Combustion Engineering Company, Inc.

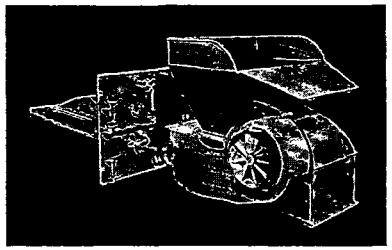
All Types Fire and Water-Tube Boilers
Pulverized Fuel Systems

Complete Steam Generating Units
Mechanical Stokers

200 Madison Avenue, **New York, N. Y.**

Canadian Associate: COMBUSTION ENGINEERING CORP., LTD., MONTREAL

CE-SKELLY STOKER UNIT



The CE-Skelly stoker is designed for installation under boilers ranging from small heating units to power boilers developing up to 400 hp.

Summary of Features

A Self-Contained Unit—Hopper, fuel feeding and distributing mechanism, grate, windbox, driving mechanism and forced-draft fan are combined in a compact unit.

Hopper—Made of rust- and corrosion-resisting metal. Non-clogging and easily removable. Does not interfere with access to furnace doors. Located at convenient height for filling with shovel.

Coal Feed—Screw conveyor, located entirely outside of retort and protected from heat, advances the coal from hopper to entrance of retort. Reciprocating ram in retort continues the feeding and provides agitation of the fuel bed in the retort zone.

Grate Surface—Alternate fixed and moving grate bars. Designed for correct air distribution and made of a special heat-resisting metal assuring low maintenance.

Air Supply—Integral forced draft fan, with inlet damper control, supplies air to windbox under the stoker. Volume of air may be regulated by control to suit the rate of coal burning.

Control—Automatic control furnished as standard equipment.

Application—For new boilers or for existing boilers having obsolete or inefficient firing equipment. Small clearances permit installation with only slight alterations in most cases.

Operation—Simple, easy, dependable. Variable-speed transmission permits 16 rates of coal feed. Control levers conveniently located.

Write for New 24-page Catalog No. SU-5

OTHER CE STOKERS

Nearly 14,000 CE stokers installed to date. The CE line of larger stokers includes the following, of which Type E, Coxe and Green are among the leaders in their respective fields.

Type K Stoker—A single retort underfeed stoker for burning bituminous coals under boilers in the upper size range of the CE-Skelly Stoker Unit.

Type E Stoker—A single retort underfeed stoker for burning bituminous coal under boilers up to about 600 rated hp.

CE Multiple Retort Stoker—For burning semi-bituminous and bituminous coals under boilers up to the largest sizes.

Coxe Stoker—A traveling grate stoker for burning small sizes of anthracite, coke breeze and lignite.

Green Stokers—A chain grate stoker available in both natural and forced draft types for burning non-caking or free-burning bituminous coals.

CE BOILERS

All fire tube and water tube types in sizes ranging from 25 hp up to the largest. Included are all designs formerly known by the trade names "Heine," "Walsh & Weidner," "Casey-Hedges" and "Ladd."

Classified broadly, the various types of CE Boilers are as follows: BENT TUBE—multi-drum, four-drum, three-drum, two-drum (complete steam generators). STRAIGHT TUBE—sectional header, box header (cross drum and long drum). STEAM GENERATORS — complete standardized units available in two types. FIRE TUBE—hrt, vertical, internally-fired, locomotive type. MARINE—sectional header, bent tube. WASTE HEAT—straight tube, bent tube.

CE PULVERIZED FUEL SYSTEMS

Formerly known by the trade name Lopulco," available in both direct fired and storage types for boilers ranging from 200 hp up. The CE-Raymond Bowl Mill, a pulverizer of advanced design, may be used in either direct fired or storage installations.

A-316

Detroit Stoker Company

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

Main Offices and Works at
Monroe, Mich.

District Offices in
Principal Cities

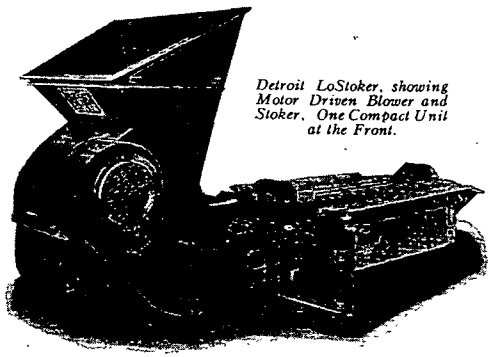
Built in
Canada at London, Ont.

Since 1898

PRODUCTS AND SERVICE

Detroit Stokers: Built in various types and sizes to serve heating and power boilers from approximately 30 hp upwards. Bituminous coals obtainable in all sections are successfully burned. Many features embodied in the various designs represent 40 years of experience in stoker design, manufacture and proper application exclusively.

May we study your individual requirements? District Offices, located in principal cities, will furnish catalogues; or write DETROIT STOKER COMPANY, Detroit, Mich.



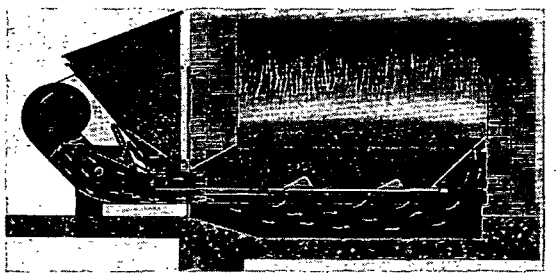
Detroit LoStoker, showing Motor Driven Blower and Stoker. One Compact Unit at the Front.

Detroit LoStoker

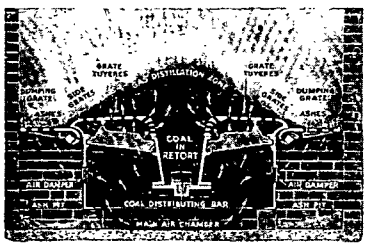
Built in various widths and lengths to fit furnaces of all types of boilers. Compact, easily installed, responsive and automatic. Savings, due to increased efficiency, combined with the ability to successfully burn less expensive grades of coal, make Detroit Stokers pay a handsome return on the investment.

Write for Bulletin 369.

Detroit LoStokers are Plunger Feed, mechanically driven through machine cut worms and gears, fully enclosed. Side cleaning, built in many sizes to fit the furnace.



One of Six Types of Detroit Stokers



Large Active Fuel Bed, with Provision for Admitting Air under the Dumping Grates at each side to burn out the Combustible Prior to Dumping Ashes.

Detroit LoStoker Advantages:

Agitator in coal hopper for positive coal feed. Cannot stick or jam with wet coal.

Adjustable Plunger Feed for the control of the quantity of coal.

Heavy Mechanical Drive of simple design. Little power is required for operation.

Side Cleaning with dumping grates. Ash doors are provided. No hand cleaning.

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