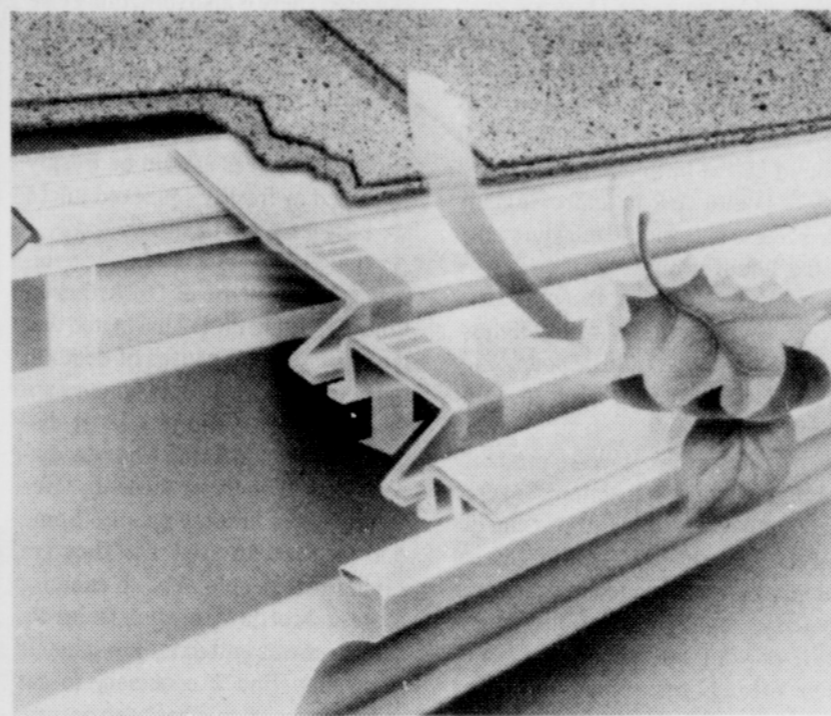


HOUSING

The
Portland
Observer

Keep Gutters Debris-Free With Novel Gutter Guard



Cleaning gutters is a chore that most of us would like to avoid. But allowing your gutters and downspouts to clog with leaves and other debris can result in sagging gutters, rotting fascia boards, or worse, clogged foundation drain tiles that cause cracks in basement walls and allow moisture to seep into your home.

A new product, developed by Crane Plastics, Inc., practically eliminates the need for frequent gutter cleaning. The PermaFlow™ Gutter Guard System doesn't use standard mesh screens or plastic domes. They are only partially effective because leaves and debris merely collect on top, which means you still need to clean your gutters. Instead, PermaFlow uses the scientific principle of liquid adhesion.

As rainwater flows off the roof and over the downward steps of the PermaFlow gutter guard, the natural surface tension of the water causes it to follow the surface contour into water-carrying channels and through

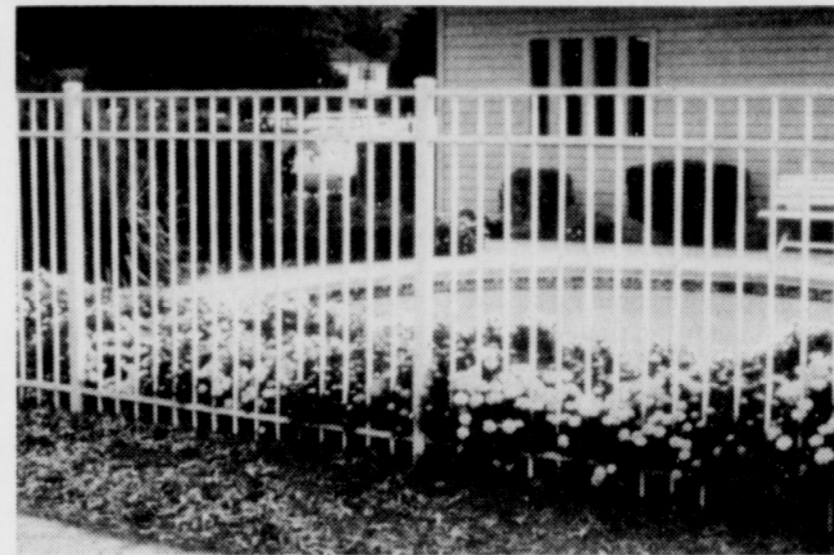
drainholes into the gutter. At the same time, the leaf, needle, seedling, and twig debris falls over the downward steps of the gutter guard, onto the ground below.

When tested on typical homes in all kinds of rain conditions, PermaFlow eliminated clogging, while maintaining the water flow into the gutter. The PermaFlow gutter guard is made of tough, rigid polyvinyl chloride (PVC), the same material used in vinyl siding.

Installation is simple. Standard three-foot lengths can be cut with a hack saw or circular saw. A flat tab tucks neatly under shingles and a flexible joint conforms to any gutter or roof pitch. The gutter guard snaps onto the edge of the gutter for a snug fit that even stands up to high winds.

The system is available from many do-it-yourself retailers. For more information, or the name of your nearest supplier, contact Crane Plastics, Inc. at 800 420 7246.

Aluminum Fences Protect And Complement Home



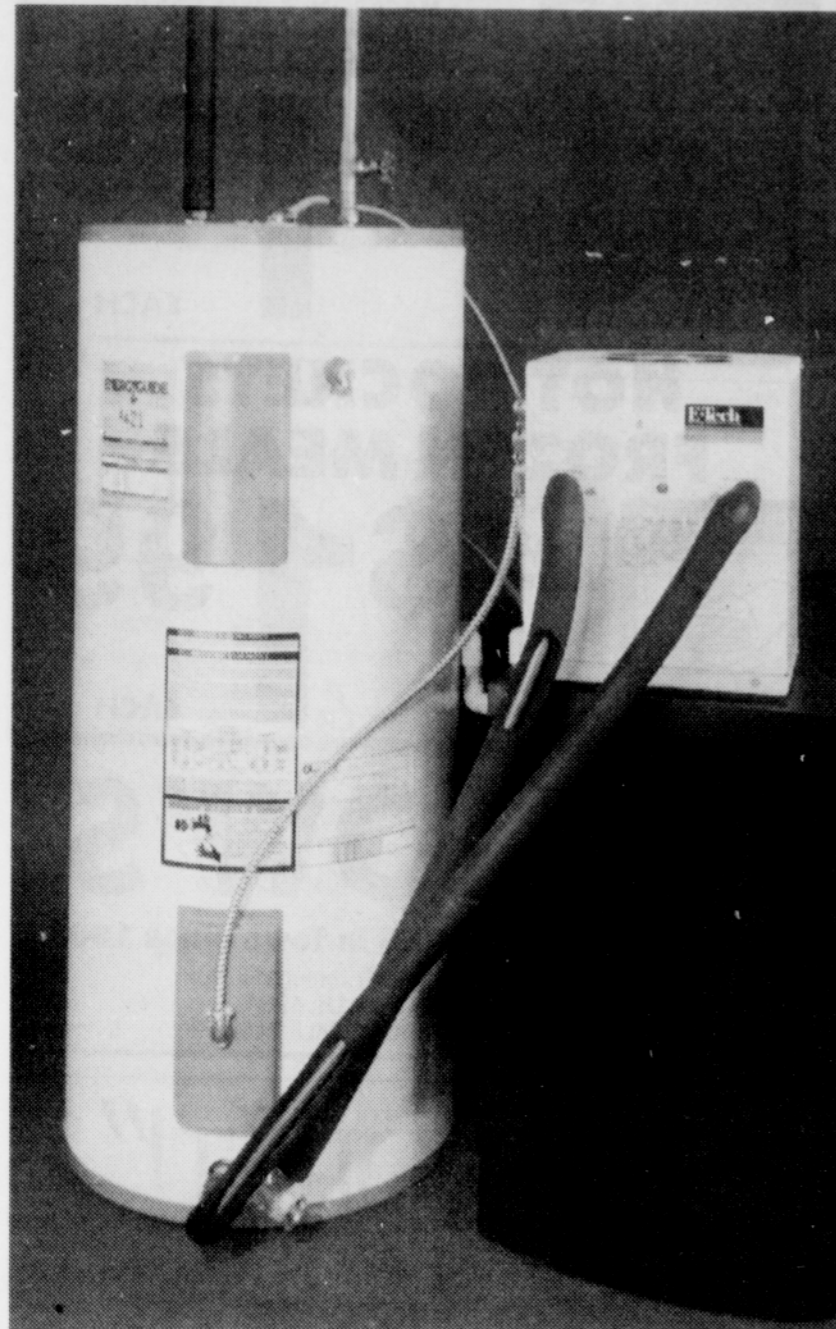
This aluminum ornamental fence has a long life and has a distinctive appearance that complements any home. Jerith fences give the attractiveness and protection of traditional wrought iron fencing, but eliminate the continuous maintenance. Jerith fences are available in a style and color that will add value and prestige to any property.

Jerith fences are constructed of a high-strength aluminum alloy that will never rust or corrode, even where climatic conditions create a humidity problem for wrought iron fences. The durable powder-coated finish in the color of your choice is guaranteed not to crack, chip or peel for as long as you

own the fence. Jerith's coating is twice the thickness and hardness of the usual baked enamel finish making it more durable, fade resistant and scratch resistant, plus it's environmentally safe.

Forty years of production experience has made Jerith fencing beyond comparison wherever elegant long-lasting protection is demanded. Every post cap, rail, and latch is imprinted with the Jerith name for your protection and assurance of quality.

For a free color brochure displaying Jerith's full line of maintenance-free aluminum fences, write to Jerith Manufacturing Company, Dept. HTO5, 3901 G Street, Philadelphia, PA 19124.



The E Tech heat pump water heater cuts your water heating costs. This is one of many installation options you can choose.

Hot water for taking a shower, doing the dishes, and washing hands. It's something just about everyone takes for granted. But thanks to American ingenuity, you now have a reason to take notice of your water heater, according to the Edison Electric Institute, and the National Rural Electric Cooperative Association, two national associations of electric utilities.

A totally new method for heating water comes from the Crispire Company of Georgia. Their heat pump water heater, the E Tech, uses electricity in a completely different way to heat water. Instead of creating heat, like every other water heater must do today, the E Tech transfers existing heat from the air. It can move heat from the basement, the attic, or even outdoors, and transfer it to your water heater storage tank.

It takes less energy to transfer heat than it does to create it. As a result, the heat pump water heater can help lower your energy costs. Your savings can add up, since water heating accounts for about 15 percent of your monthly energy bill. Besides lower energy costs, the E Tech supplies free air conditioning as a by-product of transferring heat. You'll get the equivalent air conditioning of a window-size air conditioner. This can help keep your

basement air drier.

"The E Tech heat pump water heater represents a major advancement on all fronts," said Tom Farkas, residential program manager for the Edison Electric Institute. "The unit is small and lightweight (it can fit on top of the water heater tank). This means you can order it through the mail, and if you're handy, you can install it yourself."

Operating costs are comparable to, and in some cases substantially lower than, gas water heating units. And remember the free air conditioning and dehumidification you get too.

The E Tech offers a very attractive payback period compared with resistance water heaters. The payback period is the length of time it takes for the energy savings to pay you back the higher purchase price. The E Tech's payback period is typically 2- to 6-years, based on how much hot water your home uses. The more you use it, the shorter the payback.

For more pricing and information about the E Tech, please call 404 458 6643. If you want more information about using electricity efficiently in your home, call your electric utility's residential marketing department.

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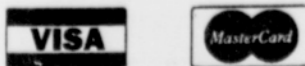
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