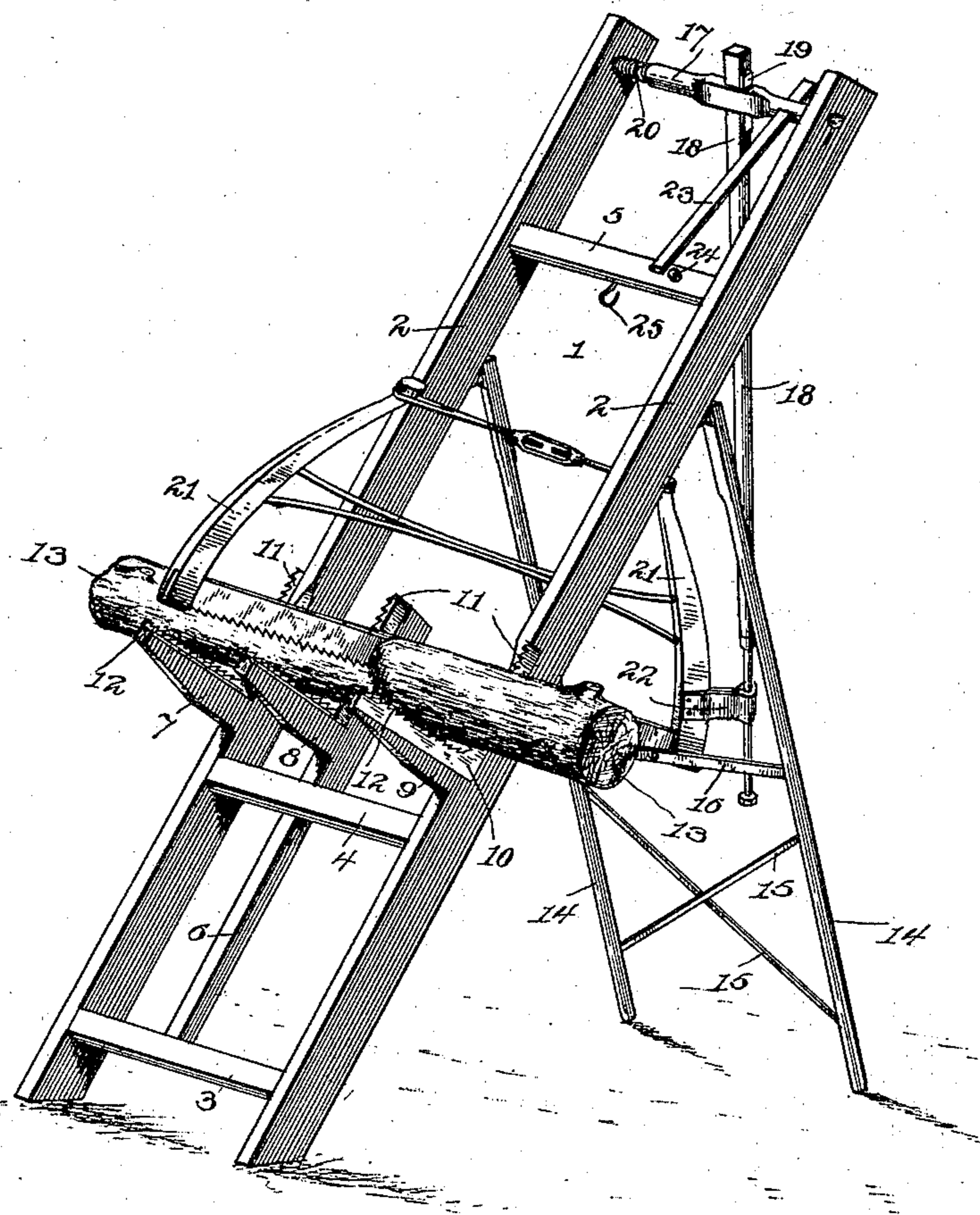


(No Model.)

F. CHINGAR.
SAWING MACHINE.

No. 604,727.

Patented May 31, 1898.



Witnesses:
Fenton S. Belt,
Albert H. Hillman

Inventor:
Frank Chingar
by *A. B. Wilson & Co.,*
Attorneys.

UNITED STATES PATENT OFFICE.

FRANK CHIMGAR, OF TOWER, MINNESOTA.

SAWING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 604,727, dated May 31, 1898.

Application filed January 27, 1898. Serial No. 668,140. (No model.)

To all whom it may concern:

Be it known that I, FRANK CHIMGAR, a citizen of the United States, residing at Tower, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in 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.

My invention relates to certain novel improvements in hand-power sawing-machines, and the object is to provide a simple, inexpensive, and effective device of this class.

To this end the invention consists in the construction, combination, and arrangement of the several parts of the device, as will be hereinafter more fully described, and particularly pointed out in the claim.

The accompanying drawing shows 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 claim at the end of this specification.

The drawing is a perspective view of my improved sawing-machine.

1 represents the rectangular frame, comprising the parallel side rails 2 2, suitably connected by the cross-braces 3, 4, and 5, and 6 denotes a third rail fixed in the braces 3 4 about midway between and parallel with the side rails 2 2.

7, 8, and 9 represent arms fixed at right angles to the rails 2 2 and 6, and each of these arms is provided with a right-angular sheet-metal plate 10, formed with two series of serrations or teeth 11 and 12, the points of which are inclined toward the angle of the plates to retain the stick or log of wood 13 in place while being cut.

14 14 denote parallel legs hinged to the rails 2 2, and 15 15 represent diagonal crossed braces for maintaining said legs in their parallel position. Horizontal parallel-hinged braces connect the legs and side rails on op-

posite sides of the frame, (only one, however, is shown at 16,) and they are adapted to be folded to reduce the space occupied by the machine when not in use.

17 represents an axle or oscillating shaft journaled in suitable bearings in the upper end of the side rails 2 2, in which is adjustably or removably secured a depending handle 18, secured in place by a wedge 19, and 20 represents a spiral spring encompassing one end of the shaft 17 and having its free ends fixed in the shaft and rail, respectively.

21 represents the bucksaw, and 22 represents a clamp fixed to one end of the saw-frame and adjustably encompassing the lower end of the handle 18, so as to support the bucksaw in a vertical position and at the same time permit it to descend as it is reciprocated by the handle 18 to cut its way through the wood 13.

23 represents an arm depending from the shaft 17, and 24 denotes a buffer-spring fixed in the brace 5 and projecting into the path of the lower end of the arm 23 to take up the recoil of the saw when in motion.

25 represents a hook fixed in the brace 5 on which to hang the saw when not in use.

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—

In a sawing-machine, the combination with the frame, 1, the brace, 5, and the buffer-spring, 24, fixed therein, of the right-angular serrated plates forming a log-support, of the spring-actuated shaft, 17, the handle, 18, fixed to said shaft, the saw, 21, connected to said handle, and the buffer-arm, 23, depending from said shaft and having its lower end alined with said buffer-spring, 24, substantially as shown and described.

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

FRANK CHIMGAR.

Witnesses:

JOS. J. SOKLICH,
FRANK WAGNER.