No. 609,120.

Patented Aug. 16, 1898.

# P. PETERSON.

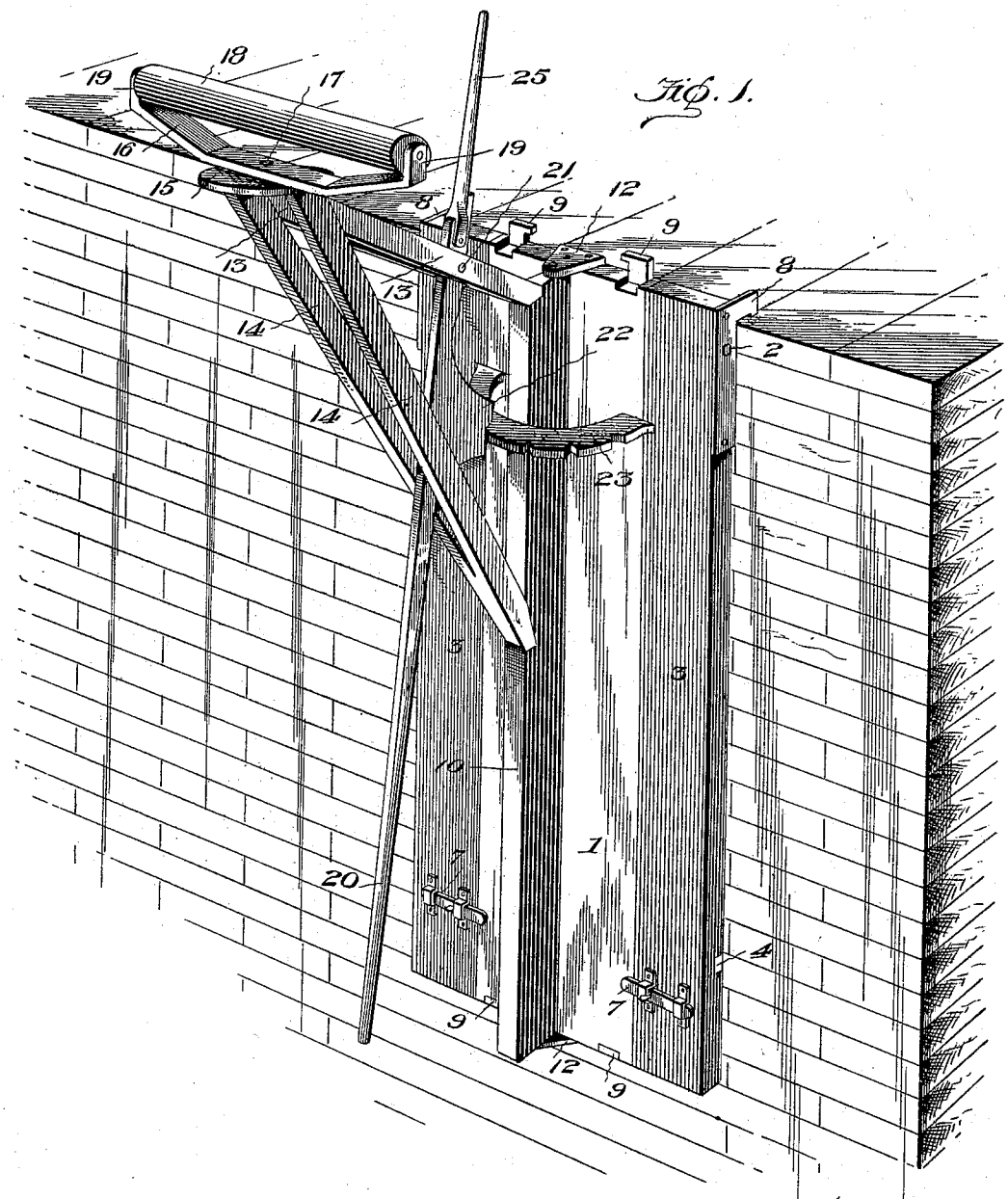
## LUMBER PILER.

(Application filed Jan. 17, 1898.)

(No Model.)

3 Sheets—Sheet 1.

Fig. 1.




Witnesses

Inventor

Peter Peterson

by A. B. Williamson & Co

Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 609,120. Patented Aug. 16, 1898.

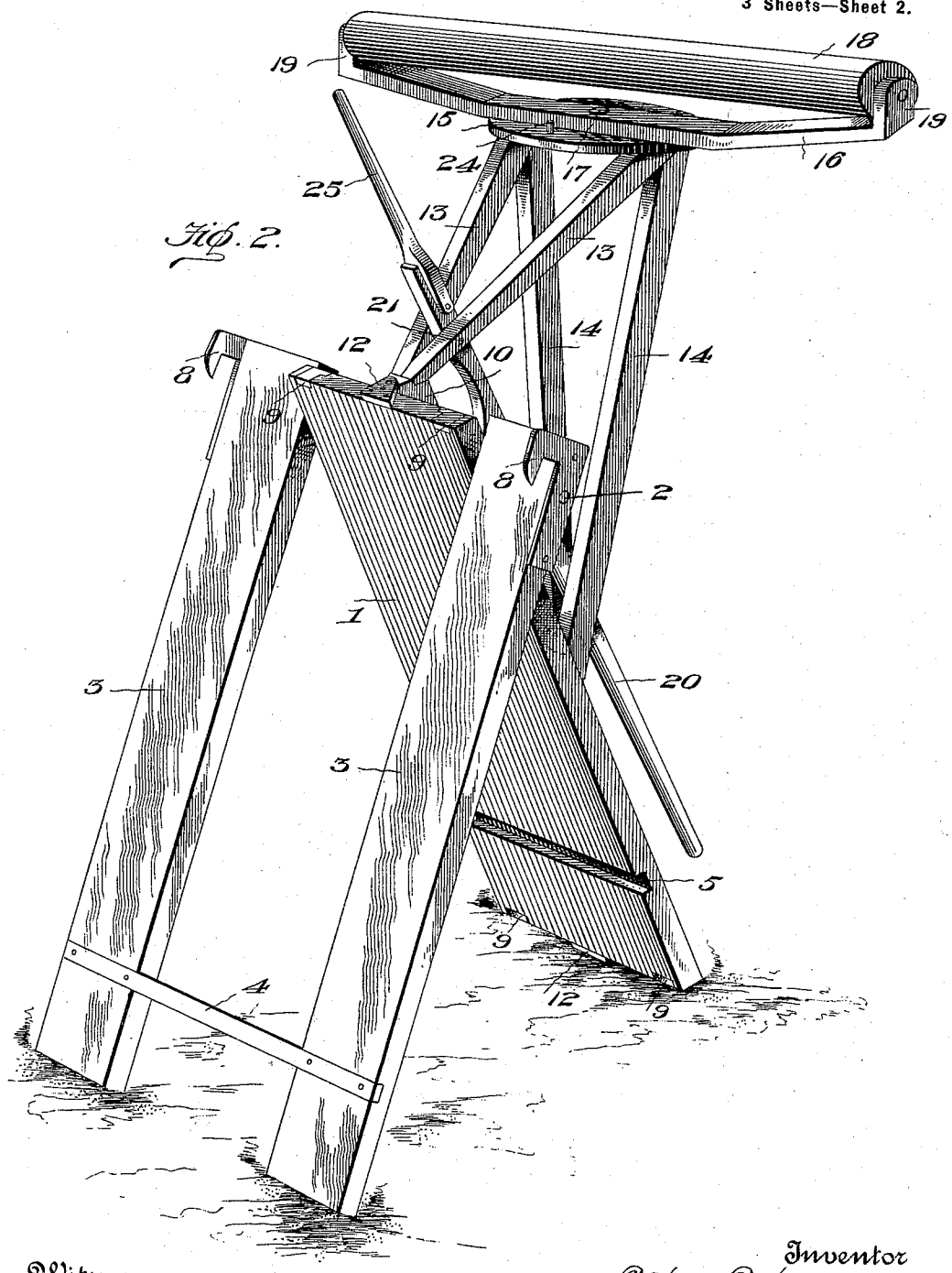
P. PETERSON.

LUMBER PILER.

(Application filed Jan. 17, 1898.)

(No Model.) 3 Sheets—Sheet 2.

Fig. 2.




Witnesses

Inventor

Peter Peterson

by A. B. Williamson & Co

Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 609,120. Patented Aug. 16, 1898.

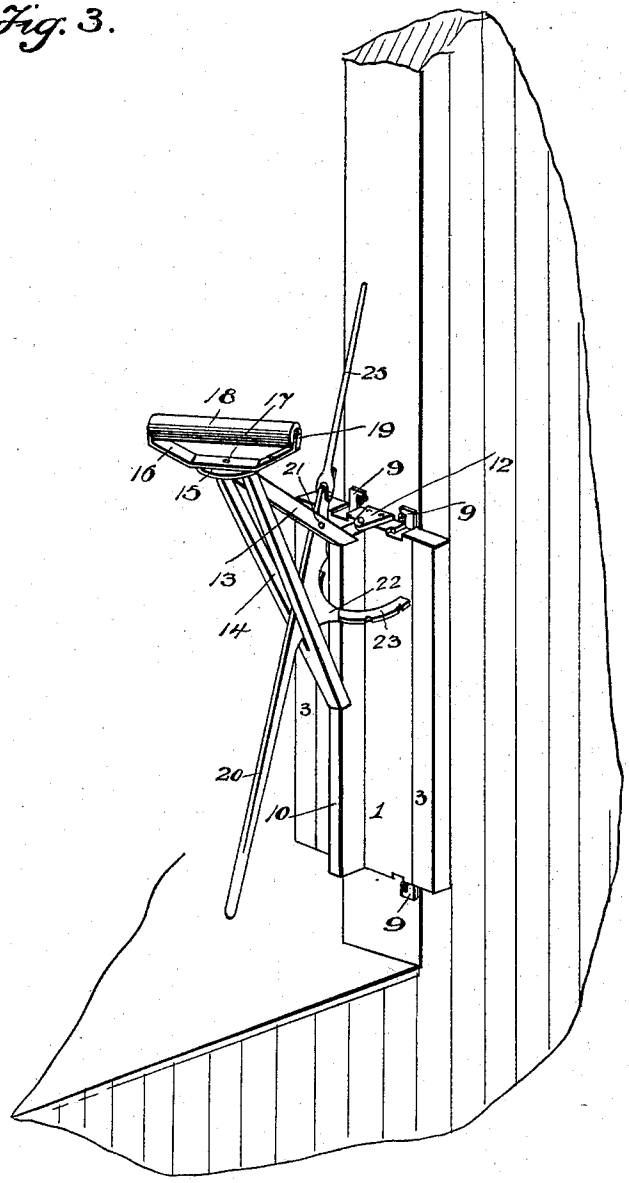
# P. PETERSON.

## LUMBER PILER.

(Application filed Jan. 17, 1898.)

(No Model.) 3 Sheets—Sheet 3.

Fig. 3.




Witnesses:
Fenton S. Pelt,
P. L. Brown.

Inventor:
Peter Peterson,
by A. B. Williamson & Co.,
Attorneys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

PETER PETERSON, OF MENOMINEE, MICHIGAN.

## LUMBER-PILER.

SPECIFICATION forming part of Letters Patent No. 609,120, dated August 16, 1898.

Application filed January 17, 1898. Serial No. 666,939. (No model.)

*To all whom it may concern:*

Be it known that I, PETER PETERSON, a citizen of the United States, residing at Menominee, in the county of Menominee and State of Michigan, have invented certain new and useful Improvements in Lumber-Pilers; and I do 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.

My invention relates to improvements in the construction of devices used for piling lumber; and the object is to provide a simple, inexpensive, and effective device of this character to facilitate the loading and unloading of the lumber on cars, wagons, and the like as well as conveniently arranging it in suitable piles and removing it therefrom as occasion requires.

To these ends the invention consists in the construction, combination, and arrangement of the device, as will be hereinafter more fully described, and particularly pointed out in the claims.

The accompanying drawings show my invention in the best form now known to me; but many changes in the details might be made within the skill of a good mechanic without departing from the spirit of my invention as set forth in the claims at the end of this specification.

The same reference characters indicate the same parts of the invention in the several views.

Figure 1 is a perspective view of my improved lumber-piler as it appears in operative position on a lumber-pile. Fig. 2 is a similar view showing the device set up on the ground. Fig. 3 is a reduced perspective detail of the device as applied to a box-car.

1 denotes the base-board, which is pivoted at its upper end on a shaft or rod 2, fixed between the parallel side rails 3 3. A cross-brace 4 connects the lower ends of said rails, and 5 denotes an alined groove in the back of said base-board to receive said brace when the board is closed between the rails, being held in this position by the sliding bolts 7 7, fixed to the rails, so that their free ends may be projected across the face of the board.

8 8 represent the suspension-hooks fixed to the outside of the upper ends of the side rails to suspend the device from a lumber-pile, as shown in Fig. 1.

9 9 denote folding dogs hinged to the upper and lower ends of the base-board for securing the device to the car when loading or unloading the same.

10 represents a vertical bar formed with suitable journals at its upper and lower ends, which have a bearing in the lugs 12 12, fixed to the base-board.

13 13 denote angular diverging arms extending outwardly and upwardly from the upper end of said bar, and from the outer end of said arms a pair of diagonal braces 14 extend downwardly to the bar. 15 represents a circular horizontal plate fixed to the outer ends of said arms to support a swivel-bracket 16, centrally pivoted thereon by means of the bolt 17.

18 denotes a roller horizontally journaled in the vertical parallel arms 19 19 of said bracket 16.

20 denotes a hand-lever fulcrumed on a transverse bolt 21 between the arms 13 13, and it is formed with an integral pawl 22, which is adapted to engage the notches in the semicircular rack 23, so as to permit the adjustment of the bar 10 and the arms 13.

24 represents a vertical pin fixed in the upper face of the plate 15 to limit the horizontal movement of the swivel-bracket 16.

25 represents a small hand-lever pivoted to the upper end of the main lever 20 for conveniently manipulating the latter from the top of a lumber-pile while it is operated direct by a person standing on the ground.

In Fig. 3 I have shown the folding dogs 9 9 on the upper and lower ends of the base-board as fastened to the wall of the car by suitable screws, so that the roller 18 projects into the door-opening.

The convenience and utility of the device will be fully understood from the foregoing, taken in connection with the drawings.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

1. The combination of the base-board, the side rails pivoted at their upper ends on each side of said base-board and connected at their lower ends by the cross-brace, the vertical

bar pivoted to said base-board and the lateral arms 13, 13, fixed to said bar, the horizontal plate 15 fixed to said arms, the swivel-bracket 16 mounted on said plate, and the roller 18 journaled in said bracket, as and for the purpose set forth.

2. The combination with the base-board, folding dogs hinged to the upper and lower ends of said board, the vertical bar 10, axially mounted on said board, and the roller 18 horizontally supported by said bar, as and for the purpose set forth.

3. The combination with the base-board 1, the bearing-lugs 12, 12, and the notched rack 23, fixed to said board, the bar 10, axially journaled in said lugs, the arms 13, 13, fixed to said bar, the roller 18, mounted on the outer ends of said arms, so as to rotate on its axis and also in its own horizontal plane, and the hand-lever 20 fulcrumed in said arms and adapted to engage said notched rack, as and for the purpose set forth.

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

PETER PETERSON.

Witnesses:
L. D. EASTMAN,
J. L. MCCLEAR.