

(No Model.)

A. STEVELEY.
ATTACHMENT FOR SAWING MACHINES.

No. 564,118.

Patented July 14, 1896.

Fig. 1.

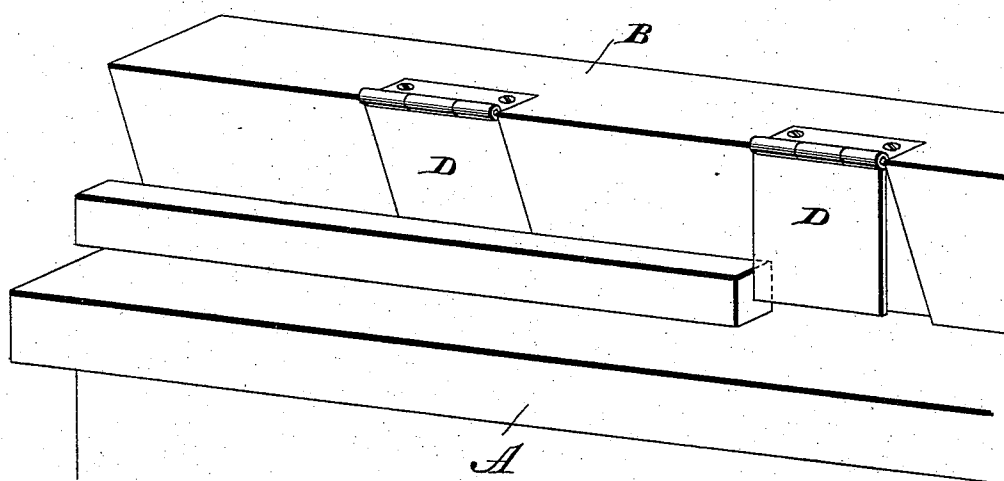
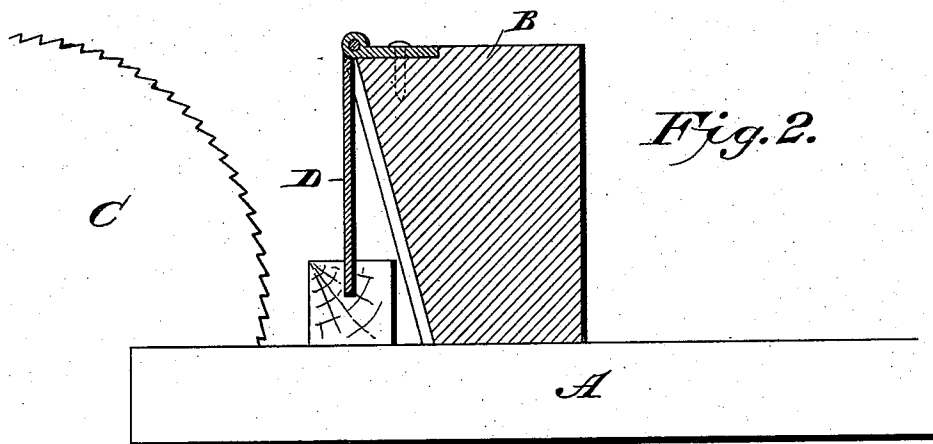


Fig. 2.



WITNESSES

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ANDREW STEVELEY, OF NEWPORT, ARKANSAS.

ATTACHMENT FOR SAWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 564,118, dated July 14, 1896.

Application filed May 7, 1896. Serial No. 590,576. (No model.)

To all whom it may concern:

Be it known that I, ANDREW STEVELEY, a citizen of the United States of America, residing at Newport, in the county of Jackson and State of Arkansas, have invented certain new and useful Improvements in Attachments for Sawing-Machines; and I do hereby 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 letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a sawing-machine with automatic stops, by means of which lumber can be cut into predetermined lengths, the same being designed more especially in making flooring of hard wood in which the pieces are cut into lengths of four inches or multiples of four inches up to sixteen feet, though the same device may be used for many other purposes.

The invention consists in combining with a guide-rail a series of stops which move automatically into position so that the inner end of a piece of lumber can be caused to engage either one of said stops to thereby determine the length to be cut.

The invention further consists in the particular construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view showing an attachment for sawing-machines constructed in accordance with my invention, and Fig. 2 is a vertical sectional view.

A designates the table or carriage of a sawing-machine, and upon this table is mounted a rail B, positioned at right angles with the saw C, and against this rail the lumber to be cut bears when it is fed to the saw.

The rail B is provided with a series of stops D, which are so constructed and connected to said rail that normally they will be positioned away from the edge against which the lumber to be cut bears, to thereby pro-

vide movable stops with any one of which the inner end of the lumber can be brought into contact, the intermediate stops being moved out of operative position by the piece of lumber engaging therewith.

The edge of the rail B against which the lumber bears is beveled or inclined inward from top to bottom, as shown in Fig. 2, and at suitable intervals this inclined edge is recessed to receive the movable stops D. These stops each consist of two sections, which are hinged to each other, one section being secured to the upper edge of the rail B, while the other section or part depends vertically and normally lies away from the recess therefor in said rail.

It will be noted that the stops are practically ordinary hinges, one of the leaves being screwed to the rail while the other depends so that it can be swung upon the pin in and out of operative position.

In practice the movable stops are attached to the rail B at suitable intervals, and when a piece of lumber is placed upon the table A to bear against the inclined edge of the rail B it will swing the adjoining stops into their recesses, after which the said piece of lumber can be moved to engage the stop that will determine its length after being sawed.

The device herein shown and described provides a very simple, cheap, and effective stop or gage for sawing-machines, and the construction and arrangement is such that the said stop will move automatically into operative position and at the same time will not interfere with the lumber engaging the edge of the guide-rail.

Having thus described my invention, I do not wish to be limited to the particular construction shown, but desire to reserve the right to modify such construction within the spirit and scope of my claims, which are—

1. In a sawing-machine, the combination with the beveled guide-rail, of a stop pivoted to the overhanging edge of the guide-rail so as to depend normally in a vertical position, said stop being adapted to be swung so as to lie parallel with the beveled edge of the guide-rail, substantially as shown.

2. In a sawing-machine, the combination
with the guide-rail having an inclined edge
with which the lumber contacts, said inclined
edge being provided with a series of recesses,
5 and movable stops consisting of two parts
hinged to each other, one of the parts being
secured to the upper edge of the rail so that
the other part will depend to normally lie

away from its recess in said rail, substan-
tially as shown and for the purpose set forth. 10

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

ANDREW STEVELEY.

Witnesses:

M. M. STUCKEY,

GEO. R. HAYS.