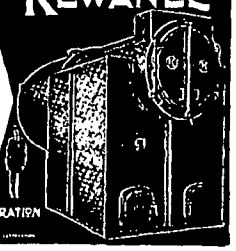
Hi-Test KEWANEE

FOR POWER and PROCESS STEAM

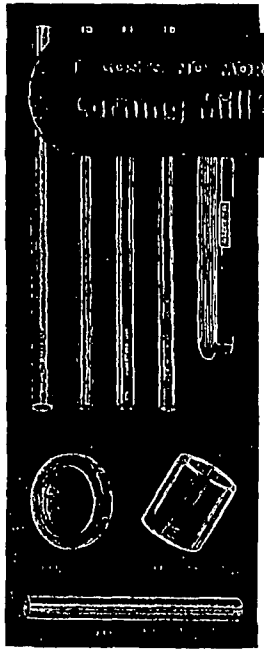
6 Sizes for 50 to 150 H.P., 125 and 150 lbs. W.P. . . . a quick steaming, all-welded portable type with firebox for refractory lining. A fuel saver.

80 Years Boilermakers

WRITE DEPT. 89-83 for 6" scale with pipe diameter markings.



KEWANEE BOILER CORPORATION
KEWANEE, ILLINOIS



Corning Mill Supply Glassware

The same glass that is used in making Corning's famous PYREX brand laboratory glassware goes into the manufacture of PYREX brand gauge glasses, sight glasses, oil cup and lubricator glasses. It is your positive assurance of top quality. It means longer resistance to etching, staining, pitting and scratching. It means that their cost, service considered, is lowest.

A LINE THAT ANSWERS ALL REQUIREMENTS

GAUGE GLASSES: PYREX and CORNING brand tubular gauge glasses and MACBETH brand flat gauge glasses provide good visibility over prolonged periods, even under severe conditions (pressures up to 2,000 p.s.i.).

SIGHT GLASSES. PYREX brand sight glasses are made especially for ovens, absorption columns, reaction kettles, furnaces, pressure vessels, stills, tanks (pressures up to 300 p.s.i.) where safe internal visibility is necessary.

OIL CUP AND LUBRICATOR GLASSES: PYREX and CORNING brand glassware give you visibility plus long life on all types of machine operations.

Corning products are available from your nearest Mill Supplier . . . Call him today. Stock up. Be prepared for any emergency!

CORNING MEANS RESEARCH IN GLASS

PYREX U.S. PAT. OFF.

CORNING GLASS WORKS, CORNING, N.Y.
SALES OFFICES: NEW YORK, CHICAGO, SAN FRANCISCO

PYREX GAUGE GLASSES
BRAND

Huge reinforced-concrete Ra... sagar Dam on Godavari River in ... Presidency in India will have a ... height of 423 ft and a crest length of ... ft. It will require about 500,000 ... of rock excavation and 20-million ... of other excavation. The dam will ... a reservoir covering 527 sq mi and ... contain 8-million cu yd of concrete. ... project is planned for power develop... and other major benefits; six 33,... turbines will be installed. Project ... completed in eight or nine years. ... construction methods to require pro... against high-flood discharges, the ... mum possible flood being estimated ... about 3,000,000 cfs.

Johns-Manville Corp recently ... the first big laboratory and pilot ... building of the ultra-modern research ... ter group it is erecting on banks of ... River, near Manville, N. J., and laid ... stone of the second building, now ... construction. This project will soon ... the world's largest research laboratory ... devoted to building materials, insulati... and allied industrial projects. Loca... on a 93-acre tract about 40 miles from ... York, the new J-M research center ... ultimately be composed of five or six bu... ings, connected by underground subway ... for trucking.

A super-bolt of lightning, believed to ... the mightiest ever recorded, struck ... University of Pittsburgh's Cathedral ... Learning during the 1947 lightning season. ... Dr E. J. Harder, in charge of Westinghouse ... Electric Corp lightning research, said the ... stroke consisted of five separate surges, ... least one of which contained an estimated ... 345,000 amp of electricity. The super-... bolt was trapped and recorded on special ... instruments installed as part of Westing... house long-range research program, aimed ... at improving design of equipment to pro... tect power lines, homes and factories.

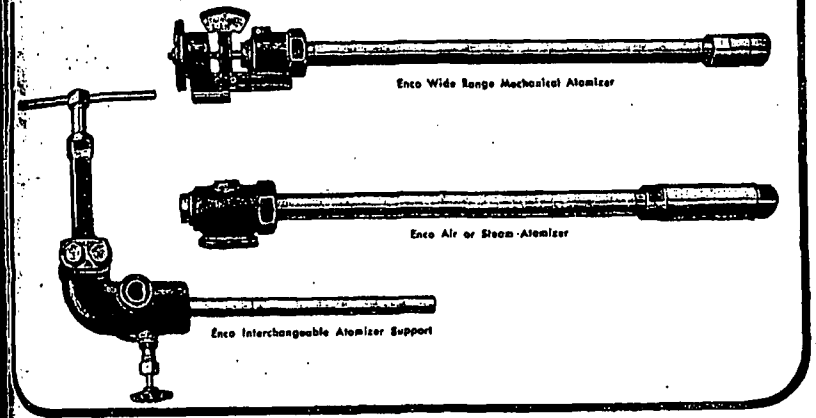
The stroke was far beyond the record... ing capacity of all recording instruments ... mounted on the cathedral roof, with the ... ception of a magnetic device and a photo... recorder. Measurements and calculations ... indicate current, carried by mast and ... least two of the guy wires, was about ... 115,000 amp apiece, or a total of 345,000 ... amp. Voltage could have been easily in ... the millions as experiments conducted by ... on the wooden guy spars required minimums of one-million volts to flash the ... over.

Most powerful lightning bolt previously ... recorded at the cathedral was 41,000 amp. ... For the entire nation the previous high ... was a 160,000-amp stroke registered in ... 1941 by an instrument mounted atop 585-ft ... smelter stack of Anaconda Copper Mining ... Co, Butte, Mont. Currents as high as ... 220,000 amp have been indicated by ... strokes to transmission lines but have not ... been measured accurately.

A H Timmerman, vice-president of West... ner Electric Corp, St. Louis, Mo., received ... a certificate for "fifty years of continuous ... service to the electrical industry" from the ... National Electrical Manufacturers Assn ... at a meeting held in Atlantic City ... Oct 29.

For Better Combustion Practice Use

ENCO INTERCHANGEABLE ATOMIZERS



Interchangeable Enco Fuel Oil Atomizers are improving combustion practice in more and more progressive boiler rooms. Designed for exceptionally wide capacity ranges with all grades of liquid fuels, they eliminate burner tip changes, through the entire load range.

1. *Wide Range Mechanical Atomizers*—With a capacity range of 10 to 1—controlled manually at atomizer or automatically from remote station—*constant high oil pressure at atomizer insures efficient atomization over entire load range without recirculating or returning oil.*
2. *Steam or Air Atomizers*—Capacity range of 10 to 1—controlled by manual or automatic pressure regulation.

Both atomizers are designed to fit the Enco Interchangeable Atomizer Support. Enco Straight Mechanical Atomizers are also available.

Enco Fuel Oil Atomizers are built to give most economical, efficient service for any type pulverized coal, gas or oil-burning air register as well as for stoker-fired and industrial type furnaces. They can also be used independently for special applications.

The Engineer Company maintains a research and planning staff to help you improve your combustion practice. Literature completely describing any Enco product will be sent on request.

EC-478

THE ENGINEER COMPANY
ENCO PRODUCTS
Enco Air Registers
Enco Fuel Oil Pumping and Heating Units
Enco Automatic Oil Burner Regulation Systems
Enco Automatic Combustion Controls
Enco Streamline Boilers

THE ENGINEER COMPANY
74 West Street, New York 6, N.Y.
Canadian Representatives
[illegible] Montreal