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F. PARENT.
CAR STAKE.

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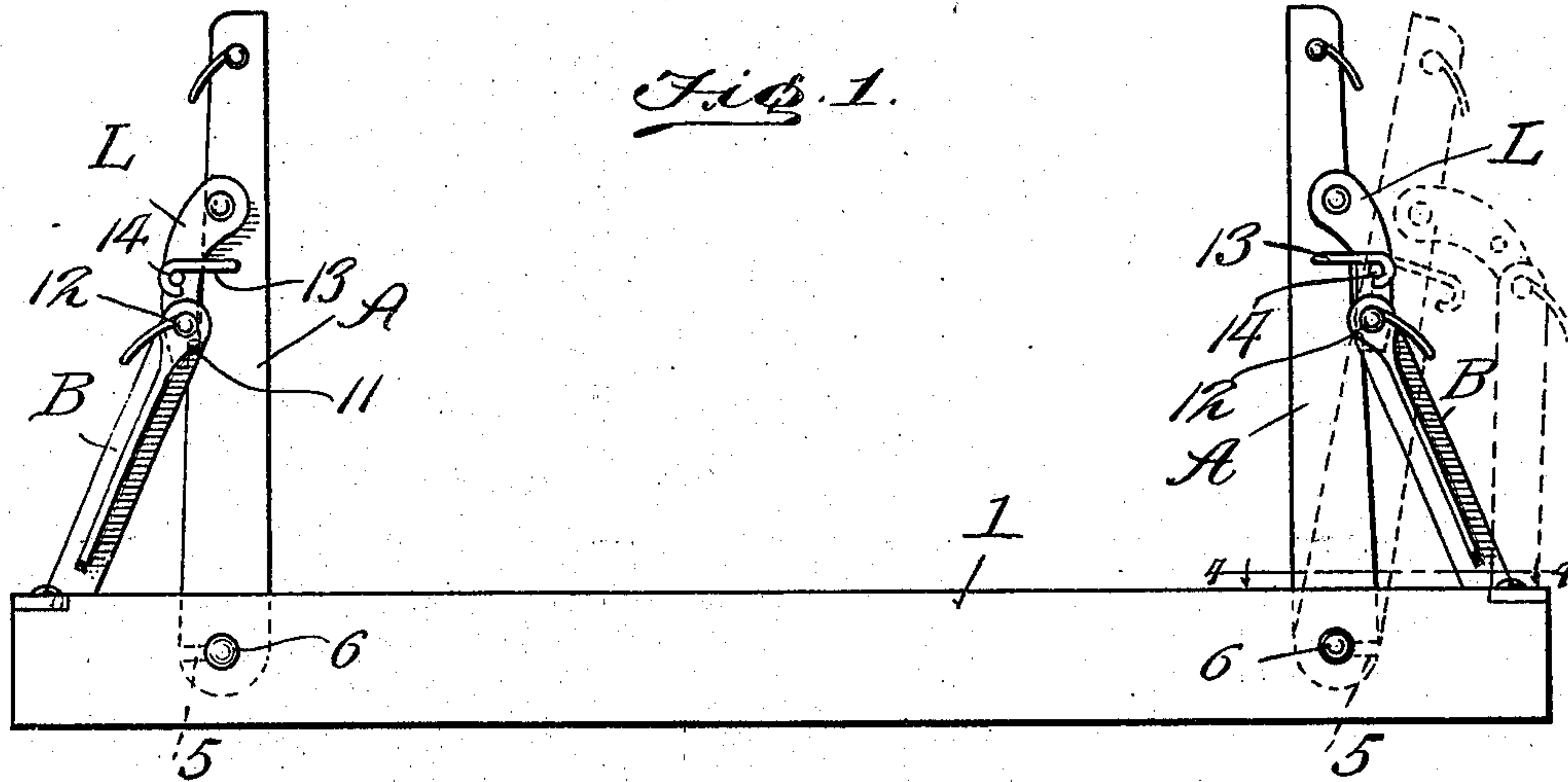


Fig. 2.

Fig. 3.

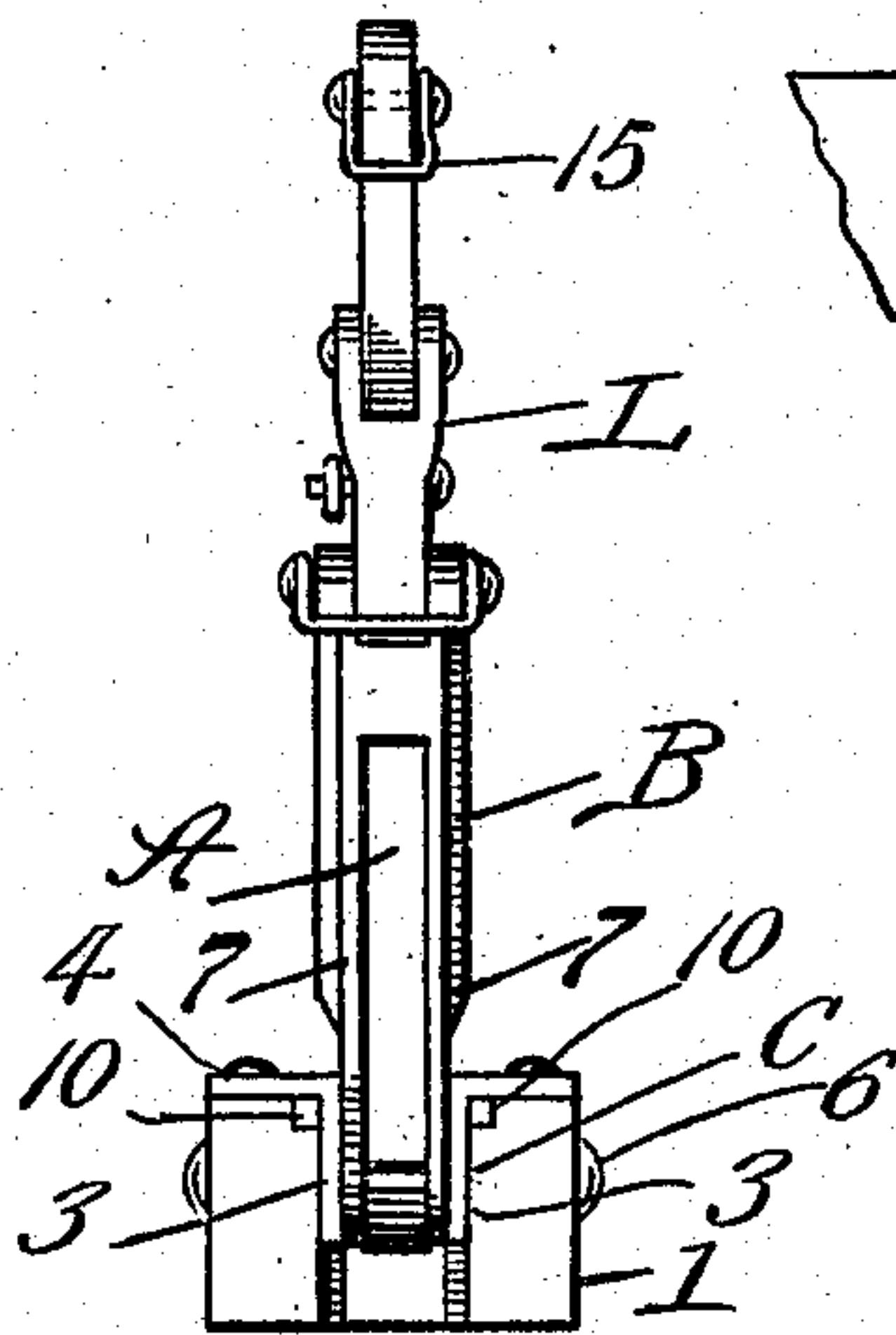
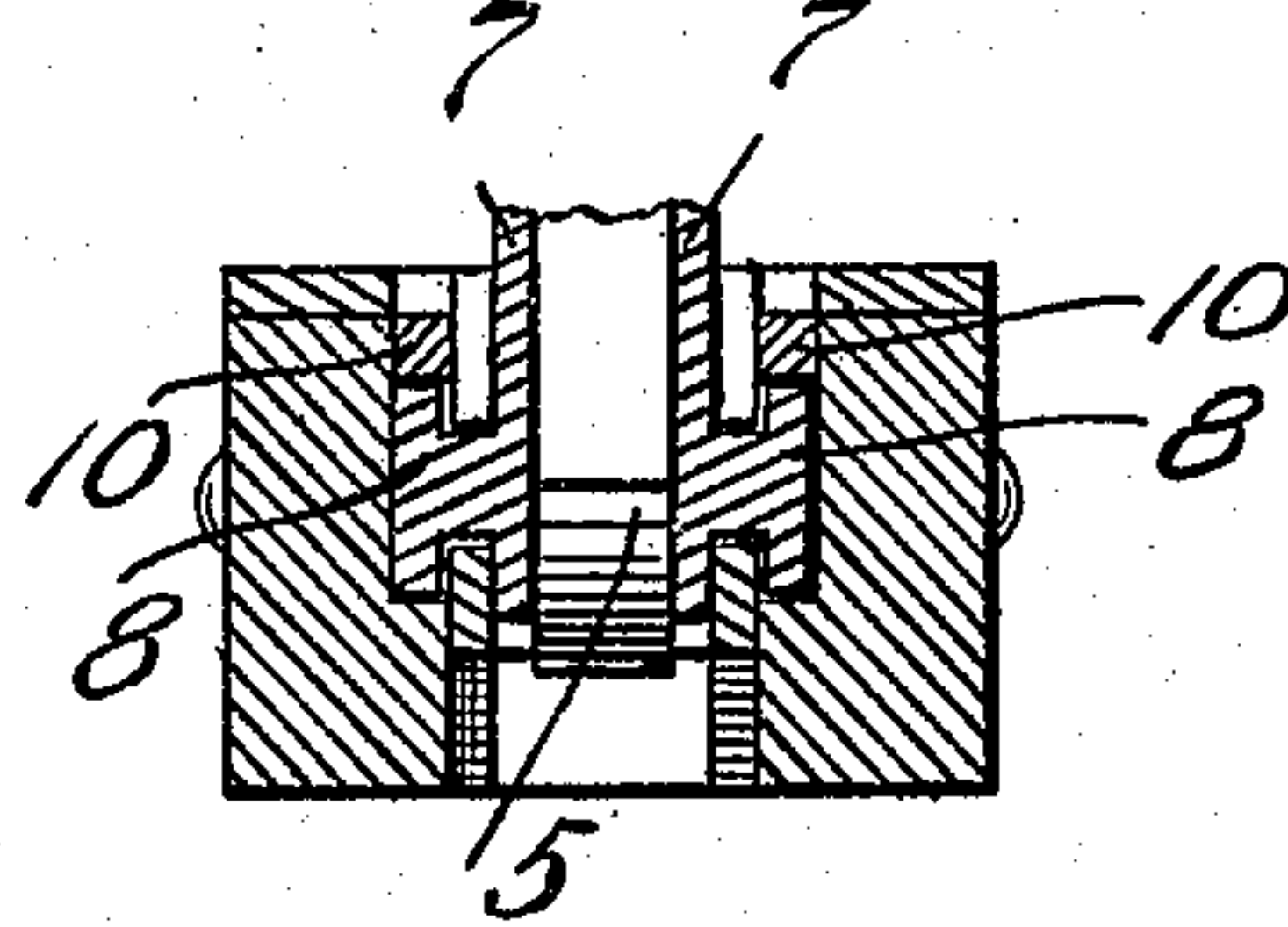


Fig. 4.

Fig. 5.



Witnesses

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FRANCIS PARENT, OF BAGLEY, MINNESOTA.

CAR-STAKE.

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Specification of Letters Patent,

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To all whom it may concern:

Be it known that I, FRANCIS PARENT, a citizen of the United States, residing at the village of Bagley, in the county of Clear-water and State of Minnesota, have invented new and useful Improvements in Car-Stakes, of which the following is a specification.

This invention relates to stakes or standards for logging sleighs, cars and other vehicles used for the transportation of logs and lumber; the object being to provide a stake or standard which may be firmly secured in an upright position for the purpose of retaining the load, and which may be readily swung out of the way in order to enable the vehicle to be unloaded.

Further objects of the invention are to simplify and improve the construction and operation of this class of devices.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawing has been illustrated a simple and preferred form of the invention; it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the invention may be resorted to when desired.

In the drawing, Figure 1 is a side elevation of a sill or cross-bar equipped with the improved stakes or standards. Fig. 2 is an end view of the same. Fig. 3 is an elevation of one end of the sill showing the standard connected therewith moved out of the way to an unloading position. Fig. 4 is a horizontal sectional detail view taken on the plane indicated by the line 4—4 in Fig. 1. Fig. 5 is a sectional detail view taken on the plane indicated by the line 5—5 in Fig. 4.

Corresponding parts in the several figures are denoted by like characters of reference.

The sill 1, which is one of a plurality of sills or bolsters of a sleigh, car or other vehicle, is provided at the ends thereof with mortises or notches 2 which are protected and reinforced by cap plates C having vertical flanges 3 and horizontally disposed top flanges 4; said caps being preferably constructed of cast iron or other metal.

The improved stakes are composed of the

uprights A, the braces B and the links L. The uprights A are provided near their lower ends with notches 5 pivotally engaging the pins 6 which extend transversely through the sills or bolsters 1 and through the vertical flanges 3 of the caps. The links L are pivoted upon the uprights A, near the upper ends of the latter, and the free ends of said links are pivotally connected with the braces B which latter are bifurcated, as will be clearly seen in Fig. 2 of the drawings, the limbs 7 of said bifurcated braces being provided near their lower ends with flanged rollers or disks 8 engaging vertical grooves or sockets 9 formed in the vertical flanges of the caps where they are secured by means of locking pins or keys 10 which are inserted between the caps and the ends of the sill or bolster.

The uprights A are provided near their upper ends with shoulders or offsets 11 adapted to be engaged by notches 12 in the links L; when the links are in this position they may be locked or held securely by means of hooks 13 pivotally connected with the uprights and engaging pins 14 that extend laterally from the links, and the latter will then serve to retain the braces B in the inclined position illustrated in Fig. 1 of the drawings, when they will support the uprights A in the approximately vertical position shown. When the hooks 13 are disengaged from the pins 14, the links L may be swung outward and upward, as shown in dotted lines in Fig. 1, thus permitting the braces as well as the uprights to swing outward and downward to the position illustrated in Fig. 3, the uprights swinging between the limbs or side members of the bifurcated braces, so that the latter may swing to the out of the way position indicated. This change may be brought about in a moment's time, by simply disengaging the hooks 13 from the pins 14, and the logs or sticks of lumber may then be readily rolled off the sills or bolsters of the vehicle upon which they have been loaded.

The uprights A and the braces B have been shown equipped with links designated respectively 15 and 16 for the attachment of chains or other means used for securing the load.

The improved stake or standard is simple in construction and efficient in operation, and it may be readily attached or applied to the sills or bolsters of sleighs or vehicles of present construction.

Having thus fully described the invention, what is claimed as new is:—

1. A stake or standard of the character described, comprising an upright, a link connected pivotally therewith, and a bifurcated
5 brace connected pivotally with the link.

2. A stake or standard of the character described, comprising an upright having a hook, a link connected pivotally with said
10 upright and having a laterally extending pin, and a bifurcated brace connected pivotally with the link.

3. A stake or standard of the character described, comprising an upright having a
15 shoulder or offset, a link pivoted upon the upright and having a notch adapted for engagement with the shoulder or offset, and a bifurcated brace connected pivotally with the link.

20 4. A stake or standard of the character described, comprising an upright, a link connected pivotally therewith, a bifurcated brace connected pivotally with the link, and means for securing the link in position with
25 relation to the upright.

5. In a device of the character described, a sill or bolster having a mortise, a cap secured

upon the mortised end of the sill and having vertical grooves or sockets, an upright pivoted upon a pin extending through the sill
30 and the cap, a bifurcated brace having flanged rollers engaging the grooves or sockets of the cap, and a link connecting the bifurcated brace with the upright.

6. A sill having a mortise, a cap secured
35 upon the mortised end of the sill and having vertical and horizontal flanges and provided with grooves or sockets in the vertical flanges, an upright pivoted upon a pin extending through the sill and through the vertical
40 flanges of the cap, a bifurcated brace provided with flanged rollers engaging the sockets in the cap, keys inserted between the horizontal flanges of the cap and the sill to secure the flanged rollers against displace-
45 ment, and a link connecting the bifurcated bracket with the upright.

In testimony whereof I affix my signature in presence of two witnesses.

FRANCIS PARENT.

Witnesses:

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