Molby Boiler Company, Incorporated

Subsidiary of The Universal Pipe and Radiator Company

GRAYBAR BUILDING, LEXINGTON AVENUE AT 43rd STREET, NEW YORK

Plant: LANSDALE, PA.

Molby Magazine-Feed Downdraft-Crossdraft Boilers and Heavy Duty Tank Heaters *with adjustable side grate for burning No. 1 Buckwheat Anthracite*

Highest Medal Award of Merit and Diploma: Sesqui-Centennial, Philadelphia, 1926.



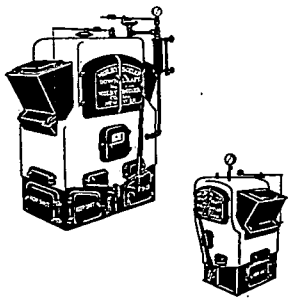
Built throughout in accordance with codes of the *A.S.M.E.* and the *A.S.H.&V.E.*

THE MOLBY is easy to operate, is self feeding, and gives a steady, even heat over long periods with low-priced No. 1 Buckwheat Anthracite. Also burns sized free-burning bituminous with proper chimney draft. Also coke. Magazines need re-filling only once every 12 to 24 hours. Cast iron sectional construction throughout.

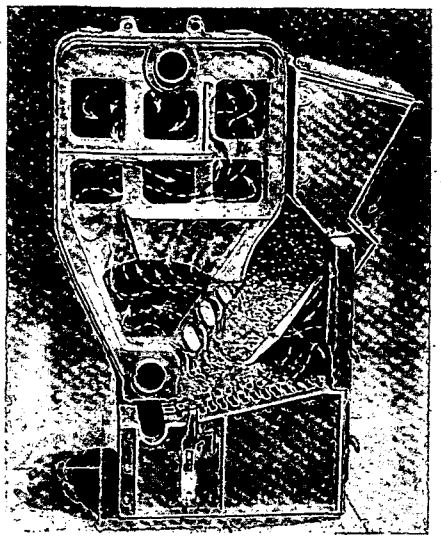
Ratings are based on the assumption that a good grade of No. 1 Buckwheat Anthracite is to be used and that the chimney is of such area, height and tightness as to produce the required draft; also that the boiler, mains and connections shall be covered with an insulating material. These ratings, under the same conditions, may be used for sized soft coal of the free-burning and non-caking variety.

Should larger sizes of good grades of Anthracite be used, a given boiler—other conditions being the same—would burn with equal efficiency, 20 per cent more coal. Thus, when such larger sizes are regularly used, the ratings shown are increased 20 per cent.

The MOLBY will heat home—large apartment house—or commercial building—having a good chimney, just as successfully and just as easily with low-priced small coal as ordinary boilers burning the expensive sizes.



THE cross-sectional views on this and the next page show the construction of the sections and the relative position of the reserve coal in the magazine. Note the downdraft and crossdraft travel of the gases through the fire and into the combustion chamber.



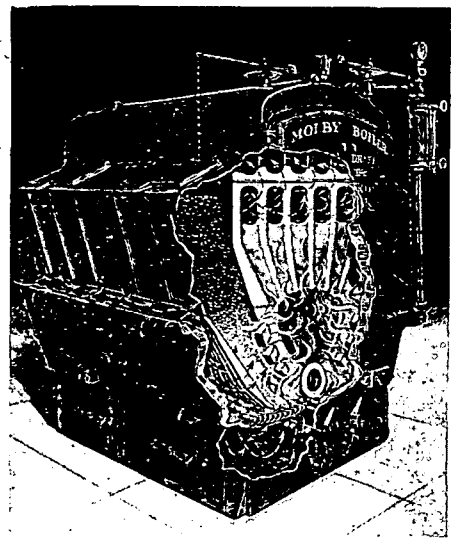
SIZES, CAPACITIES, DIMENSIONS AND PRICES

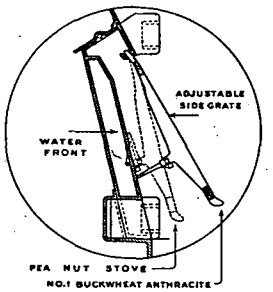
STEAM						STEAM AND WATER							WATER				
						Size—Inches											
Number	Steam Vapor	Water Line	Returns	Steam Rating	List Price	Height	Width	Length	Smoke Pipe	Outlets	Chimney Flue	Approximate Shipping Weight	Number	Water Cipher	Return	Water Rating	List Price
26" Series																	
S-4026	Adageo	48	2-3	500	$ 407.00	54	41	35½	10	2-3	8x12	1890	W-4026	Domo	2-3	850	$379.74
S-5026	Addieo	48	2-3	675	492.14	54	41	42	10	2-3	8x12	2230	W-5026	Doseo	2-3	1125	461.99
S-6026	Admito	48	2-3	850	577.28	54	41	48½	10	2-3	8x12	2580	W-6026	Doffo	2-3	1400	544.22
S-7026	Adzo	48	2-3	1025	662.42	54	41	55	10	2-3	12x12	2950	W-7026	Doveo	2-3	1700	626.46
S-8026	Adelo	48	2-3	1200	747.56	54	41	61½	10	2-3	12x12	3300	W-8026	Docko	2-3	2000	708.69
31" Series																	
S-4031	Bugo	54	2-4	1000	681.45	62½	61	37⅜	14	2-3	8x12	3320	W-4031	Edamo	2-4	1650	658.71
S-5031	Buffo	54	2-4	1350	837.54	62½	61	44	14	2-3	12x12	3820	W-5031	Edgeo	2-4	2250	809.48
S-6031	Bullo	54	2-4	1700	960.99	62½	61	50⅜	14	2-3	12x12	4290	W-6031	Edito	2-4	2850	928.73
S-7031	Buno	54	2-4	2050	1169.58	62½	61	56¾	14	3-3	12x16	4690	W-7031	Edicto	2-4	3425	1130.21
S-8031	Bulbo	54	2-4	2400	1297.29	62½	61	63⅛	14	3-3	12x16	5100	W-8031	Edeno	2-4	4000	1253.57
S-9031	Buoyo	54	2-4	2750	1410.81	62½	61	69½	14	3-3	16x16	5510	W-9031	Educeo	2-4	4575	1363.22
S-10031	Bungo	54	2-4	3100	1524.33	62½	61	75⅞	14	3-3	16x16	5930	W-10031	Eduxo	2-4	5150	1472.87
47" Series																	
S- 5047	Calxo	67½	2-5	2550	1384.82	80	75½	50½	14	2-4	12x16	5990	W-5047	Fluxo	2-5	4250	1338.38
S- 6047	Calfo	67½	2-5	3200	1611.86	80	75½	59	14	2-4	16x16	7150	W-6047	Fledo	2-5	5325	1557.68
S- 7047	Caro	67½	3-5	3850	1838.90	80	75½	67½	16	3-4	16x16	8310	W-7047	Flipo	3-5	6400	1776.98
S- 8047	Carpo	67½	3-5	4500	2065.94	80	75½	76	16	3-4	16x20	9500	W-8047	Flowo	3-5	7500	1996.28
S- 9047	Caseo	67½	3-5	5150	2292.98	80	75½	84½	18	3-4	16x20	10650	W-9047	Flungo	3-5	8575	2215.58
S-10047	Cadio	67½	3-5	5800	2520.02	80	75½	93	18	4-4	20x20	11840	W-10047	Flusho	3-5	9650	2434.88
S-11047	Cabo	67½	3-5	6450	2775.44	80	75½	101½	18	4-4	20x20	13000	W-11047	Flinto	3-5	10725	2681.60
S-12047	Cando	67½	3-5	7100	3002.48	80	75½	110	18	4-4	20x24	14150	W-12047	Flato	3-5	11800	2900.90
S-13047	Camo	67½	3-5	7750	3229.52	80	75½	118½	18	4-4	20x24	15320	W-13047	Fleigo	3-5	12925	3120.20

Note.—In ordering 26 in. boilers state whether you wish same fitted up with right hand or left hand end to the chimney. Length includes Smoke Box.

Equipment.—Each steam boiler is equipped with a full set steam trimmings (26 in. series, 1 pressure regulator; 31 in. and 47 in. series, 2 pressure regulators.)

Water boilers are furnished with two water temperature regulators, except 26 in. series which are equipped with one. A complete set of firing and cleaning tools, together with instruction books for setting up and operation, accompany each boiler.





Side grate easily adjusted for small coal or large coal

LOSS of valuable heat units is impossible because the fuel is added to the *draft side* of the fire.

The air supporting the combustion enters the fire chamber through the *adjustable side grate*, passes through the incandescent fire and is drawn through the water grate with the gases at a flaming temperature. Air and gases mix upon entering the combustion chamber.