

No. 726,165.

PATENTED APR. 21, 1903.

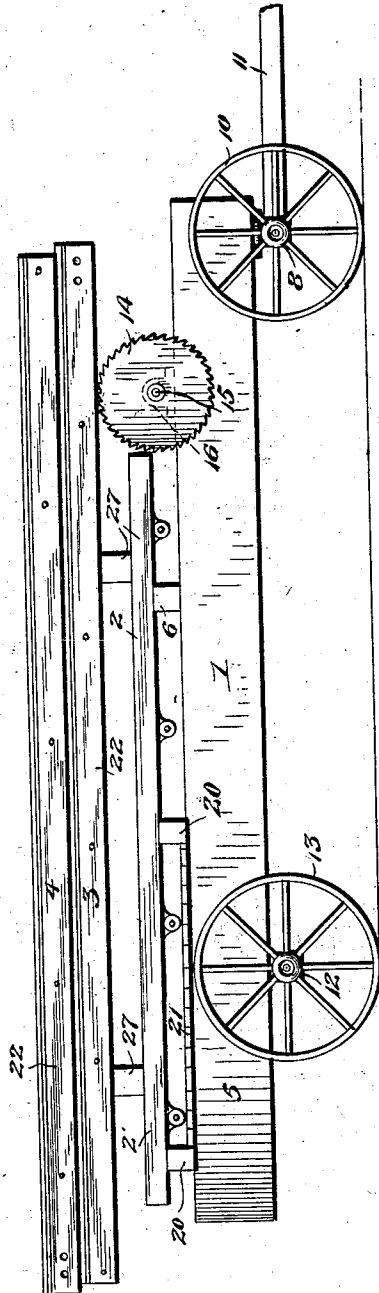
W. L. HUNT.
PORTABLE SAWMILL.

APPLICATION FILED SEPT. 2, 1902.

NO MODEL.

3 SHEETS—SHEET 1.

FIG. 1



Inventor

W. L. Hunt

Witnesses

J. R. Griebauer Jr.
J. Robinson

By

H. B. Wilson & Co.
Attorneys

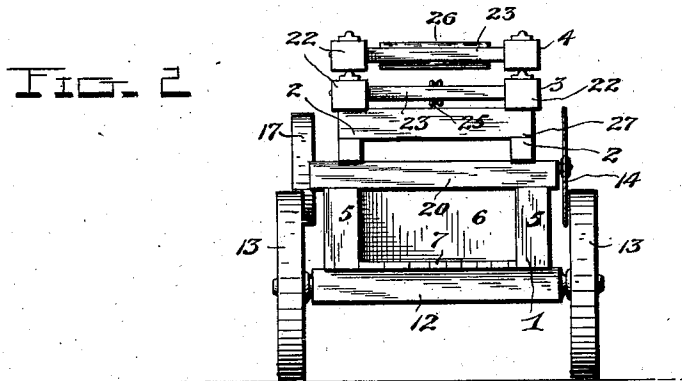
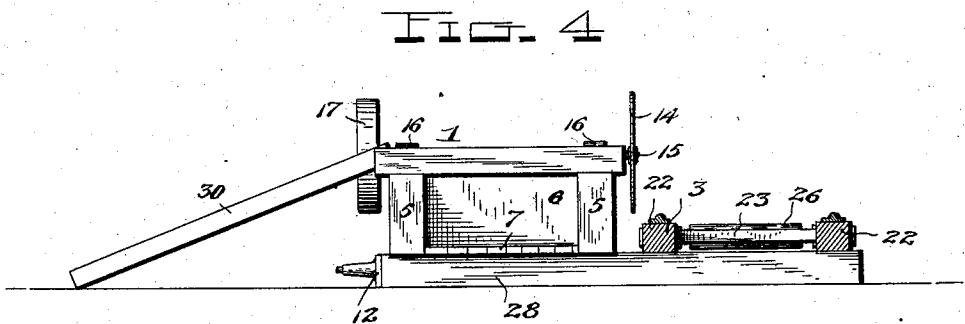
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3 SHEETS--SHEET 2..



Inventor

W. L. Hunt

Witnesses,

J. A. Gruesbauer Jr.
Robinson.

By

A. Rivison & Co.
Attorneys

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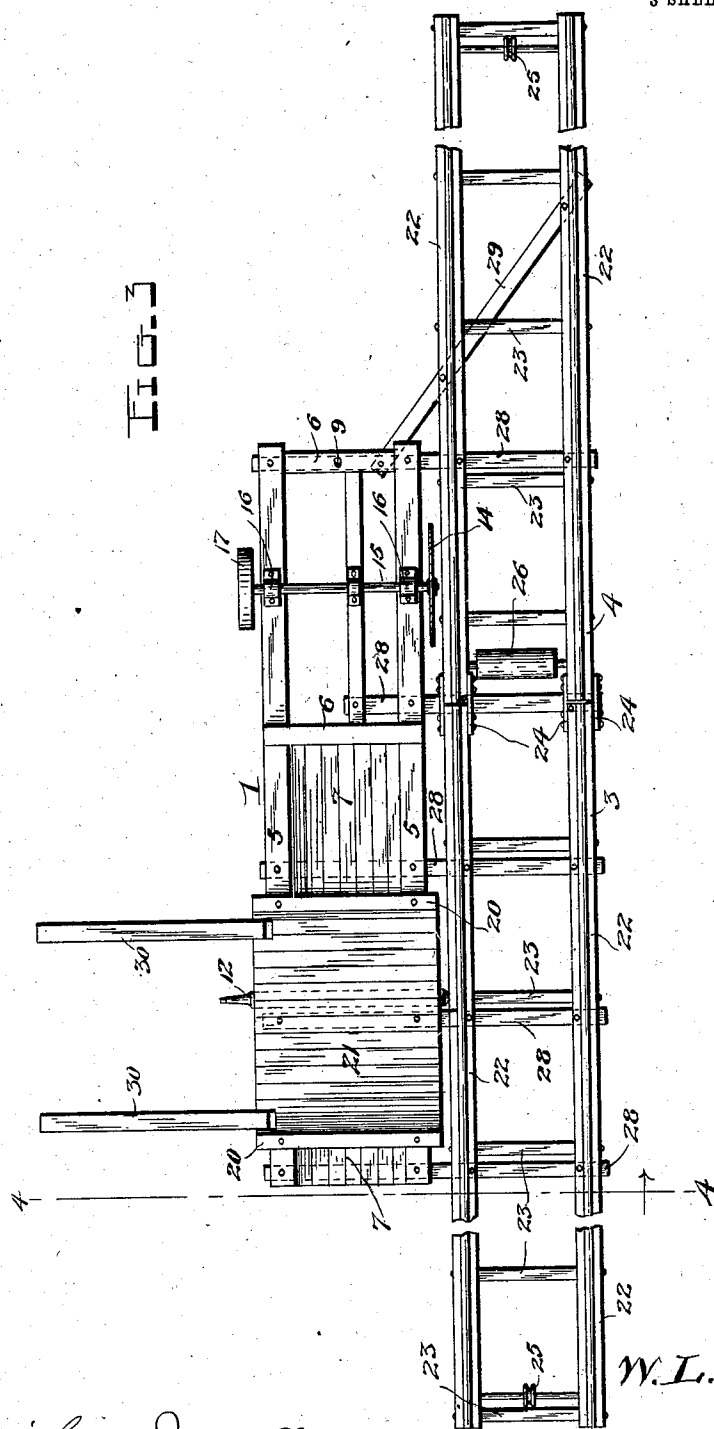
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3 SHEETS—SHEET 3.



Inventor

W. L. Hunt

Witnesses

J. A. Greibner, Jr.
J. A. Greibner

By

H. B. Wilson & Co.
Attorneys

UNITED STATES PATENT OFFICE.

WILBUR L. HUNT, OF AUDUBON, MINNESOTA.

PORTABLE SAWMILL.

SPECIFICATION forming part of Letters Patent No. 726,165, dated April 21, 1903.

Application filed September 2, 1902. Serial No. 121,808. (No model.)

To all whom it may concern:

Be it known that I, WILBUR L. HUNT, a citizen of the United States, residing at Audubon, in the county of Becker and State of Minnesota, have invented certain new and useful Improvements in Portable Sawmills; 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 portable sawmills; and its object is to provide a machine of this character which when not in use may be easily and quickly taken apart, folded compactly, and mounted upon wheels for convenient transportation.

With this and other objects in view, which will appear as the nature of the invention is better understood, the same consists in the construction, combination, and arrangement of parts, as will be hereinafter fully described, claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved sawmill as it appears when ready for transportation. Fig. 2 is an end elevation thereof. Fig. 3 is a top plan view of my machine set up ready for operation, and Fig. 4 is a cross-section on the line 4 4 of Fig. 3.

In the drawings the numeral 1 denotes the main frame of my sawmill, upon which the saw and other gearing are located, which forms the body portion of a truck mounted on wheels for convenient transportation, and which when it is desired to move the machine is adapted to receive the reciprocating sawmill-carriage 2, the two track-sections 3 and 4, and braces and other minor parts. The said frame consists of the two longitudinal sills or side pieces 5, connected by the cross-bars 6, which support a flooring 7, forming the bottom of the truck or main frame upon which the saw operator may stand and on which the braces and minor connecting parts may be placed when the machine is packed up for transportation. The front axle 8 is pivoted to the front end of the frame by the king-bolt 9 and carries the supporting-wheels 10 and the draft-pole 11. The rear axle 12 is fixed to the rear of the frame and carries the wheels 13.

14 denotes the circular saw, secured to one

end of the shaft or mandrel 15, mounted in bearings 16 on the top of the longitudinal sills 5 and provided with the pulley 17 upon its opposite end, to which power may be applied in any desired manner to drive the saw. Secured upon the top of the longitudinal sills 5 are two cross-beams 20, which form a log-roll-way, as will be hereinafter described, and between which is located the flooring 21.

The track-sections 3 and 4, upon which the log-carriage 2 reciprocates, are composed of the longitudinal side bars 22, upon the upper surface of which suitable track-rails are fastened, connected by the cross-bars 23. The two sections are fastened together when the device is in operation by the metallic plates or cleats 24, bolted to the meeting ends of said sections. The outer end of each track-section is provided with a pulley 25 for the feed rope or cable to run on. The track-section 4 is provided near its inner end with a drum 26 to guide said cable.

The reciprocating carriage 2 may be of any desired construction, consisting of a framework 27, adapted to receive the logs or timber, mounted upon wheels which run on the rails of the track-sections 3 and 4.

When the machine is set up for operation, as shown in Fig. 3, the front axle 8 is removed by taking out the king-bolt 9, the rear wheels are removed from their axle, and the main frame 1 placed in a level position and blocked up, if necessary. The two track-sections 3 and 4 are then fastened together by means of the plates 24 and then secured to the main frame 1 by the braces or cross-timbers 28, which are bolted to the under side of the longitudinal sills 5 and to the under side of the track-sections. An additional diagonal brace 29 may also be provided to connect the main frame and the track-section 4. It will thus be noticed that the parts will be securely held together and the tracks will always be in line with the main frame and with each other. The carriage 2 is then placed upon the track and connected up with the feed-cable in any desired manner.

To facilitate the loading of the logs upon the reciprocating carriage 2, I may use the skids or timbers 30 by placing one end upon the sills 5 of the main frame and the other upon the ground. The logs may then be

rolled up these skids 30 upon the cross-beams 20 and then down upon the carriage.

When the machine is packed up for transportation, the main frame or truck is adapted to receive all the parts, as shown in Figs. 1 and 2. The main frame is first properly mounted upon the wheels 10 and 13. The carriage 2 is then placed upon the top and held in position by the cross-beams 20, and the two track-sections are then placed upon the top of the carriage. The braces 28 29, the skids 30, and other loose parts are then placed in the truck upon the floors 7 and 21.

It will be seen that by thus constructing the main frame or truck with a very long body or bed I am able to securely fasten the track-sections thereto to insure their being in line with each other and the saw, and I am allowed to load the track-sections and other parts upon the same for convenient transportation.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of the invention will be readily understood without requiring an extended explanation.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A portable sawmill comprising a main frame detachably mounted upon supporting-wheels and having a saw mounted thereon, said frame comprising longitudinal sills connected by a set of cross-bars and platforms upon said frame, one forming in connection with some of said cross-bars a log-runway, and the other serving as a support for the operator, a carriage adapted to rest upon said cross-bars when the mill is not in use, a second set of cross-bars adapted to be secured to the under side of the frame when the wheels are detached and support the frame, and project laterally at one side of said frame, track-sections adapted to be superposed upon the carriage when the mill is not in use and to be supported upon the laterally-projecting portions of said second set of cross-bars when the mill is in use, means for fastening the track-sections together, means detachably connecting between the frame and track-sections for bracing and supporting the latter, and detachable inclined skids adapted to be supported by the frame and form tracks up which the logs may be rolled to the runway, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILBUR L. HUNT.

Witnesses:

ANDREW O. NETTAND,
INGVALD KNUDSON.