(No Model.)

E. M. BYRKIT.

CLAPBOARD MARKING DEVICE.

No. 360,997. Patented Apr. 12, 1887.

Fig. 1.

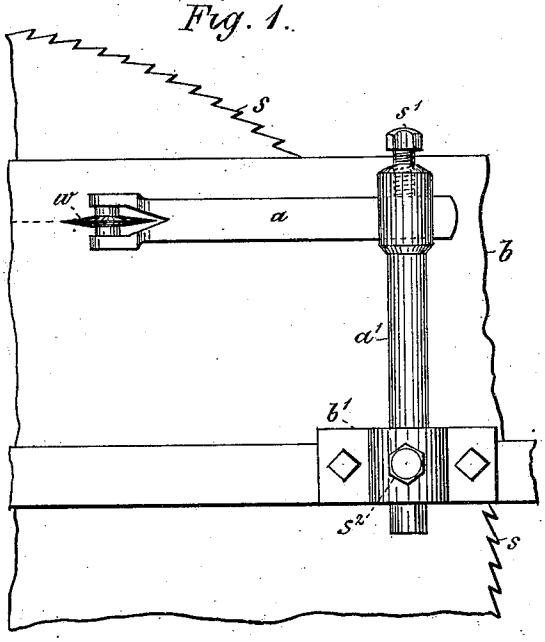


Fig. 2.

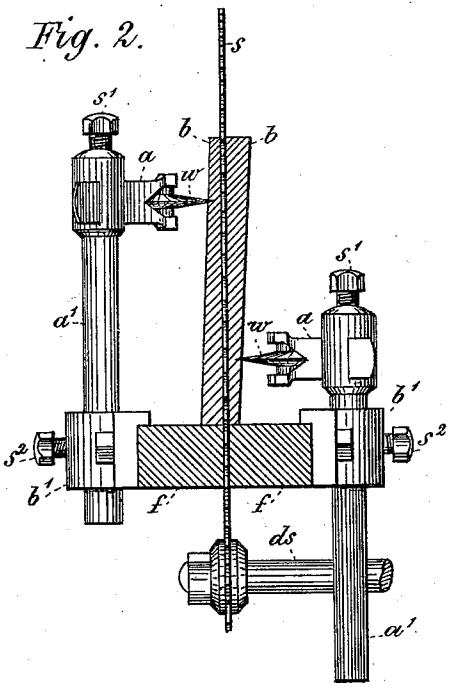
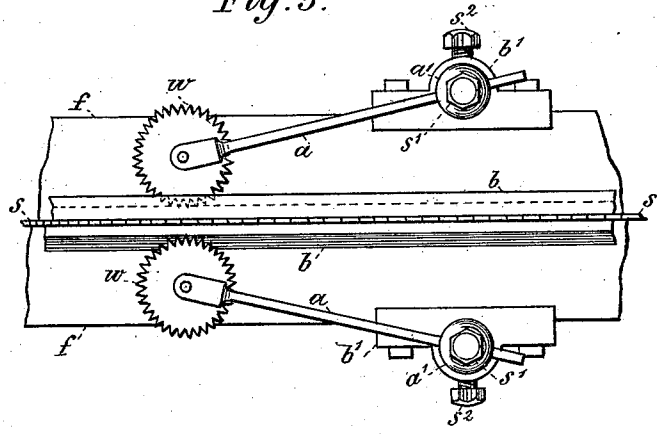


Fig. 3.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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CLAPBOARD-MARKING DEVICE.

SPECIFICATION forming part of Letters Patent No. 360,997, dated April 12, 1887.

Application filed January 3, 1887. Serial No. 223,261. (No model.)

To all whom it may concern:

Be it known that I, EDWIN M. BYRKIT, of Michigan City, county of La Porte, and State of Indiana, have invented certain new and useful Improvements in Siding-Gages; 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 to be attached to the frame of a resawing-machine for gaging siding, this operation being performed simultaneously with the cutting of the board into the beveled pieces which form the siding, and will be understood from the following description.

In the drawings, Figure 1 represents my device attached to one side of the saw-frame. Fig. 2 is an end view showing the gaging apparatus attached to both sides of the frame of the resawing-machine for operating on both sides of the board which is being sawed, the board and saw-frame being in section. Fig. 3 is a top view of the same.

In detail, *f* is the frame of the resawing-machine; *s*, the saw mounted on the axle or driving-shaft *ds*. *b* represents a board of the usual size, from five to six inches in width and about five-eighths of an inch thick, set in an angling position, to be cut into two beveled strips of siding, as shown in Fig. 2.

The gaging apparatus consists of a boxing, *b'*, which is bolted on each side of the frame *f*, having a little projection which passes over the top of the frame, so as to give it a firm bearing thereon. This boxing admits the round upright arm *a'*, which is adjustable therein within any desired length, and is fastened at any point by a set-screw, s^2. This arm *a'* is preferably enlarged at the outer end, and is slotted to admit the arm *a*, which is adjustable in such slot, and may be fastened at any point by a set-screw, *s'*, working in the top. The arm *a* is considerably thinner that its width, a fair proportion between the two dimensions being shown in Figs. 1 and 3, and is provided with a yoke at its outer end, the arms of which provide bearings for the gudgeons or axle of the toothed wheel *w*. By turning arm *a'* the wheel *w* may be set so that its teeth will gage lighter or deeper into the board, and may be set for a board of any required thickness, and the arm *a*, being of flexible metal, will allow the wheel to pass over any obstruction without injury.

The device operates as follows: The board being put in place on the resawing-machine, one of the gages is set so as to operate on the lower edge of the board, as shown at the right hand in Fig. 2, and the other is adjusted to operate at the upper end of the opposite side of the board, as shown at the left hand in the same figure. These adjustments are easily accomplished by means of the set-screws before mentioned, and as the board is sawed the toothed wheels revolve, accurately and plainly marking and gaging the board at the required width of lap, usually about an inch, so that both operations—namely, the resawing and the gaging—are accomplished at the same time.

Heretofore the gaging of siding has been done by hand or upon a separate machine from the resawing-machine; but this requires more time and labor and makes the operation much more expensive than by the use of my device.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is the following, viz:

1. In a gaging-machine, a boxing bolted to the frame of the resawing-machine, carrying an upright arm adjustable in said boxing by means of a set screw or its equivalent, the upright arm slotted to receive a horizontal arm which is adjustable therein, the latter carrying a toothed gaging-wheel, substantially as shown and described.

2. In a gaging-machine for siding, the boxing *b'*, having an opening to admit the upright arm *a'*, the set-screw s^2, for clamping the arm in said boxing, the horizontal arm *a*, adjustable in the slot formed in the upright arm, the set-screw *s'*, for securing the same in place at any desired point, and the toothed wheel *w*, carried in bearings in such elastic arm, all combined substantially as described.

In witness whereof I have hereunto set my hand this 24th day of December, 1886.

EDWIN M. BYRKIT.

Witnesses:

JARED H. ORR,

PH. ZORN.