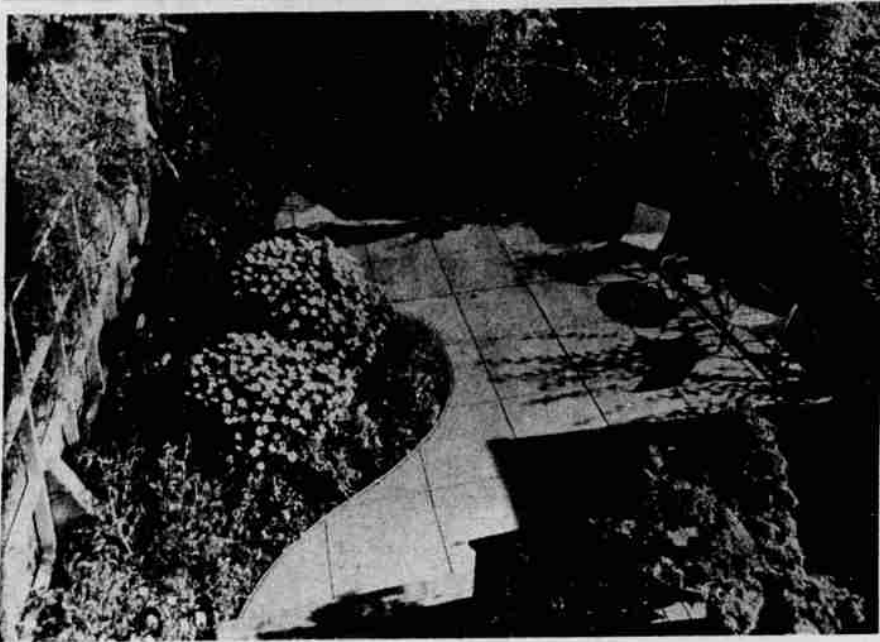




MOVING LINES OF THE CURVE gives the garden the illusion of more space than the static lines of the plain rectangle as this picture shows. With the plants neatly confined to certain areas, the terrace has become a place which the owners, their children and guests use constantly.

Use Of Sawmills' Residue Urged By Oregon Expert

OREGON STATE COLLEGE—Increased automation and increased use of sawmill residues are needed in the lumber industry to hold the price line with competing materials, according to John Grantham, managing director of the Oregon Forest Products Laboratory.

Grantham says installation of more automatic equipment in sawmills is necessary to increase man-hour productivity.

Automatic dogging, riderless carriages, remote networks for resaws and other similar equipment could replace men who have no important decisions to make. This would increase productivity of essential workers, he reported.

He called too for increased utilization of plant residues by expanding uses for slabs, edgings, trim, sawdust, shavings and bark. Use of mill residues as chips or fuel avoids a disposal cost and may spell the difference between profit and loss for the entire operation.

The forest products laboratory is financed largely by a timber-harvest tax. It is located on the Oregon State College campus.

By 1975, lumber prices are expected to increase about 80 per cent more than the anticipated increase in competitive products. Predictions of future lumber demand hinge largely on price. Grantham explained. A 1954 report forecasts only a seven or eight per cent increase in lumber consumption between now and 1975 despite an anticipated 64 per cent increase in disposable income of individuals and a 64 per cent increase in new housing starts.

Grantham said he doubted the anticipated increase of mill residue value will be sufficient during the next 10 to 20 years to offset cost increases in lumber manufacture.

Increased lumber costs will come from such "pressures" as higher stumpage costs and increased logging costs because of smaller volumes per acre, rougher terrain and greater hauling distances.

Milling costs will rise because of smaller logs. Pressure for higher prices will also come from increased labor and transportation costs.

Production costs can be reduced by diverting logs to those plants that can obtain the highest values or can most efficiently utilize the raw material. Grantham said. Greater volume recovery from each acre of forest land through prelogging or relogging has been accomplished in many instances, but the extent of these practices is too limited, Grantham said.

In a 60-mile area around Springfield, only a fraction of some 828,000 tons of chippable sawmill and veneer mill residues available each year are used.

Mill residues can be used for hardboard and particle board production, paper, and paperboard. Hardboard and particleboard production is expected to double by 1975, Grantham said. Sawdust is finding increased fa-

vor as a mulch for berries, ornamentals, and vegetables such as cabbage and tomatoes. Several studies are under way to treat sawdust before its application to overcome the temporary nitrogen depletion induced by the sawdust.

This treatment of sawdust would improve its characteristics as a soil conditioner. If pretreatment can be accomplished at a moderate cost, the potential market is vast, Grantham said.

Bark, now used only for fuel, offers a tremendous potential as a chemical raw material. Laboratory research has demonstrated that waxes, tannins, and flavonoids may be obtained from bark by solvent extraction.

If lumber prices are to hold the line in comparison with competing materials and give reasonable assurance of continued demand, attention must be given to every means of offsetting rising costs, he concluded.

KNEW SECRET

Centuries ago Indians dwelling along the Pacific shores in what is now the state of Washington, fashioned crude boards from ageless western red cedar to build their long houses. Many of those boards are still intact. Modern man uses the same wonderfully textured cedar for shingles, siding and other parts of the home exposed to weather, for this wood will last indefinitely, and has natural oils to preserve it.

House Water Freeze Warned

Are you planning to spend some time away from home this winter? If so, be sure to protect your plumbing system from freezing during your absence.

Ice formations within the plumbing system can rupture pipes, damage fixtures and run up costly repair bills, says the Plumbing Fixture Manufacturers Association.

An idle plumbing system is more

likely to freeze than one which is in constant use. So, before heading for warmer weather, take these precautions.

First, cut off the water supply at the street. This can be done by the city water authority. Next, be sure to turn off the water valve inside the house.

Then, open all faucets so that the water may drain from the pipes. At this point, it is wise to call the plumber. He will empty the water from toilet bowls and flush tanks besides draining the hot water heater and the furnace dehumidifying system if it is linked to the plumbing.

The plumber also may remove all water from the traps of sinks, lavatories and bathtubs and fill them with a non-freezing agent as an extra precaution.

If a pipe-freeze should occur in your home, there are several solutions. First, examine the pipe to see if it has cracked from the pressure of the expanding ice. If not, then soak some towels in hot water and apply them to the frozen pipe. Repeat until the ice block is dissolved. Also, you may melt the ice by pouring boiling water down the clogged drain.

Above all, don't use electrical appliances of any kind to remove the ice. Electricity, metal and water can be a highly dangerous combination.

The safest remedy of all is the plumber. He is the guardian of your plumbing system and knows how to keep your bathroom and kitchen fixtures operating efficiently.

Frame That '56 Gift Calendar

Having trouble finding a spot for your new calendar?

Here's a suggestion for dressing it up this year: Frame it!

Do it an easy way, however, by using a panel that's already handsomely decorated. Your lumber yard can furnish you with a Marlite panel in any of a number of pastel shades, wood grains or marble patterns, they're beautiful.

That's about all there is to it. Saw the Marlite to a rectangular shape to make a backing and marginal frame for a favorite calendar. Just fasten it with rubber cement. Either hang the calendar-plaque or lean it against a wall in the kitchen or on your desk. As the months pass, tear off a page in the usual manner.

SAWS EASILY

A regular carpentry saw is used for cutting Marlite paneling, a decorative hardboard, to size for necessary fitting in wall, ceiling and furniture applications.

Here is a simple way to finish a wall of west coast hemlock vertically grained panelling to get an antique effect. Rough sand first, then fine sand the boards with a 2-0 paper. Brush on thinned white primer and wipe off immediately. Dry 12 hours. Then sand with 6-0 paper. Brush or spray with clear varnish, rez or lacquer or one of the plastic coatings. Add extra coats, if desired. Rub last coat with steel wool. Green, blue, reds or yellows may be used instead of the white primer to get varied color effects.

Old Cedar Chest Can Be Rebuilt

A battered cedar chest can be given a new lease on life by covering the outside with Marlite plastic-finished paneling, a decorated hardboard available in plain colors, wood grains and marble patterns.

The paneling can be bonded to the cedar chest exterior with a wallboard adhesive. Moldings to match the Marlite may be provided for corners if desired.

For a final modernizing touch, replace the old legs of the chest with stock modern legs of wood or metal.

STRONGER

By putting sheathing lumber on a home frame diagonally, much greater strength is added to the home, according to the West Coast Lumbermen's Association. Popular Douglas fir and west coast hemlock sheathing lumber not only affords great strength in the frame of a home but provides a naturally-grown insulation because of the open cellular structure of wood.

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