

No. 685,445.

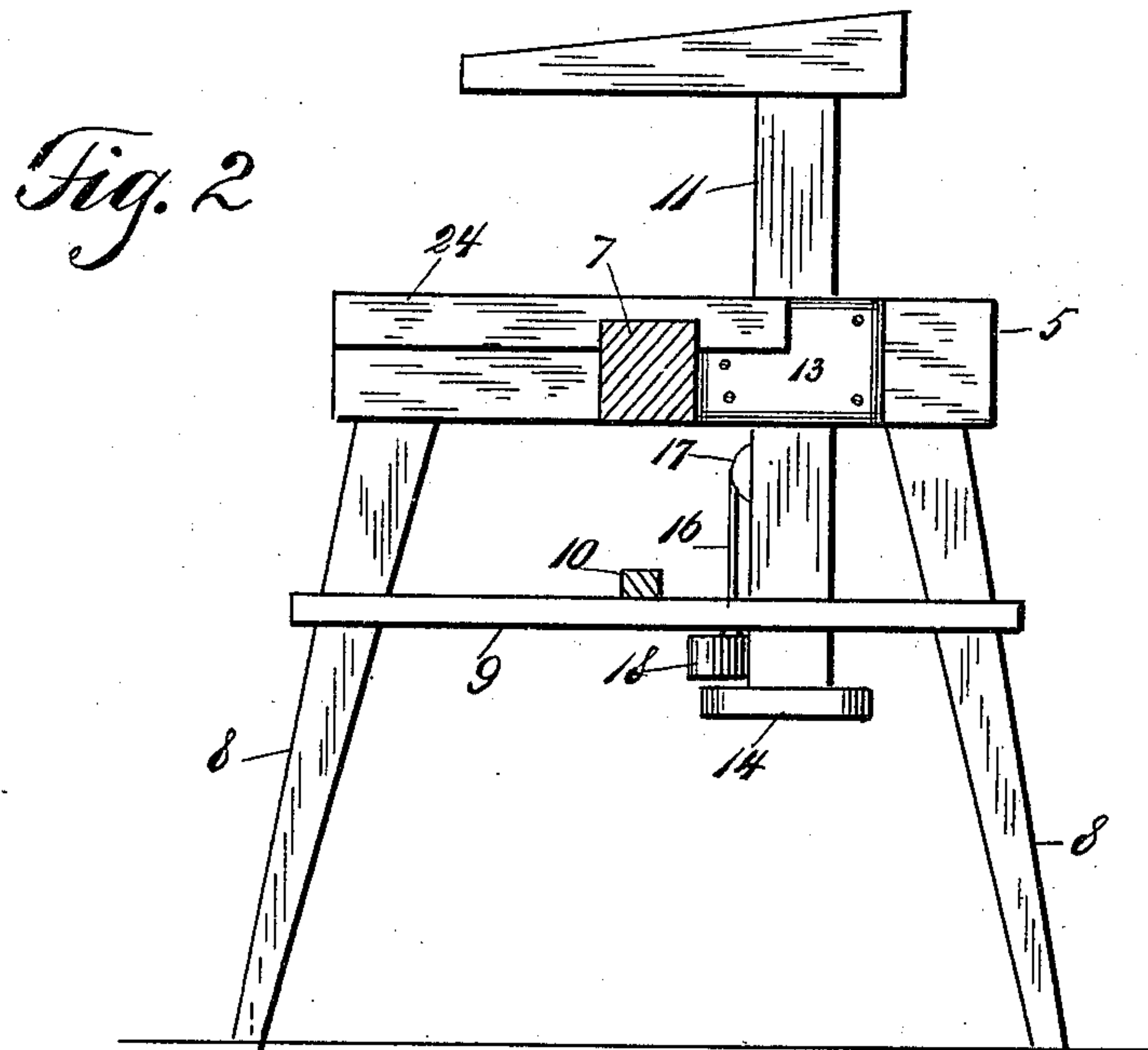
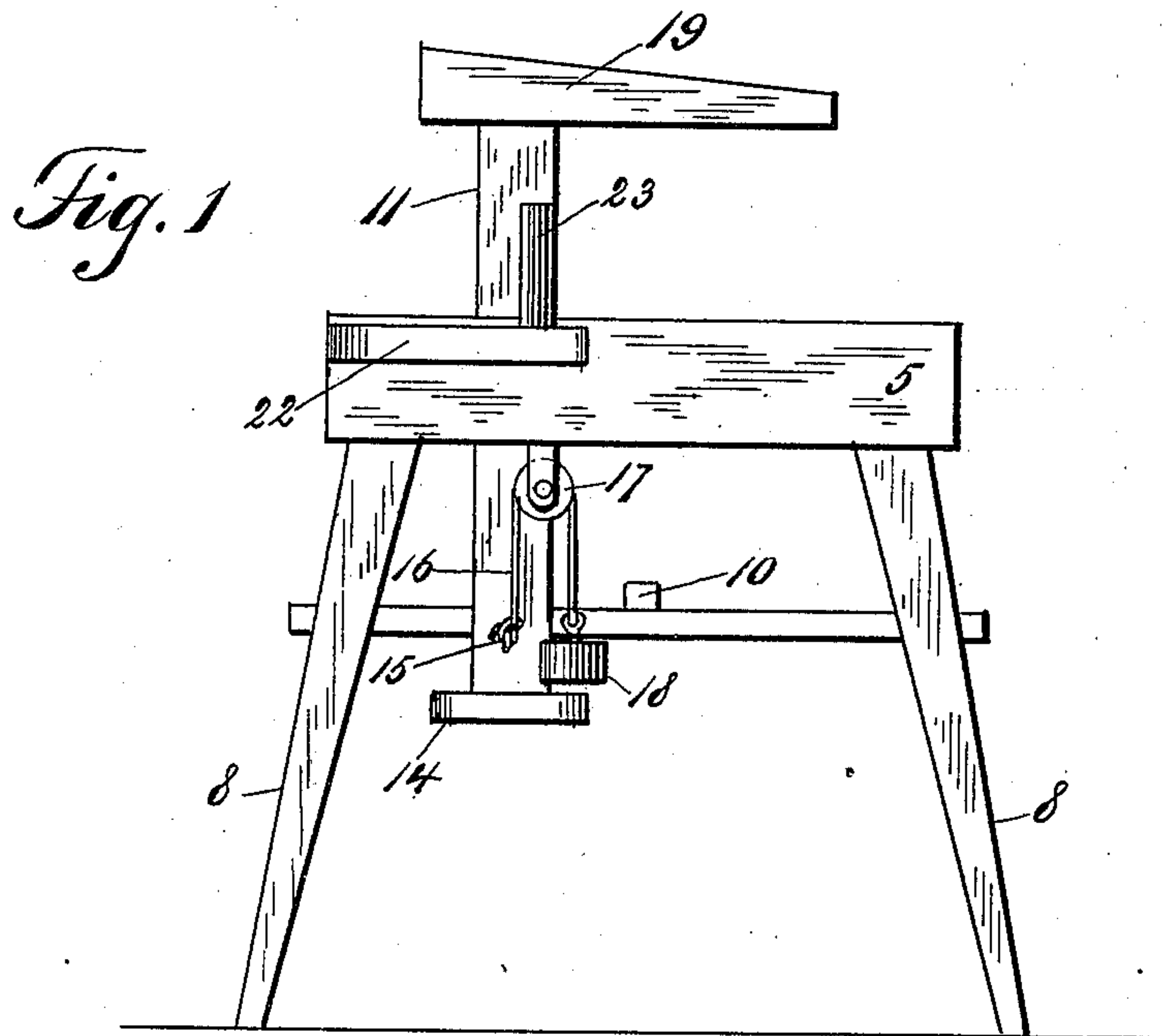
Patented Oct. 29, 1901.

M. A. ELLIOTT.
SAWHORSE.

(Application filed May 1, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

L. R. Dwyer
F. A. Stewart

INVENTOR

Milord A. Elliott

BY *Edgar P. Felt*
ATTORNEYS

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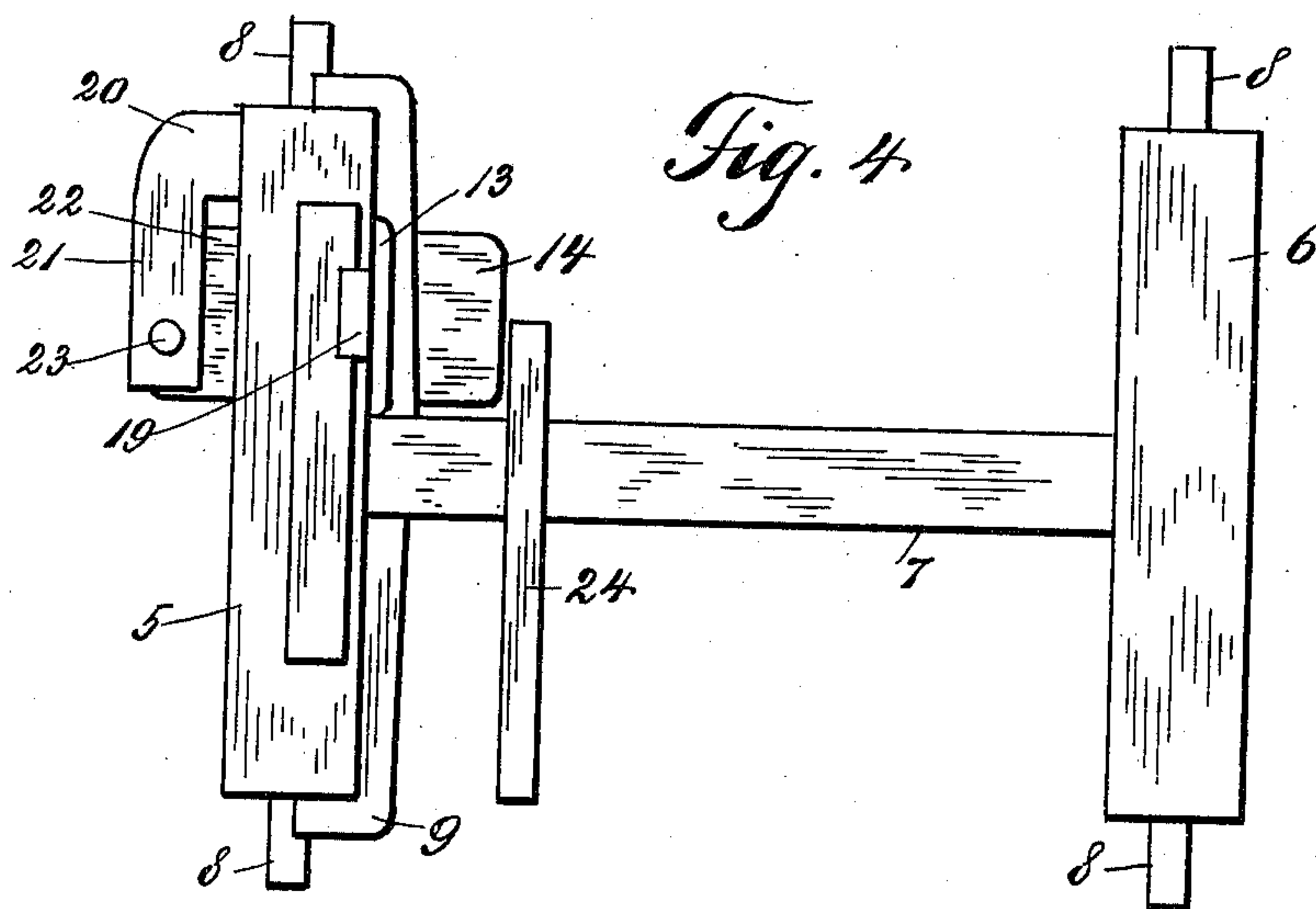
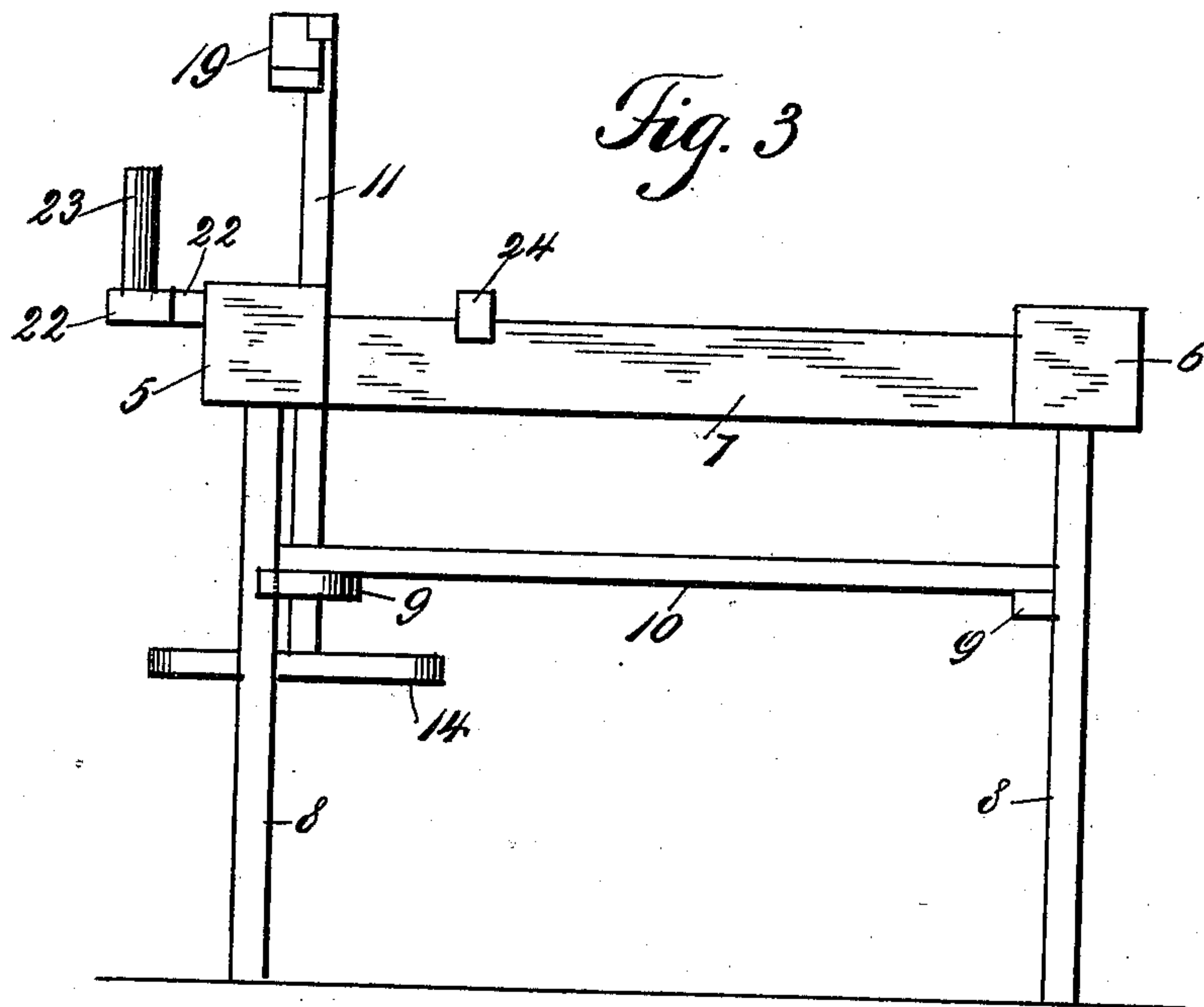
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UNITED STATES PATENT OFFICE.

MILO A. ELLIOTT, OF WATERVILLE, MAINE.

SAW-HORSE.

SPECIFICATION forming part of Letters Patent No. 685,445, dated October 29, 1901.

Application filed May 1, 1901. Serial No. 58,278. (No model.)

To all whom it may concern:

Be it known that I, MILO A. ELLIOTT, a citizen of the United States, residing at Waterville, in the county of Kennebec and State of Maine, have invented certain new and useful Improvements in Saw-Horses, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved device of the class known as "saw-horses" or "carpenters' horses" for holding planks or other lumber while the latter are being sawed; and the invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same reference characters in each of the views, and in which—

Figure 1 is an end view of my improved saw-horse. Fig. 2 is a view thereof in central vertical section looking from the end opposite to that shown in said Fig. 1. Fig. 3 is a view of Fig. 1 looking to the left in the direction of the arrow shown in Fig. 1, and Fig. 4 is a plan view thereof.

In the practice of my invention I provide a device of the class specified which consists of a frame, preferably composed of two parallel end pieces 5 and 6, which are connected, preferably, by a longitudinal piece 7, secured thereto in any desired manner, and the end pieces 5 and 6 are supported by legs 8, which are connected by transverse plates or bars 9, and said plates or bars 9 are connected by a horizontal bar 10, thus forming a strong and substantial main frame; but this frame may be made in any desired manner.

The top end piece 5 is provided with a vertically-movable bar 11, which passes downwardly through a suitable recess formed in one side thereof and is held in place by a plate 13, and the lower end of the bar 11 also passes through a recess in the transverse plate 9 under the end piece 5 of the frame or through a recess formed in one edge thereof and is provided at its lower end with a foot-plate 14.

Secured to the bar 11, near its lower end, as shown at 15, is a rope, cord, or similar device 16, which is passed over a pulley 17, suspended beneath the end piece 5 of the frame, and a weight 18 is connected with the end of said rope, cord, or similar device, and said rope and weight serve to raise the bar 11 after it has been depressed by the foot operating on the plate 14.

The upper end of the bar 11 is provided with a jaw 19, which projects forwardly over the end piece 5 of the frame, and secured to the outer side of said end piece at 20 is an arm 21, which projects forwardly and between which and the end piece 5 is a space 22, and said arm serves as a guide-piece for the saw and is provided at its forward end with a vertically-arranged supplemental guide 23.

Secured to the top horizontal piece 7 of the frame, adjacent to the end piece 5, is a transverse support 24, and the top of this support is parallel with the top of the end pieces 5 and 6. In using this apparatus the planks or other timber to be sawed are placed on top of the end pieces 5 and 6 and rest thereon and on the support 24, and the operator stands at the back of the device and with the left hand pulls the plank on which he is operating backwardly beneath the jaw 19, which is depressed by placing the foot on the plate 14, and the saw is used with the right hand, as will be readily understood. It will also be apparent that a spring may be used in place of the weight 18 and the cord 16 for raising the vertically-movable bar 11, if desired, and other changes in and modifications of the construction described may be made without departing from the spirit of my invention or sacrificing its advantages.

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

A saw-horse comprising a frame, a vertically-movable bar at one end thereof provided at the upper end thereof with a jaw which projects transversely of the frame, said bar being also provided at its lower end with a foot-plate by which it may be depressed and automatic raising devices, and

the frame being also provided at the end thereof adjacent to said vertically-movable bar with a transversely-arranged arm which projects forwardly and which serves as a
5 saw-guide, substantially as shown and described.

In testimony that I claim the foregoing as

my invention I have signed my name, in presence of the subscribing witnesses, this 26th day of April, 1901.

MILO A. ELLIOTT.

Witnesses:

D. P. FOSTER,
L. M. WRIGLEY.