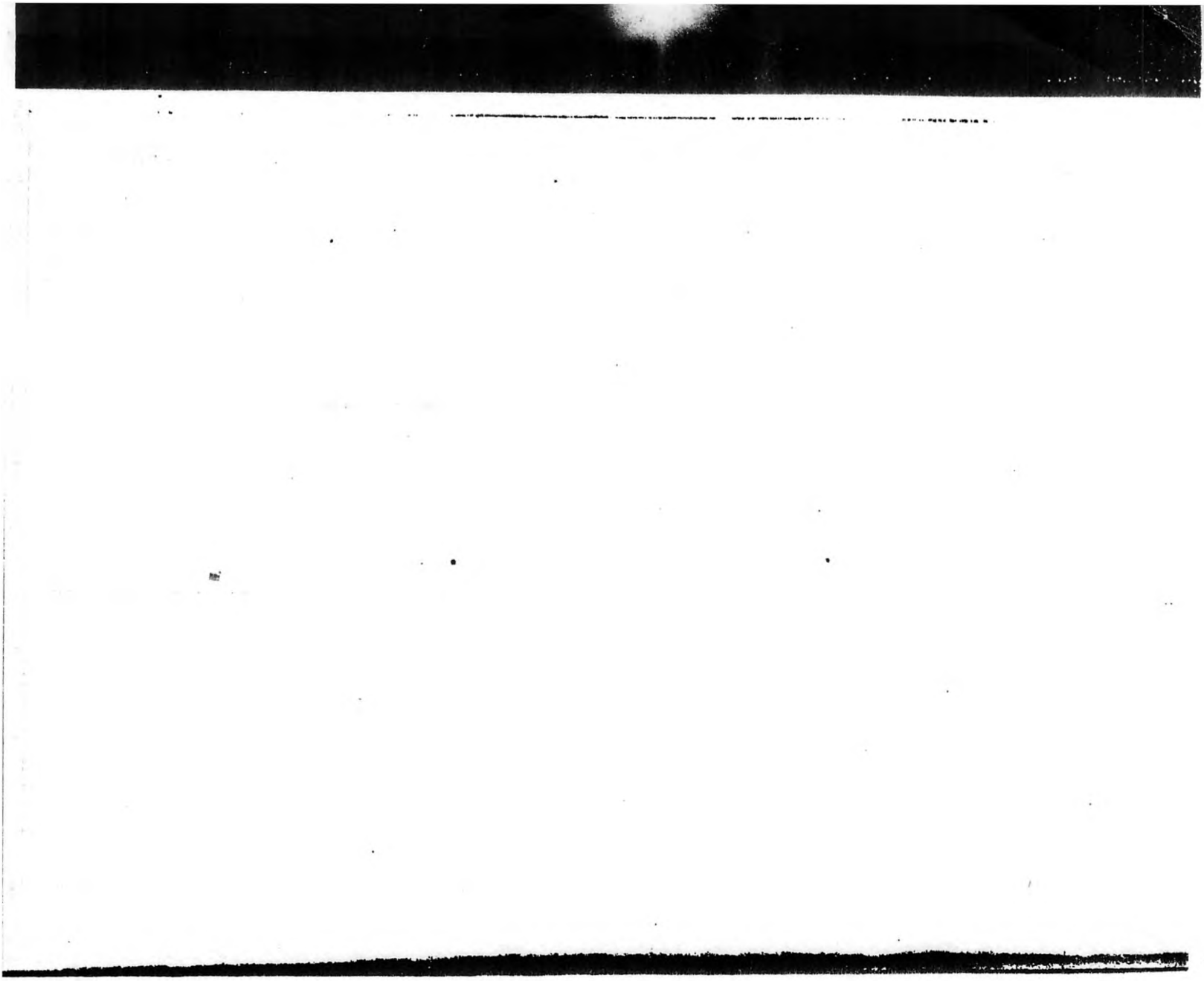
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MANUAL OF INDUSTRIAL HEALTH HAZARDS

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.

By
Joseph B. Ficklen
Chemical Engineer, The Travelers Insurance Company

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

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covers to pg 6

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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.

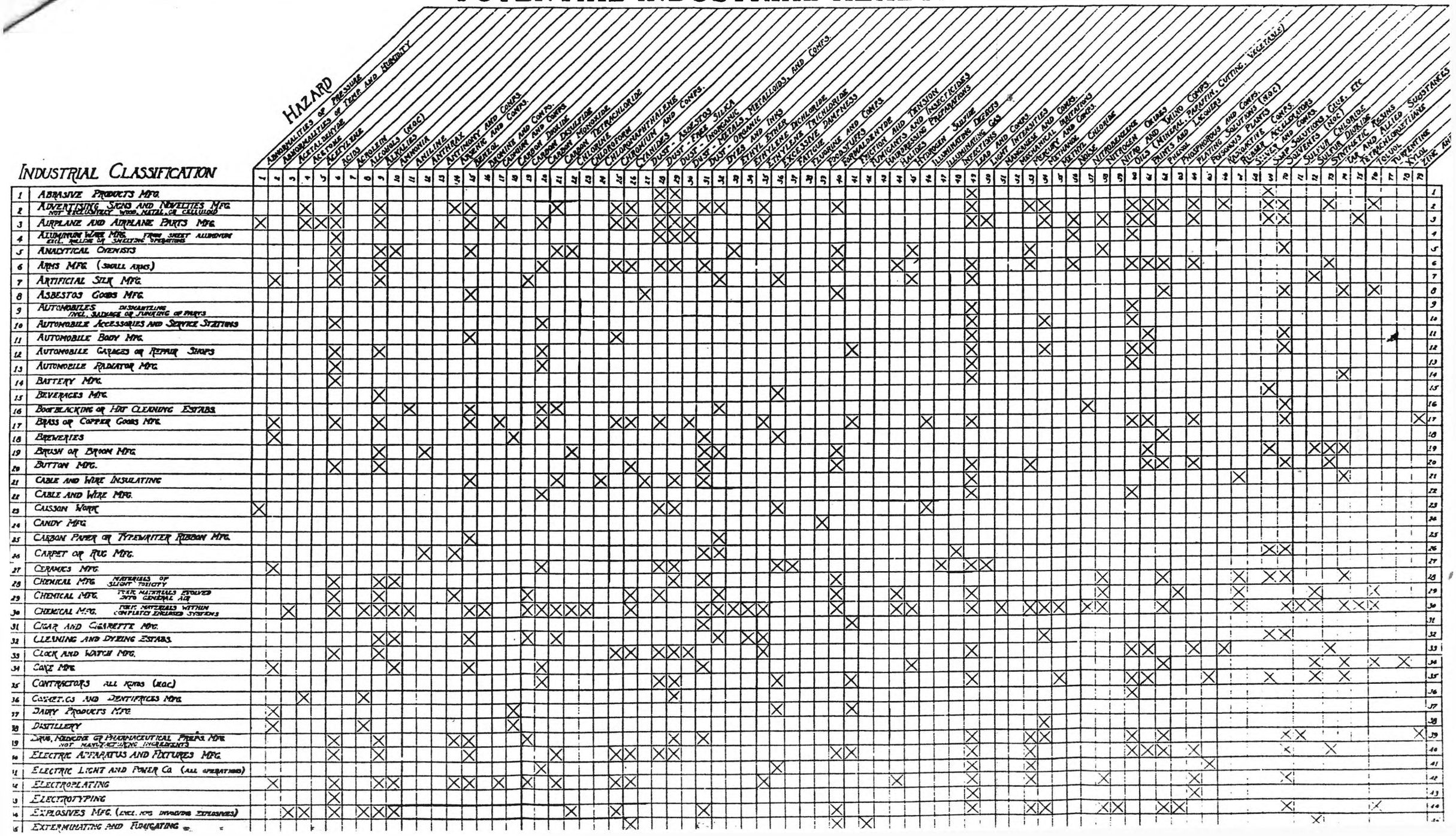
In order to achieve conciseness the book is arranged as follows: Chapter I gives certain principles to be borne in mind when making a test and a description of certain simple sampling apparatuses. Each of the succeeding chapters is devoted to a material or family of materials which can cause an exposure. 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.

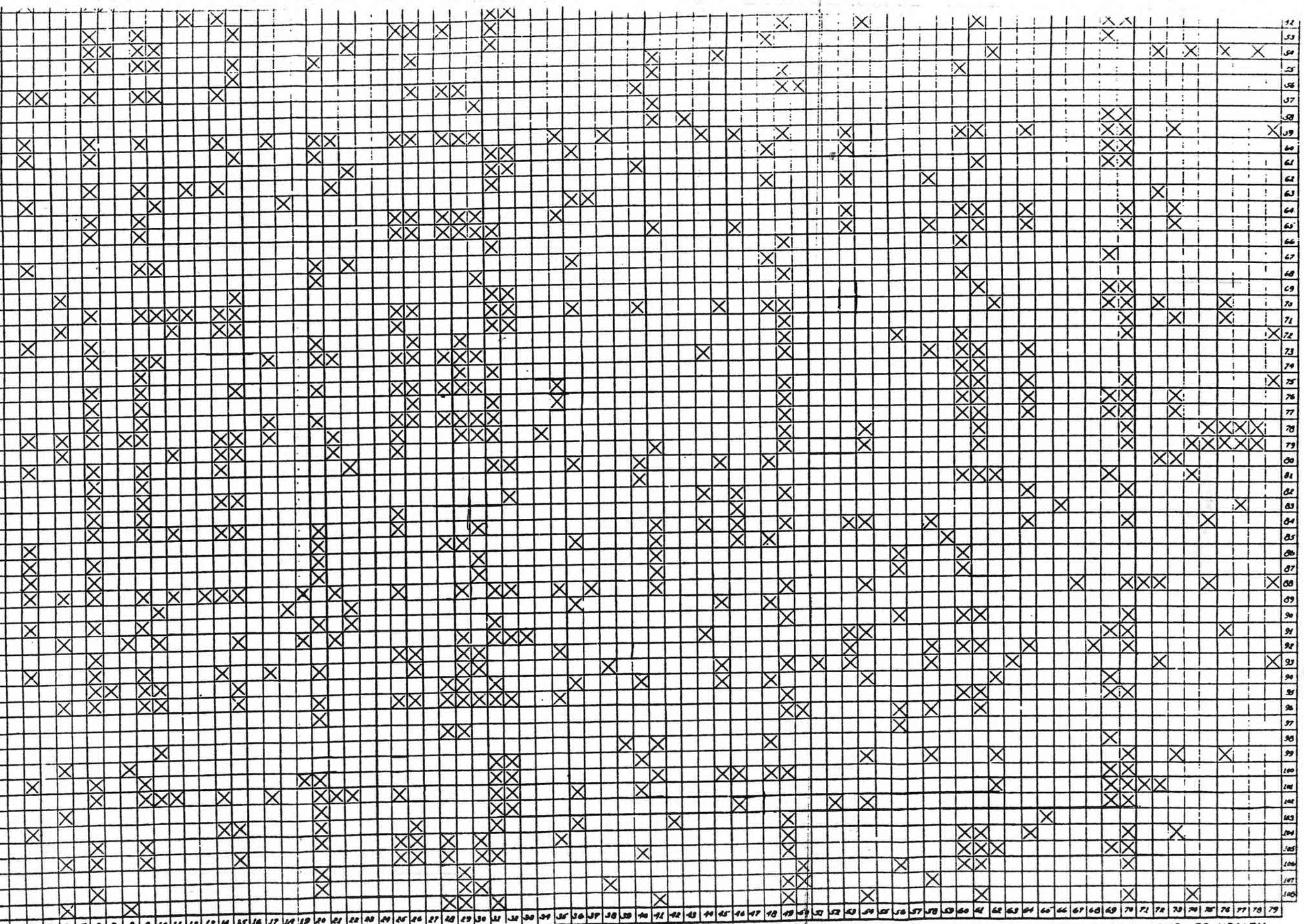
Acknowledgment is made to H. C. Johnson, L. Press and A. J. Holden for their kind assistance.

POTENTIAL INDUSTRIAL HEALTH HAZARDS



IRON OR STEEL

	HANDLING (EXCL. HATTERS' FUR)
	FURNITURE MFG.
	GARBAGE WORKS (INCL. RENDERING AND INCINERATION)
	GAS WORKS
	GASOLINE AND OIL BULK STATIONS
	GLASS PRODUCTS MFG.
	GOLD LEAF MFG.
	HAIRDRESSING AND BARBERING
	HARDWARE MFG. (N.O.C.)
	HAT MFG. NOT STRAW OR CLOTH
	HAT MFG. STRAW
	HATTERS FUR MFG.
	ICE MFG. AND HARVESTING
	INSTRUMENT MFG. (PROFESSIONAL OR SCIENTIFIC)
	JEWELRY MFG.
	JUNK EXCL. OLD METAL AND RAG SORTING
	LAUNDRIES
	LEAD WORKS SHEET, PIPE, SHOT (EXCL. SMELTING)
	LEATHER GOODS MFG.
	LEATHER MFG.
	LEATHER MFG. (IMITATION)
	MACHINE SHOPS (INCL FORGING EXCL. FOUNDRY)
	MACHINERY MFG. (N.O.C.)
	MATTRESSES AND BED SPRINGS MFG.
	METAL GOODS MFG.
	MUSICAL INSTRUMENTS MFG.
	OFFICE MACHINERY MFR.
	PAINT, VARNISH, AND LACQUER MFG.
	PAINTING
	PAPER AND PULP MFG.
	PAPER GOODS MFG.
	PHOTO-ENGRAVING
	PHOTOGRAPHY
	PRINTING (INCL. PUBLISHING, LITHOGRAPHING, ETC.)
	QUARRYING AND MINING
	ROLLING MILLS BRASS, COPPER, ALUMINUM
	ROLLING MILLS STEEL OR IRON
	RUBBER GOODS MFG.
	SEWAGE DISPOSAL PLANTS
	SHIP BLDG.
	SHOE AND SHOE SUNDRIES MFG.
	SILVERWARE MFG.
	SMELTING AND REFINING OF METAL
	SOAP OR SOAP POWDER MFG.
	SPORTING GOODS MFG.
	STEEL AND IRON FABRICATION
	STONE AND MINERAL PRODUCTS MFG.
	STORES (N.O.C.)
	SYNTHETIC RESINS AND PRODUCTS MFG.
	TEXTILE MFG.
	TEXTILE FINISHING INCL. BLEACHING, DYEING, ETC. (NOT CLEANING AND DYEING)
	TEXTILE GOODS MFG.
	TOBACCO HANDLING
	TOOL MFG.
	TOYS NOT EXCLUSIVELY WOOD, METAL, OR CELLULOID
	TRANSPORTATION EQUIPMENT REPAIRING
	WELDING
	WOOD PRODUCTS MFG.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79

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