

HEATING AND VENTILATING

A MONTHLY
MAGAZINE FOR ENGINEERS
AND CONTRACTORS CONCERNED WITH

COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL AIR CONDITIONING, REFRIGERATION, PIPING, HEATING, VENTILATION

Publisher

THE INDUSTRIAL PRESS

President

ROBERT B. LUCHARS

Vice-President and Treasurer

EDGAR A. BECKER

Secretary

ERIK OBERG

Editorial Staff

Editor

CLIFFORD STROCK

Associate Editor

N. N. WOLPERT

Shipping Information

HEATING AND VENTILATING is published monthly by The Industrial Press at 148 Lafayette Street, New York 13, N. Y. Yearly subscription in the United States, Spain, South America, Mexico, and Canada, \$2.00; in all other countries, \$3.00. Single copies 30 cents. Entered as second class matter, April 18, 1925, at the Post Office, New York, N. Y., under the act of March 3, 1879.

Advertising Representatives

Eastern Representatives

DWIGHT COOK

HARRY J. TWINE

148 Lafayette Street

New York 13, N. Y.

Western Representative

GEORGE G. TURNER

228 North La Salle Street

Chicago 1, Ill.

CONTENTS FOR JUNE, 1944 VOLUME 41 NUMBER 6

Dust Collecting System in Gunstock Plant	51
Benjamin S. Malin	
Grinding Wheel Quality Improved by Controlled Air	55
J. C. Baker	
Dust as an Industrial Health Hazard	57
F. W. Hutchinson	
Ventilation for Welding Booths	62
M. E. Rinequist	
Ventilation for Radium Dial Storage	64
Off Again, On Again	64
John J. Woolfsenden	
Blueprint of Post-War Realities—Coal for Heating and Steam Generation	65
Irwin K. Hoffman	
Some Notes on Radiant Heating	81
T. W. Reynolds	
Weather Observers Have Difficulties	81
Central Plant Heats 45 Buildings	82
F. N. Hollingsworth	
Building Brazil	84
Washington News	86
Loring F. Overman	
News of the Month	88
Brief Reviews	90
News of Equipment and Materials	92
Degree-Days for April, 1944	100
With the Manufacturers	104
Reference Data 271-272	104
Personals and Personnel	107
Getting Personal	110
Army-Navy "E" Awards	110
New Catalogs	111
Industrial Degree-Days for April, 1944	113
Coming Events	113

Copyright, 1944, by The Industrial Press



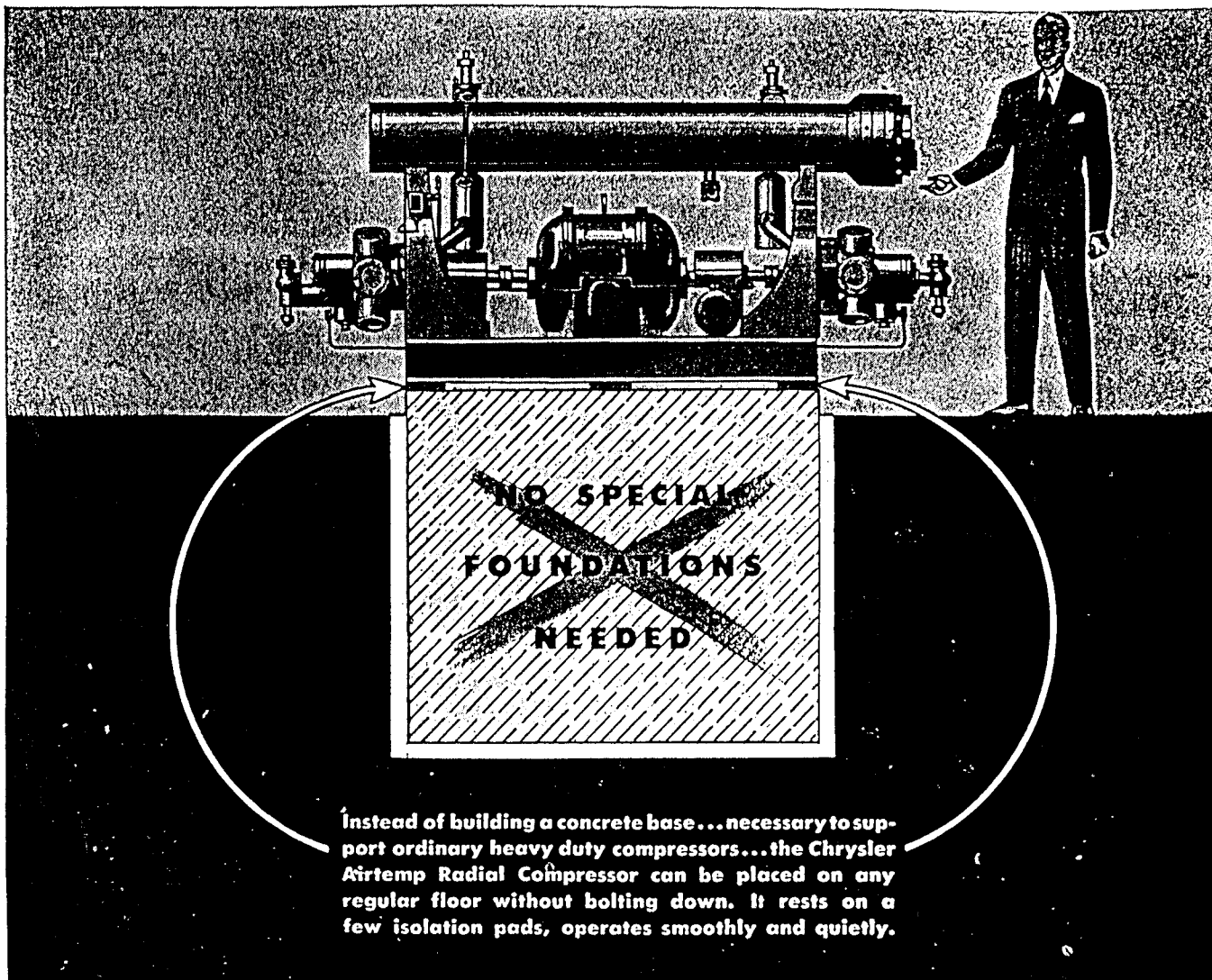
MEMBER

Audit Bureau of Circulation
Associated Business Papers



NEXT MONTH'S ISSUE

Process piping is a subject that reaches out into many industries. Starting with our July issue Harry D. Unwin, of Albert Kahn Associated Architects & Engineers, Inc., will present the first of



**NO SPECIAL
FOUNDATIONS
NEEDED**

Instead of building a concrete base... necessary to support ordinary heavy duty compressors... the Chrysler Airtemp Radial Compressor can be placed on any regular floor without bolting down. It rests on a few isolation pads, operates smoothly and quietly.

CHRYSLER AIRTEMP

VARIABLE CAPACITY RADIAL COMPRESSOR

Easily and quickly installed

Wherever you find the famous Chrysler Airtemp Radial Compressor . . . you'll find the ease of installation was a pleasant surprise to the owners.

Beautifully balanced, light in weight and practically free from vibration . . . you can balance a penny on it at 1750 R.P.M. . . . the Chrysler Airtemp Radial Compressor, regardless of size, needs no special foundations.

This feature saves unnecessary construction costs—permits location of compressor on an upper floor, the roof or wherever it is most advantageous. Eight years ago,

a big radio station even placed a 14 cylinder Chrysler Airtemp Compressor unit right over the sound-proof studios. It's still there . . . doing a superb job.

These days . . . with scarce manpower and a need for time-saving, efficient operations . . . industries and services geared to the war program are turning to Chrysler Airtemp air conditioning and refrigeration units.

If you have a temperature-humidity control problem—put it up to Chrysler Airtemp. You'll find it pays!

BUY WAR BONDS

CHRYSLER AIRTEMP

AIRTEMP DIVISION OF CHRYSLER CORPORATION • DAYTON, OHIO

Tune in Major Bowes every Thursday, CBS., 9 p. m., E. W. T.