

On The House

By DAVID G. BAREUTHER

One of the ironies of life for the householder is that in the midst of summer heat he is obliged to do some thinking about his heating plant.

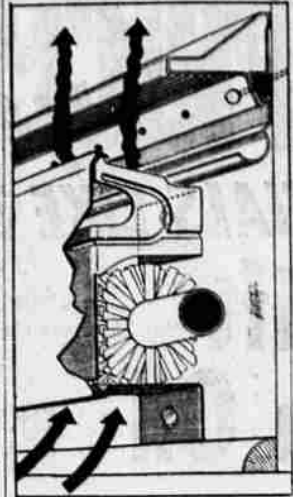
If he failed to clean it out in the spring, take down the smoke pipe, and so on, he knows that the condensation now causing the cold water pipes to sweat and drip, is going to rust and eat away a lot of expensive metal work.

And about the only time you have for installing a new heating plant without frigid discomfort is in the good old summer time.

But there are so many new fangled heating systems on the market these days—radiant floors, radiant walls, radiant ceilings, air-conditioning, light fixtures that blow gentle warmth into rooms, electric heat pumps and what not—that a choice seems to be as confusing as trying to figure out a racing form.

To weigh the advantages and disadvantages of every type of heating system is a tough job. Taking a lot of short cuts, you can say that circulating warm air is fine because you can filter it and

humidify it to suit, and the ducts are there when, as and if you can afford air cooling. But of course, with thermostat control you have



CROSS SECTION of a baseboard heating unit, showing how cool air from floor passes through aluminum fins around copper hot water pipe and emerges as warm air under an overhang.

the heat coming on and going off periodically. And radiant heat of any type is fine, because theoretically its rays heat you more than they heat the air you breathe. But how can you control or regulate humidity?

Granted, we soak our houses in too much moisture most of the time, but excessive dryness can be annoying, too.

That's one of the problems in steam-heated buildings. Steam is highly efficient in sealed vapor-vacuum systems. But it's either hot as blazes or not there at all. And it's common for apartment dwellers to hang pans of water behind radiators to keep the dry air from arching their nostrils.

Hot water, however, is one of the most popular and flexible of all radiant heating mediums. It's used widely in hospitals, for example. The Plumbing and Heating Industries Bureau says the temperature of water in such systems can range from a low of 80 degrees in mild weather to a high of 215 in rugged periods.

Of course, you still have your own humidity problem to solve artificially, if necessary, but average family bathing, cooking, and laundry, household plants and basins of water usually take care of that. And one advantage is that the same boiler that heats the house can supply hot water for kitchen and bathroom—except in the summer.

Heat from a hot-water boiler can be distributed through radiators, convectors (thin-fin types of air warmers), panels, radiant floor or ceiling coils, or by radiant baseboards.

This brings up one of the most interesting of modern heating methods. Instead of having wooden baseboards around a room, with radiators principally under windows to break the chill, metal baseboards circulate hot water around the room. This is designed to take the chill off the floor, radiate heat from all directions and allow it to rise naturally through the room.

There are two main types of radiant baseboards—a solid painted cast-iron type that relies on radiation, and a slotted type that combines radiation with convection (the heating engineers' description

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of naturally circulating warmer air in a room).

More than 24 manufacturers make them. The Burnham Boiler Co. was one of the pioneers in cast-iron baseboards and Warren Webster & Co. developed copper and aluminum convectors behind sheet metal enclosures. This Webster type is about 8 inches high and 2 inches thick. It draws the cool air off the floor, warms it and sends it upward from under a narrow overhang.

The cost of installing radiant baseboards varies with room sizes and heat losses of structures as well as with the type of baseboard. Heating contractors generally quote \$5 to \$6.50 per linear foot, depending on the amount of remodeling involved and radiation needed.

Decorators and housewives are quick to appreciate the advantages of these baseboard systems because of the freedom of space afforded for furniture placement, wall-to-wall carpeting and window drap-

ery. The Plumbing and Heating Industries Bureau points out that either radiant baseboards or low level convectors offer solutions for

heating rooms with large picture windows. Most installations merely take the place of existing wooden baseboards.



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- CORN Whole Kernel Picnic Tins 14c
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- TIDE Giant Economy Size—New! 75c
- TREND Giant Size 59c
- DOG FOOD TIMBERLINE 10c

Recipe

SLOW UP

If you're the cook, give yourself a vacation during warm weather and prepare easy menus. Here's the way to make a delicious T-male Casserole. Empty into a casserole, 2 small cans chicken tamales, 1 can chili con carne without beans (4 1/2 ounce) can chopped ripe olives and 1 No. 303 can whole kernel corn. Bake in a moderate oven about half an hour.

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YES! With all its cleaning and whitening action, Tide has an amazing new mildness. Not even the leading "detergents" made especially for dishwashing are so kind to hands as Tide!

ACTUALLY BRIGHTENS COLORS! For dramatic proof of Tide's safety, watch soap-dulled colors come brighter after one Tide wash. Yes, Tide really cares for all colored washables!

AND TIDE IS SO THRIFTY TO USE! Such a little Tide makes such oceans of rich, long-lasting suds... goes so far in hardest water, it's a miracle of economy.



"Never saw my wash so white before!"

says Mrs. Natalie Walden of Miami, Florida.

"I assumed you had to bleach to get clothes really white. But Tide—alone—washed my clothes whiter than I ever got them with bleach in the wash water. I could see the difference!"

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