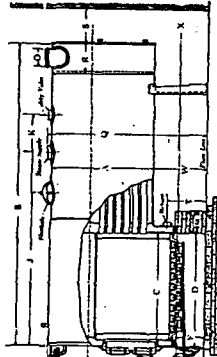
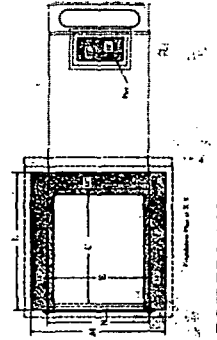


KEWANEE BOILERS PORTABLE TYPE K-UP-DRAFT

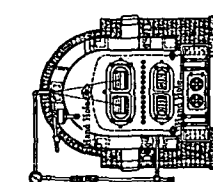
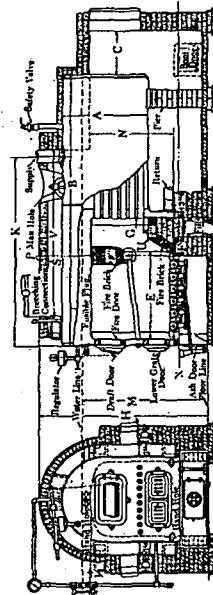


Number of Boiler	0K	1K	2K	3K	4K	5K	6K	8K	9K	10K	11K	12K	13K	14K	15K	16K	17K	18K	19K	20K
Capacity Steam	600	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
Area of Grate	3.7	4.3	5.0	5.7	6.4	7.1	7.8	8.5	9.2	9.9	10.6	11.3	12.0	12.7	13.4	14.1	14.8	15.5	16.2	16.9
Diameter of Boiler	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150
Length of Boiler Over-all	7.9	10.1	12.3	14.5	16.7	18.9	21.1	23.3	25.5	27.7	29.9	32.1	34.3	36.5	38.7	40.9	43.1	45.3	47.5	49.7
Diameter of Stack	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Height of Stack	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Height of Steam Supply	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Height of Water Line	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Size of Return	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12
Size of Safety Valve	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12
C-Length of Grate	26	33	40	47	54	61	68	75	82	89	96	103	110	117	124	131	138	145	152	159
E-Length of Ash-pit	31	39	47	55	63	71	79	87	95	103	111	119	127	135	143	151	159	167	175	183
F-Height of Ash-pit	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	104	109	114
G-Height of Water Line	45	52	59	66	73	80	87	94	101	108	115	122	129	136	143	150	157	164	171	178
H-Height of Boiler	51	59	67	75	83	91	99	107	115	123	131	139	147	155	163	171	179	187	195	203
J-Location of Steam Supply	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192
K-Location of Safety Valve	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192
L-Length of Foundation	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70
M-Width of Center Bolts in Ash-pit Front	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
N-Width of Receding Connection	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
O-Width of Receding Connection	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
P-Height of Steam Supply	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Q-Depth of Smoke Box	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
R-Minimum Space Required at Rear	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
S-Height of Return	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
T-From Line to Bottom of Cylinder	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
U-From Line to Draw Tubes	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
V-From Line to Draw Tubes	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
W-From Line to Draw Tubes	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
X-From Line to Draw Tubes	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Y-From Line to Draw Tubes	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Z-From Line to Draw Tubes	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Number of Common Brick	53	63	73	83	93	103	113	123	133	143	153	163	173	183	193	203	213	223	233	243
Foundations not included																				
Full height back stand furnished with all boilers, no pier, see Letter W.																				

Boilers No. 0K to No. 12K are furnished with cast iron base.

If space is available at front, it is necessary at rear, and vice-versa.

Full height back stand furnished with all boilers, no pier, see Letter W.

KEWANEE SMOKELESS BOILERS—
BRICK-SET TYPE

Type of Steam on Boilers Nos. 113 to 119

Type of Steam on Boilers Nos. 113 to 119

Number of Boiler	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Capacity Steam	1600	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500
Area of Grate	206	243	288	334	380	426	472	518	564	610	656	702	748	794	840	886	932
Diameter of Boiler	59	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150	156
Length of Boiler Over-all	8.7	10.2	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.2	29.7	31.2	32.7
Diameter of Stack	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Height of Stack	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Height of Steam Supply	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Height of Water Line	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Size of Return	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2
Size of Safety Valve	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2
C-Thickness Wall	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
E-Length of Grate	31	37	43	49	55	61	67	73	79	85	91	97	103	109	115	121	127
F-Width of Ash-pit	31	37	43	49	55	61	67	73	79	85	91	97	103	109	115	121	127
G-Grate to Tube Sheet	31	37	43	49	55	61	67	73	79	85	91	97	103	109	115	121	127
H-Header to Bridge Wall	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
K-Location Steam Supply	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
L-Height of Water Line	106	120	134	148	162	176	190	204	218	232	246	260	274	288	302	316	330
M-Height of Steam Supply	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
N-Height of Water Line	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
O-Height of Flue Connection	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
P-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Q-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
R-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
S-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
T-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
U-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
V-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
X-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Y-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Z-From Flue Space	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Number of Common Brick	250	350	450	550	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750	1850
Foundations not included																	