

The Knowledge Bank at The Ohio State University
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POWER PLANTS

ONE MILLION K.W. is the ultimate capacity of the Central Station shown at the top of the page. The Laundry, illustrated below, operates a 70 h.p. boiler.

Both plants are equipped with fuel burning apparatus, designed, manufactured and installed by Combustion Engineering Corporation.

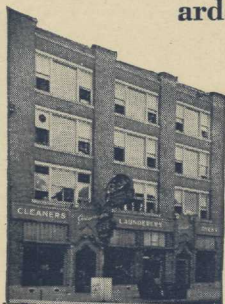
There is no sharp dividing line between the responsibilities of the stoker or burner manufacturer, the furnace builder and the boiler maker. Steam Generation is a combined process of heat liberation and heat absorption. The performance of individual elements is secondary to the performance of the combination — *as a unit*. The ultimate goal sought is to produce a dependable supply of steam at minimum cost.

The operation of the Laundry is dependent upon the performance of this 70 h.p. boiler, while thousands of New Yorkers rely upon the East River Station for light, power, transportation and the many material comforts of life which electricity has made available.

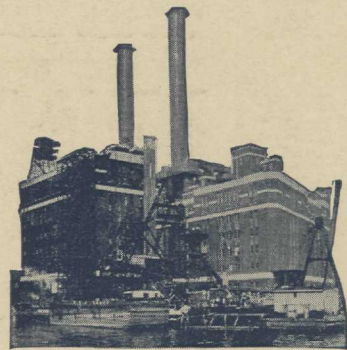
The engineering, research and manufacturing facilities of Combustion Engineering Corporation are available to American Industry in raising the standards of Fuel Burning and Steam Generation, throughout the entire range from 70 h.p. to 1,000,000 K.W.—*or beyond*.

COMBUSTION ENGINEERING CORPORATION

International Combustion Building, 200 Madison Ave., New York
A Subsidiary of
INTERNATIONAL COMBUSTION ENGINEERING CORPORATION



A 70 h. p. boiler serves this laundry



NEW YORK EDISON COMPANY
Thomas E. Murray, Inc.
Designing Engineers

POWER PLANTS

From 70 H. P. to 1,000,000 KW. ult. ✓

BOILERS

From 70 to over 4,000 rated boiler H. P.

PULVERIZED FUEL

Complete systems with Mill capacities from 600 to 60,000 lbs. of coal per hour.

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For capacities from 250 to 40,000 lbs. of coal per hour.

WATER COOLED FURNACES

From 90 sq. ft. to 4,132 sq. ft. of water wall surface.

AIR PREHEATERS

From 217 to 66,942 sq. ft. of heating surface.

COMBUSTION ENGINEERING



Aerial view of the tip of Manhattan Island, New York City

THE SKY IS THE LIMIT!

BEFORE the elevator removed this limitation, five stories was the height limit of buildings. Upper floors were undesirable—people didn't enjoy the long, hard climb to roof-tree quarters.

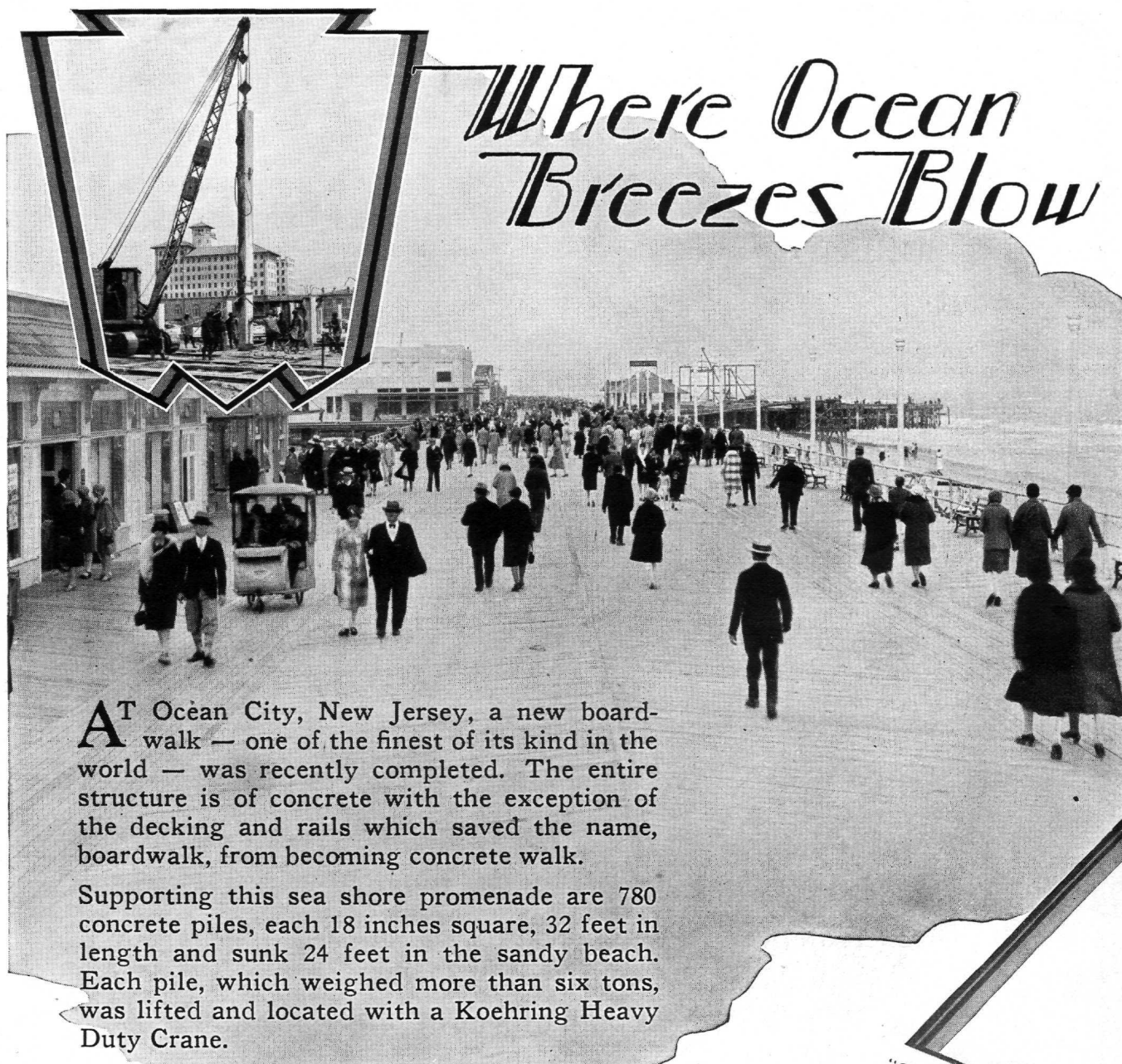
Today there is no restriction. Upper floors are preferred for their light, ventilation and splendid view. Elevators have made buildings of any height practicable. The only limit is in the construction of the building itself.

For more than 75 years Otis has led the way in Vertical Transportation—changing the skylines of the nation.



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Offices in All Principal Cities of the World



Where Ocean Breezes Blow

AT Ocean City, New Jersey, a new boardwalk — one of the finest of its kind in the world — was recently completed. The entire structure is of concrete with the exception of the decking and rails which saved the name, boardwalk, from becoming concrete walk.

Supporting this sea shore promenade are 780 concrete piles, each 18 inches square, 32 feet in length and sunk 24 feet in the sandy beach. Each pile, which weighed more than six tons, was lifted and located with a Koehring Heavy Duty Crane.

Another feature of this construction was the speed and adaptability of the Koehring Crane in setting the piling. The last pile was sunk four days ahead of the specified schedule. The entire contract was completed and accepted one day before the time limit.

Again a Koehring product is identified with the successful completion of an unusual project!

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"Concrete—Its Manufacture and Use," a complete treatise and handbook on present methods of preparing and handling portland cement concrete, will be gladly sent on request to engineering students, faculty members and others interested.



KOEHRING

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NOVEMBER, 1928

No. 2

CONTENTS

A PRIMITIVE ENGINEERING PROJECT — By E. W. SCHOENBORN, JR.....	4
CHARACTERISTICS OF SCREW PUMPS — By R. K. ANNIS.....	6
THE SMOKE PROBLEM — By PROFESSOR F. W. MARQUIS.....	8
OUR DEPARTMENTAL CHIEFS.....	9
THE NEW FRONTIER — By C. V. SPANGLER.....	11
THE BOOKSHELF.....	12
ENGINEERING ABSTRACTS.....	14
THE AMBASSADOR BRIDGE — By MURRAY A. YOUNG.....	15
CAMPUS NOTES.....	16
EDITORIAL.....	18
CRANKS AND COUNTERSHAFTS.....	26
ALUMNI NEWS.....	30

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