

What has caused this tremendous swing to Riley Traveling Grate Spreader Stokers

As more and more Riley Traveling Grate Spreader Stokers have been placed in operation Riley Spreader Stokers are being selected by greater and greater numbers of the country's leading public utility and industrial plants—to such an extent that Riley sales in 1952 were more than four times 1950 sales and fifty per cent greater than in 1951 though total boiler and stoker industry sales were appreciably lower.

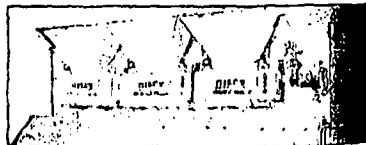
We believe the fundamental reason for this tremendous swing to Riley is that news of the excellent results and satisfactory performance of Riley Spreader Stokers has traveled rapidly from plant to plant. Such satisfactory performance is largely due to design characteristics and the vast experience of Riley in the stoker field.



Minnesota Power Co. Co., St. Paul, Minn., the first and largest, North Dakota's first Riley Traveling Grate Spreader Stoker.



THE GRATE SURFACE The grate surface is made up of small clips, two inches wide by six inch pitch, mounted on structural T bars. The use of small grate clips eliminates warping and cracking and assures low maintenance and long life by providing adequate cooling. Clips are of nickel-chrome alloy to minimize galling. A level grate surface and uniform air distribution results.



THE FEEDER-DISTRIBUTOR The feeder is designed to give uniform positive feed regardless of coal characteristics and moisture. Avalanching with fine coal does not occur. The overloading distributor gives uniform longitudinal and lateral distribution and prevents damage and outage caused by wedging of large materials between distributor and housing.



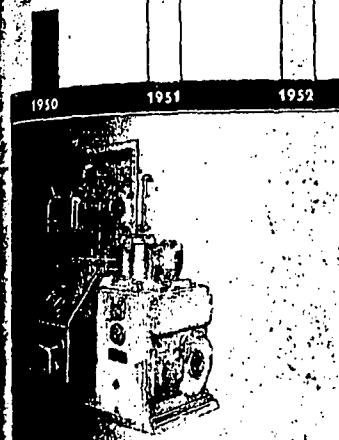
RILEY

STOKER CORPORATION, WORCESTER, MASS.

Boston New York Philadelphia Washington St. Louis Pittsburgh Cleveland Detroit Chicago
Cincinnati Charlotte Denver Salt Lake City Los Angeles Portland Seattle

BOILERS • PULVERIZERS • BURNERS • STOKERS • SUPERHEATERS • ECONOMIZERS

Comparative Sales of Riley Traveling Grate Spreader Stoker for 1950-1951-1952



THE GRATE DRIVE The Riley grate drive is a hydraulically driven ratchet drive, completely enclosed and automatically lubricated. This simple rugged drive operates with practically no maintenance and is not susceptible to damage in case of grate obstruction. No sprockets, chains or speed reducers are required.

BACKED BY OVER 30 YEARS OF EXPERIENCE There are over 30 years of stoker designing and manufacturing experience back of the Riley Traveling Grate Spreader Stoker, dating back to the two first successful makes of stoker—the Murphy Furnace and the Jones Underfeed Stoker. Riley has been manufacturing traveling grate stokers for over 30 years.

We believe it will pay you to visit some installations before purchasing traveling grate spreader stokers.

A survey of your Power Plant by a consulting engineer will possibly show ways of making surprisingly large savings in your power costs:

COMPLETE STEAM GENERATING UNITS

WATER-COOLED FURNACES • STEEL-CLAD INSULATED SETTINGS • AIR HEATERS

...it will pay you to visit modern Riley installations before purchasing Boiler or Fuel Burning Equipment

All of these Companies have ordered Riley Traveling Grate Spreader Stokers

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| MONTANA-DAKOTA UTILITIES
Mandan, North Dakota | PENNSYLVANIA ELECTRIC COMPANY
Scranton, Pennsylvania—three orders |
| UPPER PENNSYLVANIA POWER CO.
Houghton, Michigan | OHIO ESDON COMPANY
Youngstown, Ohio |
| BANDER AVIATION CORP.
South Bend, Indiana | OVERTAIL POWER COMPANY
Crookston, Minnesota |
| HAWAIIAN COMMERCIAL & SUGAR CO.
Maui, Hawaii | CHAMPTON PAPER & PINE COMPANY
Canton, North Carolina |
| GENERAL MOTORS CORP.
Saginaw STEERING GRATE DIV.
Saginaw, Michigan | CENTRAL ILLINOIS LIGHT COMPANY
Springfield, Illinois |
| WHITE PINE COOPER CO.
White Pine, Michigan | MONTGOMERY CHEMICAL COMPANY
Springfield, Massachusetts |
| ELECTRICAL DE BOGOTA
Bogota, Colombia | GENERAL ELECTRIC COMPANY
Lansdale, Kentucky |
| OHIO ESDON CO.
Youngstown, Ohio | DAYTON COASTLINE COMPANY
Dayton, Louisiana |
| CITY OF FAIRBURNVILLE
Fairbourn, Ohio | JOHN DEERE & COMPANY
Atledo, Iowa |
| CARRIS & CARSON CHEMICAL COMPANY
Whiting, Indiana | SWIFT & COMPANY
Charlotte, North Carolina |
| OHIO ESDON COMPANY
Springfield, Ohio—two orders | BROWN-LEP-CHAPPEL DIV.
GENERAL MOTORS COMPANY
Elyria, Ohio |
| IOWA-ILLINOIS GAS & ELECTRIC COMPANY
Iowa City, Iowa | U. S. STEEL COMPANY
Oakfield, New York |
| CELLARIES CORP. OF AMERICA
Hagerstown, Virginia | STOKELY FOODS
Indianapolis, Indiana |
| CLIFFS POWER & LIGHT COMPANY
Ipsden, Michigan | CATALYTIC CONSTRUCTION COMPANY
Pittsford, Ohio |
| IOWA PUBLIC SERVICE COMPANY
Carroll, Iowa | BARONAGE ELECTRIC COMPANY
Springfield, Ohio |
| KENNEDY COPPER COMPANY
McGill, Nevada | UNIVERSITY OF MINNESOTA
Minneapolis, Minnesota |
| GENERAL ELECTRIC COMPANY
Richland, Washington | ROCHESTER MUNICIPAL PLANT
Rochester, Minnesota |
| CHARLOCK PACKING COMPANY
Palmyra, New York | CITY OF HANCOCK
Hancock, Ohio |
| SWIFT & COMPANY
Baltimore, Maryland | COHEN SELF POWER CO-OP.
Humboldt, Iowa |
| E. I. DUPONT DE NEMOURS & CO.
Savannah River Project, South Carolina | U. S. AIR FORCE BASE
Lima, Peru |
| KALISER PRATER COMPANY
Willow Run, Michigan | CITY OF AMES
Ames, Iowa |
| B. F. GOODRICH COMPANY
Akron, Ohio | ALABAMA ELECTRIC CO-OP.
Andalus, Alabama |
| UTAH-IDAHO SUGAR COMPANY
Washington | MINNESOTA POWER COOPERATIVE, INC.
Grand Forks, North Dakota |
| ARMSTRONG CORP. COMPANY
Lancaster, Pennsylvania | SPOKANE WATER WORKS
Spokane, Washington |