Langenberg Manufacturing Co.

Successors to

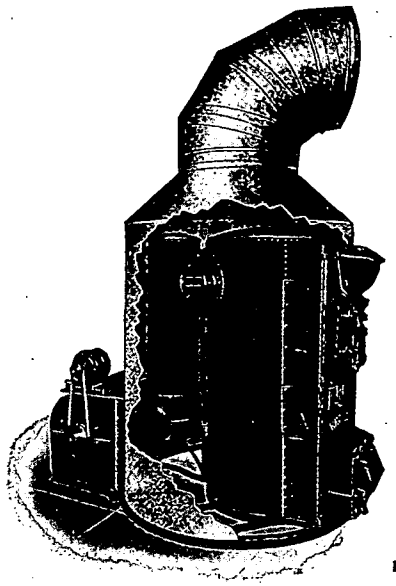
Haynes-Langenberg Mfg. Co.

4549 No. Euclid Ave. :: ST. LOUIS, MO.

FRONT RANK

TRADE NAME REGISTERED

Dealers in all parts of the United States



FRONT RANK UNIT HEATER

Gas tight, dust proof.

Long gas travel insuring low flue temperature.

Correctly designed casings of known capacity.

Separate grates. Burns any fuel.

Large heating surfaces.

Fan constructed to give maximum capacity for energy applied.

Fan allows free air passage when not running.

Slow speed—noiseless in operation.

A unit carefully built to give heat and circulation at a low operating cost.

Easily adapted to home use.

The most efficient way to heat open type buildings such as garages, foundries, machine shops, etc.

DATA ON FRONT RANK UNIT HEATER

No. of Fan Units	Diam. Casing Inches	Diam. Drum Inches	Diam. Fire Pot Inches	Depth Fire Pot Inches	Area of Grate Sq. In.	Diam. of Rad. Inches	Height of Rad. Inches	Height of Drum Inches	Height of Unit Overall With One-Way Outlet	Diam. Smoke Pipe Inches
U-453	45	22	20	15	283	10	35	58	8'	9
U-513	51	26	23	15	380	11	35	59	8'	9
U-573	57	29	26	15	490	13	38	62	8'-9"	10
U-661	66	32	29	19	616	18	41	69	9'-6"	10
U-661-H	66	32	29	19	616	18	58	97	12'	10

Area of Outlet In Sq. In.	Size at Feed Door Openings Inches	Cu. Ft. Air per Minute Fan	Cu. Ft. Air per Minute Gravity Approximately	R. P. M. of Fan	Diam. of Fan Inches	H. P. Required	Approximate Shipping Weight Including Motor Lb.	B.t.u. Guaranteed at 9 lb. per sq. ft. (See Note)
452	12x13½	3500	1400	365	18	½	1350	180,576
616	12x13½	3900	1570	390	18	½	1550	252,396
707	12x13½	4400	1750	314	21	¾	1850	314,640
1018	12x13½	5900	2400	238	24	¾	2150	383,040
1018	12x13½	7000	2600	275	24	1	2250	406,980

NOTE:—When burning Illinois Coal producing about 10,000 B.t.u. as ordinarily burned. Other fuel will give different rating. Unless otherwise specified, furnace will be rated on 9 lb. of coal per sq. ft. of grate when estimated.

Moncrief Furnace Co.

Atlanta, Ga.

Henry Furnace & Foundry Co.

Cleveland, Ohio

MONCRIEF WARM AIR FURNACES

All Cast Top Return Flue



Pot Furnace

SPECIFICATIONS

No. of Furnace	Inside Diameter of Fire Pot Inches	Diameter of Casings Inches	Heating Furnace less Casings Inches	Estimated Heating Capacity Cu. Ft.
Series A				
20A	20	36	48	8–15,000
22A	22	40	49½	15–25,000
24A	24	44	51	25–35,000
27A	27	48	53	40–55,000
Series 500A				
518A	18	36	50½	8–12,000
520A	20	36	52	10–20,000
522A	22	40	52½	20–30,000
524A	24	44	55	30–45,000
527A	27	48	57	45–60,000
530A	30	56	61	55–80,000
Pipeless Series 1500				
			Size of Reg. Face	
1518	18	46	24x28	8–12,000
1520	20	46	24x28	10–20,000
1522	22	50	30x30	20–30,000
1524	24	54	30x36	30–45,000
1527	27	58	36x36	45–60,000

Moncrief No. 500A Series Pipe and Pipeless Furnaces are supplied with auxiliary wood burning grates. Equipment includes water pan, regulator and poker.

Grates are triangular, four in number and practically self-cleaning. Fire pots made in two pieces. Feed Section in one piece. Radiators, two piece, cast with smoke and cleanout collars, cast as part of radiator—not bolted on.

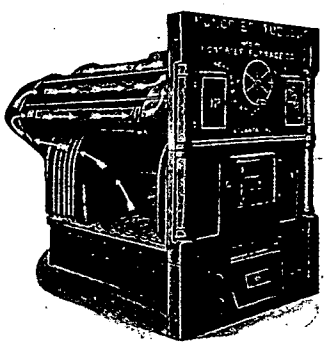
MONCRIEF INDUSTRIAL TUBULAR FURNACE

Cast Iron Construction

A heat generator of high efficiency for heating churches, schools and industrial plants with the fan blast system.

Weight 5000 lb., grate surface 7 sq. ft. Sq. ft. radiating surface 320. B.t.u. per hour capacity 780,000.

Installed singly or in batteries with steel or brick casing. Adapted for coal or oil burning.



Moncrief Industrial Tubular Furnace