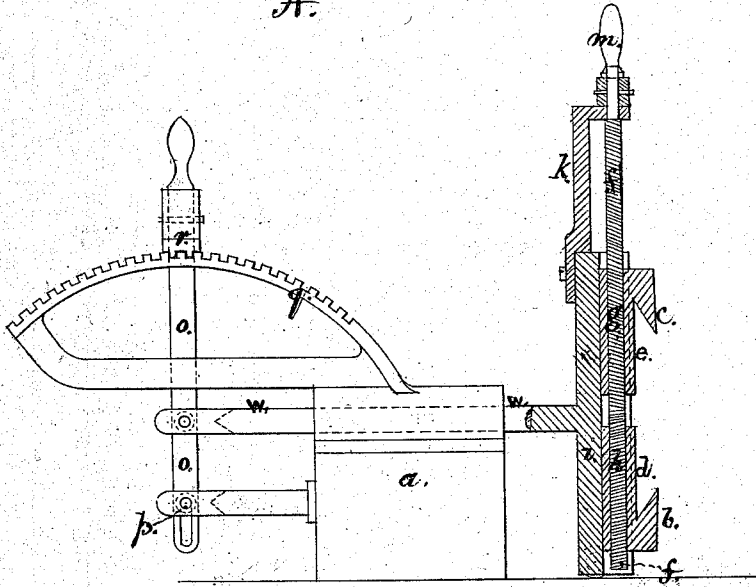


No. 102,996.

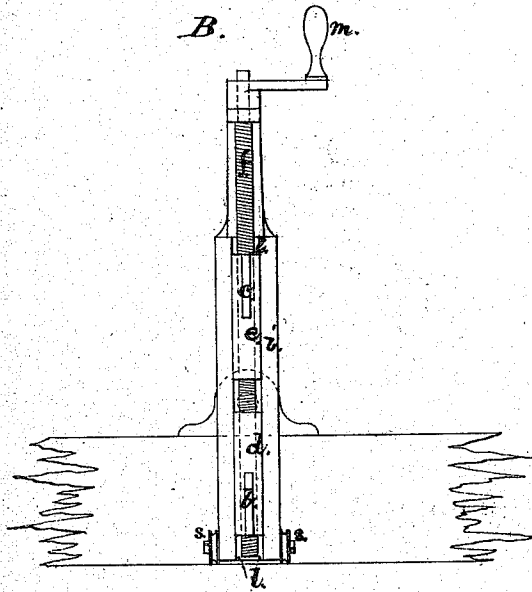
PATENTED MAY 10, 1870.

W. WELLINGTON.
HEAD BLOCK FOR SAWMILLS.

A.



B.



Witnesses
J. P. Beale
S. M. Pool

W. Wellington, Inventor
by Crosby, Hulsted & Child
his Attorneys

United States Patent Office.

WINSLOW WELLINGTON, OF HILLSBOROUGH, NEW HAMPSHIRE, ASSIGNOR
TO BENJAMIN WELLINGTON, OF BUFFALO, NEW YORK.

Letters Patent No. 102,996, dated May 10, 1870.

IMPROVEMENT IN HEAD-BLOCKS OF SAW-MILLS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, WINSLOW WELLINGTON, of Hillsborough, in the county of Hillsborough and State of New Hampshire, have invented an Improved Saw-Mill Mechanism; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

The invention relates to that part of a saw-mill mechanism by which the log is held for the action of the saw.

The drawings represent a mechanism embodying my invention.

A shows the mechanism in side and sectional elevation.

B is a front elevation of it.

a denotes the head-block, to the front of which the log is to be secured by the dogging mechanism, one of which is shown in the drawings.

b c denote the two dogging-teeth, placed in vertical line, the points of the teeth standing toward each other, as shown at A.

The lower tooth, *b*, springs from the front of a tube, *d*, and the upper tooth from the front of a similar tube, *e*, both tubes being upon a vertical shaft, *f*. This shaft has upon its surface two screw-threads, *g h*, which work in nut-threads in the tubes.

The shaft is supported in suitable bearings at the foot of a vertical guide-rail or upright, *i*, and at the top of a post or bearing, *k*, erected upon such rail, the tubes being guided (as moved up and down by the screw-threads) by guides or ways, *l*, on the front of the rail.

At the top of the screw-shaft is a crank or handle, *m*, for turning the shaft, and, as it is turned, the two teeth are simultaneously forced toward each other and

into the top and bottom of the log, (one side of which is brought between them,) or are forced apart and out of the log, or into position to be forced into the log in accordance with the direction of rotation of the handle.

The upright *i* is fixed on the front of a horizontal slide-rod, *n*, which passes through the head-block, as denoted at A, the rear end of this rod being jointed to a hand-lever, *o*, which is fulcrumed at *p*, the upright and the dog-teeth being forced forward or back by turning the lever, and the upright being held in any required position (into which it has been forced by the lever) by means of a circular or segmental rack, *q*, and a detainer-pawl, *r*, sliding upon the lever-handle, as will be readily understood.

To enable the upright to move freely, it is supported at bottom upon two rolls, *s*.

By means of the dogs thus made movable in and out from the line of the log, as well as together into the log, either end of the log may be moved laterally when dogged to adjust the position of the side of the log to be cut.

I claim—

In combination with a head-block having a sliding post or upright, *i*, carrying two dogging-teeth, simultaneously operated, as shown, the rollers *s*, for supporting such post or upright, substantially as shown and described.

Also, in combination with such post or upright and dogging-teeth, the lever *o*, toothed rack *q*, and pawl *r*, for moving the post and locking it in position, substantially as described.

Executed October 20, 1869.

WINSLOW WELLINGTON.

Witnesses:

H. A. AVERILL,
EDWIN B. MORSE.