

New Barking Machine Removes Bark Cleanly, After Which It Is Used In Producing Glue Extender For Plywood

A new method of barking logs has been developed by the Weyerhaeuser Timber Company and is now in use in the Weyerhaeuser plywood plant at Longview, Wash., announces C. C. Heritage, the firm's technical director.

The new equipment removes bark by compression and shearing action. It gives a clean separation which leaves the log free from bark, without cutting into the outer sapwood. Heritage states that conventional barking methods remove an average of five per cent of the wood from the log along with the bark.

One man operates the Weyerhaeuser machine from a carriage which moves the bark-removing compression head across the log, which turns in a giant table. Cones, which are mounted upon the carriage, rotate and shear off the bark. An air cylinder and piston furnish the power for the compression head, which automatically follows the log's contour.

The new barker was conceived and carried through several stages by the engineers of the development department making practical application of the simple principle that less force is required to crush bark than to crush green wood. When the force is right, the bark separates automatically, thus securing wood-free green bark as one product and bark-free logs as the other, cheaply without expensive equipment. The Weyerhaeuser engineering department assisted in the final designing of the barker which was built by the Globe Machinery Company, Tacoma, Wash.

Clean bark removed by the machine furnishes raw material for silvaco, new bark products used as ingredients in plastic, insecticides, magnesium flooring, rubber compounds and many other products. A part of the silvaco plant's output returns to the plywood plant for use as a glue extender. Thus for the first time the bark which provided outside protection for the tree in the forest for many years, is now first cleanly removed to permit full conversion of the wood to veneer, and is then processed and returned to the glue line on the inside of the finished plywood, contributing its unique natural properties to a superior weather-proof plywood product.

Application has been made for patents on the barker and plans are being developed to permit its use by other timber producers, Heritage announced.

He emphasized that the development is an important step in the conservation of forest products, pointing out that it follows closely upon recent developments in silvaco, which make bark a valuable source of raw products, thus utilizing the 12 per cent of fir logs formerly considered of little or no commercial value.

Work on the machine has been in progress several years. Heritage pronounced it an unqualified success, upon the basis of its performance in the plywood plant, which now receives bark-free logs without the loss of high-quality sapwood.

Average barking time for an 8-foot log of 40-inch diameter is 15 minutes, about the same as with conventional equipment. The compression cylinder and shearing head may be mounted upon standard Rosser barkers now in use.

New Bark Remover in Action



Above—New log de-barking equipment developed by the Weyerhaeuser Timber Company removes bark without crushing or splintering the log. A rotating head on a piston connected to an air cylinder squeezes bark from the log. Left—Here's the equipment at work. This process, besides saving 5% of the log formerly lost by conventional bark-removing methods, gives wood-free bark for manufacture of silvaco, a new raw material for use in plastics also developed by Weyerhaeuser. Right—Close-up of shearing head, piston and cylinder.

Skiing Good Over Week-End

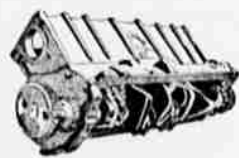
Skiing conditions were perfect at Crater Lake national park Sunday and only one personal injury and a car accident marred the day which saw 116 cars and 420 people enter the park for sports or sight seeing.

Nola Heminger, 17-year-old daughter of Mr. and Mrs. T. A. Heminger of Klamath Agency, fell on the novice trail where she was skiing at 4:45 p. m. Sunday, twisting her knee and suffering a painful sprain or torn ligament. She was moved from the park immediately to Klamath Agency hospital.

A car carrying five young skiers and operated by Dean Rippey, 19, Eagle Point, was reported by rangers to have been traveling too fast out of the park between Goodbye bridge and headquarters when it slid into a bank and overturned. Occupants righted the car and proceeded on their way without injury. The car was badly damaged on the left side. The accident occurred at 4:30 p. m.

Maximum temperature Sunday was 31, minimum this morning, 20. It was 26 degrees at 10 a. m. today. 45 inches of snow with one-half inch of new snow. The day was

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Clark Files Trust Count

WASHINGTON, Dec. 15 (AP)—Attorney General Clark today charged the United Shoe Machinery corporation of Boston with establishing a monopoly in production of machinery for making shoes.

Clark announced a civil anti-trust suit was filed this morning in the U. S. district court at Boston, under the Sherman Anti-Trust act.

A justice department statement said the suit seeks to compel the corporation to sell all its plants used in manufacture of shoe factory supplies and some of its plants manufacturing shoe machinery and tanning machinery and to offer to sell its machinery to shoe manufacturers instead of only leasing, as it does now, and to make available to its competitors all patents and know-how relating to shoe machinery.

The announcement said the company manufactures over 90 per cent of most of the important types of shoe machinery "and is the only company in this country which can completely equip a shoe factory with all necessary machinery."

The attorney general said the corporation's alleged monopoly "has destroyed the independence of the shoe industry of the United States."

Assistant Attorney General John R. Bennett, whose anti-trust division was instructed by Clark several months ago to concentrate on any evidence of monopolistic practices in the food, clothing and housing fields, said in a statement that United Shoe Machinery corporation "has acquired 4172 patents since 1930."

Physical standards for enlistment in the United States navy have been modified. Check the new standards at your local recruiting office.

Choral Group Slated For Rotary Club

Service Clubs Programs
Junior chamber of commerce, Monday 6:30 p. m., Winema hotel.
Lions club, Tuesday noon, Willard hotel.
20-30 club, Tuesday, 7 p. m., Willard hotel.
Soprano club, Thursday noon, Pelican cafe.
Rotary club, Friday noon, Willard hotel.

Guy Leonard, field representative for the U. S. chamber of commerce, will address the Lions club on Tuesday and the Kiwanis on Thursday. His subject for the Kiwanis will be "What of the Future?" Charles R. Stark, manager of the Klamath County chamber of commerce, will be chairman for the day.

Andy Loney, with outstanding musical students, will be guests of the Rotary club at the Friday luncheon to entertain with Christmas carols following the yearly custom at the last meeting before Christmas. Rotary Annals will also be guests at the meeting and Mrs. Charles A. Henderson will act as chairman for the day.

Final plans for the Christmas program will be made at the Jaycee dinner meeting tonight when awards to the membership drive will also be made.

Installation of newly-elected officers will be the main point of the 20-30 club meeting this week with party plans concluded for the event the date to be announced later. Bob Heidershott will preside.

The regular Christmas party will be held at the Pelican cafe when the Sopranos meet Thursday noon for gift exchange and special music. Kathleen Thompson will be chairman for the day.

Janitor Shot After Running Wild

SPOKANE, Dec. 15 (AP)—A 40-year-old janitor was shot and killed at the Porters and Walters club early today. Deputy Prosecutor E. C. Richardson said, after he had "run amok" and fired two shots wildly in the N. P. pool hall.

Richardson said Roy Howard, proprietor of the club, told him he shot the janitor, Walter A. Pepper, as he moved from the pool hall up the stairs to the club. Howard was not held, Richardson said, although he will be questioned further today.

Richardson said that as Pepper went up the stairs to the club someone shouted to the proprietor from below: "Look out, Roy, he has a gun."

A San Antonio, Texas, watchmaker developed what is said to be the only watch in the world to run backwards.

Files Suit



Mary Rivera Pareja, 22, (above), has filed suit in Los Angeles against Enrique Pareja, 34, Peruvian importer, asking \$311,500 and a decree of separate maintenance. She contends Pareja entered into an "agreement of marriage" with her but declined to follow with a marriage ceremony, although they once resided as man and wife.

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Five Perish In Flaming Cottage

STOCKTON, Calif., Dec. 15 (AP)—Five persons perished yesterday in a cottage fire with heat so intense neighbors could only stand aside and hear three crying children cry: "Mommy... Mommy!"
The dead were: Mrs. Earline Scott,

27; her daughters, Beverly Ann, 7; Glenda Marlene, 5, and Brenda Fay, 3; and Mrs. Scott's sister, Lamorne Mays, 14.

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