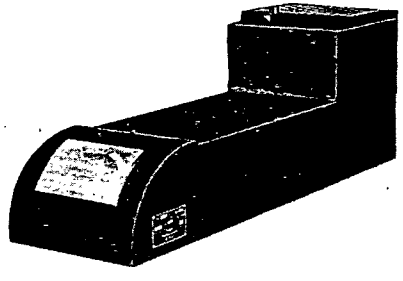
Sonner Burner Company

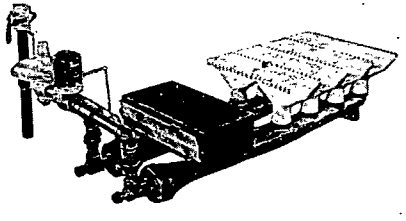
Designers and Manufacturers of Gas Conversion Burners

Offices and Factories: **Winfield, Kansas**

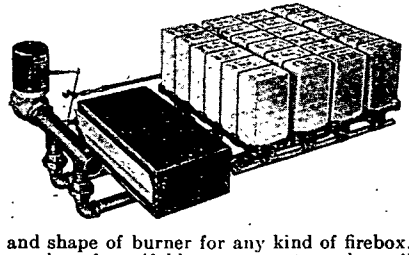
Sonner Gas Conversion Burners are a product of a quarter century of specialization in the design and manufacture of efficient, quiet, economical, easily installed gas conversion units. Their efficiency ratings in service tests often equal or even excel those of gas designed equipment, and their sturdy, heavy-duty construction assures safe, efficient service with a minimum of attention or care over a long term of years. Many Sonner installations made 20 years or more ago are still in daily use. A wide range of flexible designs provides a Sonner Burner that will yield maximum efficiency and satisfaction in all kinds of service—domestic, commercial or industrial—in any type of heating plant or boiler, large or small. Realistic consideration of installation needs is inherent in all Sonner designs, so that correct installation can be completed in the shortest possible time, with minimum alteration of the existing plant. Sonner Engineering Service is available for advice at all times.



TYPE L-49 HEAT MACHINE is designed specifically for the efficient conversion of residential heating plants to gas. It is engineered for easy installation and neat appearance, being especially suitable for use in basements or exposed locations used as living or recreation quarters. The burner is completely automatic and is listed in *AGA* Directory of approved appliances. This heat machine is available in two sizes with capacities ranging from 75,000 to 300,000 Btu per hour. Catalog 49-L-2R.



TYPE LV SONNER BURNER affords high efficiency in large heating and power boilers, combined with ability to handle a wide range of fuels, from manufactured, mixed and natural gases to liquefied petroleum gases. The most desirable flame characteristics for any fuel are easily maintained by an air shutter and orifice needle, adjustable from outside the boiler. Narrow, deep-slotted ports provide "flashback" resistance and excellent secondary air application. Standard assemblies from 320,000 to 7,200,000 Btu per hour are described in Cat. 49-LV-1. Special assemblies are also available if required.



TYPE D SONNER BURNER offers complete flexibility for all types and sizes of boilers and plants, residential to very large commercial. It features the exclusive "Reverse Flow" Burner Unit, which yields highly efficient, practically silent combustion and great operating economy. Type "D" Burner Units can be readily manifolded into exactly the correct size and shape of burner for any kind of firebox. This is accomplished by an unlimited number of manifold arrangements made available by using singly or in combination the 31 standard single gas supply manifolds. For details see Cat. 49-D-1.

Send for the Sonner Catalogs covering complete lines today.

The Webster Engineering Company

115 South Frisco St., P.O. Box 2168

Tulsa, Oklahoma

Division of

SURFACE COMBUSTION CORPORATION, TOLEDO, OHIO

FOR STEEL FIREBOX, SECTIONAL, WATER TUBE and HRT BOILERS

SERIES F600

Low Pressure Gas

This is an outstanding vertical atmospheric venturi gas burner, with the radiant refractory top that utilizes straight natural gas and mixed gas to 800 Btu at pressures from 2"w.c. to 8 ounces. Series F600 Burner Assemblies are available with ratings from 50,000 to 10,000,000 Btu/hr for firing all types of steel firebox and sectional boilers.

SERIES 200

Intermediate Pressure Gas

with Combination Oil.

The Series 200 Webster Radiant Combination Gas and Oil Burner is a straight atmospheric horizontal firing assembly that makes it possible to utilize natural, mixed or manufactured gas in combination with all types of fuel oil.

Recommended for application to refractory furnaces, it is designed for firing Water Tube and HRT boilers when oil fuel is used over extended periods and a gas pressure of at least 1 lb is available.

SERIES 1

Low Pressure Gas

and Standby Oil.

It is a 100 per cent secondary air-horizontal firing, multi-jet burner that operates equally well with natural, mixed or manufactured gas. It is suitable for firing Water Tube and HRT boilers and, should design conditions prevent the use of a vertical burner such as Series F600 or Series 650 or the KINETIC burner, the Series 1 will prove very acceptable for firing steel firebox and sectional boilers when combustion space is not limited.

KINETIC

Low Pressure Gas

and Standby Oil.

Consisting of a multiplicity of full venturi mixers with flame retention nozzles assembled in a metal casing complete with pilot and louvre, the KINETIC burner is presented as the latest addition to the Webster line of firing equipment. It may be used with natural, mixed and liquefied petroleum gases.

Being a multiple head assembly, the Kinetic burner can be supplied in any size or shape. The firing of Scotch Marine boilers with extremely low pressure gas without noise, vibration or electrical power and with minimum furnace draft was the sole objective when the Kinetic burner was developed. When design conditions preclude the use of a vertical burner in a steel firebox or sectional boiler, the Kinetic burner is highly recommended as the next best gas application.