(No Model.)

L. E. PAINE.

WEATHER BOARD SAWING ATTACHMENT FOR CIRCULAR SAWS.

No. 448,162. Patented Mar. 10, 1891.

FIG. 1.

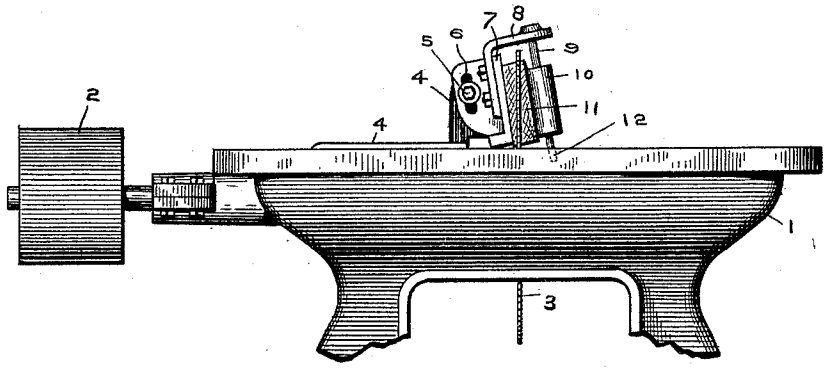


FIG. 2.

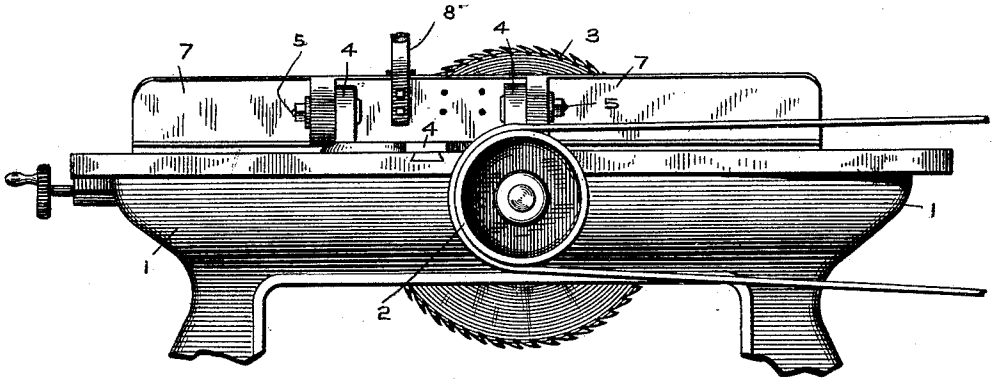
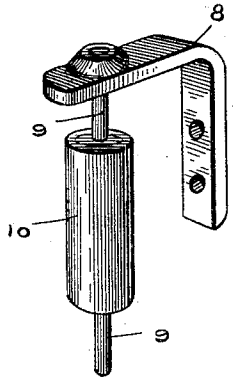


FIG. 3.



Witnesses

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Inventor

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UNITED STATES PATENT OFFICE.

LUTHER E. PAINE, OF EDINBURG, INDIANA, ASSIGNOR TO THE EDINBURG FOUNDRY AND MACHINE COMPANY, OF SAME PLACE.

WEATHER-BOARD-SAWING ATTACHMENT FOR CIRCULAR SAWS.

SPECIFICATION forming part of Letters Patent No. 448,162, dated March 10, 1891.

Application filed October 11, 1890. Serial No. 367,842. (No model.)

To all whom it may concern:

Be it known that I, LUTHER E. PAINE, of Edinburg, county of Johnson, and State of Indiana, have invented certain new and useful Improvements in Weather-Board-Sawing Attachments for Circular Saws; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters refer to like parts.

My invention relates to the construction of devices for holding boards while being sawed diagonally, and is intended to be attached to an ordinary circular sawing machine, and will be understood from the following description.

In the drawings, Figure 1 is an end view of my device attached to the machine. Fig. 2 is a side view, and Fig. 3 is an enlarged detail view, of the device detached.

In detail, 1 is the machine-frame, 2 a driving-pulley, and 3 the saw, these being constructed and arranged in the ordinary way.

4 is a gage-plate set upon the top of the table and connected in the usual manner.

5 is a thumb-screw passing through a slot 6, formed in a plate 7, which is set at an angle to the upright part of the gage-plate and is locked by means of the thumb-screw.

8 is a bent arm bolted to the plate 7 and carrying a headed spindle 9, on which is mounted a pressure-roller 10, preferably made of rubber, set to bear directly against the side of the inclined board 11, the foot of the spindle 9 resting in an inclined socket 12, formed in the table of the machine. The head of the spindle 9 rests upon the top of the angle-arm 8, the spindle passing through and working loosely in an opening in such arm.

The device is clamped by means of the thumb-screw to the plate 4, and the board 11 is passed in between the plate 7 and the roller 10 and fed to the saw, which divides the board into two pieces on a diagonal line, as shown, making the usual tapering weather-board or siding for houses. The heads of the bolts which unite the plate 7 to the arm 8 are countersunk, so as to prevent any resistance to the movement of the board.

My device is easily attached and can readily be applied to any ordinary circular sawing machine, and is inexpensive in construction and not easily disarranged.

What I claim as my invention, and desire to secure by Letters Patent, is the following:

1. In a sawing-machine, an attachment for sawing weather-boarding, comprising a gage-plate connected to the machine-table having an upright projection, an auxiliary plate detachably secured thereto by means such as a thumb-screw, a bent arm bolted to such plate carrying a revoluble spindle, a pressure-roll rigidly mounted thereon, and the foot of the spindle seated in an inclined socket formed in the table of the machine, substantially as shown and described.

2. An attachment for circular sawing machines, comprising the plate 7, connected to the machine-frame, a bent arm 8, connected to such plate and carrying a revoluble headed spindle 9, a pressure-roll 10, rigidly mounted on such spindle, a sawing-machine table having an inclined socket in which such spindle is seated, and a gage-plate connected to such table, with means, substantially as described, for securing the parts in position.

3. An attachment for circular sawing machines, comprising the plate 7, connected to the machine-frame, an arm 8, connected thereto and carrying a revoluble spindle 9, an elastic pressure-roll 10, mounted on such spindle, a sawing-machine table having an inclined socket therein, and a gage-plate connected to such table, with means, substantially as described, for securing the parts in position.

In witness whereof I have hereunto set my hand this 8th day of October, 1890.

LUTHER E. PAINE.

Witnesses:
WM. E. DEUPREE,
C. W. DAVIS.