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MANUAL OF INDUSTRIAL HEALTH HAZARDS

Comprising the occurrence and uses, the properties, clinical symptomatology, permissible standards, physiological responses, and methods for the evaluation of over ninety noxious vapors, gases and dusts.

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Including a chart showing potential health hazards occurring in one hundred and eight manufacturing classifications.

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COVER
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PREFACE

This book is the outgrowth of several years of active work in this particular field, and is an attempt to present methods for the evaluation of industrial hygiene exposures resulting from many dusts, vapors and gases in a concise and simple manner.

A book covering so broad a field as this cannot well be based entirely upon the knowledge and observation of any single individual. For this reason, I have unhesitatingly drawn upon the literature on the subject, selecting the material which I considered most appropriate.

In order to achieve conciseness the book is arranged as follows: Chapter I gives certain principles to be borne in mind when making a test and a description of certain simple sampling apparatuses. Each of the succeeding chapters is devoted to a material or family of materials which can cause an exposure. The information given about each material is: its occurrence and uses, certain physical properties, clinical symptomatology it produces in man, the physiological responses of man to various concentrations, concentrations allowable in the air of the workplace and a simple method of estimation in air.

Sufficient references have also been given so that anyone interested in continuing his studies further may proceed to more exhaustive sources of information.

Certain useful constants, formulas and instructions for preparation of standard solutions will be found in the appendix.

Acknowledgment is made to H. C. Johnson, L. Press and A. J. Holden for their kind assistance.

HANDLING (EXCL. HATTERS' FUR)

FURNITURE MFG.

GARBAGE WORKS (CYCL. REMOVING AND INCINERATION)

GAS WORKS

GASOLINE AND OIL BULK STATIONS

GLASS PRODUCTS MFG.

GOLD LEAF MFG.

HAIRDRESSING AND BARBERING

HARDWARE MFG. (NAC)

HAT MFG. NOT STRAW OR CLOTH

HAT MFG. STRAW

HATTERS FUR MFG.

ICE MFG. AND HARVESTING

INSTRUMENT MFG. (PROFESSIONAL OR SCIENTIFIC)

JEWELRY MFG.

JUNK CYCL. OLD METAL AND RAG SORTING

LAUNDRIES

LEAD WORKS SHEET, PIPE, SHOT (EXCL. SMELTING)

LEATHER GOODS MFG.

LEATHER MFG.

LEATHER MFG. (IMITATION)

MACHINE SHOPS (EXCL. FOUNDRY EXCL. FOUNDRY)

MACHINERY MFG. (NAC)

MATTRESSES AND BED SPRINGS MFG.

METAL GOODS MFG.

MUSICAL INSTRUMENTS MFG.

OFFICE MACHINERY MFG.

PAINT, VARNISH, AND LACQUER MFG.

PAINTING

PAPER AND PULP MFG.

PAPER GOODS MFG.

PHOTO-ENGRAVING

PHOTOGRAPHY

PRINTING (EXCL. PUBLICATIONS, LITHOGRAPHING, ETC.)

QUARRYING AND MINING

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ROLLING MILLS STEEL OR IRON

RUBBER GOODS MFG.

SEWAGE DISPOSAL PLANTS

SHIP BLDG.

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TEXTILE GOODS MFG.

TOBACCO FABBING

TOOL MFG.

TOYS NOT EXCLUSIVELY WOOD, NETS, OR CELLULOSE

TRANSPORTATION EQUIPMENT REPAIRING

WELDING

WOOD PRODUCTS MFG.