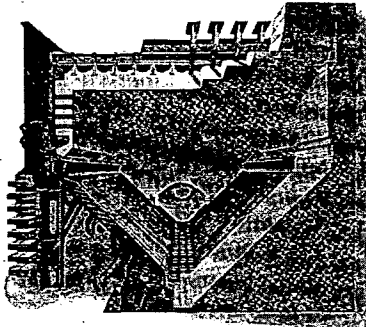


Stokers

Detroit Stoker Company

Underfeed Forced Draft and Overfeed Natural Draft Stokers
369 General Motors Bldg. Detroit, Michigan



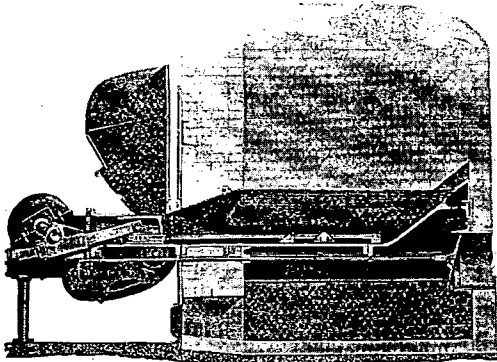
"V" Type—Rear View

Detroit "V" Type Natural Draft Stokers for boilers from 50 up to 600 H. P. Successfully burns all grades of bituminous coal, wet tan bark, wood refuse, etc. Widely used in heating, hundreds being installed in schools, public and office buildings, large apartments, hotels, etc.; insuring complete combustion and eliminating smoke. Either sprung arch or flat suspended arch may be used. Detrick Flat Suspended Arches as sold by Detroit Stoker Company provide greater furnace volume.

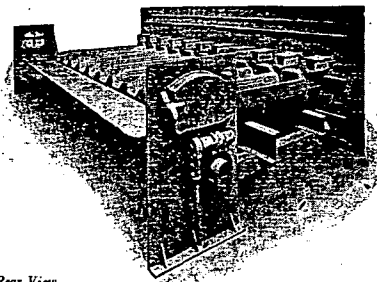
First cost of installation of Detroit "V" Type Stokers is very low because no forced draft equipment is needed and no basement required for ash removal. Requires little power for operation. Can be used with low pressure boilers. Fires can be banked over night and keep sufficient heat on heating system over Sundays. Substantially built to withstand hard usage. Maintenance cost low. Ask for Bulletin 369.

Detroit Single Retort Forced Draft Underfeed Stokers "Cut the Cost of Producing Steam." Designed to serve boilers up to 250 or 300 H. P. Many installed burning Illinois, Indiana and all Eastern coals successfully. Widely used in all sections where bituminous coal is burned.

Outstanding features are: mechanically driven, adjustable rams, positive control of the movement of the fuel; no moving parts in the fire; low maintenance cost; side dumps for cleaning fires; refuse quenched in ash pits and removed through ash doors; installation cost unusually low; operates on low pressure if desired. Ask for Bulletin 269.



Single Retort Longitudinal View



Rear View
Detroit Multiple
Retort Stoker

Detroit Multiple Retort Underfeed Stokers are built in large sizes for heavy duty work and under boilers ranging from 300 H. P. and up to the very largest units. Widely used in high schools, offices and other large buildings with heavy heating load.

The outstanding feature of the Detroit Multiple Retort Stoker is the level fuel bed in conjunction with a variable control of the fuel movement by means of a separate and independent adjustment to each retort; no avalanching of the fuel to the dumps, and bridgwall clinker formation is eliminated.

Burns Illinois, Indiana, and all eastern Bituminous Coals with high efficiency. Ask for Bulletin 169.

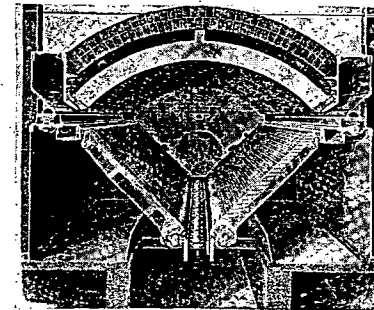
Stokers and Automatic Furnaces

RILEY STOKER CORPORATION

"RILEY" Underfeed Stokers "JONES" Underfeed Stokers "HARRINGTON" Traveling Grate Stokers
"MURPHY" Automatic Furnaces Pulverized Coal Installations

9 Neponset Street, WORCESTER, MASS., U. S. A.
BOSTON CINCINNATI NEW YORK CHICAGO PHILADELPHIA ST. PAUL PITTSBURGH KANSAS CITY BUFFALO DENVER CLEVELAND CHARLOTTE DETROIT DALLAS
Riley Engineering and Supply Co., Ltd., Toronto

As makers of Riley and Jones Underfeed Stokers, Harrington Traveling Grate Stokers and Murphy Automatic Furnaces, we are able to offer a type suitable for all kinds and sizes of boilers from 50 H. P. up, burning all grades of coal. Each of these stokers is fully described and illustrated in a separate catalog which we will gladly send on request.



Murphy Automatic Furnace

MURPHY AUTOMATIC FURNACE

The Murphy Automatic Furnace is of the overfeed, natural draft type and is particularly adapted for use in office buildings, hotels and schools. It saves 15 to 25 per cent over hand-fired methods, it saves labor, it is smokeless in operation, it does not emit gases to circulate up through the building. All ash and refuse are removed automatically. This means a clean fire and high efficiency at all times. The Murphy Furnace does away with the necessity of opening furnace doors and thereby eliminates the admission of cold air. The coal supply for the furnace is under absolute control and automatic regulation. It is a natural draft furnace and requires no fan or blower equipment.

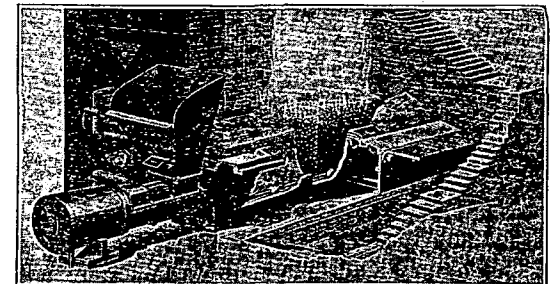
Installations

A few representative installations using our stoker equipment in office buildings, hotels and schools:

Hamm Building, St. Paul, Minn.
Cleveland Public Library, Cleveland, Ohio.
State Office Bldg., Lansing, Mich.
76 Schools, Detroit.
33 Schools, Cleveland.
11 Schools, Buffalo.
Book-Cadillac Hotel, Detroit.
Hotel Syracuse, Syracuse, N. Y.
New Willard Hotel, Washington, D. C.
Wade Park Manor, Cleveland, Ohio.
Business Men's Club, Cincinnati, Ohio.
Highland Hospital, Rochester, N. Y.

JONES "SIDE DUMP" STOKER

The Jones Side Dump Stoker is of the forced draft, underfeed type and is very widely used for both heating and power loads in all types of buildings throughout the country. It is of the side cleaning type, ashes being dropped into a shallow ashpit, permitting easy removal. Only slight excavation is required for the two shallow ashpits, therefore the installation cost is low. This stoker gives high efficiency and responds very quickly to load demands. Has a fuel burning capacity of 1200 to 1800 lbs. of coal per hour. This stoker is made in steam driven type and also mechanically driven type.



Jones "Side Dump" Stoker