R. WOOLLEY.

BUNK.

APPLICATION FILED AUG. 4, 1920.

1,390,852.

Patented Sept. 13, 1921.

2 SHEETS—SHEET 1.

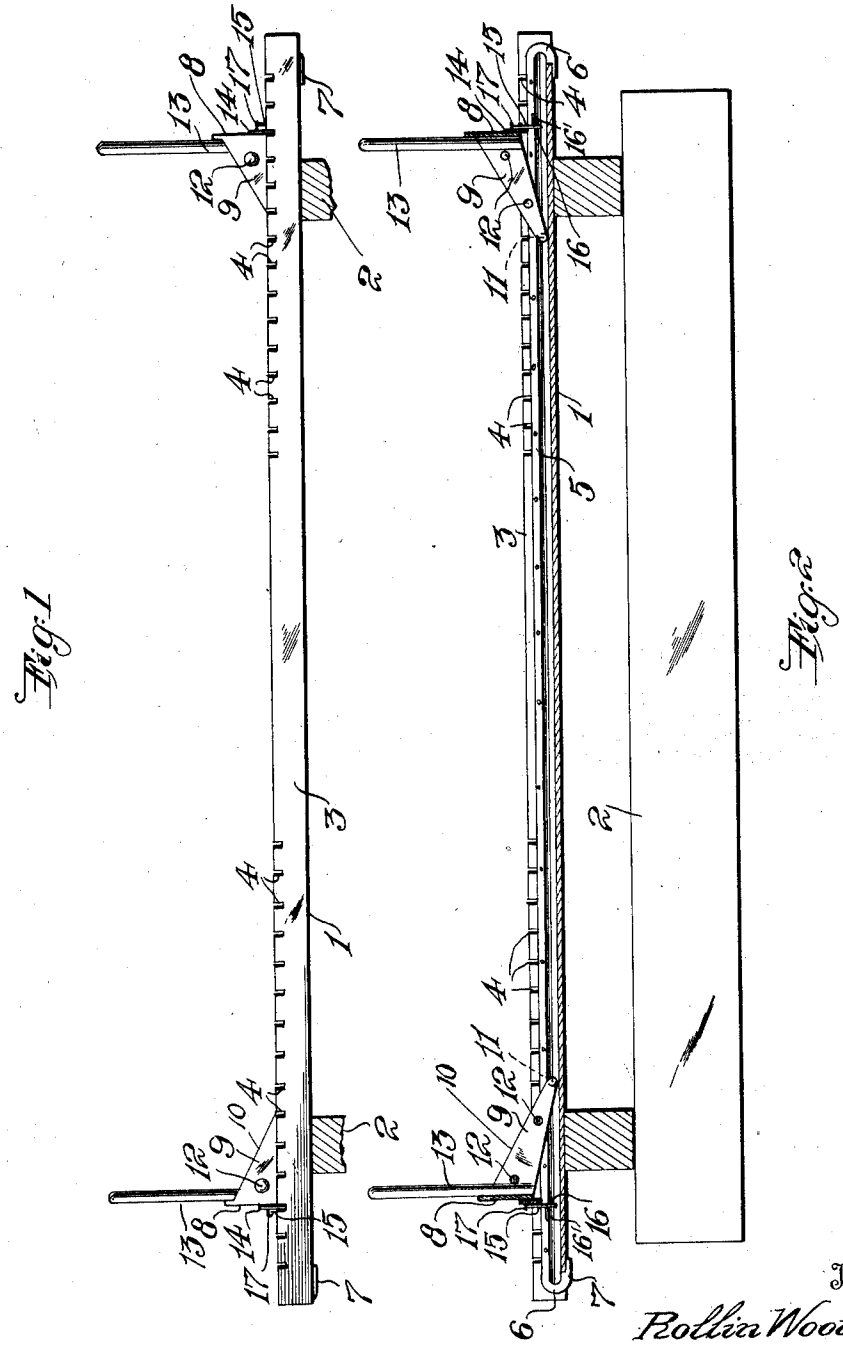


Fig. 1

Fig. 2

Inventor

Rollin Woolley

By Franklin H. Hough

Attorney

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2 SHEETS—SHEET 2.

Fig. 6

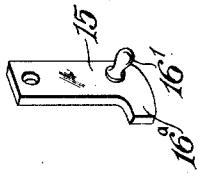
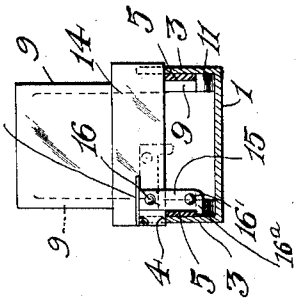


Fig. 5



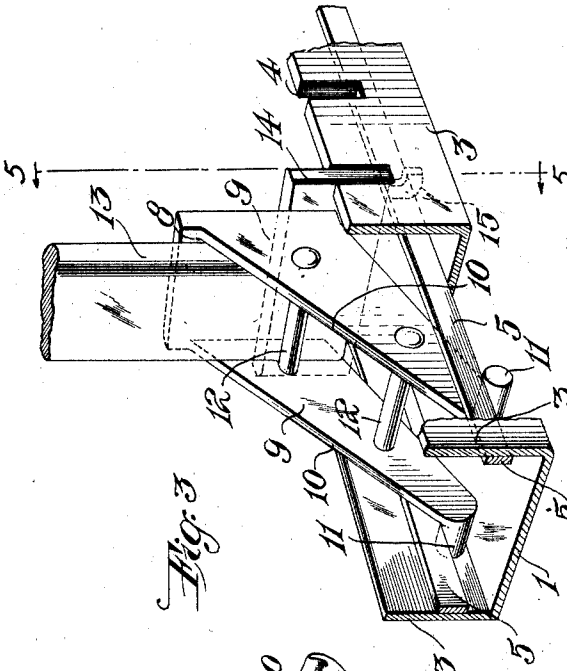


Fig. 3

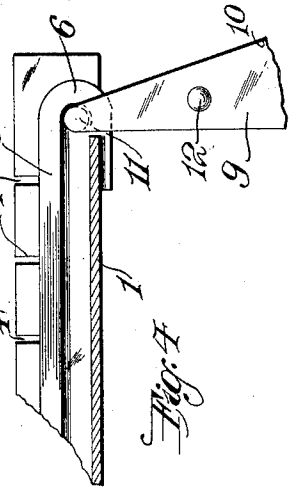
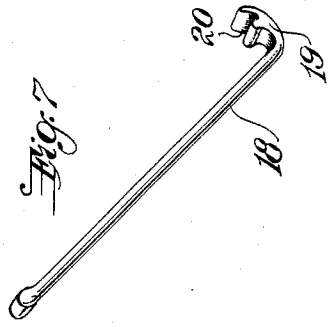


Fig. 4

Fig. 7



Inventor

Rollin Woolley.

By Franklin H. Hough

Attorney

UNITED STATES PATENT OFFICE.

ROLLIN WOOLLEY, OF CARLTON, OREGON.

BUNK.

1,390,852. Specification of Letters Patent. Patented Sept. 13, 1921.

Application filed August 4, 1920. Serial No. 401,113.

To all whom it may concern:

Be it known that I, ROLLIN WOOLLEY, a citizen of the United States, residing at Carlton, in the county of Yamhill and State of Oregon, have invented certain new and useful Improvements in Bunks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to a novel construction of bunk, that is to say, a device for use on wagons or trucks for hauling poles and piling.

The fundamental object of the invention is to provide a bunk having movable blocks so that the latter may be moved to accommodate the size of load desired, the blocks dispensing with the use of chains for this purpose and eliminating all danger of the load shifting.

A further object is to provide a novel construction of means for removably locking the blocks in adjusted position against upward displacement.

A further object is to provide a novel construction of tool in the nature of a lever for manipulating the blocks and for conveniently moving them lengthwise of the channel bars which support said blocks.

Further objects relating to certain improvements, more especially in structural detail, will appear as the specification proceeds and the nature of the invention is more fully disclosed.

The invention in its preferred form is clearly disclosed in the accompanying drawings, in which:

Figure 1 is a view in side elevation of the bunk constituting my invention;

Fig. 2 is a central vertical longitudinal sectional view thereof;

Fig. 3 is a fragmentary view in partial section of the bunk;

Fig. 4 is a fragmentary central vertical longitudinal sectional view of the bunk, showing the position of one of the blocks in the unloading position of the bunk;

Fig. 5 is a view in transverse section of one of the channel bars, with one of the blocks in end elevation, and showing more particularly the locking dog;

Fig. 6 is a detached detail view in perspective of said locking dog, and

Fig. 7 is a similar view of the dog which is used to manipulate the block.

Referring now in detail to the drawings:

1 designates a channel bar adapted to be removably supported upon a wagon 2 in any suitable manner. The vertical or upstanding flanges 3, 3 of said channel bar are provided toward each end with longitudinally extending series of notches 4 on their tops for a purpose presently appearing.

Each of said flanges 3, 3 is provided on its inner face with a longitudinally extending rib 5 extending the full length of the channel bar and curved at its ends, as shown at 6, beyond the ends of said channel bar, the terminal of each of said curved end portions lying beneath the corresponding end of the channel bar, as shown at 7. Each of said ribs 5 is disposed a suitable distance above the bottom of the corresponding side flange 3, said ribs 5, 5 constituting tracks to guide the blocks (more particularly hereinafter described) in their movement lengthwise of the channel bars, to position said blocks in adjusted position.

In connection with each channel bar 1 a pair of complemental, similarly constructed blocks are used. Each of said blocks is peculiarly formed, preferably of metal, and comprises an end portion 8, provided at its sides with downward extending parallel arms 9, 9, the upper edges of said arms being beveled, as shown at 10, and said arms terminating at their free ends in outwardly projecting pintles 11, 11, adapted to be seated beneath the ribs 5, 5, as clearly shown in Fig. 3.

Pins 12, 12 connect the bars 9, 9 between the ends thereof, and serve to brace said arms. One of said pins 12 is disposed adjacent the end 8 of the block so that a stake 13 may be projected between said pin and said end 8 and be held thereby against sidewise displacement. Said stake 13 is preferably of a width to fit closely between the arms 9, 9.

Carried by the end 8 of each block on the face thereof, opposite the face which carries the arms 9, 9, is a transversely extending plate 14 adapted to seat in the notches 4.

Carried by the plate 14 is one or more safety dogs 15, one thereof being shown in the drawings as carried by each plate, said safety dog being pivoted, as shown at 16, to said plate, and being provided with a toe 16ª

adapted to be projected beneath the adjacent rib 5, thus holding the block against upward displacement when said block has been moved to an adjusted position. Fig. 5 shows the block in full lines in operative position, and in dotted lines in inoperative position; and said dog is yieldingly held in either of said positions by means of a leaf spring 17, secured at one end thereof to the plate 14 and bearing toward its other end against the end of said dog adjacent the pivot 16. Said dog is provided with a handle 16′ for conveniently manipulating said dog into either of its two positions.

Fig. 7 discloses a special form of tool 18 which may be used in manipulating the blocks, said tool being provided with a beak 19, having a transversely extending channel or recess 20. In using said tool 18, the beak portion 19 thereof is disposed beneath the plate 14, the bottom of said plate resting in said groove 20, and said beak portion resting against the upper surface of the bottom of the channel bar 1, the tool or lever 18 is depressed, thus forcing the plate 14, with the attached block, upward, thus disengaging said plate from the grooves 4, whereupon by pulling up the lever 18, the block may be shifted longitudinally of the channel bar 1 to adjusted position, so that said plate 14 may engage a different pair of notches 4.

Fig. 4 discloses the position of the block in the unloading position of the device, and in this position it will be noted that the block has been moved to the end of the bottom of the channel bar 1, and is swung downward out of the way of the logs on said channel bar, so that the logs may be unloaded.

What I claim to be new is:

1. A bunk comprising a channel bar, longitudinally extending ribs carried on the inner faces of the upright faces of said channel bar above the bottom thereof, blocks slidable longitudinally of said channel bar and provided with terminals disposed beneath said ribs, the latter thus constituting tracks to guide said blocks in their movement longitudinally of the channel bar, and means carried by said blocks for holding the same in adjusted position, said holding means comprising a plate carried by each block and adapted to engage the upright flanges of the channel bar, the upright flanges of said channel bar being for this purpose provided with notches adapted to receive said plate.

2. A bunk comprising a channel bar, longitudinally extending ribs carried on the inner faces of the upright faces of said channel bar above the bottom thereof, blocks slidable longitudinally of said channel bar and provided with terminals disposed beneath said ribs, the latter thus constituting tracks to guide said blocks in their movement longitudinally of the channel bar, and means carried by said blocks for holding the same in adjusted position, said holding means comprising a plate carried by each block and adapted to engage the upright flanges of the channel bar, the upright flanges of said channel bar being for this purpose provided with notches adapted to receive said plate, and a locking dog carried by each plate and adapted to be projected beneath one of said ribs to hold the block against upward displacement.

3. A bunk comprising a channel bar having ribs formed along the inner faces of said channel and curved downwardly at the outer ends, a block having arms adapted to engage under the ribs and slide longitudinally of the channel and pivot about the end of the channel in engagement with the down-turned ends of the ribs, and means carried by the block for engagement with the channel at adjusted positions.

4. A bunk comprising upstanding side bars having inwardly projecting ribs forming guides, said guides provided with stops at their extremities, a block slidable longitudinally in the channel and havng means for engagement therewith at adjusted positions, and means carried by the block engaging under the ribs and forming hinges for the swinging of the block about the end of and beneath the bars in engagement with the stops.

5. A bunk comprising upstanding substantially parallel bars having alined notches formed in their upper edges, a block disposed between the bars and having means for engagement selectively in the several notches, guides formed in the interior of the bars and terminating at the end of said bars in stops, and means carried by said block engaging said guides, forming pivots for the block to swing about and beneath the end of the bars in engagement with the stops.

6. In a bunk, longitudinally extending guides terminating in hooks, blocks slidable in the guides and having means for engagement at selective longitudinal positions and to engage said hooks and swing pivotally about the ends of said guides.

In testimony whereof I hereunto affix my signature.

ROLLIN WOOLLEY.