Oil City Boiler Works

Oil City, Pa.

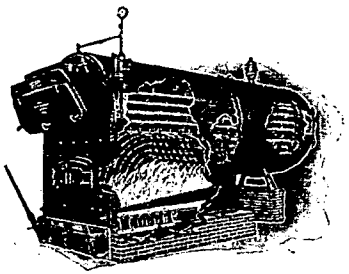
BRANCH OFFICES:

NEW YORK, 501 Fifth Avenue — PITTSBURGH, House Building

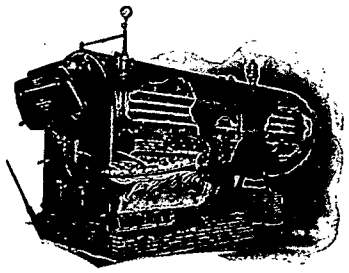
CHICAGO, 1224 Marquette Building

REPRESENTATIVES:

Cleveland, Ohio — San Francisco, Cal. — Philadelphia, Pa. — Baltimore, Md.



"Oil City" Direct Draft Boiler



"Oil City" Smokeless Boiler

"OIL CITY" low pressure boilers are offered to the trade as the last word in "Heating Economy" comprising in one unit all the elements of a modern plant for steam or hot water heating, especially adapted for Schools, Office Buildings, Hotels, Churches, Club Houses, Hospitals or for any purpose where the service of a universally recognized fire box boiler of high merit is desired.

"OIL CITY" boilers are designed and constructed to meet all requirements of modern engineering as formulated by the American Society of Mechanical Engineers, the boiler laws of the various states and cities, and are backed by thirty-five years of successful practical experience.

Description

"OIL CITY" boilers are built in smokeless and straight draft types for portable and brick settings, self contained with all steel construction thoroughly braced, stayed, inspected, and tested for 15 lbs. working pressure.

These boilers have large fire boxes thereby insuring ample combustion space in which heat-giving gases and air freely mix before entering tubes.

The arrangement of tubes in relation to shell allows free circulation of water at all times, together with large steam space, insuring dry steam and steady water level.

All parts of the boiler are made accessible for cleaning by the use of manholes, handholes, and wash-out plugs.

Ratings

Ratings are very conservative, only such parts of the boiler coming in actual contact with passage of the hot gases, and lying below the zone of normal water level being considered as heating surface.

Equipment

Equipment with all boilers includes, in addition to complete set of shaking grates, all the necessary castings, safety valves, steam gauge, water column, etc., required for a complete installation.

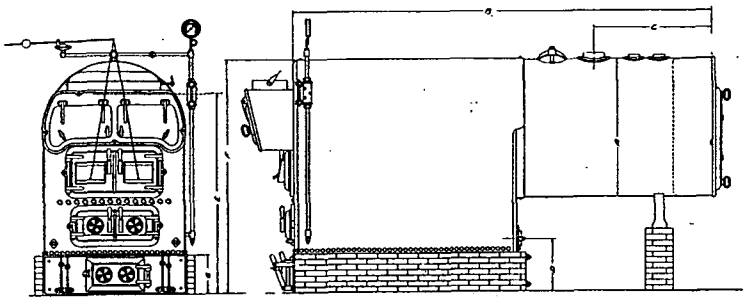
In General

In addition to the foregoing, the object of the OIL CITY BOILER WORKS is to furnish a boiler that has embodied in it the best features of modern construction and free from the recognized faults.

Every "OIL CITY" boiler bears the official stamp, or symbol of the A. S. M. E. Boiler Code, indicating the pressure at which the boiler may be worked.

At a small increase in cost "OIL CITY" boilers are furnished, braced and stayed, for a safe working pressure of 100 lbs.

SPECIFICATIONS AND GENERAL DIMENSIONS ON NEXT PAGE.



Setting Plan and Measurements "Oil City" Heating Boilers

"Oil City" Smokeless

NUMBER OF BOILER			307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324
CAPACITY - STEAM		Sq. Ft.	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000
CAPACITY - WATER		Sq. Ft.	3000	5000	6600	7800	9600	11200	12800	14400	16000	18000	20000	22000	24000	26000	28000	30000	32000	34000
BOILER DIAMETER	A	In.	48	48	48	54	54	54	60	60	60	60	66	66	72	72	78	78	84	84
BOILER LENGTH	B	Ft. & In.	9-1	10-5	11-5	10-11	11-11	12-11	13-11	15-5	16-5	17-5	18-5	19-5	16-7	17-11	17-10	18-10	19-4	20-4
REAR TO OUTLET	C	Ft. & In.	3-2	3-9	4-2	3-5	3-9	4-2	4-2	4-5	4-8	4-11	5-1	5-4	5-0	5-3	5-6	6-1	6-5	6-11
FLOOR TO RETURN	D	In.	13	13	13	13	13	13	22½	22½	22½	22½	23	23	23	23	23	23	23	23
FLOOR TO WATER LINE	E	In.	71	71	71	78	78	78	87	87	87	87	90	90	96	96	97	97	105	105
HEIGHT OVER BOILER	F	Ft. & In.	7-0	7-0	7-0	7-5	7-5	7-5	8-5	8-5	8-5	8-5	8-11	8-11	9-5	9-5	9-7	9-7	10-1	10-1
HEIGHT ASH PIT	G	Ft. & In.	14	14	14	14	14	14	17	17	17	17	17	17	17	17	17	17	17	17
SIZE OUTLET		In.	6	6	6	6	6	6	7	7	7	7	8	8	8	8	8	8	10	10
SIZE RETURN		In.	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	8	8
SIZE SMOKE OUTLET		In.	10.38	10.38	10.38	10.42	10.42	10.42	13.46	13.46	13.46	13.46	15.50	15.50	17.54	17.54	17.60	17.60	20.64	20.64
DIA. BRECECHING - ONE BOILER		In.	12	12	12	14	14	14	18	18	18	18	20	20	24	24	26	26	30	30
DIA. BRECECHING - TWO BOILERS		In.	20	20	20	28	28	28	30	30	30	30	34	36	38	38	42	42	48	48
DIA. STACK - ONE BOILER		In.	20	20	20	22	22	22	24	24	24	24	30	30	32	32	34	34	36	36
DIA. STACK - TWO BOILERS		In.	28	28	28	31	31	31	34	34	34	34	40	42	48	48	48	48	54	54
HEIGHT STACK - ONE BOILER		Ft.	30	35	35	35	35	40	60	60	60	65	65	65	70	70	70	80	90	90	100
HEIGHT STACK - TWO BOILERS		Ft.	60	65	65	65	65	70	70	70	70	75	75	75	80	80	80	90	100	100	110
REQ'D TO OPEN REAR DOORS		In.	18	18	18	20	20	20	32	32	32	32	35	35	37	37	40	40	43	43

"Oil City" Direct Draft Type

NUMBER OF BOILER			307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324
CAPACITY - STEAM		Sq. Ft.	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000
CAPACITY - WATER		Sq. Ft.	4800	9000	5000	6600	7800	9600	11200	12800	14400	16000	18000	20000	22000	24000	26000	28000	30000	32000
BOILER DIAMETER	A	In.	48	48	48	54	54	54	60	60	60	60	66	66	72	72	78	78	84	84
BOILER LENGTH	B	Ft. & In.	8-7	9-6	11-1	10-0	11-1	12-1	12-5	13-7	14-9	16-2	16-5	17-8	15-3	17-4	15-11	17-6	17-11	19-1	20-1	22-1
REAR TO OUTLET	C	In.	3-11	4-3	4-10	4	4-3	4-1	4-2	4-11	5-11	6-3	6-5	7-2	6-3	6-3	6-6	7-11	7-7	9-7
FLOOR TO RETURN	D	In.	13	13	13	13	13	13	22½	22½	22½	22½	23	23	23	23	23	23	23	23
FLOOR TO WATER LINE	E	In.	71	71	71	78	78	78	87	87	87	87	90	90	96	96	97	97	105	105
HEIGHT OVER BOILER	F	Ft. & In.	7-0	7-0	7-0	7-5	7-5	7-5	8-5	8-5	8-5	8-5	8-11	8-11	9-5	9-5	9-7	9-7	10-1	10-1
HEIGHT ASH PIT	G	Ft. & In.	14	14	14	14	14	14	17	17	17	17	17	17	17	17	17	17	17	17
SIZE OUTLET		In.	6	6	6	6	6	6	7	7	7	7	8	8	8	8	8	8	10	10
SIZE RETURN		In.	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	8	8
SIZE SMOKE OUTLET		In.	10.38	10.38	10.38	10.42	10.42	10.42	13.46	13.46	13.46	13.46	15.50	15.50	17.54	17.54	17.60	17.60	20.64	20.64
DIA. BRECECHING - ONE BLR.		In.	12	12	12	14	14	14	18	18	18	18	20	20	24	24	26	26	30	30
DIA. BRECECHING - TWO BLRS.		In.	20	20	20	28	28	28	30	30	30	30	34	36	38	38	42	42	48	48
DIA. STACK - ONE BLR.		In.	20	20	20	22	22	22	24	24	24	24	30	30	32	32	34	34	36	36
DIA. STACK - TWO BLRS.		In.	28	28	28	31	31	31	34	34	34	34	40	42	48	48	48	48	54	54
HEIGHT STACK - ONE BLR.		Ft.	30	35	35	35	35	40	60	60	60	65	65	65	70	70	70	80	90	90	100
HEIGHT STACK - TWO BLRS.		Ft.	60	65	65	65	65	70	70	70	70	75	75	75	80	80	80	90	100	100	110
REQ'D TO OPEN REAR DOORS		In.	18	18	18	20	20	20	32	32	32	32	35	35	37	37	40	40	43	43