

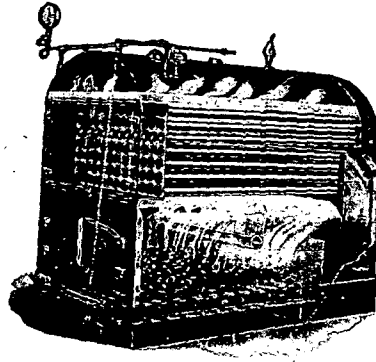
Erie City Iron Works

STEARNS DIVISION

Erie, Pa.

WELDED STEEL HEATING BOILERS

Sales Offices in Principal Cities



Coal Fired Type

The Erie City Welded Steel Heating Boiler is built in 18 sizes, 3,500 to 28,000 sq. ft. of steam radiation capacity, for coal, oil or gas firing.

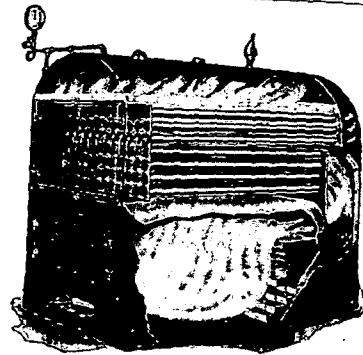
A few of the many features of design incorporated in this sturdy boiler that every heating engineer will appreciate are as follows:

Specially designed water-cooled refractory arch insures smokeless operation.

Long travel of products of combustion through 3 in. fire tubes insures low exit temperature and high efficiencies.

Large fire box and grate area permit extended firing periods and less frequent ash removal.

Front and rear smoke chambers are built into the boiler so that there are no protruding parts.



Oil or Gas Fired

Gas passes are correctly proportioned to insure correct velocities through the different passes of the boiler.

Draft loss is exceptionally low, making it possible to carry heavy fires without seriously reducing the steaming rate.

The ratio of heating surface to grate area is above the average for boilers of this type.

Many other characteristics of this boiler are described in a booklet. Please write for a copy for your file.

In addition to the two types illustrated above, we build the Up-Draft type for low volatile coals, which does not have the water cooled hanging arch as built into the smokeless type and is, therefore, slightly lower in price.

SIZES, WEIGHTS, CAPACITIES, ETC.

SERIES NO. 3—SMOKELESS FOR COAL

No.	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Capacity Steam Sq. Ft.	Hot Water Capacity Sq. Ft.	Shipping Weight Pounds	No.	Heating Surface Sq. Ft.	Capacity Steam Sq. Ft.	Hot Water Capacity Sq. Ft.	Shipping Weight Pounds
352	259	13.1	3500	5775	6500	452	259	4500	7425	5341
353	301	13.1	4000	6600	7000	453	301	5250	8663	5800
354	343	14.6	4500	7425	7500	454	343	5500	9075	6183
355	375	16.3	5000	8250	8000	455	375	6250	10313	6632
356	409	17.9	5500	9075	8500	456	409	6750	11138	7009
357	449	17.9	6000	9900	9000	457	449	7250	11963	7484
358	523	19.7	7000	11550	9800	458	523	8250	13613	8145
359	600	22	8000	13200	10800	459	600	9500	15675	9026
360	680	22	9000	14850	11750	460	680	10500	17325	9938
361	803	24	10500	17325	13500	461	803	12500	20625	11324
362	914	27	12000	19800	14650	462	914	14000	23100	12077
363	1071	29.3	14000	23100	16500	463	1071	16200	26750	13705
364	1222	31.5	16000	26400	18500	464	1222	18200	30030	15573
365	1372	31.5	18000	29700	20500	465	1372	20500	33825	17500
366	1533	34.1	20000	33000	22400	466	1533	22700	37455	19191
367	1686	35.5	22000	36300	24300	467	1686	25000	41250	21058
368	1927	38.5	25000	41250	27250	468	1927	28200	46250	23746
369	2153	41.5	28000	46200	30000	469	2153	31700	52305	25954

Send for Booklets and Price List

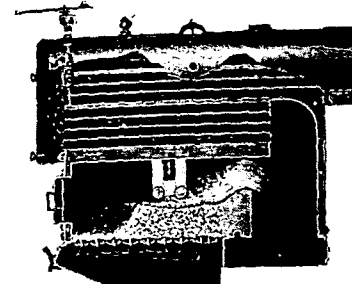
Heggie-Simplex Boiler Co.

Joliet, Illinois

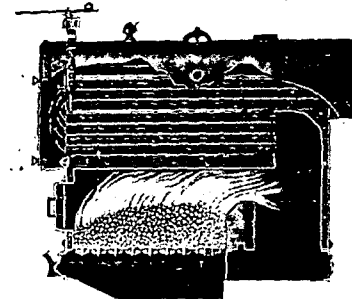


Heating Boiler Division of James G. Heggie & Sons, Manufacturers of Steel Boilers for Over 38 Years

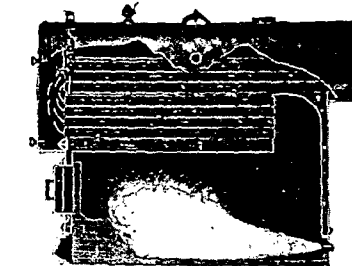
Representatives in Principal Cities



For Burning Soft Coal Smokelessly



For Soft or Hard Coal, Coke, or Wood



For Burning Oil or Gas

The introduction of Heggie-Simplex Boilers marked the beginning of a new era in heating boiler design and construction. While widely imitated today, they embody the simplicity in design upon which the durability, that has made them so popular, depends. Patents protect this superiority.

The crown and side walls of the firebox and auxiliary combustion chamber are made from a single plate—there are fewer plates, and fewer seams in Heggie-Simplex Boilers than in other boilers of this popular type.

While built to conform with the A. S. M. E. Code, its requirements are minimum only in Heggie-Simplex specifications. For example, where the Code calls for $\frac{1}{4}$ in. plate, Heggie-Simplex employ $\frac{3}{16}$ in. All openings are reinforced with forged steel flanges. Bases are made of steel channels. Similarly, every detail affecting greater strength and longer life is incorporated.

S. H. B. I. Ratings

Heggie-Simplex Boilers are rated in conformity with the "Steel Heating Boiler Institute's Code for Rating Low Pressure Heating Boilers."

These ratings are the total radiation load at the boiler outlet; expressed in square feet of cast iron radiation. Steam ratings are based upon the emission of 240 B.t.u. per hour per square foot of rating at 2 lb. pressure. Water ratings are based upon the emission of 150 B.t.u. per hour per square foot of rating at 180 deg. Fahr.

To determine the Heggie-Simplex Boiler required to heat a building, add the following: (1) the direct radiation, (2) the equivalent to compensate for losses through water heaters or other apparatus connected to the boiler, (3) and the equivalent to compensate for losses through piping connecting the radiation, water heater and other apparatus to the boiler. Then select a size with a rating equal to this total load.

Send for catalog to obtain more detailed information and specifications.