

New Silent Cleaner Eliminates Dirt

It won't be long until most homes will have ultrasonic cleaning aids.

Tomorrow's housewife will be removing rust and corrosion, putting metal bright in short order, and eliminating dirt from sautéing, metal work, china figurines and potato peelers the sound way.

We can expect ultrasonic kitchen sinks in which to clean utensils such as badly discolored pots and pans, especially those to which burned food has stuck and that otherwise would have to be tediously scoured with steel wool.

It won't be long before there will be an ultrasonic machine for floor care that will do a better job of cleaning linoleum and carpets. Ultrasonic will be applied to the rotor blades of an electric shaver and ultrasonic toothbrushes may soon have sound waves removing the drudgery of live and denture tooth brushing.

Even an ultrasonic carving knife could be made with a single more effective blade instead of two as the present electric carving knives have. The possibilities appear endless, and we can depend upon an unlimited supply of the raw material for the ultrasonic waves to work out.

ULTRASOUND is the name of sound you can't hear. It vibrates at speeds above the range of human hearing — 20,000 cycles per second and up. Ultrasonic can be applied in the form of ultrasonic energy. When this energy is transmitted through a cleaning fluid, it produces an effect called "cavitation," and tiny bubbles form and collapse with great rapidity on the surface of any object that is placed in the fluid. This creates a powerful abrasive action like millions of microscopic brushes.

Ultrasonic scouring can penetrate inaccessible crevices and corners and will remove such notoriously stubborn stains as lipstick on drinking glasses. It removes deeply-logged soil from surfaces and crevices that appear to the naked eye to be clean.

Ultrasonic is being used by many hospitals today for cleaning surgical instruments. These instruments can't be lubricated. The oil might trap bacteria and not be penetrated by steam when the instrument is sterilized. But fine instruments, if they are kept clean, almost never need lubrication.

ONE OF THE BIG problems with modern building maintenance are the fluorescent light fixtures and the grilles which diffuse the light. Ordinarily it's very difficult to clean these but ultrasound penetrates every nook and corner of them scouring the fixture clean in very short order. The time-cost is five to 20 seconds compared with 15 to 20 minutes.

Because of ultrasound's remarkable ability to dislodge stubbornly caked soil, it is used to clean the valves and filter tubes that are used in breweries and soft drink bottling plants where crystallized sugars, proteins, carbohydrates, and other hard deposits build up in the pipes. Thus they can be cleaned right in their working position, or the entire sub-assemblies can be immersed in an ultrasonic cleaning tank for two to three minutes, rinsed with hot water. They emerge sparkling.

Jewelry has been using ultrasonic cleaning with some enthusiasm since they found it could remove residues of jewelry rouge. Ultrasonic cleaning tanks accept rings and pems, remove the dirt from their hard-to-reach crevices and send them forth glitteringly new.

Even a three-fold screen forms an airy delicate background for a gilded, jewel-encrusted paper mache Madonna from Mexico.

The background screen is very effective, but is simple to make. It is fashioned of wire-mesh hardware cloth with a free design stenciled with green and blue yarn onto the center panel. Bright beads make the tree ornaments. A star of gold colored yarn is stenciled onto each side panel. The wire mesh can be left its original silver color or it can be sprayed with gold paint.

Evergreen branches and small glittery Christmas tree ornaments are arranged around the base of the Madonna.

When stitching plastic on the sewing machine, you have better luck if you use mercerized thread and sew with a long stitch and fine needle. Don't use nylon thread.

When knitting both sleeves at the same time on the same needle, use two balls of yarn instead of one. Knit one sleeve with the end pulled out of the center of the ball of yarn and the other with the yarn that ends on the outside of the ball.

Knitter Trick



Screen Dramatizes Madonna Figure

In this dramatic Christmas arrangement, a three-fold screen forms an airy delicate background for a gilded, jewel-encrusted paper mache Madonna from Mexico.

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Don't Just Pick Wax With Brightest Label

For many housewives, picking out a floor wax is like walking through a jungle without a guide. There are so many claims and counterclaims, so many waxes to choose from, that it is easy to get lost in a maze of confusion.

The important thing to avoid is giving up in despair and picking the wax with the brightest label or the lowest price. Waxes are different.

Some are designed for wood floors, others for resilient floors. Some emphasize convenience, others put a premium on performance. A little common sense, plus a basic understanding of what makes waxes different, can help you select the right wax for your floors.

THERE are two basic groups of waxes: those that are solvent-based and those that are water-based.

Solvent-based waxes (both liquid and paste varieties) are designed primarily for wood and cork floors. They can be identified by a naptha or cleaning fluid odor if the product is not lemon scented.

These waxes are harmful to some resilient floors and, in the case of asphalt and non-colorfast rubber tile, can actually ruin the floor. With the exception of vinyl cork tile, therefore, solvent waxes should not be used on resilient flooring.

THE SECOND GROUP water-based waxes, can be broken down into three categories: buffable, self-polishing, and clean-and-polish products. All waxes in these categories are intended for resilient floors. They do differ, however, in the way they should be used and the results they give.

Buffable, water-based waxes

are designed for floors that have first been washed, rinsed, and allowed to dry. While buffable waxes do leave some shine upon drying, they depend on buffing to bring out the full gloss.

For those who own electric floor polishers, waxes in this category give excellent service in heavy traffic areas. Most homeowners do not own such equipment, however, and prefer the labor-saving convenience of self-polishing waxes.

Like buffable waxes, self-polishing, water-based waxes should be used on floors that have first been washed, rinsed, and allowed to dry. Although some self-polishing waxes can be touched up by buffing, most are non-buffable.

Self-polishing waxes are easy to apply and dry to a tough, hard, protective film. They are by far the most popular wax for resilient flooring.

Garden Center Schedules Workshops

The following subjects will be discussed at the noon workshops held each Monday at the Detroit Garden Center:

- Jan. 6 Garden soils and fertilizers
 - Jan. 13 Landscape design
 - Jan. 20 Insect control in and around the home
 - Jan. 27 Insecticides ... what to use and how to use it
 - Feb. 3 Fungicides ... which are which and how to use them
 - Feb. 10 Annuals ... what's new and how to grow them
 - Feb. 17 Perennials ... their use and cultural practices
 - Feb. 24 Care of tree fruits ... stone and pome
 - March 3 Care of small fruits ... strawberries, raspberries
 - March 10 Vegetables ... starting them indoors
 - March 17 Shade trees ... some new selections
 - March 24 Preparing the lawn and garden for spring
 - March 31 Spring lawn care ... quick green-up
- All programs, open to the public, are held at the Detroit Garden Center located at 133 E. Grand River, downtown. The programs begin at 12 noon. Bring a sandwich. Coffee and tea will be provided at the center.

The Handyman

Q. We have a cigarette burn on our cut wall coffee table. How can I remove it?

A. Rub it with steel wool dipped in boiled linseed oil.

Q. What is the formula for a beeswax finish for pine furniture?

A. Melt the beeswax in the top of a double boiler and add

about one-quarter part of turpentine. When cold, apply it to the furniture with a soft cloth.

Q. We bought an old oak table that is very rough and badly marked on the surface. It will need a lot of sanding; would that damage the grain?

A. No, not if it is sanded oak.

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BATHROOM PANELING 4 x 8	\$8.95	SHOWER DOOR 5' x 7' Tub	\$10.95

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