

Complete FIRE PROTECTION HAS 3 VITAL PHASES



- EXTINGUISHMENT
- PREVENTION
- DETECTION

Are you sure that each of these links in your fire protection program is as strong as it should be? A careful analysis of your fire hazards now... in the light of recent developments in fire protection methods and equipment... may save you staggering fire losses later. Let Cardox... a leader in all three phases of fire protection... help you make this property-protecting check-up! The only cost to you is a small investment in time.

CARDOX offers all THREE



EXTINGUISHMENT

Cardox engineered applications of low-pressure carbon dioxide give this fast-acting, non-damaging extinguishing medium maximum effectiveness in conquering fires, large or small, both indoors and out. Cardox Fire Extinguishing Systems offer broadscale protection with centrally located, compactly designed storage units with capacities of 500 pounds to 125 tons of Cardox CO₂ and Mobile Units with capacities of 750 pounds to 3 tons. Bulletin B-3108.



PREVENTION

Cardox Atmosphere Inerting Systems are available to provide inert gas for continuous fire and explosion prevention in the handling and storage of flammable liquids, chemicals, paints, varnishes, and solvents, or where other materials in storage present serious fire and explosion hazards. These systems also are used to provide an economical source of inert gas as part of continuous production processes. Bulletin C-3108.



DETECTION

Cardox Detection Systems, actuated by heat, smoke or flame, give prompt warning of incipient fires. These systems... with detectors located throughout large establishments... may be used purely as a warning device, or may be engineered to actuate an extinguishing system.



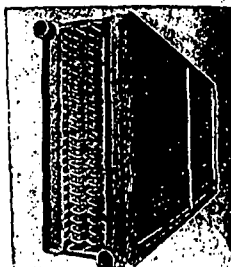
CARDOX CORPORATION • 307 North Michigan Avenue, Chicago 1, Illinois
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distribution curve is required for point calculation. Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 1, Pa.

Furnace Observation Door

MAIN CASTING of door frame is 41 in. by 41 in. wide observation port and is designed for mounting on a furnace wall of brick, steel or asbestos-board casting, solid masonry. A hinged shutter, normally closed, connects to main frame on a shaft that rotates under impulse of a lever and pull chain.

An outer covering or lens frame is hinged by a shaft to the main frame and set of three parallel pieces of 1/2 in. thick resisting blue glass through which operator can observe the fire without eye strain. Bigelow-Liptak Corp., 2842 West Grand Blvd., Detroit 2, Mich.



Heating and Cooling Coils

REPRESENTED HEATING and cooling coils feature new plate-type ripple fins. Plates are continuous with ripples made of corrugations that stiffen fins and tubes to give greater strength against deformation. In addition, tubes themselves are ruffled between each and every fin to improve contact to metal contact. McQuay, Inc., 1600 Broadway, N.E., Minneapolis 13, Minn.

Temperature Control

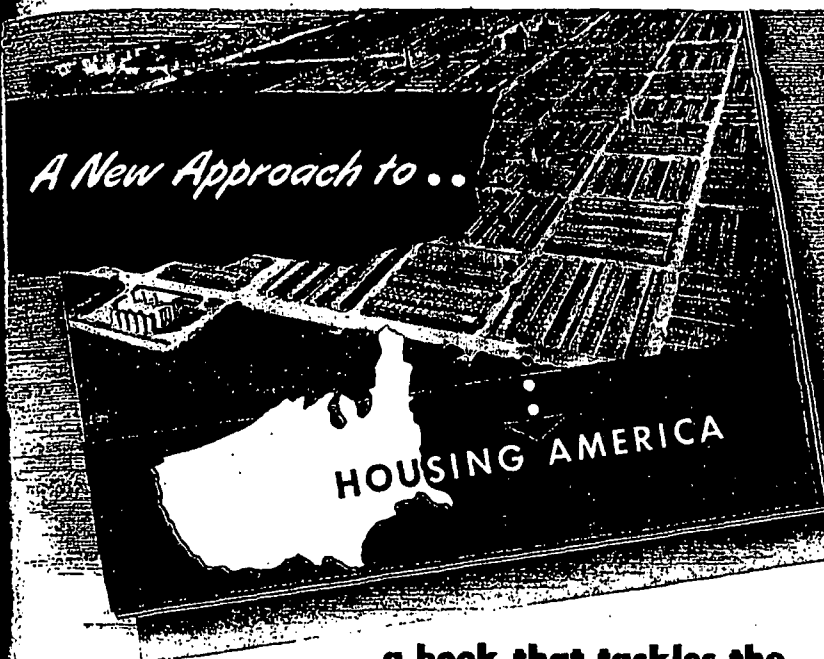
FOR DYING AND FINISHING PLANTS, a temperature change of 0.5 F causes the control to operate a solenoid valve pilot that instantly actuates a powerful steam supply valve. Fingertip temperature-actuating change may be made by turning an adjusting screw. A built-in thermometer continuously indicates the control temperature. Servo Co., 350 Fifth Ave., New York 1, N.Y.

Automatic Oiler

AN AUTOMATIC OILER for solid, wide and waste-packed bearings is especially designed for installation where space between oil hole and machinery is limited. Off-center speed spout makes mounting possible where clearance is as little as 1 in.

On slight temperature rise, oiler discharges a few drops of lubricant that

A New Approach to...



HOUSING AMERICA

...a book that tackles the Housing Problem in a Businesslike way!

EVERYONE CONCERNED with the seriousness of America's housing problem will want a copy of this book, just off the press.

Here is a straightforward statement of all the issues and factors involved in the housing problem and an equally frank presentation of a definite plan for solving it. It is comprehensive and completely to the point, we believe, and should be of positive value to every individual who has an interest in this subject.

The book includes a summary of all the principal housing proposals advanced by prominent civic leaders. It reviews the steps being taken by various cities for planned community development, and points the way to more widespread planning of this type on a broader scale. Emphasis is placed upon the necessity for adequate utility service planning in such developments and a clear cut case is made for the inclusion of centralized community heating as one of the essential utility services. Attention is also directed to the factors of fuel availability and fuel costs as being among the most important influences in community development planning.

A study of a community development of 15,900 individual homes is another important feature of

the book. This section includes a detailed engineering analysis, by a nationally prominent consulting engineer, of the recommended central heating system, comparing its construction and operating costs with the corresponding costs of individual heating plants for each separate dwelling unit.

An informative appendix comprises a resume of some twelve major housing developments sponsored by major life insurance companies and saving banks, with particular attention given to the heating systems of each project.

This book is not a piece of advertising, but a practical reference on the status of mass housing to date, for the use of anyone actively interested in housing developments. If you have bona fide use for it, please write us on your business stationery and we shall be glad to forward you a copy without charge or obligation.

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