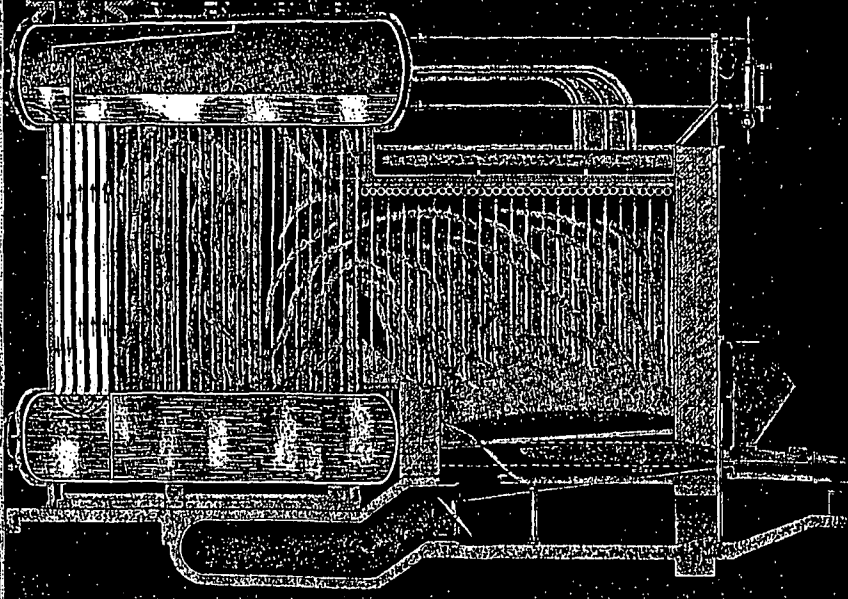


Only with Riley "RO" Boiler Units do you get all of these advantages



In no other moderate size boiler unit can you get all of the outstanding advantages found in the Riley "RO" boiler unit. All of these advantages are well worth their costs and pay users handsome dividends in lower steam costs, lower maintenance and trouble-free continuity of operation. Riley "RO" boiler units are built to the same high standards as large central station units.

Integral Economizer

Assures low flue gas temperatures and high efficiency

Riley "RO" boilers are equipped with a patented economizer section located at the rear of the unit and as an integral part of it. The use of this integral economizer adds appreciably to the actual operating efficiency by more efficiently utilizing the heat of the gases, thereby reducing the heat loss up the stack.

Water-cooled Furnace

Permits high combustion efficiency and low furnace maintenance

Water-cooled furnaces are used to permit high combustion efficiency by reducing furnace temperatures; to minimize difficulties with clinkers and slag; and to give low furnace maintenance. All larger steam generating units use water-cooled furnaces. The same advantages occur from their use on moderate sized units. Riley uses 3 1/2" O.D. tubes for water walls.

A survey of your power plant by a consulting engineer will possibly show ways of making surprisingly large savings in power costs.

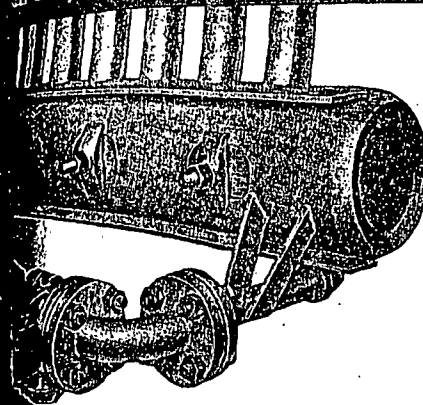
RILEY

STOKER CORPORATION, Worcester, Mass.

Boston New York Philadelphia Pittsburgh Buffalo Cleveland Detroit
St. Louis Cincinnati Houston Chicago Denver Memphis St. Paul
Kansas City Los Angeles Atlanta New Orleans Washington Seattle

COMPLETE STEAM GENERATING UNITS

BOILERS • PULVERIZERS • BURNERS • STOKERS • AIR HEATERS
SUPERHEATERS • ECONOMIZERS • WATER-COOLED FURNACES
STEEL-CLAD INSULATED SETTINGS • FLUE GAS SCRUBBERS



Forged Hand Hole Covers

Provide ready access to water wall headers from outside of unit

Large diameter water wall headers equipped with forged hand hole covers are used with Riley "RO" boilers. These hand hole covers provide ready access to every water wall tube from outside the setting. Did you ever hear of a large steam generating unit where water wall headers were not equipped with hand hole covers?

Rugged Steel Casing

Reinforced No. 10 gauge casing assures permanent tightness

The steel casing used with Riley "RO" boilers is No. 10 gauge and heavily reinforced to assure permanent air tightness and rigidity, practically eliminating air infiltration. It is not just a tin covering for appearance alone.

Insulated Tile Setting

Minimizes radiation loss

Riley "RO" settings are heavily insulated with high temperature insulating blocks and mineral wool felt to give low outside casing temperatures and to reduce radiation loss to a minimum.

All of these well-known companies have installed Riley "RO" Boilers

American Brass Co.
Montanto Chemical Co.
Packard Motor Car Co.
Goodyear Tire & Rubber Co.
Standard Oil Co. of Calif.
American Steel & Wire Co.
General Electric Co.
Nicholson File Co.
Owens Corning Fiberglass Co.
Payson-Cola Co.
McGraw-Hill Mfg. Co.
Boeing Aircraft Co.
Ballard Company
Westinghouse Electric Co.
Pet Milk Co.

Chrysler Corp.
New Departure Bearing
Industrial Rayon
Hercules Powder Co.
Pullman-Standard Car Co.
Revere Copper & Brass Co.
U.S. Gypsum Co.
Republic Creamery Co.
Armour & Co.
Celanese Corp. of America
Mead Corp.
Park & Tilford, Inc.
Pennsylvania Salt Co.
A. O. Smith Co.
Congoleum Nairn Co.
Nunn Bush Shoe Co.

Curtis-Wright Corp.
Eagle-Pitcher Lead Co.
Publicker Industries
General Aniline Works
Public Service Elec. & Gas Co.
General Motors Corp.
Balding Heminway Co.
Heyden Chemical Co.
Chas. H. Phillips Chemical Co.
Perfect Circle Co.
Wiss & Sons
C. G. Conn Co.
Behr Manning Co.
Central Ohio Light & Power Co.
General Food Co.

