A HEALTHY BODY. A TEXT-BOOK ON ANATOMY, PHYSIOLOGY, HYGIENE, ALCOHOL, AND NARCOTICS, FOR USE IN INTERMEDIATE GRADES IN PUBLIC AND PRIVATE SCHOOLS Published @ 2017 Trieste Publishing Pty Ltd

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A Healthy Body. A Text-Book on Anatomy, Physiology, Hygiene, Alcohol, and Narcotics, for Use in Intermediate Grades in Public and Private Schools by Charles H. Stowell

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CHARLES H. STOWELL

A HEALTHY BODY. A TEXT-BOOK ON ANATOMY, PHYSIOLOGY, HYGIENE, ALCOHOL, AND NARCOTICS, FOR USE IN INTERMEDIATE GRADES IN PUBLIC AND PRIVATE SCHOOLS



A HEALTHY BODY.

A TEXT-BOOK ON

ANATOMY, PHYSIOLOGY, HYGIENE, ALCOHOL, AND NARCOTICS.

FOR USE IN

INTERMEDIATE AND GRAMMAR GRADES IN PUBLIC AND PRIVATE SCHOOLS.

BY CHARLES H. STOWELL, M.D.,

CATE PROFESSOR OF RESTRICT AND MICROSCOPY AND ASSISTANT PROFESSOR OF PRINCIPOLOGY, WHITELESS ; AUTHOR OF "STEDENT'S MARVAL OF EMPOLOGY," "THE SUMAN THATS," "MICROSCOPICAL DIAGNOSSS," "PRIME OF HEALTS," "ESSENTIALS OF HEALTS," LATE MICROSCOPY," ENTRY, "ATTORNAL MEDIDAL DRICES,"

"POOD," EFC.

Jully Ellustrated

WITH ORIGINAL SKETCHES BY THE AUTHOR.

REVISED EDITION.

SILVER, BURDETT & COMPANY, PUBLISHERS,
NEW YORK. BOSTON. CHICAGO.

INDORSEMENT.

WE have examined the school text-book, entitled "A Healthy Body," by Doctor Charles H. Stowell.

As it faithfully teaches the nature of alcoholic drinks and other narcotics in connection with relative physiology and hygiene, and in language well adapted to grade, we heartily commend and indorse it for INTERMEDIATE OF GRAMMAR GRADE pupils or schools.

MARY H. HUNT,

National and International Supt. Dept. of Scientific Instruction of the Woman's Christian Temperance Union.

Advisory Board for U. S. A.

ALBERT H. PLUMB, D.D.,
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EDUCATION DEM.

PREFACE.

This book has been written to meet the demand for the study of the human body in the intermediate and grammar grades of the public schools. Especial attention has been given to the effects of alcoholic drinks on the organs and tissues of the body. In this respect no statement has been made that is not capable of positive proof. The author has also strongly insisted on the injury to young men and boys caused by the habit of smoking tobacco, which in too many cases prepares the way for more disastrous habits. Good health is one of the safeguards not only against suffering, but also against crime. Vicious habits often result from a lack of knowledge of the laws of health, while both physical and mental health are frequently impaired by

conditions which a proper understanding of hygiene would obviate. Therefore, special attention has been given to general hygiene. It is believed that the study of the human body, together with a knowledge of the effects of alcohol upon it, will do much to make the coming generation wise, temperate, and moral.

CHARLES H. STOWELL.

University of Michigan, December, 1888.

PREFACE TO THE REVISED EDITION.

So short a time has elapsed since the first appearance of this book that radical changes are not required. Some slight alterations have been made in the text, a number of new illustrations substituted, and a list of questions added to each chapter.

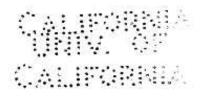
CHARLES H. STOWELL

WASHINGTON, D. C. December, 1898.

CONTENTS.

CHAPTE															PAGE
I.	WHAT IS ALCO	H	L.P	100	84										7
II.	FERMENTED L	ıqt	ORS	o T			្ន		120						13
III.	DISTILLATION	estes di	•	200 100			•								19
IV.	Cells		10	7.0				•							21
V.	THE BONES .		7.0		117	117						•			. 26
VI.	THE SECLETON	A	ND	TH	E	Jor	NTS	٠							34
VII.	HYGIENE OF T	HR	Bo	NE	3	2000 200			•	٠					41
VIII.	THE MUSCLES				4							•			47
IX.	Exercise .	3	•	ö											53
x.	OUR FOODS .				1										60
XI.	COOKING	*		6	4								•		70
XII.	OUR FOODS - COOKING DIGESTION -	7.0	377.5 11. - 01	ě.	18	8		0		,		(0.50) (1.1 0 1)			77
XIII.	DIGESTION IN	tHI	E S	ro	MAC	H				*					84
XIV.	DIGESTION IN	rH1	i Ir	TI	ST	INE			.5						89
XV.															
	Organs .	1666 1 7 01		,									11.		95
XVI.	ABSORPTION .				¥				+10						101
XVII.	ABSORPTION . THE BLOOD .			2									50 0•		107
XVIII.	CIRCULATION	10 60 F21	13	2	100 C#		544	**	#10		2017 201	1214		- 100 - 100	113
XIX.	THE EFFECTS	OF	A	LCC	HO	ı.	ANI	, ,	Top	AC	co	ON	TH	E	
	HEART AND	TH	R C	IR	cu	LAT	108		****				**		123
XX.	RESPIRATION .		osn S											0000 0000	127
XXI.	VENTILATION					335 903	*8	•			•		325 3 4 0	:: :*:	137
XXII.	SLEEP	C4			es es	(%) (*)	**	•		•	88	60. 6.00	765	•	140
XIII.	THE KIDNEYS	52	100		386	355	300	500	100		1117	5335	200	,610	143

vi	CONTENTS.
CHAPTER	Pag
XXIV.	THE SEIN 14
	TEMPERATURE OF THE BODY 153
XXVI.	THE NERVOUS SYSTEM 160
	ALCOHOL, TOBACCO, OPIUM, AND THE NERVOUS
	System
XXVIII.	THE SENSE OF SIGHT
XXIX.	THE SENSE OF TASTE
XXX.	THE SENSES OF SMELL AND TOUCH 19
XXXI.	THE SENSES OF TEMPERATURE, WEIGHT, AND
	HEARING
XXXII	
XXXIII.	
XXXIV.	WHAT THE AUTHORITIES SAY 20
XXXV.	
INDEX	
PRONUN	CIATION OF WORDS:



A HEALTHY BODY.

CHAPTER I.

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WHAT IS ALCOHOL?

What is Alcohol? Alcohol is that part of all spirituous drinks which intoxicates. It is lighter than water, colorless, and has a sharp, stinging taste. It burns readily, gives very little light, and no smoke, but a great deal of heat. When taken into the stomach it acts as a powerful poison.

How it was discovered. It is not known when fermented liquors were first used. But about seven hundred years ago chemists (or alchemists, as they were then called) were continually trying to discover two things. One was to find something that would turn all the common metals, as iron, into gold, and thus make the discoverer very wealthy. Another object was to find something that would prevent sickness and death, bring back youth to the aged, and keep the young from ever growing old. When this last should be found, it was to be called "the elixir of life."

Was Alcohol this Elixir? It happened that about this time one of these chemists succeeded in distilling some