The H. B. Smith Company

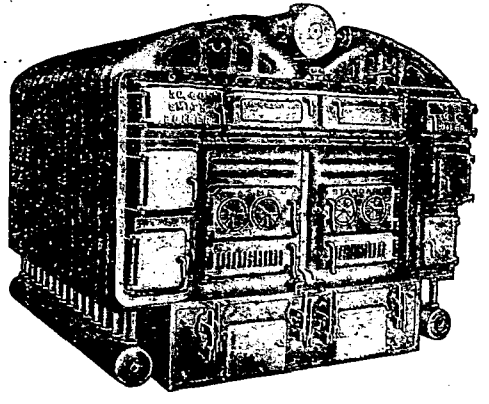
Works: Westfield, Mass.

Westfield, Mass.: 57 Main Street

New York: 10 E. 39th Street Boston: 640 Main Street, Cambridge

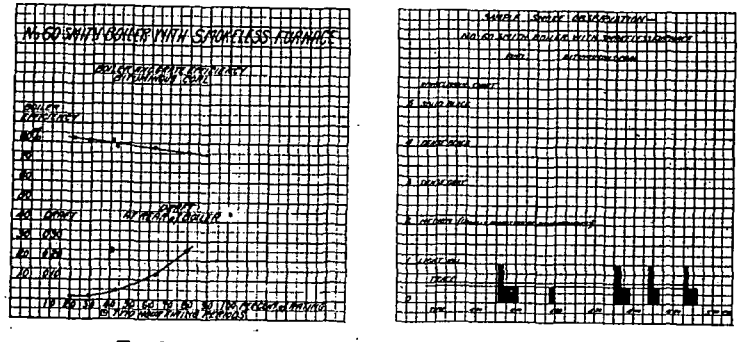
Philadelphia: 17th and Arch Streets

Manufacturers of Boilers and Radiators for Steam and Water Heating



No. 60 Smith Boiler

PERFORMANCE CURVES



To those interested other test records are available

Smith Boiler With Smokeless Furnace

No. of Sections in Boiler	Nominal Size of Fire Pot, Inches: Width	Nominal Size of Fire Pot, Inches: Length	Total Length of Boiler, Inches	Length at Foundation, Inches	Steam Rating, Feet	Water Rating, Feet
			No. 27			
10	27	30	77	62	1500	2475
11	27	30	83	68	1650	2725
11	27	36	83	68	1800	2975
12	27	36	89	74	1950	3225
12	27	42	89	74	2100	3475
13	27	42	95	80	2250	3725
13	27	48	95	80	2400	3950
14	27	48	101	86	2550	4200
15	27	54	107	92	2725	4500
16	27	60	113	98	2900	4775
			No. 36			
11	36	36	87	68	2750	4550
12	36	36	93	74	3000	4950
12	36	42	93	74	3250	5375
13	36	42	99	80	3500	5775
13	36	48	99	80	3750	6200
14	36	48	105	86	4000	6600
14	36	54	105	86	4250	7000
15	36	54	111	92	4500	7425
16	36	60	117	98	4800	7925
17	36	66	123	104	5100	8425
18	36	72	129	110	5400	8900
			No. 60			
12	60	36	110	73	6600	10900
13	60	36	116	79	7200	11900
13	60	42	116	79	7800	12850
14	60	42	122	85	8400	13850
14	60	48	122	85	9000	14850
15	60	48	128	91	9600	15850
15	60	54	128	91	10200	16850
16	60	54	134	97	10800	17800
17	60	60	140	103	12000	19800
18	60	66	146	109	13200	21800
19	60	72	152	115	14400	23750
20	60	78	158	121	15600	25750

Additional Data Applying to Boilers Both With and Without Smokeless Furnace

Boiler No.	27	36	60
Width at foundation	35 in.	48¼ in.	72 in.
Width of boiler, steam	56 in.	72 in.	98 in.
Width of boiler, water	59 in.	76 in.	98 in.
Height of boiler	80 in.	83 in.	87 in.
Height of water line	57 in.	59 in.	66 in.
Oval smoke pipe equivalent to	13¾ in. round	17 in. round	26 in. round

Smith Boiler Without Smokeless Furnace

No. of Sections in Boiler	Nominal Size of Fire Pot, Inches: Width	Nominal Size of Fire Pot, Inches: Length	Total Length of Boiler, Inches	Length at Foundation, Inches	Steam Rating, Feet	Water Rating, Feet
			No. 27			
5	27	24	47	32	1200	1975
6	27	30	53	38	1500	2475
7	27	36	59	44	1800	2975
8	27	42	65	50	2100	3475
9	27	48	71	56	2400	3950
10	27	54	77	62	2700	4450
11	27	60	83	68	3000	4950
12	27	60	89	74	3300	5450
12	27	66	89	74	3300	5450
13	27	66	95	80	3600	5950
13	27	72	95	80	3600	5950
14	27	66	101	86	3900	6425
14	27	78	101	86	3900	6425
			No. 36			
7	36	36	63	44	2300	3800
8	36	42	69	50	2800	4625
9	36	48	75	56	3300	5450
10	36	54	81	62	3800	6275
11	36	60	87	68	4300	7100
12	36	60	93	74	4800	7925
12	36	66	93	74	4800	7925
13	36	66	99	80	5300	8750
13	36	72	99	80	5300	8750
14	36	66	105	86	5800	9575
14	36	78	105	86	5800	9575
15	36	72	111	92	6300	10400
15	36	84	111	92	6300	10400
16	36	72	117	98	6800	11225
16	36	90	117	98	6800	11225
			No. 60			
8	60	36	86	49	6000	9900
9	60	42	92	55	7200	11900
10	60	48	98	61	8400	13850
11	60	54	104	67	9600	15850
12	60	60	110	73	10800	17800
13	60	66	116	79	12000	19800
14	60	72	122	85	13200	21800
15	60	78	128	91	14400	23750
16	60	84	134	97	15600	25750
17	60	78	140	103	16800	27700
17	60	90	140	103	16800	27700
18	60	84	146	109	18000	29700
18	60	96	146	109	18000	29700

Note.—For additional data pertaining to these boilers, see table at bottom of opposite column.

Tappings Supply Drum*

Outside diameter.....12 in.
Tapped for 2-in. lock-nut nipples. Front end tapped 2 in. Rear end tapped one 4 in. and one 2 in.

Tappings on Top

Number of Sections	Size of Tappings, ins.: 4	5	6	8
		Number of Tappings		
8	2	....	2	....
9	2	....	2	....
10	....	2	....	2
11	....	2	....	2
12	....	2	....	2
13	....	2	....	2
14	....	2	....	3
15	....	2	....	3
16	....	2	....	3
17	....	2	....	3
18	....	2	....	3
19	....	2	....	3
20	....	2	....	3

Return Drums*

Steam Boilers

Outside diameter.....8 in.
Tapped for 2-in. lock-nut nipples.
Front ends tapped.....2½ in.
Rear ends tapped.....5 in.
Undersides tapped.....1¼ in.

Fire Tools Furnished

Poker, hoe, slice bar, flue brush with handle and ash shovel.

Trimmings Furnished with Steam Boilers

Water column, gage cocks, water gage cocks, water gage glass, steam gage (with cock), steam gage siphon. Damper regulator complete with chain.

*When boiler is to be used for water warming, specify on order the size of supply and return pipe tappings. Tappings other than those listed are special. Order must specify sizes.