

Used laundry and bath water enters gray water reservoir via pipe A. When toilet is flushed, pump on top of reservoir starts and pumps gray water via pipe B to refill toilet tank. Water line leading to water heater (C) coils around inside of reservoir to make use of free heat contained in warm gray water.

USE IT TO FLUSH TOILETS

Make Wash Water Do Double Duty

Ever thought about making waste wash and bath water do double duty by using it — instead of fresh water — to flush toilets?

"You'll get by on about 50% less household water than you're now using," promises South Dakotan Paul Redfield, of Madison, who has developed an amazingly simple system for recycling gray water (waste bathtub and laundry water) which has been successfully proven in the Redfield family's country home.

Here's how it works:

Waste wash water is pumped, via the built-in water pump in the wash machine, to a 55 gal. plastic "gray water" tank. Gray water from the upstairs bath also drains, via gravity, into this tank.

Mounted on top the tank is a small (1/20 hp) magnetic drive pump made by Gorman-Rupp. Pushing the "flush" handle on the toilet activates the pump's pressure-activated switch. It kicks in to pump the toilet tank full of gray water, then automatically shuts off again until the next flush.

The gray water storage tank is equipped with an overflow so, if full, overflow gray water automatically bypasses the tank and goes into the regular septic or drain system.

If there isn't enough gray water in the storage tank to keep the toilet flushed — such as when there's lots of company present — a built-in float automatically lets in however much fresh water is needed to meet the demand for toilet flushing.

Each time a flush occurs, water inside the gray water tank is automatically circulated and stirred up (via a suction line which extends almost to the bottom) to prevent any buildup of sediment. A filter in the "gray water" line leading to the storage tank removes lint, dirt and other debris.

In addition to saving water, Paul's Resource Recovery System also helps reduce the cost of heating water. He

diverted the water line leading to his water heater so it coils around inside the gray water tank. Any heat contained in warm wash and bath water coming into the tank is "exchanged" to help preheat cold fresh water before it gets to the water heater.

Paul estimates that his Resource Recovery System, which is designed to meet standard codes, could be installed in most existing farm or city homes for less than \$300, including both parts and labor. He welcomes the opportunity to demonstrate it to interested visitors.

Contact: FARM SHOW Followup, Paul Redfield, P.O. Box 50, Rt. 2, Madison, S. Dak. 57042 (ph 605 256-3431).

KEEPS YOUR HANDS FREE FOR SOAP!

Shower Back Scrubber Mounts On The Wall

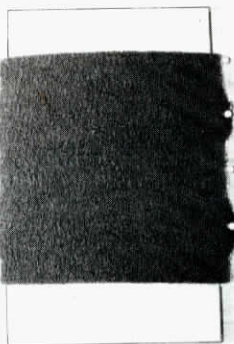
"It's just the thing for scrubbing those hard-to-reach spots on your back while taking a shower," says Emil Schwartzwalter, Tower City, N. Dak., inventor of a new wall-mounted back scrubber.

The scrubber's 12 by 18-in. frame mounts on the shower wall using self-adhesive tape. You then attach the removeable 12 by 12-in. "lifetime" scrub brush at the right height for your back. It can be repositioned for other family members.

To scrub your back, you simply wet the brush, lather it with soap and then rub your back against it.

Sells for \$17.00.

For more information, contact: FARM SHOW Followup, Schwartzwalter's, Box 222, Tower City, N. Dak., 58071 (ph 701 749-2694).



You simply rub your back against the wall-mounted brush.

New Products Especially For Women And The Farm, Ranch Home.

DISHES OUT PRE-SET DAILY DOSES WHILE YOU'RE AWAY ON VACATION

Automatic Pet Feeder

You're going to like this new pet feeder designed to automatically dish out food to cats or dogs for 3 to 4 weeks unattended.

Grant Sanstrom, president of Overland Carrier, Inc., Parker, Wash., says his new "Feed-A-Meal" pet feeder feeds pets automatically when you're on vacation, and helps prevent overfeeding when you're at home.

"Veterinarians agree that all pets will overeat if given the chance. The Feed-A-Meal dishes out pre-set daily portions of dry pet food at the same time every day, keeping animals on a



New feeder doesn't let pets overeat.

regular, healthy schedule," says Sanstrom.

The feeder uses an electric motor hooked to a timer to drive a set of plastic paddles. You can adjust the amount of feed from 8 to 16 oz. per feeding and feed once or several times per day. The standard model for large dogs holds 5 lbs. of dry food. The volume is increased by adding extra extension hoppers that each hold 12 lbs. of feed. The feeder could be expanded indefinitely, or connected up to a larger feed bin. An indicator light on the unit tells when it's low on feed and must be refilled.

The entire feeder is made from moisture-resistant plastic and sells for \$89.95. Additional hoppers are available for \$14.95. A second model for cats, or small dogs, that feeds out from 2 to 6 oz. of food per feeding also sells for \$89.95.

For more information, contact: FARM SHOW Followup, Portion Control Feeders, Overland Carrier, Inc., P.O. Box 138, Parker, Wash. 98939 (ph 509 877-3688).