

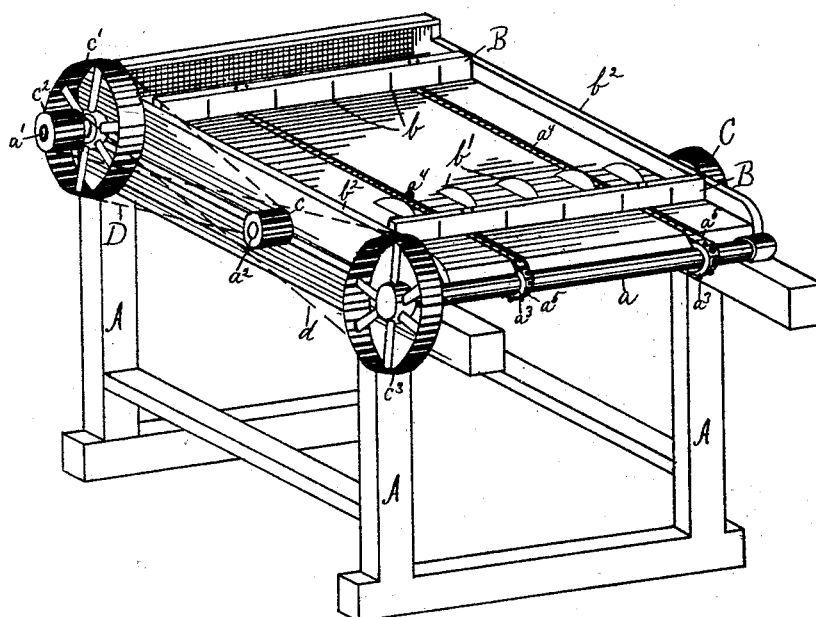
(No Model.)

T. O. WILSON.

ATTACHMENT FOR SHINGLE MACHINES FOR EDGING SHINGLES.

No. 459,031.

Patented Sept. 8, 1891.



WITNESSES:

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THOMAS O. WILSON, OF TILLAR, ARKANSAS.

ATTACHMENT FOR SHINGLE-MACHINES FOR EDGING SHINGLES.

SPECIFICATION forming part of Letters Patent No. 459,031, dated September 8, 1891.

Application filed March 14, 1891. Serial No. 385,054. (No model.)

To all whom it may concern:

Be it known that I, THOMAS O. WILSON, a citizen of the United States, residing at Tillar, in the county of Drew and State of Arkansas, have invented certain new and useful Improvements in Attachments for Shingling-Machines for Edging Shingles; 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, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

My invention has relation to machines for sawing shingles, and is for the purpose of cutting the same any width desired; and it consists in the novel construction and arrangement of its parts.

In the accompanying drawing the figure represents a perspective view of my invention.

My invention is described as follows: On a frame A are journaled three shafts a , a' , and a^2 , one on either end of said frame and the other between them. On shaft a is rigidly secured a pair of sprocket-wheels a^3 , and loosely journaled on shaft a' is a similar pair of sprocket-wheels, (not shown,) and over these two sets of sprocket-wheels and in the grooves a^4 in the upper face of the floor of the frame travel the endless sprocket-chains a^5 . Said sprocket-chains have secured to them the carriers B, which consist of a straight piece of wood having the slots b in their lower edges, through which slots the saws b' pass.

On each longitudinal edge of the upper face of the frame or table A are secured strips b^2 , which serve to guide and prevent the shingles from falling off and getting into the gearing of the machine. On the shafts a^2 are rigidly secured the saws b' , which run through suitable slots in the floor of the frame, and pulleys C and c , and on the shaft a' are rigidly secured the pulleys c' and c^2 , and on the shaft

a is rigidly secured the pulley c^3 . Around the pulleys c and c' passes the straight belt D, (indicated by dotted lines,) and around the pulleys c^2 and c^3 passes the crossed belt d .

My invention operates as follows: The power is applied to the pulley C, and the shaft a^2 , with saws b' and pulley c , is turned in the direction of pulleys c' and c^2 . Then the belt D, working over the little pulley c and large pulley c' , transmits motion in the same direction to the pulleys c' and c^2 , and as c' is much larger than c the speed will be reduced. The crossed belt d , working over the small pulley c^2 and large pulley c^3 , will transmit motion, reduced a second time, in the opposite direction, and thus carriers B travel at a much slower gait than the saws and in the opposite direction. Thus the operator stands at the rear end of the machine and places the shingles with their thick ends against the carriers B, which push them through the saws, which cut them into the proper widths, and said carriers push them off at the front end.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A shingle edger consisting of frame A, having saw-slots and chain-grooves in its floor and side strips b^2 , shaft a , having the sprocket-wheels a^3 and pulley c^3 , shaft a' , having pulleys c' and c^2 and loose sprocket-wheels similar to sprocket-wheels a^3 , shaft a^2 , having the saws b' , pulleys C and c , sprocket-chains a^5 , slotted carriers B, secured to said chain, straight belt D, and crossed belt d , all substantially as shown and described, and for the purposes set forth.

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

THOMAS O. WILSON.

Witnesses:

T. F. TILLAR,
D. C. CORRALL.