



**THE ILLUSTRATION** at the left shows a heater vented directly through the wall. The circled inset shows the installation, including its windproof and stormproof vent as it appears outside the house. The cross section view at the right shows how combustion takes place within a sealed chamber. Air for combustion is drawn from outdoors and waste gases are discharged outdoors. Contents of the chamber cannot mix with room air, which is heated as it circulates past the jacket of the sealed chamber.

## ON THE HOUSE

A problem often arising in the wake of home remodeling jobs is how to heat built-on rooms, or porches and breezeways which have been converted into living areas.

Major changes in heating installations can be expensive. A more economical way can be found in gas heaters that are vented directly through a wall.

They do not require vent pipes or chimneys. Venting is achieved through a built-in duct which projects directly through the wall behind the heater. The duct is not visible from inside the room and is inconspicuous on the outside wall.

Because no chimney is required, the installation is simple and often can be completed in three hours or less. The job requires an extension of the gas line connection, the cutting of a small hole through the wall structure and, in some cases, the cutting out of a section of the inside wall.

Combustion takes place inside a sealed chamber. The built-in venting duct draws in air for combustion directly from outdoors and expels waste gases through a second, separate duct. Room air is not used for combustion.

Room air is drawn through the lower part of the heater, warmed, and then flows out into the dwelling area through the upper portion of the heater. Some models use an electric-powered circulating fan but this is an optional accessory.

Models now being manufactured include a power-vented heater that can be used in windows as well as in walls. Where electricity is required for power models, 115-volt house current is sufficient and no special wiring is required.

The heaters can be installed at any floor level and in any type of wall. Models are available for utility gas as well as for liquefied petroleum gas in input ca-

pacities varying from 14,000 to 45,000 b.t.u.'s units. They are equipped with either manual or thermostatic controls.

### Burglar Proof Lock Works Fine

CHICAGO (AP) — James Wright, part owner of a lock and latch firm, figures he got quite a testimonial for his "burglar proof" lock from some gents who ought to know a good one when they see it.

Burglars had to smash down the door of his establishment because the "burglar proof" lock on the back door wouldn't give.

What did the burglars steal? Exactly 75¢ of the locks.

Confucius, founder of the Confucian religion, was born in China in 551 B.C.



**TYPICAL OF THE TREND** in home furnishings, as reflected by the winter Home Furnishings Market in Chicago, is the room setting shown above. The sofa in blue nylon stripe and the chair in white nylon are deep and comfortable. The table, which will serve for dining or games, has a pedestal base and a brass-banded plastic top. The honey-combed golden balls are lighting fixtures.

### Furniture Trade Goes All-Out To Woo Modern Homemakers

If you approach the purchase of new furniture with nervous indecision and the conviction that whatever you pick will be a mistake, take heart.

It's going to be very difficult to make a mistake this spring, judging from the new collections shown at the Winter Home Furnishings Market in Chicago.

To encourage us to loosen the purse strings, manufacturers are competing briskly for business with all the lures they can muster: top-notch designers, fine woods, quality production, rich fabrics, comfortable upholstery, practical styling.

To encourage buyers further is the evidence in many showrooms that fine, tasteful furniture can be yours whether you spend a little or a lot.

Stiff competition has worked to hold prices down although profit margins are slim. The reward to the homemaker is that she'll be able to find exceptionally good buys in the medium and moderate price ranges.

In chests, cabinets and tables, surface interest in decorative contrasts continues strong. This is achieved with use of contrasting woods, metal or wood inlays, bandings, marquetry or parquetry with soft finishes worked close to the grain.

Where styling is influenced by traditional designs, carving, scoring and grooving will be applied to legs and aprons but those markings are simpler than they were heretofore.

Walnut is still high in popularity and is shown in medium to sable-brown finishes. Cherry, mahogany,

birch, pine, maple and elm are also used. More exotic woods such as teak and ebony show up in inlays and parquetry. Metal accents include brass, pewter, aluminum and stainless steel.

Dining tables promise greater usefulness, thanks to ingenious designs and improvements in extension glides.

Small, circular tables—44 or 45 inches in diameter—extend to seat a crowd. One type pulls out to 110 inches, but takes up little space when not needed. Another table doubles as a desk, and a narrow, drop-leaf table with an anodized aluminum frame and a printed plastic top is both sophisticated in appearance and practical.

Storage pieces are receiving extra attention from designers. A variety of cabinets for housing hi-fi sets in living room elegance appeared in the market.

Bedroom blanket chests in modern designs are back. Other chests have been taken off high legs and a couple extra drawers have been added, to supply extra storage and the solid look many new chests have.

Additions of new stacking units to older, correlated chest and cabinet collections turns them into storage walls as large as you want to make them.

Upholstered sofas and chairs play up comfort without sloppiness by use of deep seats, trim lines, loose pillow backs and well-padded but disciplined curves.

Fabrics will have the right look, but they'll have practical qualities, too.

Many, for example, will be nylon or nylon blends.



**IT MAY SEEM INCREDIBLE** but it is true: homemakers have been known to dunk electrical appliances, as shown in the picture at right, when they need cleaning. The correct way, at left, is to wipe them off, by using a damp cloth only when absolutely necessary. Always disconnect appliance before cleaning it.

### Electrical Appliances Require Some Care And Maintenance

The handy man would be wise to enlist the homemaker's aid in keeping the home's electrical system up to snuff.

More and more, her daily routine is lightened by application of electrical devices to numerous tasks. She's in an ideal position to spot potential trouble.

Here are some things she can do:

She can read, heed and save instructions for all electrical appliances.

Call for first aid from the handy man in giving periodic cleaning and oiling to mixers, sweepers and other motor-driven devices. A check list for such equipment

might be a prudent memory-jogging device.

Learn to make a habit of looking over extension cords, appliance plugs and lamp connections for signs of wear.

Report indications that all is not well with the electrical system. Those include: TV pictures that shrink in size, toasters that take too long to toast, other appliances which do not heat or operate with efficiency. All such occurrences indicate that circuits are overloaded; a check of wattage loads is indicated.

The homemaker should learn to care for appliances properly. For

example: it sounds incredible, but women have been known to dunk toasters in sudsy water to clean them.

Proper procedure is to wipe them off with a dry cloth; a damp cloth, well wrung out, should be used only when absolutely necessary.

The homemaker should be cautioned to unplug any appliance before performing any maintenance operation on it.

When trouble develops, first thing for the homemaker to do is to shut off the power or disconnect the appliance. If the handy man isn't home and use of the device is urgently required, as in the case of a refrigerator, her next move should be to make a call to the power company.

Selling current is their business, and prompt, correct advice will be given to speed return of the unit to service.

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