Detroit Stoker Company

Sales and Engineering Offices
General Motors Bldg., Detroit, Mich.

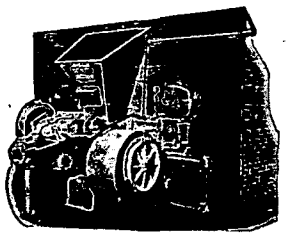
Main Offices and Works at
Monroe, Mich.

Since 1898

District Offices in
Principal Cities

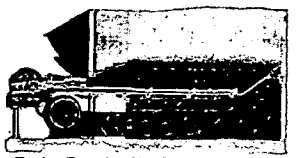
Built in
Canada at London, Ont.

Detroit Stokers are unsurpassed for economy and dependability. The complete line includes both Underfeed and Overfeed Stokers of many sizes and capacities for all types of boilers, 30 Horse Power and upwards. All grades of Bituminous Coal are burned successfully. Operating costs are low. Detroit Stokers are of substantial heavy duty design, representing over 40 years' experience in Stoker manufacture exclusively. Materials of the highest quality are used. All Detroit Stokers erected and tested at the works and installed under the direction of experienced erection superintendents. Catalogs of various types will be furnished on request. Write Detroit Stoker Company, Detroit, Michigan, or district offices in principal cities.

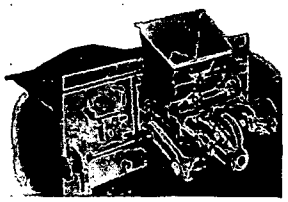


Detroit UniStoker with Detroit Adjustable Feed provides a wide range of coal feed control.

Detroit UniStoker with Detroit Adjustable Feed (Coal Feed Control) insures accurate fuel and air supply for best economy. Single Retort, Side Cleaning, for boilers approximately 125 to 250 horsepower.

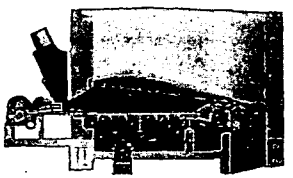


Each Detroit UniStoker with its motor or steam-turbine driven full-housed blower is an independent unit, self-contained.

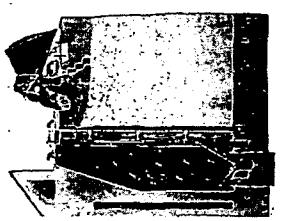


Detroit Double Retort Stoker, a multiple retort side cleaning stoker for medium size boilers.

Detroit Double Retort Stoker, a Multiple Retort Stoker having two retorts with the side cleaning feature. For medium sized boilers having wide furnaces. Used to advantage where limited space conditions prevent the use of the rear cleaning Multiple Retort Stoker.

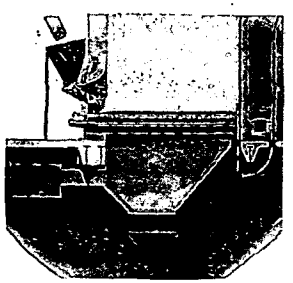


Detroit Multiple Retort Stoker for large boilers and high capacities. An inclined fuel bed Stoker, possessing all outstanding modern features.



Detroit RotoStoker. (Stationary Grate Type). Ash removed through doors at grate level successfully burns a wide range of fuels.

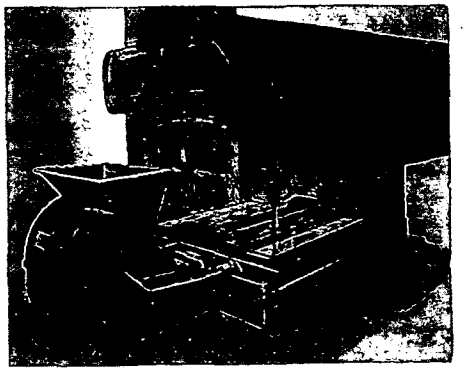
Detroit Roto-Stokers are Overfeed Spreader Type Stokers, having an *Overthrow Rotor* action, which insures uniform fuel distribution over the entire area. Offers advantages over other firing methods for burning inferior fuels and efficiently handling extremely fluctuating loads.



Detroit RotoStoker (Dumping Grate Type) (Either Power or Hand Operated) for large boilers. Particularly suited to fluctuating loads.

DETROIT LOSTOKER

Detroit LoStoker is a complete mechanical firing unit in many grate area sizes and capacities for application to all types of boilers from approximately 30 to 150 hp. Burns various grades of Bituminous Coal with high efficiency. Fuel is fed only when needed—none wasted. Single Retort, Side Cleaning, Adjustable Plunger Feed Type, mechanically driven from electric motor, requires little power for operation. Automatically controlled from steam pressure water temperature room thermostat, compact, easily installed, responsive and automatic. A great coal saver.



Detroit LoStoker readily applied to Firebox Boilers—built to fit the Furnace or Firebox. Coal Hopper with Agitator designed to clear Boiler Doors. Plunger Feed-side cleaning feature eliminates arduous hand cleaning of fires and corresponding losses.

DETROIT LOSTOKER ADVANTAGES:

Continuous Adjustable Plunger Feed with control of the quantity of coal fed and its distribution.

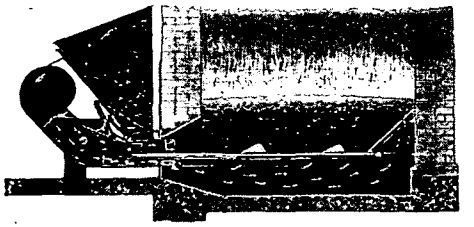
Heavy Mechanical Drive of simple design, requires little power.

Side Cleaning with dumping grates, ashes removed through doors provided in the Stoker front. No hand cleaning.

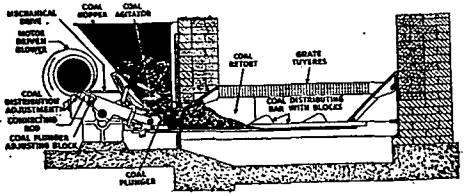
Agitator in coal hopper for continuous coal feed, cannot stick or jam with wet coal.

Automatically Controlled. Motor or steam turbine driven, controlled from steam pressure, water temperature or thermostat.

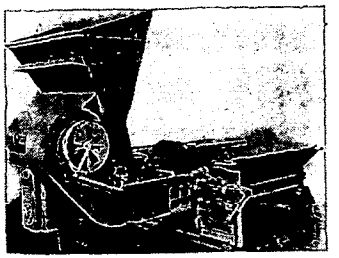
Many grate area sizes and capacities to fit the furnace and provide the proper grate area to readily handle heavy loads and also to operate efficiently under light load conditions.



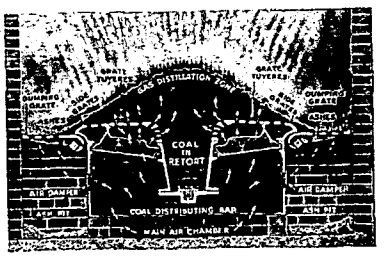
Detroit LoStoker (Side elevation in brick setting)



Detroit LoStoker side elevation showing adjustable plunger feed.



Detroit LoStoker with hydraulic drive may be either brickset or firebox type as above. Drive has many advanced features, that provide a wide range of coal feeds and requires little power for operation.



Front Elevation of Detroit LoStoker (brickset type) built to fit the furnace. For use with horizontal tubular, firebox boilers on brick foundations or water tube boilers. Arrows indicate flow of air to all parts of the fuel bed.