

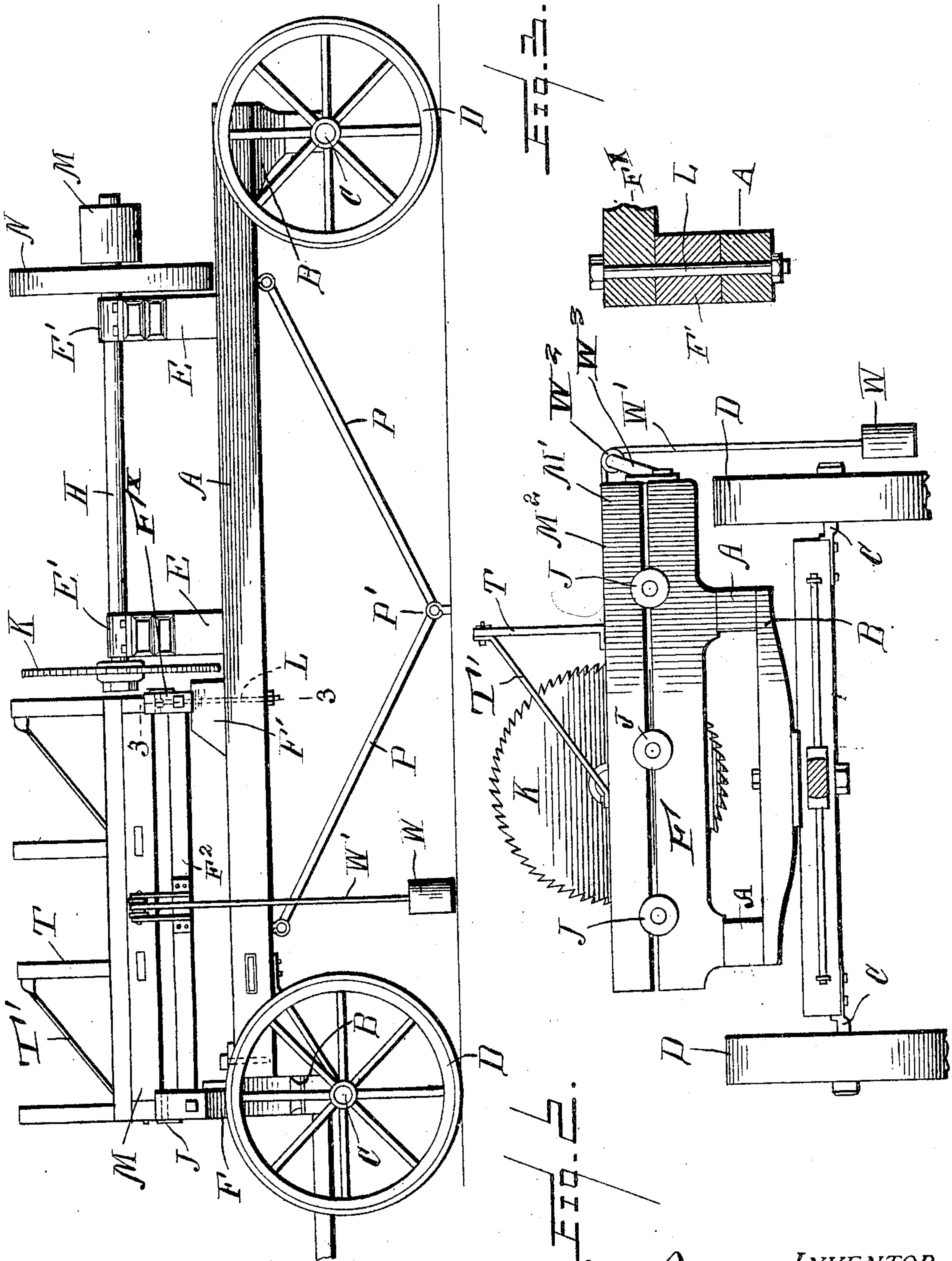
No. 804,073.

PATENTED NOV. 7, 1905.

G. F. WALLACE.  
PORTABLE SAWING MACHINE.

APPLICATION FILED OCT. 26, 1904.

2 SHEETS—SHEET 1.



WITNESSES:

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INVENTOR  
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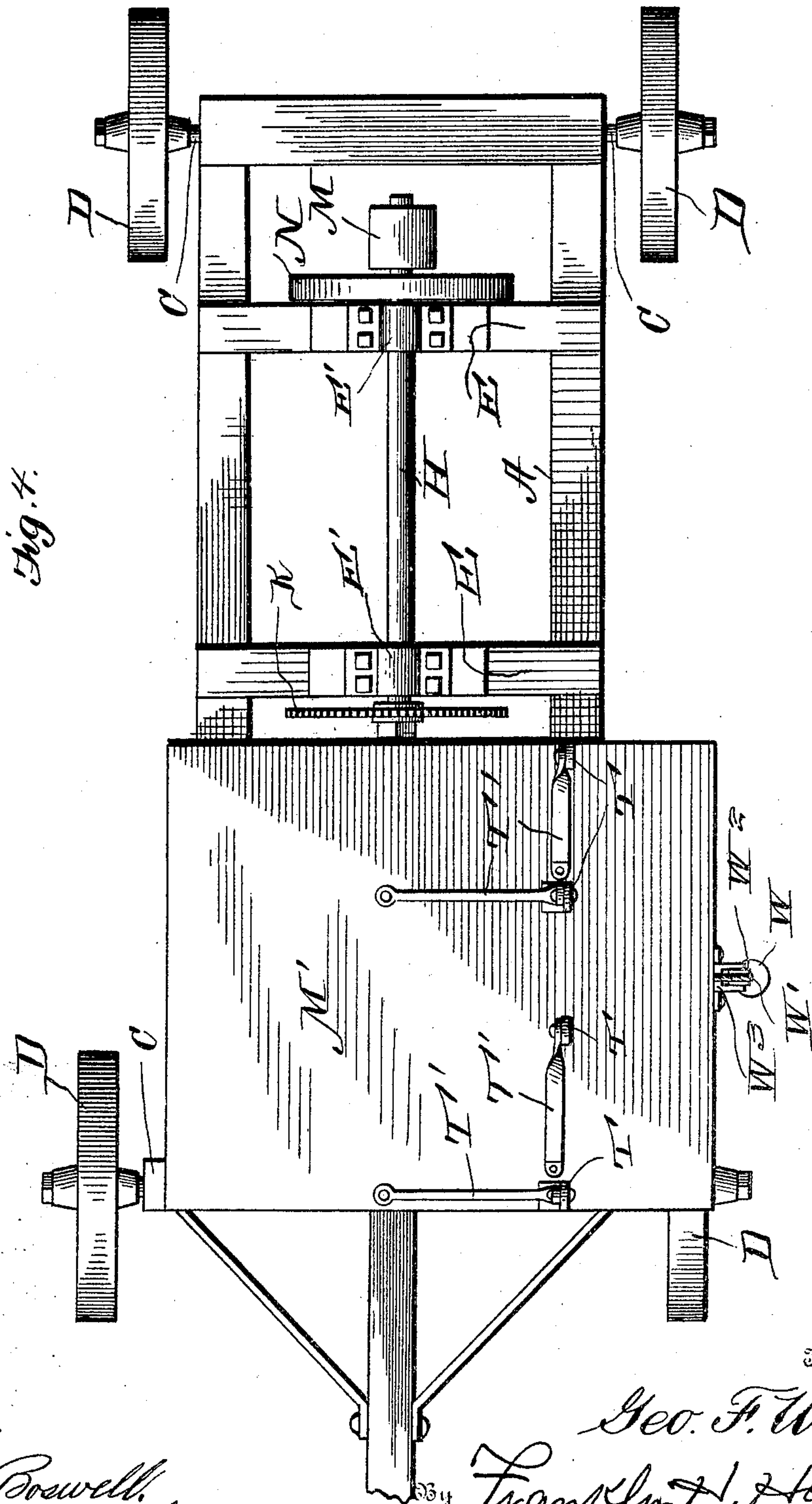
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2 SHEETS—SHEET 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

GEORGE F. WALLACE, OF AINSWORTH, IOWA.

## PORTABLE SAWING-MACHINE.

No. 804,673.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed October 26, 1904. Serial No. 230,134.

*To all whom it may concern:*

Be it known that I, GEORGE F. WALLACE, a citizen of the United States, residing at Ainsworth, in the county of Washington and State of Iowa, have invented certain new and useful Improvements in Portable Sawing-Machines; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in portable sawing-machines; and the object of the invention is to produce a simple and efficient means which may be applied to the truck of a wagon and so arranged that logs or other material may be conveniently sawed, and in the provision of suitable apparatus whereby the frame of the wagon may be securely anchored to the ground while the machine is in use.

The invention consists in various details of construction and combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved sawing apparatus. Fig. 2 is an end elevation, and Fig. 3 is a sectional detail view. Fig. 4 is a top plan view of the invention.

Reference now being had to the details of the drawings by letter, A designates the frame of a wagon, which is mounted upon a bolster B and provided with axles C, upon which the wheels D are journaled. Mounted upon the frame of the wagon are the cross-pieces E, to which are fixed journal-boxes E', in which the driving-shaft H has bearing. A saw K is fixed to one end of the shaft and a balancing-wheel N is fixed to said shaft near its other end and spaced apart from the saw a sufficient distance, so that said balance-wheel will not interfere with sticks of wood being sawed. A driving-pulley M is mounted upon the shaft

H, whereby belted connection may be had for the purpose of driving the shaft and the saw fixed thereto. F and F<sup>x</sup> designate two cross-pieces, the former of which rests upon the front end of said frame and the latter upon the blocks F', and connecting said cross-pieces F and F<sup>x</sup> are beams F<sup>2</sup>. J J designate bearing-shafts mounted upon said cross-pieces F and F<sup>x</sup> and upon which the table M' travels, said shafts serving as rollers. A movable table M' is mounted upon said rollers and has upright standards T, which have braces T' connecting the same with the table. A rope W' is fastened at one end to said table and passes over a pulley W<sup>2</sup>, mounted upon a bracket-arm W<sup>3</sup>, which is fastened to the rack F and has a weight W secured thereto, whereby said table may be normally held in the position shown in Fig. 2 of the drawings. A bolt L passes through registering apertures in the rack F, the cross-piece F', and the frame A, as shown in the sectional detail, Fig. 3, whereby the rack and table may be securely held to the frame.

In order to hold the apparatus stationary while in operation, I have provided the brace-rods P, which are fastened to the eyes upon the under side of the frame and their lower ends designed to be fastened to an anchorage-post P'.

In operation the material to be sawed is placed upon the table and against the standard T, and by pushing the table horizontally the article to be sawed may be held against the cutting edge of the saw, and when pressure is relieved from the table the weight will return the same to its normal starting position.

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

A portable sawing apparatus comprising a frame, a mounting therefor, cross-pieces supported on said frame, an operating-shaft journaled in suitable bearings upon said cross-pieces, a saw fixed to said shaft cross-pieces F and F<sup>x</sup> also supported on said frame, beams F<sup>2</sup> connecting said cross-pieces F and F<sup>x</sup>, bearing shafts or rollers J, J, journaled on the latter, a table mounted upon said shafts J, stand-

ards rising from the table, a bracket member  
secured to one of said beams F<sup>2</sup> and project-  
ing above the top thereof, and adapted to  
form a stop to limit the movement of said  
5 table in one direction, a pulley carried by said  
bracket member, a rope secured to said table  
and passing over said pulley, a weight secured  
to the end of said rope, rods secured to said

frame, and an anchorage-post to which said  
rods are fastened, as set forth. 10

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

GEORGE F. WALLACE.

Witnesses:

CHAS. CORETTE,  
A. G. WILCOX.