

Herbert Boiler Company

INCORPORATED

Factory and General Offices
Root and La Salle Streets

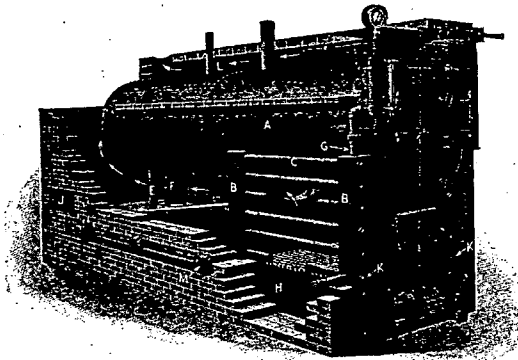
Chicago, Illinois

Products made by the HERBERT BOILER Co. consist of HERBERT Steel Heating and Power Boilers, HERBERT Garbage Burning Water Heaters and HERBERT Tank Heaters.

Important features of HERBERT Boiler design and construction are the long fire travel with consequent fuel economy, the double combustion feature which is particularly advantageous for oil burning, the detachable fire-box eliminating expensive alterations and the rugged construction which is in accordance with A.S.M.E. Boiler Code.

Some of the finest buildings in the United States and Canada are heated by HERBERT detachable fire-box boilers because of their ability to make steam efficiently with a minimum of fuel. They are approved by all boiler inspection and insurance companies.

Among other points of superiority are



A-Tubular Boiler.

BB-Steel Water Legs.

C-"X Heavy" Water Tubes.

E-Return Connection.

F-Boiler Stand.

GG-Genuine Wrought

Iron Circulating Pipes.

H-Ashpit.

J-Clean-out Door.

KK-Clean-out Plugs.

L-Smoke Travel.

M-Connection for Blow-off.

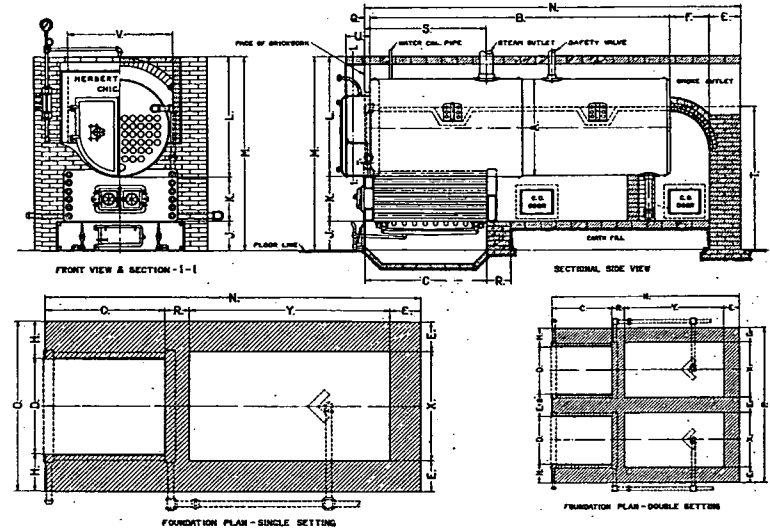
the increased capacity of the tubular by as much as 25 per cent because of the additional fire-box surface.

Every inch is fire surface—the flame passing over the entire shell and back head of the boiler before entering the chimney.

SPECIFICATIONS

A. S. M. E. Code Construction

Number of Boiler	Diameter—Inches	Length—Feet	Size of Fire-box—Inches	Size of Flue—Inches	Number of Flues	Tubular—Inches	Pressure—Pounds per Square Foot	Pressure—Pounds per Square Foot	Weight—Pounds	Height to Top of Water—Inches	Height to Top of Boiler—Inches
C 1	24	4	24x26	3	18	3-2	950	1500	1700	58	62
C 2	24	5	24x26	3	18	3-2	1100	1800	1900	58	62
C 3	24	6	24x26	3	18	3-2	1400	2200	2100	58	62
B 0	30	6	30x32	3	24	4-2	1800	2900	3500	61	68
B 1	30	8	30x32	3	24	4-2 1/4	2200	3700	3800	61	68
B 2 1/2	30	10	30x44	3	24	4-2 1/4	2800	4500	4200	61	68
B 3	36	8	36x44	3	30	4-2 1/4	3600	5800	5000	67	75 1/4
B 4	36	12	36x50	3 1/4	28	5-3	4300	6900	6400	67	75 1/4
B 5	36	14	36x56	3 1/4	28	5-3	5000	8000	8200	67	75 1/4
B 6	42	12	42x50	3 1/4	34	5-3	5400	8600	6800	70	81 1/4
B 7	42	14	42x56	3 1/4	34	6-3	6300	10100	7600	70	81 1/4
B 8	48	12	48x50	3 1/4	42	6-3	6600	10600	8200	73	87 1/4
B 9	48	14	48x56	3 1/4	42	6-3	7600	12300	9300	73	87 1/4
B 10	48	16	48x56	3 1/4	42	7-4	8700	13900	10000	73	87 1/4
B 11	54	12	54x56	3 1/4	54	7-4	8700	13900	11000	79 1/4	96
B 12	54	14	54x62	3 1/4	54	7-4	10000	16000	12600	79 1/4	96
B 13	54	16	54x68	3 1/4	49	7-4	11500	18400	13000	79 1/4	96
B 14	60	14	60x56	3 1/4	64	8-4	12500	20000	14500	86	105 1/4
B 15	60	16	60x62	4	64	8-4	13500	21600	15700	86	105 1/4
B 16	66	16	66x58	4	64	8-4	15800	25300	17900	92	112 1/4
B 17	66	18	66x74	4	64	10-5	17700	28300	19200	92	112 1/4
B 18	72	16	72x58	4	80	10-5	19000	30400	22000	95	118 1/4
B 19	72	18	72x74	4	80	10-5	20600	33600	23500	95	118 1/4



Setting Measurements, Herbert "B" Series Boilers

NUMBER OF BOILER	C-1	C-2	C-3	B-0	B-1	B-2 1/2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13	B-14	B-15	B-16	B-17	B-18	B-19
A Diameter Boiler	24"	24"	24"	30"	30"	30"	30"	30"	30"	30"	30"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
B Length of Boiler	4' 0"	5' 0"	6' 0"	6' 0"	8' 0"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"
C Length of Fire-box	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'	25'
D Width of Fire-box	24"	24"	24"	30"	30"	30"	30"	30"	30"	30"	30"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
E Thickness of Walls	9"	9"	9"	9"	9"	9"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
F Spacing of Bars	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"	14"
G Distance at Front	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"
H Wall Thickness at Ashpit	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
J Height of Ashpit Casting	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"
K Height of Fire-box	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
L Ht. of Boiler Shell & Covering	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
M Height Overall	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"
N Length Overall	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"
O Width Single Setting	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"
P Width Double Setting	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"
R Bridge Wall Thickness	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"
S Stem Outlet from Face of Boiler	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"	20"
T Height of Shell	58"	58"	58"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"	61"
U Smoke Uptake Width	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"	9"
V Smoke Uptake Length	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
X Inside Width	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
Y Inside Length	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"

Proper circulation between the back end of the boiler and the fire-box produces quick steaming. All parts accessible for cleaning with arrangements so that flues can be cleaned without opening fire doors as this is accomplished from the front. Boiler can be set in any position regardless of chimney position.

No bridge wall in fire-box and no fire brick lining to install or replace.

Detachable fire-box feature permits renewal of fire-box without moving tubular boiler or destroying the setting.

Accompanying data gives complete information about HERBERT Detachable Fire-Box Boiler B Series.