

Ballard Oil Equipment Co.

Oil Burning Engineers and Contractors

NEW YORK

PHILADELPHIA

NEWARK

Factory Office

124 Branford Place, Newark, N.J.

And Agencies Throughout the United States

The Ballard Oil Equipment Company offers a complete line of oil burning equipment for industrial and domestic installation. Its organization centers about its engineering service and its long experience in the field. To the architect, heating engineer and contractor this service is available in the form of expert engineering advice and the sale and installation of equipment which is perfectly adapted to the requirements of the individual job.



Installation of Ballard Type H Rotary Mechanical Burners in two 150-H. P. Simplex Boilers

EQUIPMENT—

Owing to the many factors determining the suitability of an oil burning system to the requirements of a specific installation the various types of BALLARD burners differ widely in principle and characteristics, though they overlap generously in rating. We will gladly furnish full catalog data upon request, but where such is desired as data for a specific installation it would be well to furnish particulars sufficient to enable us to make a definite recommendation.

BALLARD equipment includes high pressure mechanical burners and steam atomizing burners for high pressure plants; the BALLARD Type H rotary mechanical burner for fuel of 12 to 16 deg. Baumé for use in low pressure heating plants of the larger class, the BALLARD Type H pump type burner for fuel of 19 deg. Baumé or higher for similar service where it is impractical to use the heavier fuel; the BALLARD Type A automatic oil burner for large residential and semi-industrial use, and automatic residence burners.

The Ballard Oil Equipment Company is also in a position to make special application of oil burning to industrial uses apart from heating and power.

Hardinge Brothers, Inc.

Factory
Branches:
CHICAGO
549 N. Michigan Ave.
BOSTON
843 Beacon Street

"The Oil Burner with a Ten-Year Guarantee"

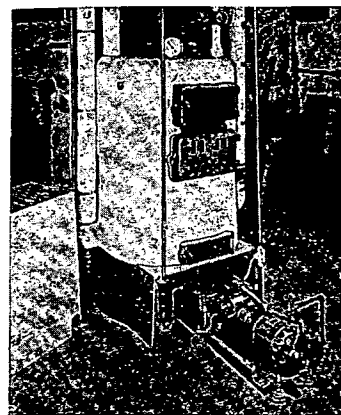
Main Office and Factory

4149 Ravenswood Avenue

Chicago, Ill.

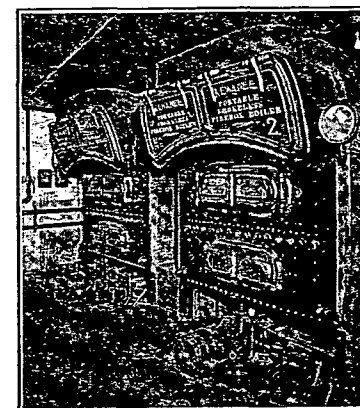
Branches and
Dealers in
Principal Cities
throughout the
United States

Manufacturers of HARDINGE Domestic and Industrial Oil Heating Equipment, Cataract Precision Lathes, Watchmakers and Opticians Tools and Supplies



Features:—

- 1—Mechanical Centrifugal Atomization without the use of fans, blowers, compressors or steam.
- 2—Applies heat at grate level, scrubbing insulating gases from water legs.
- 3—It is a self contained unit independent of the Combustion Chamber and not attached to the boiler in any way.
- 4—Burns automatically any commercial fuel oil available between 28 and 40 deg. A.P.I. Burns manually fuel oil between 18 and 40 deg. A.P.I.
- 5—Fuel Feeding Valve *self cleaning* in its operation.
- 6—Motor—Standard, horizontal, constant speed (1750 r.p.m.) motor operating under normal temperature conditions.
- 7—Approved by the National Board of Fire Underwriters; Tested and Approved by the New York City Board of Standards and Appeals.
- 8—Tested over a period of ten years by the ultimate judge of Oil Heat—the User Public who also approve.



Hardinge Brothers, Inc., manufacture a range of Oil Heating Equipment adaptable to Heating the Boiler with steam radiation loads of 500 to 25,000 sq. ft. per unit. It has been the aim of this organization not just to put another Oil Burner on the market, but to build into the HARDINGE the finest that material, workmanship, sound design, ample capital and more than one-third century of Precision experience could build. Architects, Heating Engineers and Contractors should feel free to call upon our Engineering Department for information of any kind on Oil Heating problems anywhere.

SEE OUR CATALOGUE IN SWEETS

Ratings			HARDINGE ATOMIZER-SIZES		Ratings		
Atomizers Diam. Inches	Capacity in Sq. Ft. Steam Load	Motor H. P.			Atomizers Diam. Inches	Capacity in Sq. Ft. Steam Load	Motor H. P.
3	500	1/4			6	4800	1/2
3 1/2	800	1/4			6 1/2	5500	3/4
4	1200	1/4			7	6500	3/4
4 1/2	2000	1/4			8	10,000	1
5	3000	3/8			9	15,000	1 1/2
5 1/2	3800	3/8			10	25,000	1 1/2

"FROM BUNGALOW TO SKYSCRAPER"