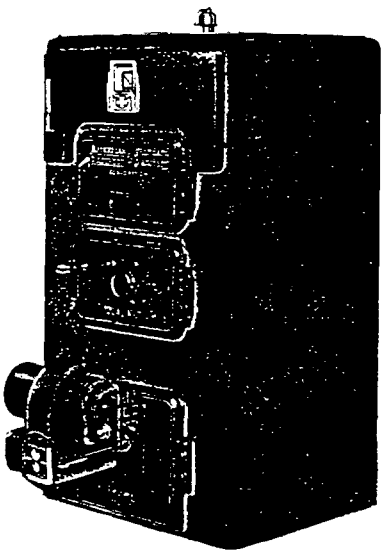
No. 7 IDEAL ARCOFLAME HEATING UNIT

AUTOMATIC OIL HEAT—YEAR-'ROUND HOT WATER



In a single compact unit, the Arcoflame Heating Unit No. 7 provides, at budget cost, all the advantages of oil heating, plus year-'round domestic hot water if desired. Both the boiler and burner are scientifically designed to burn oil at its highest efficiency, thus assuring perfect team-work in providing maximum heat with least fuel consumption.

When specified, the Arcoflame Heating Unit includes a Bilt-in TACO Heater, which, in conjunction with the TACO-ABBOTT System, supplies domestic hot water both winter and summer.

IDEAL HEAT LIB-O-RATOR

A factory molded combustion chamber available at slight extra cost. Eliminates need for ordinary fire-brick and saves time and labor. Designed especially for No. 7 and No. 11 Ideal Arcoflame Heating Units. The Heat Lib-O-Rator literally wrings all the heat from combustion and directs it to the heating surfaces of the boiler where it does the most good. It assures more economical heat—less waste up the chimney. It pays to use the Heat Lib-O-Rator on all installations.

RATINGS AND DATA

Model No.		Transmission Rate 4,250 BTU/Sq. Ft.			Heating Surface Sq. Ft.	Firebox Dimensions				Chimney	
		° Installed Radiation Sq. Ft. EDR		† Minimum Burner Capacity Lbs. Oil/hr.		Width Inches		Height, Inches Floor to Crown Sheet of Boiler	Lgth. Inches		
Boiler	Burner	Steam	Water			At Grate Line	9" Above Grate Line			Size Inches	Height Feet
S or W-715-OB	CF-7	320	515	8.0	26.3	18	18	32¼	14⅛	8x8	30
S or W-719-OB	CF-7	380	610	9.5	31.5	18	18	32¼	18⅞	8x8	30
S or W-723-OB	CF-7	440	705	10.5	35.7	18	18	32¼	21⅝	8x8	30
S or W-727-OB	CF-7	500	800	12.0	40.9	18	18	32¼	25⅞	8x12	30
S or W-731-OB	CF-7	560	895	13.5	45.1	18	18	32¼	29⅛	8x12	30
S or W-735-OB	CF-7	620	990	14.5	50.3	18	18	32¼	32⅞	8x12	35
S or W-739-OB	CF-7	680	1,085	16.0	54.5	18	18	32¼	35⅛	8x12	35

† Based on oil of 19,700 B.t.u./lb.

° Installed radiation capacities are based on net installed radiation and on the presence of a quantity of net installed radiation sufficient for the requirements of the building. Nothing need be added for normal piping and pick-up.

When Bilt-in TACO Heater is installed, add one square foot per gallon of tank capacity to installed radiation on steam boilers and two square feet per gallon of tank capacity on water boilers before selecting boiler size.

PLAINTIFF'S EXHIBIT

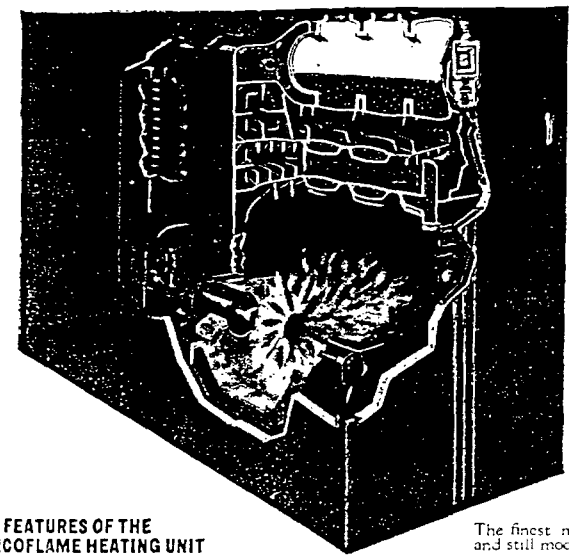
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No. 11 IDEAL ARCOFLAME HEATING UNIT

AUTOMATIC OIL HEAT—YEAR-ROUND HOT WATER



SPECIAL FEATURES OF THE No. 11 ARCOFLAME HEATING UNIT

The finest money can buy and still moderately priced

Bilt-in Taco Heater for summer and winter hot water supply, with Taco-Abbott System, when specified.

Specially designed finned surfaces collect extra heat from hot gases

Arcoflame Oil Burner concealed inside jacket.

Jacket finished in Arco green baked enamel

Heavy, indestructible, corrugated air cell asbestos insulation prevents heat waste.

Machine-ground section contacts prevent short-circuiting of gases, infiltration of air, and escape of odors.

Flame scientifically proportioned to combustion chamber for maximum economy and quick heating

Front panel of modern design with chromium stripes. Easily removable for access to boiler.

Pyrex sight glass.

Chromium handles for convenience in removing front jacket panel.

Combination pressure and vacuum gauge on steam boilers; altitude gauge and thermometer on hot water boilers, combined with name plate and framed in chromium.

Especially large steam releasing area and steam dome insure dry steam at entrance to piping

Especially large connections (7-inch nipple) between boiler sections insure rapid circulation of boiler water, eliminate clumsy outside manifold piping for domestic hot water

RATINGS AND DATA

Model No		Transmission Rate 4,500 BTU/Sq. Ft.			Heating Surface Sq. Ft.	Firebox Dimensions				Chimney	
		†Installed Radiation Sq. Ft. EDR		*Minimum Burner Capacity Lbs. Oil/hr.		Width, Inches		Height, Inches Floor to Crown Sheet of Boiler	Lgth. Inches		
Boiler	Burner	Steam	Water			At Grate Line	9" Above Grate Line			Size Inches	Height Feet
S or W-0411-B	CF-112	355	570	8.5	27.3	18	18	32¼	14⅛	8x8	30
S or W-0511-B	CF-112	435	695	10.3	33.4	18	18	32¼	18⅞	8x8	30
S or W-0611-B	CF-112	515	825	12.1	39.6	18	18	32¼	21⅝	8x8	30
S or W-0711-B	CF-112	595	950	13.5	45.7	18	18	32¼	25⅞	8x12	35
S or W-0511-B	CF-112	675	1,080	14.9	51.8	18	18	32¼	29⅛	8x12	35
S or W-0911-B	CF-112	755	1,205	16.3	58.0	18	18	32¼	32⅞	8x12	35

* Based on oil of 19,700 B.t.u./lb

† Capacities are based on net installed radiation and on the presence of a quantity of net installed radiation sufficient for the requirements of the building. Nothing need be added for normal piping and pick-up.

When Bilt-in Taco Heater is installed, add one square foot per gallon of tank capacity to installed radiation on steam boilers and two square feet per gallon of tank capacity on water boilers before selecting boiler size. When Bilt-in Tankless Taco Heater is installed, add fifty square feet steam radiation per bathroom or eighty square feet water radiation per bathroom to installed radiation before selecting boiler size.

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IDEAL



Ideal Arcoflame Heating Unit No. 11

AMERICAN
HEATING EQUIPMENT
COSTS NO MORE THAN OTHERS

OIL BURNERS
OIL HEATING UNITS

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OIL BURNERS
OIL HEATING UNITS



Ideal Arcoflame
Heating Unit No. 7

Arcoflame
Oil Burner



AMERICAN
HEATING EQUIPMENT
COSTS NO MORE THAN OTHERS

IDEAL