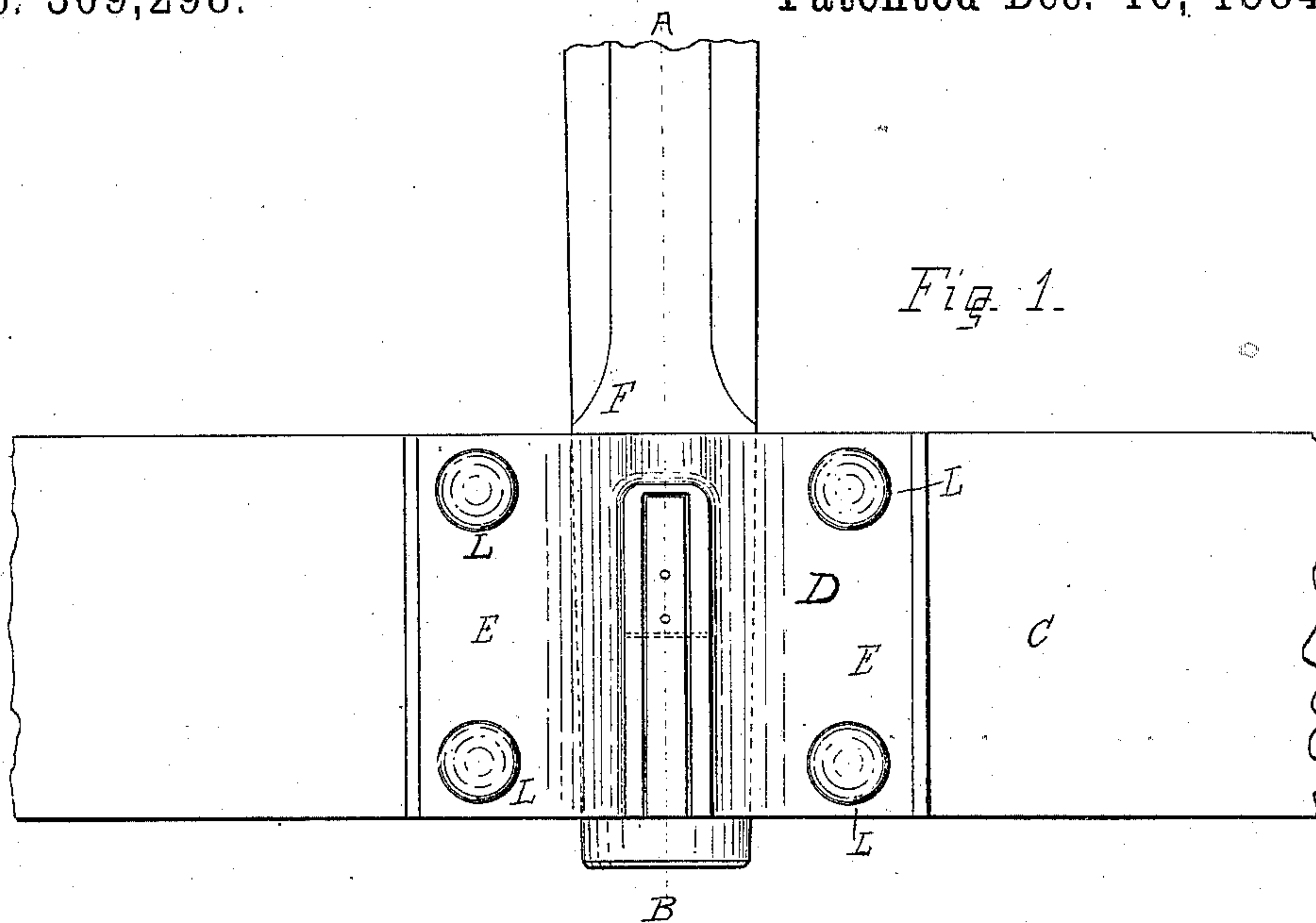


(No Model.)

L. D. FULLER.  
STAKE HOLDER FOR VEHICLES.

No. 309,298.

Patented Dec. 16, 1884.



Witnesses;  
Thos. H. Dwyer  
Chas. D. Gay.

Inventor;  
Lafayette D. Fuller.

# UNITED STATES PATENT OFFICE.

LAFAYETTE D. FULLER, OF CHARLTON, MASSACHUSETTS.

## STAKE-HOLDER FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 309,298, dated December 16, 1884.

Application filed August 14, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, LAFAYETTE D. FULLER, of Charlton, in the county of Worcester and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Stake-Fasteners for Cars, Carts, and other Vehicles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a side view of my invention as it appears when applied to use; and Fig. 2 is a longitudinal vertical section on line A B, Fig. 1.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

The nature of my invention consists in the combination, with the side rail of a car, cart, or other similar carriage, and a notched stake, of a stake-box provided with a spring locking device, as will be hereinafter more fully described.

In the drawings, the part marked C represents a section of the side rail, to which the box D is attached. In this instance the box D is attached to the rail by four bolts, L, provided with nuts L', said bolts passing through the side flanges, E E, of the box.

F represents a section of a stake, the lower front part, G, being cut away to form the shoulder H, which rests upon the top of box D, which in turn is cut out to receive the catch or locking piece I, pivoted in said slot at *c*, and having a flat steel spring, J, fastened to its under side by pins *d*. This spring J keeps the hooked end I' of catch or locking piece I in the notch *a* in stake F, the under or flat side of end I' resting upon the square shoulder *b* in the stake F, as fully shown in Fig. 2 of the drawings, thereby retaining the stake securely in place, so that it cannot be removed until the lower end, K, of piece I has been depressed or forced into the slot in box D far enough to withdraw the locking end I' from stake-notch *a*. The front upper end of locking end I' is rounded or beveled off, as seen at *e*, Fig. 2. The stake-box D, it will be observed, is open on the side next to

the rail, the rail serving as a support to the stake on that side of the box. When the end G of the stake is passed into the upper end of the slot or opening M in box D, it strikes on the rounded edge *e* of the locking end I' and forces it back as it descends until its shoulder H rests upon the top of the box, when catch or locking piece I' is thrown by action of spring J into the position shown in Fig. 2. As locking end I' passes through an opening, H', in box D it is well supported and protected, and is therefore not liable to be injured or displaced when in use.

Those skilled in the art to which my invention belongs will readily perceive that the device is not liable to become clogged by dirt, pieces of coal, or similar obstructions, since the box is open at the bottom and the pivoted locking-piece I is arranged in a slot in stake-box D, which is also open at the bottom, thereby preventing the retention in the slot of obstructions; also, that by making the inner end of the locking-piece I' curved or beveled it is thrown back by the simple insertion of the stake, and the locking-piece does not, therefore, require the attention of the operator, excepting to release it when the stake is to be removed.

I am aware that a patent was granted to B. F. Bean, July 1, 1862, for "improvement in wagon-standards;" but my device is constructed substantially different and for a different purpose, and I hereby disclaim anything shown or described in said Bean's patent.

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

The combination, with rail C, stake-box D, open at the bottom and on the side next to the rail to receive the notched stake F, of the pivoted locking-piece I, beveled or curved locking end I', and spring J, said parts being constructed and arranged in relation to each other substantially as and for the purpose set forth.

LAFAYETTE D. FULLER.

Witnesses:

THOS. H. DODGE,  
CHAS. D. GAY.