

O. R. Parmele's PATENTED

DEC 17 1867

Stake Holder for Cars.

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Fig. 1.

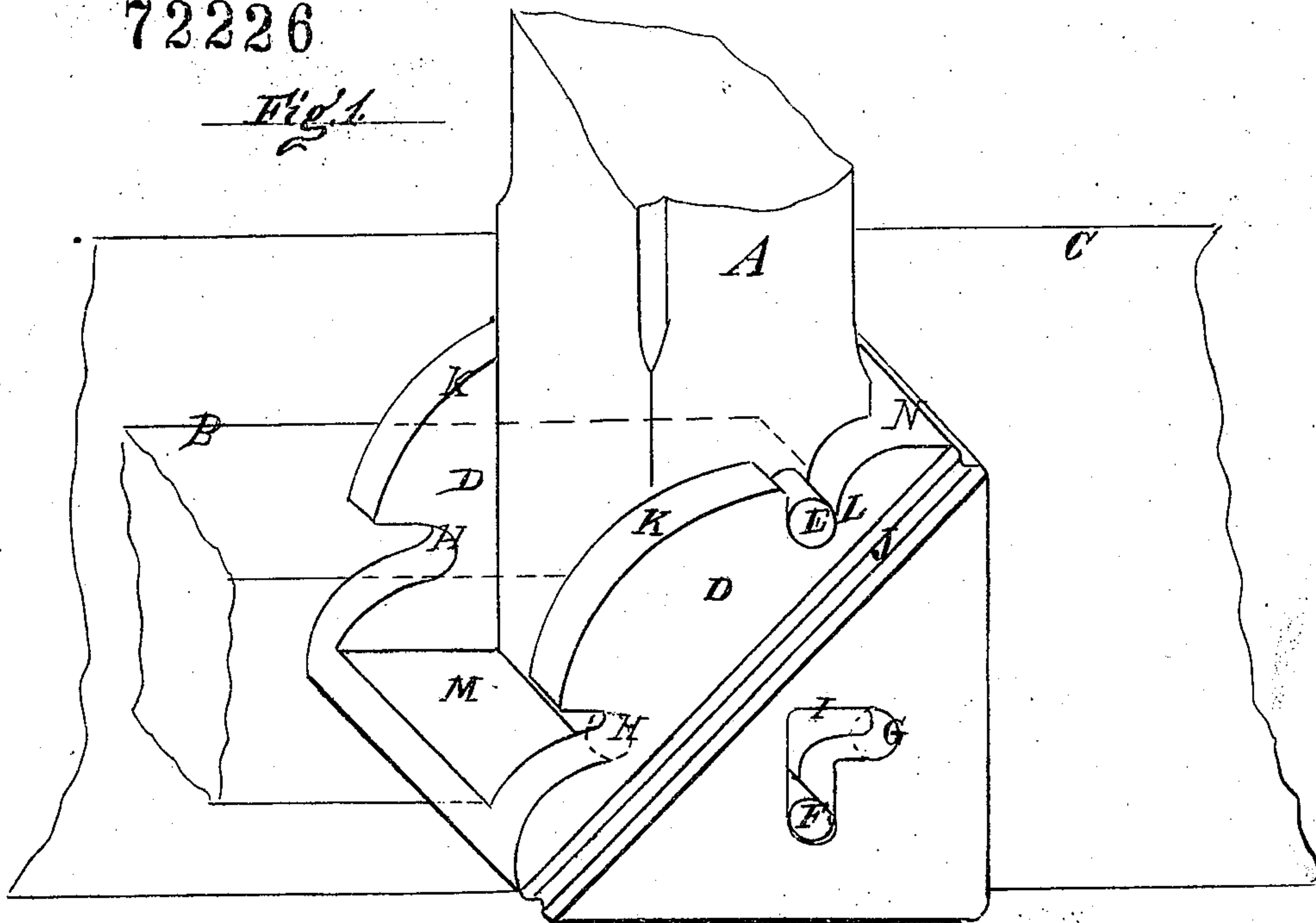
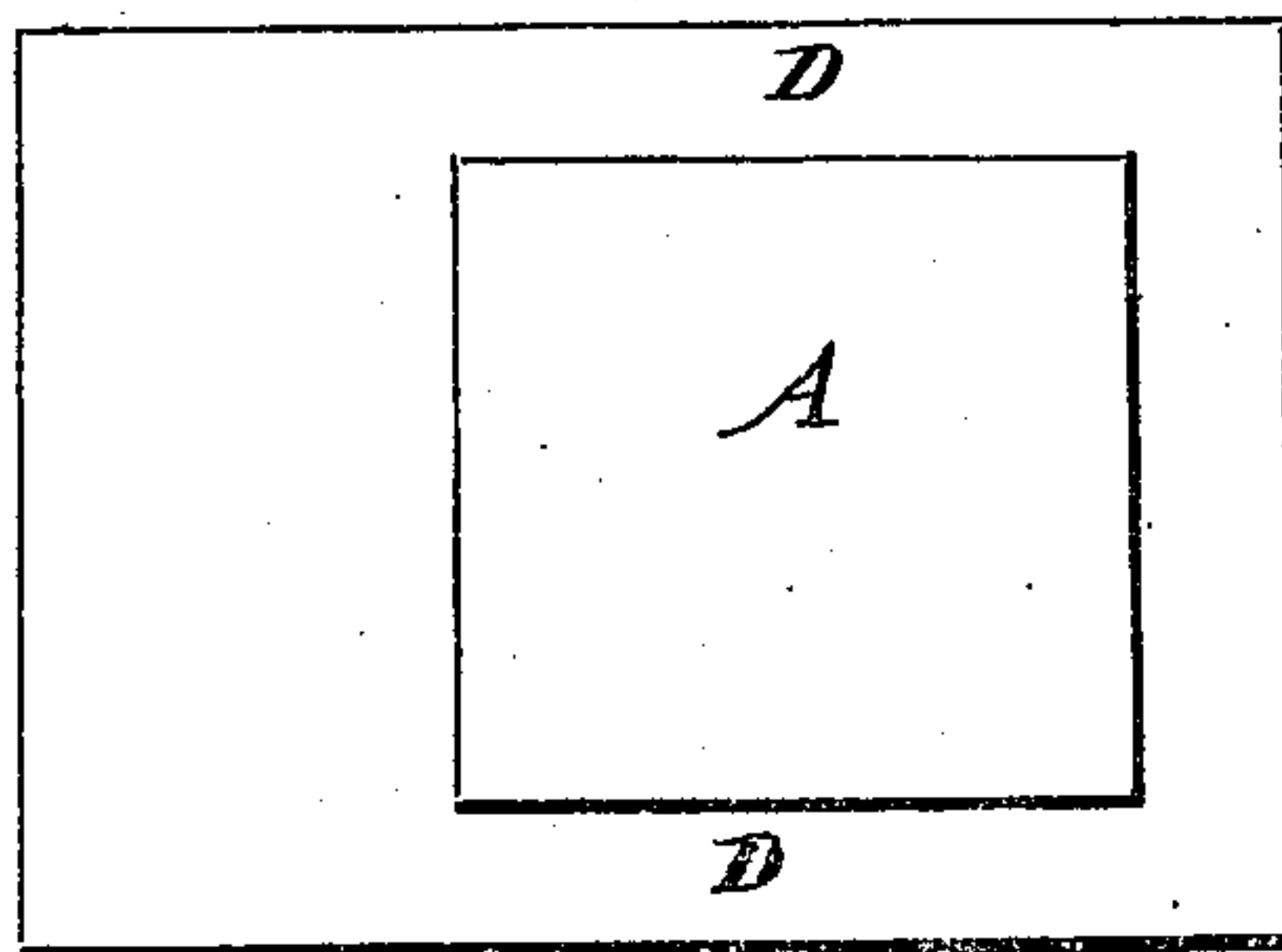


Fig. 2.



witnesses.

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O. R. PARMELE, OF AURORA, ILLINOIS.

*Letters Patent No. 72,226, dated December 17, 1867.*

## IMPROVED STAKE-HOLDER IN CARS.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, O. R. PARMELE, of Aurora, in the county of Kane, and State of Illinois, have invented an Improved Stake-Holder for Cars; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings and letters marked thereon, making a part of this description, in which—

Figure 1 is a perspective representation of my invention.

Figure 2, an end elevation of the same.

The nature of my invention consists in the use of a cast-iron socket, having the usual openings at the end and bottom for holding the stake, and made reversible, so as to fit either side of the car, and with right-angular slots in the sides, in which the lower pin is made to operate, and also with notches in the edges of the sides, arranged so as to allow the upper stake-pin to pass over a curve or cam, and hold the stake either in a vertical or horizontal position, as the case may require.

The reversible socket I do not consider new, neither the holes in it for supporting the end of the stake; but the right-angular slots in the sides, and their cam and notched edges, are new, together with the upper and lower pins, which hold the stake in place, and have not been employed heretofore for such a purpose, and, when arranged as hereinafter shown, provide a better fastening for the stake than any similar means now in use.

The necessity for a device which will hold a stake upright when a car has a load, and arranged to be turned down when loading the car, is readily comprehended; and many ineffectual attempts have been made, by the way of inventions, to accomplish this desirable result, one of which consists of a socket having a stationary pin and a slotted stake; but, as the slot weakened the stake, and the leverage was so short, the arrangement proved, in a great measure, inoperative.

In order to give a correct understanding of my invention, I have marked corresponding parts with similar letters, and will now give a detailed description.

C represents the side of the car, to which the stake-holder is attached by means of a clamp put around it and in the groove J in the usual manner, or by any other means most desirable. The socket is cast in a single piece, of suitable size and strength, and with an opening through the bottom M; and through the end N, of suitable size to correspond with the end of the stake A, and has right-angular slots, I, made in both sides, for the purpose of supporting a pin, F, put through stake A, and allow the latter to have an upright or horizontal position. The edges of the sides D have notches, H L, between which are the curved projections K K, over which the upper stake-pin E is made to pass when being changed from notch L to notch H, as when the stake is put in a horizontal position, as seen by red lines B, fig. 1.

It will be seen, from this description, that the stake A, when upright, has three supports, one at the bottom by means of the usual mortise or opening, and two by means of pins F E, slot I, and notch L or H, as the case may be, thus holding the stake more firmly than any means now used.

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

The socket or stake-holder, constructed with the right-angular slots I and notches L H, in combination with the pins E F, in the lower end of the stake, substantially as and for the purpose described.

O. R. PARMELE.

Witnesses:

GEO. L. CHAPIN,  
A. HAYWARD.