

THE "FLAT" SAWING PROCESS WITH A SWINGMILL



1 The opening cut on this 18-inch eastern white pine starts in the horizontal blade position. Here the operator is positioning for a 1 x 6 from the opening face.



4 The blade is moved to the left side of the log and dropped 1 inch for the first horizontal pass.



7 The blade is repositioned in the vertical position for the return pass. The board is finished, and removed.



2 Not able to be seen behind the vertical guard, the blade is now in the vertical position for the return pass.



5 On the return, the vertical cut is made and the edge of the next board is then ready. The inverted "v" notch on the vertical guard assists the operator in locating the next cut on the horizontal surface.



8 Again, the edge is removed.



3 On the third pass, the blade is back in the horizontal position for removal of the rest of the top of the log. It is possible to start the entire top of the log in one horizontal pass; however, most sawyers take off the top in two pieces, as shown here, to be sure that the log is centered between the rails before proceeding. The vertical cut line is centered in the log.



6 The adjustment is made for the width of the first board from the opening face. The horizontal cut is next.



9 As previously described, the process of aligning the blade, lowering for the desired thickness, and edging the next piece begins. This picture is taken at the end of the vertical pass which completes this goal.



10 Vertical drop number two is going to yield the sawyer a 1 x 8 and a 1 x 1 stacking sticks on this log.



13 Here we see the blade in swing after completion of the horizontal pass. The sawyer carefully centered the pith with his vertical drop and removed a whole row of 1 x 8 boards.



11 Here the process of removing boards vertically is started by dropping the mill 8 inches to remove the slab.



14 All potential boards have been recovered and the last vertical slab is undercut and removed.



12 Vertical slab removal is completed by a vertical pass.



15 The sawing process returns to the removal of boards horizontally for the remainder of the log.