

FILE NAME: Engineering (ENG)

DATE: 1935 Feb

DOC#: ENG028

DOCUMENT DESCRIPTION: Advertisements in Trade Journal - Engineering

MECHANICAL ENGINEERING

Published by The American Society of Mechanical Engineers

VOLUME 57

NUMBER 2

Contents for February, 1935

LABOR-MANAGEMENT COOPERATION IN METHODS DEVELOPMENT	R. C. Nyman	73
THE AUTOMOBILE OF 1935		78
APPLICATIONS OF SCIENCE TO THE MAKING AND FINISHING OF STEEL	John Johnston	79
ENGINEERS' BUSINESS CONTACTS	A. G. Christie	87
OCCUPATIONAL DISEASES—PROBLEMS OF PREVENTION	F. R. Jones	90
ADMINISTRATION OF OCCUPATIONAL DISEASE CONTROL	A. S. Gray	92
TOXIC DUSTS—ORIGIN AND SOURCES IN INDUSTRY	R. C. Stratton	95
PROGRESS IN POWER	C. F. Hirschfeld	99
THE APPLICATION OF CENTRAL-STATION PRACTICE TO DOMESTIC HEATING	M. K. Drewry	103
EDITORIAL	69	
ENGINEERING PROGRESS	110	
LETTERS AND COMMENT	122	
A.S.M.E. BOILER CODE		125
BOOKS RECEIVED IN LIBRARY		128
WHAT'S GOING ON		129
DISPLAY ADVERTISEMENTS	1	
WHAT'S NEW	14	
PROFESSIONAL SERVICE		29
CLASSIFIED ADVERTISEMENTS		30
INDEX TO ADVERTISERS	32	

OFFICERS OF THE SOCIETY:

RALPH E. FLANDERS, *President*
ERIK OBERG, *Treasurer* C. E. DAVIES, *Secretary*

PUBLICATION STAFF:

GEORGE A. STETSON, *Editor* FREDERICK LASK, *Advertising Mgr.*

COMMITTEE ON PUBLICATIONS:

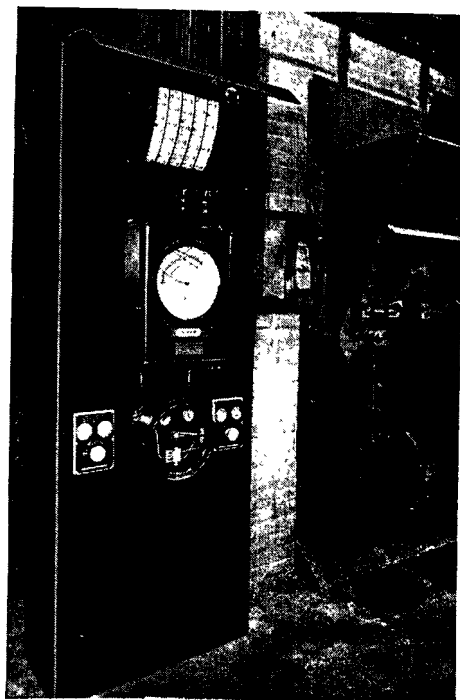
S. W. DUDLEY, *Chairman*
S. F. VOORHEES W. F. RYAN
G. F. BATEMAN M. H. ROBERTS

ADVISORY MEMBERS OF THE COMMITTEE ON PUBLICATIONS:

E. L. OHLE, ST. LOUIS, MO. E. B. NORRIS, BLACKSBURG, VA. A. J. DICKIE, SAN FRANCISCO, CAL.
Junior Member, O. B. SCHIER, 2D

Published monthly by The American Society of Mechanical Engineers. Publication office at 20th and Northampton Streets, Easton, Pa. Editorial and Advertising departments at the headquarters of the Society, 29 West Thirty-Ninth Street, New York, N. Y. Cable address, "Dynamic," New York. Price 60 cents a copy, \$5.00 a year, to members and affiliates, 50 cents a copy, \$4.00 a year. Postage to Canada, 75 cents additional, to foreign countries, \$1.50 additional. Changes of address must be received at Society headquarters two weeks before they are to be effective on the mailing list. Please send old as well as new address. . . . By-Law: The Society shall not be responsible for statements or opinions advanced in papers or . . . printed in its publications (B2, Par. 3) . . . Entered as second-class matter at the Post Office at Easton, Pa., under the Act of March 3, 1879. . . . Acceptance for mailing at special rate of postage provided for in section 1103, Act of October 3, 1917, authorized on January 17, 1921. . . . Copyrighted, 1935, by The American Society of Mechanical Engineers.

Boiler Panel of
Bailey Meter Control
System installed on an 860
h. p. B. & W. Stirling
boiler at Lee Paper
Company, Vicks-
burg, Michigan.



INSURE
*Safe, Efficient
and Uniform
operation with*

Bailey Meter Control

YOUR steam generating equipment represents a sizeable investment, the return from which depends largely upon operating methods. Manual operation without meters is sure to result in waste and even with meters results are dependent upon the human element.

With a view toward obtaining a full return from their investment in boiler room equipment, shrewd industrialists insure safe, efficient and uniform operation with Bailey Meter Control. This system automatically maintains steam pressure at the desired standard and combustion efficiency at the highest point consistent with economical operation.

To accomplish this, induced draft, forced draft, and fuel feed are regulated to control steam pressure, furnace draft, and combustion efficiency as indicated by the Steam Flow-Air Flow relation of the Bailey Boiler Meter.

Installation of Bailey Meter Control is decidedly worthwhile in any modernization program where the units are 200 h. p. or larger. Write for your copy of a reprint describing boiler plant modernization at Lee Paper Company.

A-3



Bailey Products

BOILER METERS
COMBUSTION CONTROL
MULTI-POINTERS GAGES
FEED WATER CONTROL
SMOKE DENSITY RECORDERS
FLUID METERS
PYROMETERS
RECORDERS

BAILEY METER CO.

1026 IVANHOE ROAD

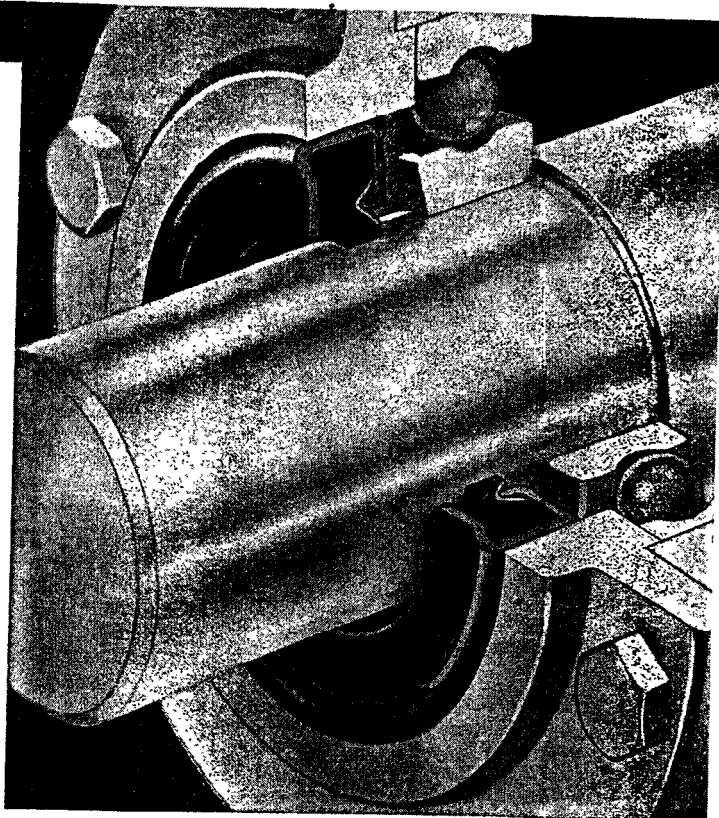
CLEVELAND, OHIO.

✓ ✓ ✓ Bailey Meter Company Limited, Montreal, Canada ✓ ✓ ✓

MECHANICAL ENGINEERING

P A T E N T E D

ENGINEERS all over the country ASKED FOR A BETTER OIL SEAL



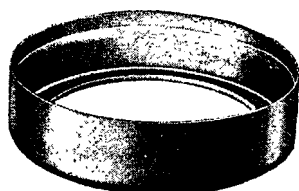
The Adapter



The Spreader



The Sealing Member



The Case

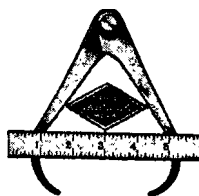
The Garlock **KLOZURE** is extremely simple in construction, consisting of only four parts as illustrated above.

They Now Have It—in the New GARLOCK **KLOZURE**

TO retain oil and grease within a bearing and to keep dust and dirt out of the bearing is essentially a *packing* job. That's why Garlock undertook the development of a truly effective Oil Seal. The result of many months of study and experimentation is the Garlock **KLOZURE**.

The sealing member in the Garlock **KLOZURE** is not leather, cork or felt. It is made from a special compound, developed in the Garlock laboratories, and molded into a shape resembling the famous Garlock Chevron packing ring.

Because of its uniform performance, its resistance to oil at high or low temperatures and its low co-efficient of friction, the Garlock **KLOZURE** is setting new high standards for efficient Oil Seal performance. Write for descriptive booklet.

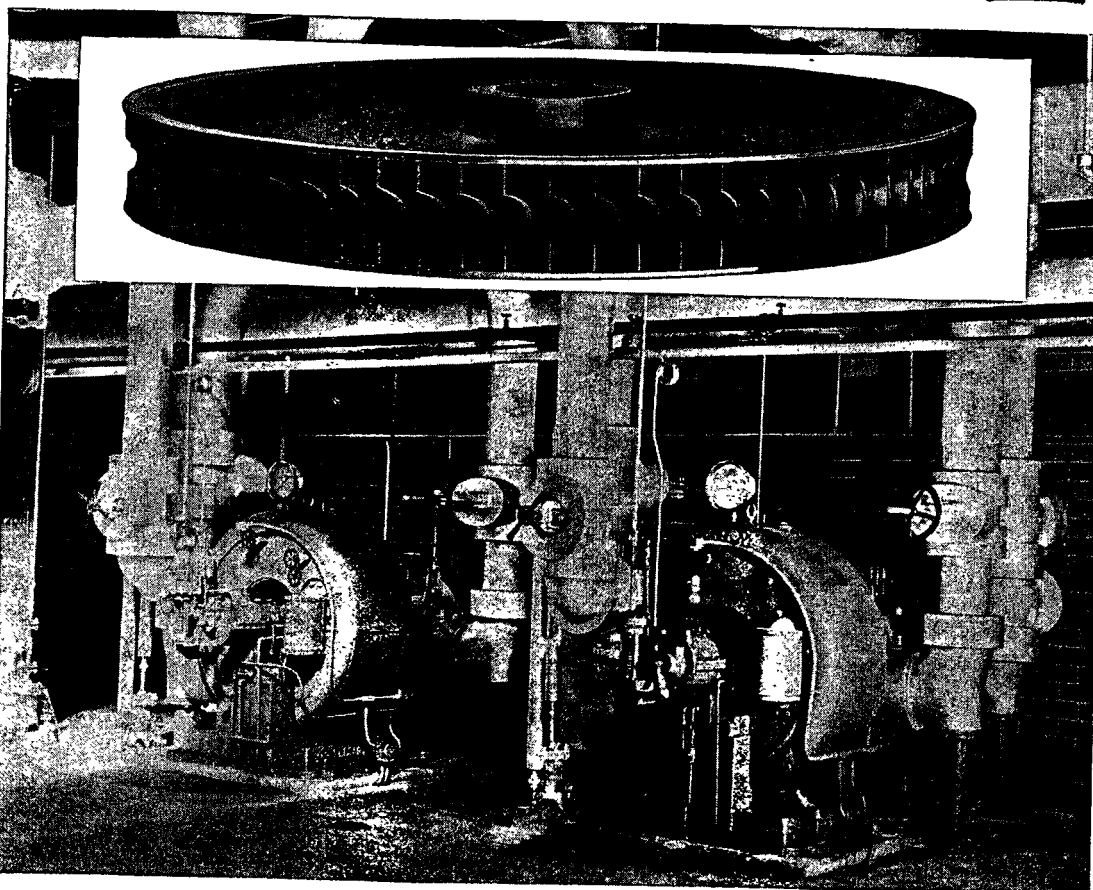


THE GARLOCK PACKING COMPANY
PALMYRA, NEW YORK

In Canada: The Garlock Packing Company of
Canada, Limited, Montreal, Quebec

G A R L O C K

TERRY



Two 625 HP Terry Turbines
driving Boiler Feed Pumps.
Steam conditions 375 lbs. 700° T. T.

BUCKETS and ROTOR — ALL IN ONE PIECE

In the Terry Turbine the wheel is made from a single forging of special composition steel. The buckets are milled directly in the wheel. There are no parts to become loose or work out. Such construction makes for long life and low maintenance.

This and many other features of Terry Turbine design are fully described in our interesting bulletin S-84. A request on your letterhead will bring a copy.

**The TERRY STEAM
TURBINE COMPANY**

TERRY SQUARE, HARTFORD, CONN.

Steam Turbines - Gears