

Combustion Engineering Company, Inc.

200 Madison Avenue, New York

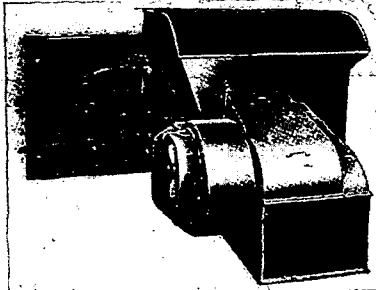
BOSTON, MASS.
CHATTANOOGA, TENN.
CHICAGO, ILL.
CHARLOTTE, N. C.
INDIANAPOLIS, IND.

CLEVELAND, OHIO
CINCINNATI, OHIO
DENVER, COLO.
DETROIT, MICH.
TULSA, OKLA.

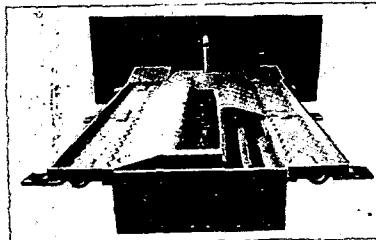
HARTFORD, PA.
HONOLULU, HAWAII
HOUSTON, TEXAS
KANSAS CITY, MO.
SAN FRANCISCO, CALIF.

MANILA, P. I.
MINNEAPOLIS, MINN.
NEW YORK, N. Y.
PHILADELPHIA, PA.
WASHINGTON, D. C.

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PONCE, PORTO RICO



Center retort stoker with high front



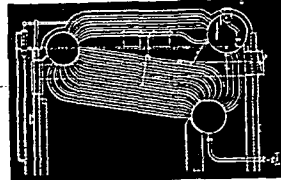
Rear view of center retort stoker. Pipe above retort supplies air over the fire

C-E Stoker-Unit For Small Heating and Industrial Plants

Hopper, fuel feeding and distributing mechanism, grate, windbox, driving mechanism and windblower are combined in a simple, rugged, compact unit, easily installed and operated.

Small clearances required permit installation with only small alterations in most cases. Brickwork is seldom disturbed. Stoker body is shipped completely assembled, ready to install.

Operation is easy and dependable. Variable speed permits sixteen rates of coal feed to meet all load requirements. Control lever is conveniently located. Hopper is placed at correct height for easy filling. Volume of air is automatically regulated to suit stoker speed. Mechanism is completely enclosed and protected by shearing pin. Very practical and efficient.



C-E Bent Tube Boiler Design VM

Designed especially for limited space conditions, particularly where the headroom is low, but where simple design, substantial structure and efficient performance are required.

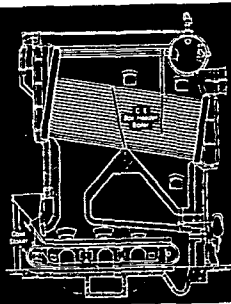
Has fusion welded seams. Riveted drums optional. Front drum is not entirely submerged, which gives steam space in two drums and results in drier steam.

C-E Box Header Boilers

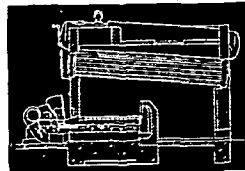
Features of C-E Box Header Boilers are: Straight tubes, easily cleaned, all tubes identical; low head room, quick installation, large furnace volume, high efficiency; dry steam, minimum furnace width, and low maintenance.

Other C-E Products:

Boilers, all standard design; Stokers, all standard



Cross-Drum Type with Travelling Grate Stoker



Long-Drum Type with Type E Underfeed Stoker

design: Pulverized Fuel Systems, storage and direct-firing; Water Cooled Furnaces for steam boilers; Air Heaters; Economizers; Complete Steam Generating Units; Fabricated Plate Work, welded or riveted.

Farrar & Trefts

Incorporated

Buffalo, N. Y.

HEATING AND POWER BOILERS

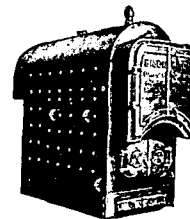
Bison Compact Boilers
Bisonette Compact Boilers
Firebox Return Tubular Boilers
Firebox Locomotive Type Boilers
Scotch Marine Type Boilers
Vertical Boilers
Horizontal Return Tubular Boilers
Bison Two-Pass Return Tubular Boilers



Established 1864

STEEL PLATE CONSTRUCTION

Storage and Pressure Tanks
Receivers, Welded or Riveted
Steel Pipe, Welded or Riveted
Buoys, Welded or Riveted
Condensers and Kettles
Smokestacks and Breechings
Special Work in Stainless Steel,
Everdur, Nickel, Aluminum
or Monel Metal



The Bison Compact

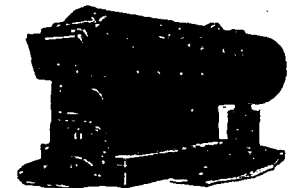
The F&T Bison Compact Welded Heating Boiler is more than just another boiler. It has been designed carefully so as to have a large furnace volume, the proper volume of water, just the right amount of steam liberating surface, the correct volume for steam storage and a balanced circulation. The result is a remarkably steady water line—A Balanced Boiler.

This boiler requires a minimum amount of floor space and is easy and inexpensive to install. It is reasonable as to first cost and economical in operation. Construction is in accordance with the A.S.M.E. Code for 15 lb. working pressure and boilers are designed for hand firing with anthracite or bituminous coal or for mechanical firing with oil, gas or stoker. There are various sizes available from 1800 to 35,000 sq. ft. of steam radiation, all ratings as required by the Steel Heating Boiler Institute.

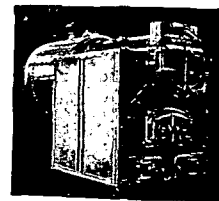
The Bisonette Compact Boiler has the same characteristics as the larger Bison Compact Boiler. It has been designed for installation in large residences and small business establishments where the advantages inherent in a Steel boiler are desired.

Firebox Return Tubular Heating Boilers are Quality Boilers. They are constructed to measure up to the high standards set by Heating Engineers and will give unfailing service under all conditions. Being economical to install and operate, they are highly favored by Architects and Engineers for heating Schools, Hospitals, etc.

There are two types of Firebox Boilers, the Up-Draft Type and the Down-Draft Type. Both types are made of welded or riveted construction for heating purposes at 15 lb. working pressure and of riveted construction for power purposes at 100, 125 and 150 lb. working pressure in accordance with the A.S.M.E. Code. Sizes from 1800 to 35,000 sq. ft. of steam radiation, as rated by the Steel Heating Boiler Institute, are designed for hand firing with coal or for mechanical firing with oil, gas or stoker.



Firebox Return Tubular Boiler



The Bison Two-Pass

The Bison Two-Pass Return Tubular Refractory Lined Boiler is favored by many Engineers because it Eliminates Water Legs, Flat Sides and Staybolts. This boiler is dependable for long years of continuous and economical operation. It stands up under heavy loads and provides that surplus of power so often needed.

This type of boiler is made of welded construction for 15 lb. working pressure and of riveted construction for 100, 125 and 150 lb. working pressure in accordance with the A.S.M.E. Code. Boilers are designed for ratings from 25 to 250 hp. and are inspected, tested, and stamped by a representative of a reliable insurance company before shipment. They are furnished for hand firing with coal or for mechanical firing with oil, gas, or stoker.