

## Low-Cost Air Conditioning Possible in Any Old House

A family planning to install one or more room air conditioners should give serious thought to having their house properly insulated. Good insulation increases the effectiveness of the units and will help to keep operating costs lower and summer comfort high.

Contrary to what some owners of older homes may think, adequate insulation can be installed in their homes at reasonable cost and with little fuss.

Here's how a competent insulation contractor installs an effective barrier of mineral wool insulation between the living space of an existing house and the outside weather:

In exterior walls, a brick, shingle, or a section of siding is removed at intervals and holes are drilled into stud spaces. Insulation then is forced under air pressure through a pneumatic hose inserted into the holes. The workman seals the holes and replaces the facing material after the wall is filled with insulation.

In the attic area, the hose is brought in through a window or ventilating louver, and the area between the floor joists is filled



## A - Frame Equals Economy



(Western Pine Association)  
SHEATHING of the all-in-one roof and side walls serves as interior finish wall of cabin.

There's an epidemic of "vacation cabinitis" in the United States this year.

Symptoms of the disease are an itch to get-away-from-it-all, and an ache for the great outdoors.

Clinical research by the Western Pine Association has led to the release of a booklet, "Ideas for Vacationland Homes," which contains the designs of ten imaginative vacation cabins.

One of these, the "Engelmann Spruce" (named after one of the ten Western Pine region wood species), was recently built by a



(Western Pine Association)  
MATERIALS COST is less than \$1,000 for weather-proof A-frame vacation cabin featured by the Western Pine Association. Man-hours required to erect the home total 105. Average handyman and family could put entire home together in three or four weekends at any remote vacation site, and solid lumber is easily transported in a rented trailer.

family in northern Washington. The materials cost for the cabin is less than \$1,000, and it can be completed, thanks to a simple A-Frame design, in about 105 man-hours — either do-it-yourself or with professional help.

The following steps comprise the simple construction process. A concrete block foundation is set on level ground. 4" x 10" Douglass Fir or Larch beams are set in place, and 4" x 4" joists are spaced 4' apart upon the beams. A floor of 2" tongue and groove Fir or Larch decking is then nailed to the joists.

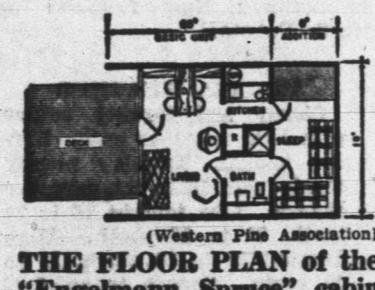
Next, the seven A-Frame beams are bolted and raised into position, as are the front and rear walls. The sheathing of the all-in-one roof and side walls goes on next, followed by building paper and finally, Cedar lap siding. Finishing is all that remains.

The very simplicity of the "Engelmann Spruce" design provides a sleek contemporary look, inside and out. And the all-in-one roof and walls prevent precipitation problems.

A wall of windows facing the partially overhanging deck, plus ample rear windows, admit much light and air into the cabin.

The interior, though compact, is far from crowded. In fact, the open plan fosters a free flow of activity from front living area, through middle service area, to rear sleeping quarters.

And up a sturdy ladder lies a sizeable, window-lighted loft for additional sleeping and/or storage. Copies of the Western Pine Association booklet may be obtained from local lumber dealers, or by sending name, address and 10c for handling, to Western Pine Association, Dept. MC 13, Yonc Bldg., Portland 4, Oregon.



(Western Pine Association)  
THE FLOOR PLAN of the "Engelmann Spruce" cabin shows how this compact design can be built in two stages — a basic unit 20' x 18' and additional sleeping room 8' x 18'.



(Western Pine Association)  
CONCRETE BLOCKS serve as foundation for cabin. 4" x 10" joists are spaced 4' apart on 4" x 10" Fir or Larch beams.



(Western Pine Association)  
THE "A's" HAVE IT, when it comes to the simple framing of the Western Pine Association "Engelmann Spruce" cabin, and the simple framing means construction man-hours saved. Add economical (about \$1,000) materials cost and the result is a vacation home well within average financial reach.

### Space Age Marvel Keeps All Foods At Flavor Peak

Jellied desserts like this hold their shape and flavor in a new electric refrigerator-freezer. There's plenty of room for such special dishes prepared in ad-

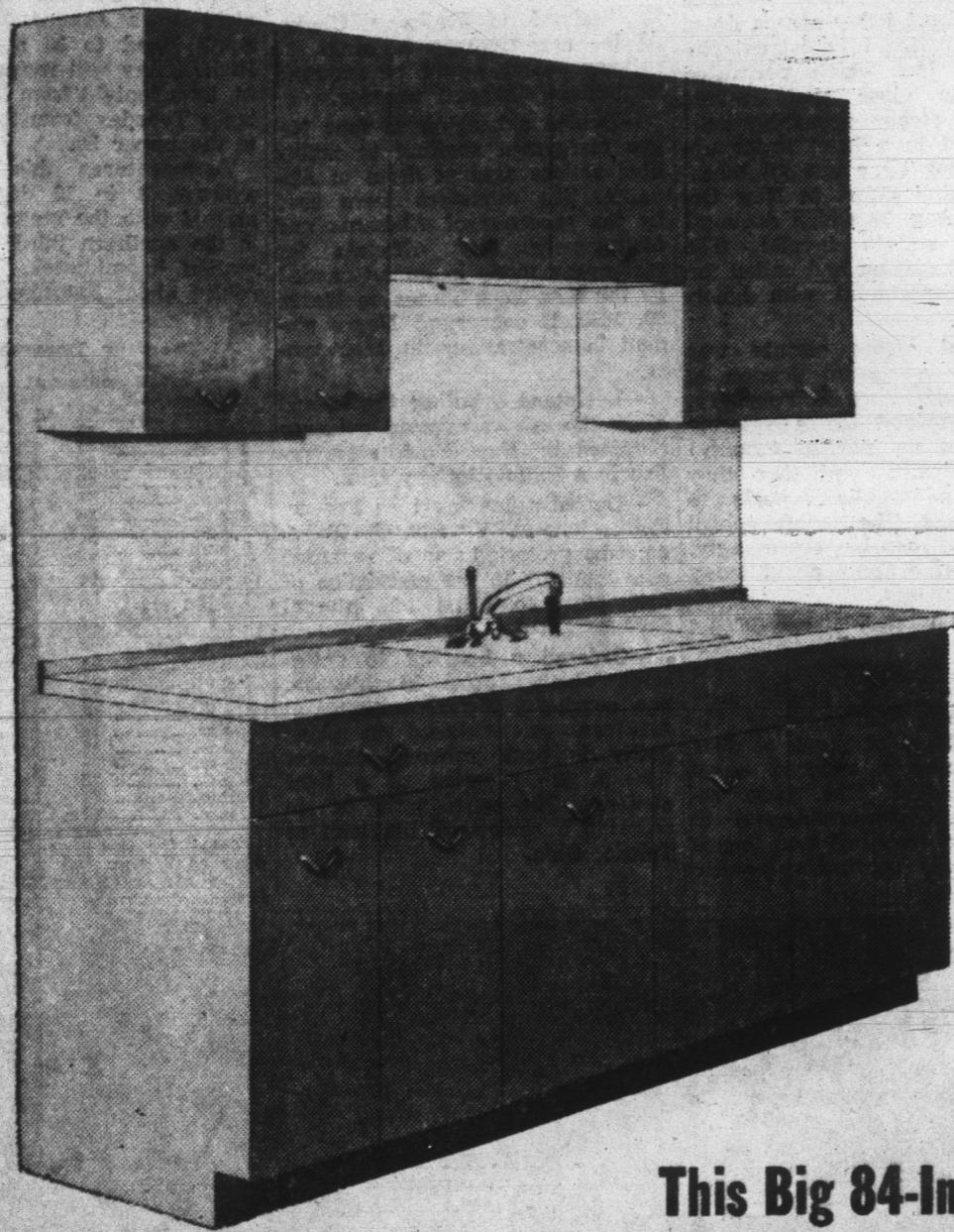
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### It's Easy As Pie To Freeze Crusts

It's as easy as pie and at least twice as fast to make pie crusts in quantity and freeze them in a modern electric freezer or refrigerator-freezer for ready use in the future.

Make a pastry "bank" by mixing and rolling out multiples of your pie crust recipe. Then stack the sheets on a cookie sheet or cardboard, separating the layers with a double thickness of cellophane or waxed paper. Wrap the stack in plastic film or foil and close the package with small clothespins.

Another method is to shape the dough into pie pans and stack them, with cellophane or waxed paper separations. Place an empty pie pan on top and wrap the stack for the freezer.

A third way is to bake pie shells, then freeze them. Wrap each shell separately in polyethylene or foil.

Before using flat sheets of frozen pastry, thaw them for 10 to 15 minutes. Pie crusts frozen by either of the last two methods can be baked without thawing, if desired.



### Refrigerator-Freezer Keeps Health Handy

A generous supply of ice cream, sherbet, and concentrated juices in the freezer section of your electric refrigerator-freezer guarantees easy, nutritious treats for the youngsters.

Here's one quick recipe for a "healthful" "filler-upper" for four hungry children:

Reconstitute one six-ounce can of frozen orange juice and pour into four glasses. Add a scoop of raspberry sherbet to each glass and stir until sherbet is partially melted. Be prepared to serve seconds.

### Easy To Wash Wood Windows

You no longer have to be a combination daredevil and drudge to wash windows. Many modern wood windows can be washed completely from the inside of the house.

Some windows of ponderosa pine lift right out of their frames and can be carried to the kitchen for washing. Others swing out, in or around so the outsides can be washed from indoors.

Even the many-paned wood win-

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### Becomes Built-In Later

## 'Convertible' Dishwasher Goes to Work As Portable

Today's convertible automatic dishwashers are solving a problem for thousands of families who:

1. Rent apartments or houses but plan to buy their own homes.
2. Own their homes but are thinking of moving into a new one or of modernizing their present kitchens.

Judith O'Flaherty, home service director for electric utility companies says the convertible dishwasher is ideal for these families because it is designed to go right to work as a portable but can be converted to a built-in when the need arises.

"A model of this type is designed to fit into the space occupied by a standard kitchen



This convertible-type dishwasher, now being used as a portable, can be built in permanently when a family remodels a house or moves into a new home.

into a corner, a feature that makes it ideal for small kitchens. Many models have hardwood chopping block top that add kitchen work space.

When the time arrives to install the dishwasher as a built-in, color conversion kits can be obtained that make it harmonize with any new decor," Miss O'Flaherty says. "On some models, panels with matching wood-grain finishes may be substituted."

Here are a few of the reasons electric dishwasher heads the "most wanted" list of so many homeowners:

1. It cleans and sanitizes all the tableware in a way that washing never can, thanks to the combination of hotter water and special detergents.
2. Hand pre-rinsing is eliminated. Dishes need only a quick brush off.
3. Pots and pans often can be washed along with china and glassware.
4. Today's electric dishwashers can handle an entire day's dishes. When not in use, it rolls easily for the average family.

doors that look so attractive with Colonial architecture are easy to wash today. Rectangular or diamond patterned grilles snap out for window washing, eliminating the tedious job of washing and polishing the corners of many tiny panes.

No matter what style of easy-to-wash windows of ponderosa pine you choose — casement, sliding, awning, or double-hung — you can find them at your local building material dealer's, sturdy built, treated to withstand weather and ready to install.

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