

Aquatic Chemical & Metallurgical Engineers

118 East 28th Street New York, N. Y.

An Organization of Water Treatment Experts

Manufacturers of Scientific
Products for Eliminating



Rust, Scale, Foaming and
Related Water Troubles

DEVELOPMENT—A-C-M-E laboratories, having surveyed many different waters and types of heating installations, are bringing to your attention a series of practical and accurate water treatments for house heating boilers.

Long technical experience with water problems in the marine and stationary high pressure boiler field, together with careful diagnosis and follow-up, enables us to bring the low pressure boiler plant within our scientific control.

TREATMENTS AND THEIR ACTION—Our materials are distributed in convenient quart containers ready for use. They act upon accumulated rust, scale and oils at a proper slow rate to *completely disintegrate and loosen them, without plugging and stopping steam and water flow—by holding the resulting sludge in suspension until blown out.* The treatments acting thru their colloidal, chemical and electro-chemical properties prevent the further formation of rust and scale, and stop frothing.

RESULTS—The heat retarding action of scale, rust and oil is eliminated; accumulations of mud and core-sand are swept from the system; foaming and dirty water prevented and corrosion overcome. As a result, steaming is easier, a surprisingly large amount of fuel is saved, repairs and replacements are minimized and the entire heating system made more efficient. **Because heating surfaces are actually cleaned, heat transfer is quicker.** Moreover, deposits of rust are removed from such places as hot water heating units, valves and other auxiliaries. Continued treatment prevents further accumulations. Since corrosion is arrested, boilers do not rust and leak.

UNIQUENESS OF A-C-M-E SERVICE AND TREATMENTS—For the first time, instead of buying a single preparation for all boilers and all troubles, you can purchase a different and scientifically prepared product depending upon whether yours is a cast-iron boiler or steel boiler, and whether it is coal, oil or gas-fired. Ask for No. 1L.P. folder.

Quantities Required for one complete cleaning (two treatments) of house heating steam boilers:

Cast-Iron: Coal or Oil-Fired—For each 6 sq. ft. or less of grate area, use two cans.

Steel: Coal or Oil-Fired—For each 150 sq. ft. or less of boiler heating surface, use two cans.

All Gas-Fired Steam Boilers—Two cans for the first and second 2000 sq. ft. of steam radiation, and two cans for each additional 1500 sq. ft. thereafter.

Hot Water Heating—For each 2500 sq. ft. or less of hot water radiation, two cans "Gas-Fired Treatment." Above quantities are based on actual extensive field experience under average conditions. Our laboratories will be glad to advise in unusual cases.

AIR CONDITIONING SYSTEMS, SPRAY TOWERS AND WATER SERVICE LINES can also be saved from the corrosive and destructive action of water and the impurities it collects. Recommendation without charge. Information upon request.

RECOMMENDED AND USED BY LEADING HEATING AND VENTILATING ENGINEERS

Scale which
acts as insula-
tion can be re-
moved safely.



Corrosion
deteriorates
equipment
quickly. Arrest
it promptly!

Users are Impressed by Positive Results

AMERICAN RADIATOR COMPANY

40 West 40th Street, New York, N. Y.

Division of AMERICAN RADIATOR & STANDARD SANITARY CORPORATION

Products for Every Heating Requirement

On Automatic Heating

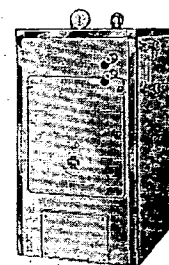
AMERICAN Radiator Company, the world's largest manufacturer of heating equipment, includes in its line every product necessary for complete automatic heating, excepting oil burners and mechanical stokers. This includes not only boilers specially designed for oil, gas or coal, but radiators and controls as well; and such accessories to the complete job as radiator enclosures, vents and valves, copper pipe and fittings, time and limit switches, and equipment for domestic hot water.

The use of this family of products assures you undivided responsibility for the satisfactory performance of the complete job. All of them are backed by the same dependability, the same experience, the same reputation for performance... and the name that for more than 43 years has stood for quality in heating—American Radiator.

An important feature of the boilers and the radiators listed here is that they are all cast-iron—the metal that scientific research and tests indicate is best for heating purposes. Especially for automatic heating—which is in most cases intermittent—cast-iron radiators have advantages possessed by no other. They will stand more than the normal abuse of installation and use without damage, and have the ability to *hold heat longer* between periods of firing, and are easier to keep clean.

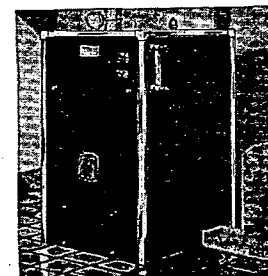
On the following pages are shown a few of the products of American Radiator Company. For detailed specifications or information on any of them, or on any other equipment for heating, see the Ideal Fitter, or write to American Radiator Company, 40 West 40th Street, New York, N. Y.

BOILERS for automatic heating with every fuel



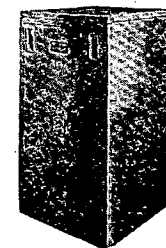
No. 12 OIL BURNING
BOILER

A deluxe model, exclusively for oil burning. Designed with the cooperation of the technical committee of the *American Oil Burner Association*. Jacket concealing Burner and controls can be furnished.



No. 21 AUTOMATIC
COAL-FIRED BOILER

Designed especially for use with mechanical stokers and recommended by leading stoker unit manufacturers, the No. 21 Boiler assures the best in coal fired automatic heat.



No. 11 OIL BURNING
BOILER

One of the first and finest exclusively oil burning boilers for the small home. Equipment includes controls for complete automatic requirements.

See also Page 861

MAKE IT AN "ALL AMERICAN" JOB!