C. E. HYSORE.

STAKE SOCKET AND SEAT FOR BUNK CARS.

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1,102,151. Patented June 30, 1914.

FIG. 1

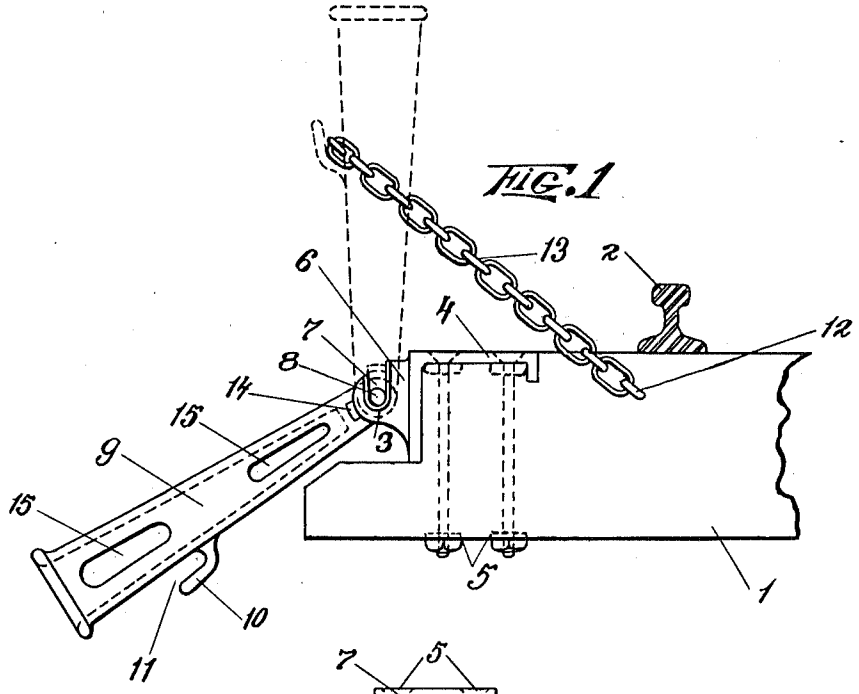
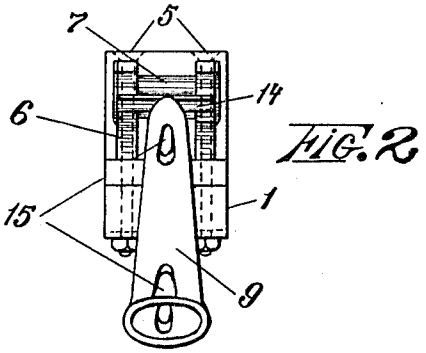


FIG. 2



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UNITED STATES PATENT OFFICE.

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STAKE SOCKET AND SEAT FOR BUNK-CARS.

1,102,151. Specification of Letters Patent. Patented June 30, 1914.

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To all whom it may concern:

Be it known that I, CHARLES E. HYSORE, a citizen of the United States, residing at Chester, in the county of Delaware and State of Pennsylvania, have invented new and useful Improvements in Stake Sockets and Seats for Bunk-Cars, of which the following is a specification.

My invention relates to a stake socket and seat for bunk and other cars and has as its principal object the avoidance of the necessity for carrying in stock the different sized stakes now used to retain different sizes and classes of lumber, or material requiring stakes on side of cars to hold on a load.

A further object of my invention is to provide a metal stake which shall be easy to manufacture, convenient in operation and durable in use.

A final object of my invention resides in the particular arrangement and combination of parts hereinafter described.

In the accompanying drawing:—Figure 1 is an elevational view showing a portion of a car sill having my improved stake socket applied thereto. Fig. 2 is a view taken from the left of Fig. 1.

In the separate views the same part is designated by the same reference character.

Referring more particularly to the drawings, 1 indicates a sill of a car and 2 is a bolster member arranged transversely of the sill 1 but lengthwise of car on which the lumber is immediately supported. The sill 1 is cut away or recessed at one end as shown at 3 so as to provide a rectangular shoulder on which is fastened a bracket member 4, the bracket 4 being shown as secured to the sill 1 by means of carriage bolts 5—5. On its vertical arm the bracket 4 is provided with a pair of integral lugs 6—6 each of which is provided with a slot 7 opening at the top and the base of which is rounded so as to provide a bearing for a gudgeon 8 one of which extends from each side of the socket member 9, and from which it will be apparent that the socket member 9 is thus adapted to swing in the plane of the sill 1 and when held in the vertical position as shown in dotted lines, is adapted to retain the lumber on the car, but can be readily thrown down below the level of the top of the member 2 so as to be out of the way when the lumber is being loaded or unloaded.

The socket member 9 has on the side opposite the bracket 4 an upwardly extended lug 10 which forms a groove 11 open at the top between itself and the body of the socket member. Fastened to one side of the sill 1 is an eye 12 to which is fastened a chain 13 which is intended to be carried upwardly and outwardly from the eye and around the outside of the socket member 9 so as to lie in the groove 11, in which position the links of the chain are unable to run through the groove and consequently the chain serves to hold the socket member in an upright position so long as it is desired to have it so kept, but may be easily released by lifting the chain out of the groove so that the socket member can fall into the position shown in full lines in Fig. 1. It will be seen that the arrangement just described provides a very cheap but effective method of holding the socket member upright in order to retain the lumber on the car.

It will be seen that the exterior surface of the lugs 6 is circular and I provide two lugs 14—14 which project from opposite sides of the socket member 9 at such a distance from the axis of rotation thereof that they lie closely against the cylindrical surface of the lugs 6 whenever the socket members are allowed to drop down out of the vertical position. Consequently, the lugs 14 prevent any tendency of the socket member to jump out of the grooves 7 when it is allowed to drop and strike the end of the sill 1.

It will be obvious that in using my invention the socket member 9 may have its height increased as desired by inserting a wooden stake, thus giving the car or lumber company operating the car an opportunity of increasing the height of the car stakes without the necessity of carrying in stock different sized stakes for different classes of lumber. In order to facilitate this, the member 9 is provided with an interior cone-shaped recess indicated in dotted lines in Fig. 1, and the whole is made lighter by cutting out portions of the metal as indicated at 15—15.

It will be understood that while I have shown and described the preferred form of my invention, that I do not wish to be limited thereto, and that I contemplate such modifications thereof as employ mechani-

cal equivalents of the parts shown and described herein.

Having thus described my invention, what I claim is:—

1. In combination a bracket adapted to be secured to a car, lugs rigid with said bracket having upwardly opening slots, and a stake for coöperation with said bracket comprising a socket member, gudgeons projecting from said socket member and normally seated in said slot, and lugs projecting from said socket member and arranged to contact with the exterior surface of said first mentioned lugs to prevent the accidental removal of said gudgeons from said slot.

2. In combination, a bracket adapted to be secured to a car, lugs rigid with said bracket having upwardly opening slots, and a stake for coöperation with said bracket comprising a socket member, gudgeons projecting from said socket member and normally seated in said slot, lugs projecting from said socket member and arranged to contact with the exterior surface of said first mentioned lugs to prevent the accidental removal of said gudgeons from said slot, and means for securing said socket member in a vertical position when desired.

3. The combination with the sill of a bunk car, of a bracket secured to said sill, a hollow socket or stake member pivotally secured to said bracket, said stake member having an upwardly projecting lug on one side thereof, and a chain secured to said sill at one end and adapted to lodge between said lug and said socket member to hold the latter in vertical position.

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

CHARLES EDWARD HYSORE.

Witnesses:
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