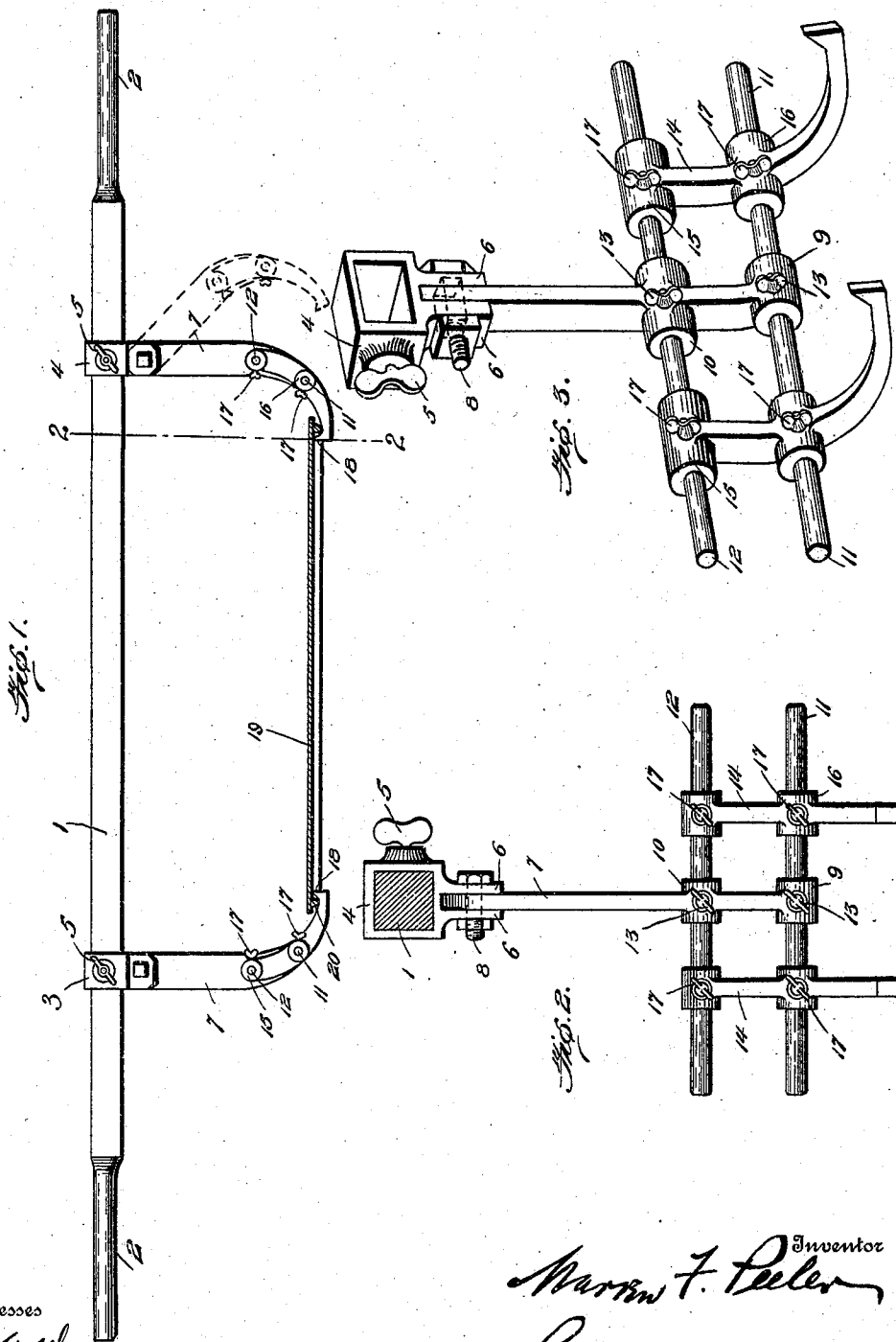


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W. F. PEELER.
LIFTER AND CARRIER.
APPLICATION FILED JULY 31, 1906.



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LIFTER AND CARRIER.

No. 848,124.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed July 31, 1906. Serial No. 328,825.

To all whom it may concern:

Be it known that I, WARREN F. PEELER, a citizen of the United States, residing at Elwood, in the county of Madison and State of Indiana, have invented certain new and useful Improvements in Lifters and Carriers, of which the following is a specification.

This invention is a combined lifter and carrier, and while applicable in many relations is particularly designed for engagement with a pallet-board, whereby uncured cement blocks and other forms of casts may be conveniently lifted and carried from one place to another.

A very important object of the invention is to enable a convenient engagement and disengagement of the device with respect to the pallet-board. It is also proposed to prevent swinging of the pallet-board in any direction upon the carrier, thereby to enable the convenient handling of the device and to prevent displacement of the pallet-board or the cement block by swinging movements of the board.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawing, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing, Figure 1 is a side elevation of a combined lifter and carrier embodying the features of the present invention. Fig. 2 is an enlarged cross-sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is a detail perspective view of one of the hangers and its associated parts removed from the longitudinal bar.

Like characters of reference designate corresponding parts in each of the figures of the drawing.

The present device includes a longitudinal bar 1, which is non-circular in cross-section and has a length according to the desired capacity of the device. Each end of the bar is formed into a suitable handle 2 for convenience in carrying the same.

Embracing the bar between its handles and adjustable longitudinally thereon are

two duplicate sleeves or brackets 3 and 4. Each of these sleeves or brackets has a slidable fit upon the bar and is provided with a set-screw 5 for engagement with the bar to hold the bracket rigidly upon the bar at any adjustable position thereon. A pair of spaced ears 6 depend from each bracket, and a hanger 7 has its upper end received between the ears and secured thereto by means of a bolt 8. The hanger of bracket 3 is rigidly suspended therefrom, while the hanger of bracket 4 is swung loosely upon its bolt 8, so as to swing longitudinally of the bar, as indicated by dotted lines in Fig. 1 of the drawing. Other than that the hanger of bracket 3 is rigid therewith and the hanger of bracket 4 is swung therefrom the two hangers and their associated parts are duplicates.

Each hanger is provided at its lower end with an integral eye 9 and another eye 10, spaced a suitable distance above the eye 9. A pair of cross-bars 11 and 12 extend through these eyes and are held against endwise play by means of set-screws 13, carried by the eyes 9 and 10. At each side of the hanger there is a claw 14, provided with upper and intermediate eyes 15 and 16, through which the cross-bars 11 and 12 project, each of these eyes having a set-screw 17 to rigidly connect the claws at any adjusted position upon the cross-bars. Each claw is arcuate in shape, with its concaved face directed inwardly, the lower extremity of the claw terminating in an upstanding projection or finger 18.

In practice the brackets 3 and 4 are adjusted to any desired position upon the bar 1, and then the claws of the rigid hanger are engaged beneath one edge of the pallet-board, such as shown at 19 in Fig. 1 of the drawing. A pallet-board is usually provided upon its under side adjacent its outer edge with a rib 20, behind which the fingers or projections 18 are engaged, so as to prevent endwise slipping of the board from the claws. The claws of the other hanger are then engaged with the pallet-board by swinging the hanger so as to bring the fingers of its claws into engagement with the under side of the board at the inner side of the adjacent rib 20, whereupon the device may be lifted by its handles and the pallet-board with its contents carried to any desired point. The purpose of having one of the hangers mounted to swing is to enable the convenient engagement and dis-

engagement thereof with respect to the pallet-board.

When the device is in use, the pallet-board is held against swinging upon the bar 1 by reason of the fact that one of the hangers is rigid upon the bar, and as the swinging hanger is connected to the rigid hanger through the medium of the pallet-board the latter will of course be rigidly suspended from the bar.

By having the brackets 3 and 4 adjustable longitudinally upon the bar 1 the device may be adjusted to fit pallet-boards of different lengths within the length of the main bar. The claws are adjusted transversely with respect to the main bar 1 in order that the claws may be adapted to pallet-boards of different widths.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. A device of the class described comprising a longitudinal bar, a pair of brackets adjustable longitudinally thereon, and hangers depending from the brackets for engagement with a pallet-board, one of the hangers being rigid with its bracket, and the other hanger being swung from its bracket.

2. A device of the class described comprising a longitudinal bar, a pair of brackets adjustable longitudinally on the bar and provided with depending ears, and hangers bolted upon the ears of the respective brackets and having their lower portions provided with means for engagement with a pallet-board, one of the hangers being rigidly connected to its bracket and the other hanger being pivotally connected to its bracket.

3. A device of the class described compris-

ing a longitudinal bar, the hangers depending from the bar, each hanger having upper and lower eyes, cross-bars extending through and projecting at opposite sides of the eyes, and claws provided with eyes receiving the cross-bars and adjustable longitudinally thereon.

4. A device of the class described comprising a longitudinal bar, hangers depending therefrom, a pair of cross-bars carried by each hanger and projecting at opposite sides thereof, and claws pierced by and adjustable upon the cross-bars.

5. A device of the class described comprising a longitudinal bar terminating at each end in a handle, a pair of brackets embracing the bar and adjustable thereon, each bracket having a set-screw for engagement with the bar and also provided with a pair of ears, a hanger depending from each bracket with its upper end received between the ears, a bolt piercing the ears and the hanger, one of the hangers being rigidly connected to its bracket, the other hanger being swung from its bracket, a pair of cross-bars piercing each hanger and projecting at opposite sides thereof, set-screws to hold the cross-bars upon the hangers, claws pierced by and adjustable upon the cross-bars, each claw having its lower end bowed upwardly and inwardly and terminating in an upstanding projection, and set-screws to adjustably hold the claws upon the cross-bars.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WARREN F. PEELER.

Witnesses:

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