

Boiler (Water Treatment)

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 through 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:

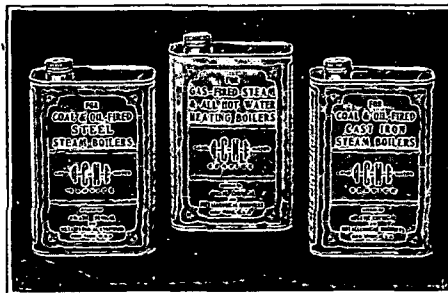
Cast-Iron: Coal or Oil-Fired—For each 6 sq. ft. or less of grate area, use two cans.
Steel: Coal or Oil-Fired—For each 150 sq. ft. or less of boiler heating surface, use two cans.
All Gas-Fired Steam Boilers—Two cans for the first and second 2000 sq. ft. of steam radiation, and two cans for each additional 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.



Users are Impressed by Positive Results

Corrosion
deteriorates
equipment
quickly. Arrest
it promptly!

Boiler (Cleansers and Leak Seal)

The Vinco Company, Inc.

305 East 45th Street

New York, N. Y.

VINCO Boiler Cleanser

A positively harmless insoluble powder cleanser for new, remodeled and old heating systems. A unique, scientifically processed compound of ingredients, on a special formula not to be confused with other powder boiler cleansers.

ADOPTED BY

*American Radiator Co.
*American Gas Products Co.
*Barnes & Jones
*Boynston Furnace Co.
*Burnham Boiler Corp.
*Hart & Crouse Co.
*Heggie-Simples Boiler Co.
*Hoffman Specialty Co.
*Ideal Boiler Co.
*International Boiler Works
*Kewanee Boiler Corp.
*National Radiator Corp.
*Petroleum Heat & Power Co.
*Sarco Co.
*Standard Sanitary Mfg. Co.
*The Thatcher Co.
*Thermo Service, Inc.
*Tulurville Iron Works Co.
*United States Radiator Corp. and many others.

What Vinco Does

VINCO permanently removes all the oil, grease, scale and dirt from the internal surfaces and from the boiler water without the labor of blowing boilers over the top.

By this thorough cleansing Vinco stops foaming, priming, surging, incomplete circulation and poor radiation.

How Vinco Works

Each minute grain of VINCO powder absorbs several times its own weight of oil, rust and dirt. These larger grains of absorbed impurities then settle and are blown through the bottom, according to directions on each can.

Vinco Specifications for New and Remodeled Steam and Vapor Systems

Cleaning the System—Upon completion of the installation, the contractor shall clean the system by the VINCO method to remove oil, grease, rust and dirt from the boiler using 1 lb. of Vinco, in exact accordance with manufacturer's directions.

This compound must remain in the boiler for at least 10 days of normal operation—not longer than 60 days. At the end of this period, boiler must be thoroughly drained and flushed before refilling with clean water.

In writing specification, insert in this space number of pounds of VINCO to be used in accordance with the following schedule. For systems having:

Up to 350 sq. ft. of radiation	3 lb.
351 " 600 " "	5 "
601 " 1100 " "	8 "
1101 " 1400 " "	10 "
1401 " 1800 " "	13 "
1801 " 2100 " "	15 "
2101 " 2700 " "	18 "
2701 " 3100 " "	20 "
3101 " 3700 " "	23 "
3701 " 4200 " "	26 "
4201 " 4600 " "	28 "
4601 " 5000 " "	30 "

Above 5000 sq. ft. use an additional pound of Vinco for each additional 300 sq. ft. of radiation.

In determining amount of Vinco to be used all radiation may be taken at actual rating.

*For old systems use only one-half quantities given in specification table.



Distributed by Boiler Manufacturers and Jobbers.
Sold only in our trade-marked cans like above.

**VINCO BOILER
CLEANSER**
Packed in 3,
5 and 10 lb. cans

**VINCO LEAK
SEAL**
Packed in 1 qt.
cans only

VINCO Superfine Liquid Boiler Seal

A different liquid leak seal. Unique in that it does not induce priming and foaming. It has no unpleasant smell. It makes speedy and permanent repairs of all boiler and heating system leaks. Fine to tighten up new jobs. The directions are simple to follow.

QUANTITIES

Steam and Vapor
Systems

Use 1 quart VINCO Liquid Boiler Seal to each 6 sq ft grate area.

Hot Water Systems

Use 2 quarts VINCO Liquid Boiler Seal to each 6 sq ft grate area.

Vinco Specifications for Hot Water Systems

Cleaning the System—Upon completion of the installation, the contractor shall clean the system by the VINCO method using 2 lb. of VINCO in exact accordance with manufacturer's special directions for hot water systems, given on their cans.

**Only one-half quantities in specification table required for hot water systems.

Vinco for Old Systems

Annual cleaning of the old heating system adds years of life to the boiler, prevents rust deterioration and saves much fuel and fire attendance.

Our Free Laboratory Service

Saves thousands of dollars by analyzing the boiler water before making needless mechanical changes. If desired, the boiler water is again examined after the VINCO treatment is completed, and "certified chemically correct" for boiler operation. (Write for details.)

Our Three-fold Guarantee

1. VINCO contains no potash, lye, soda or any kind, oil, acid, or other harmful ingredients. (See most recent publications of leading boiler manufacturers advising against use of acids or alkalis in boilers).
2. Purchase price is refunded if results are not as claimed when VINCO has been used according to directions.
3. Your time, money and comfort are further safeguarded by our free laboratory service.