

Cambridge University Press

978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1

Jonathan Pereira

Frontmatter

[More information](#)

CAMBRIDGE LIBRARY COLLECTION

Books of enduring scholarly value

History of Medicine

It is sobering to realise that as recently as the year in which *On the Origin of Species* was published, learned opinion was that diseases such as typhus and cholera were spread by a 'miasma', and suggestions that doctors should wash their hands before examining patients were greeted with mockery by the profession. The Cambridge Library Collection reissues milestone publications in the history of Western medicine as well as studies of other medical traditions. Its coverage ranges from Galen on anatomical procedures to Florence Nightingale's common-sense advice to nurses, and includes early research into genetics and mental health, colonial reports on tropical diseases, documents on public health and military medicine, and publications on spa culture and medicinal plants.

The Elements of Materia Medica and Therapeutics

After training as an apothecary and surgeon, Jonathan Pereira (1804–53) taught materia medica for many years. His lectures at the medical school in London's Aldersgate Street were highly successful and formed the basis for the first edition of his major encyclopaedic work on medicinal substances. A pioneering text in the field of pharmacology, Pereira's work, which he subsequently updated in further editions, provided pharmacists and medical professionals with a more rigorous scientific understanding of the drugs and remedies they prescribed. After Pereira's death, medical jurist Alfred Swaine Taylor (1806–80) and physician George Owen Rees (1813–89) prepared this revised and expanded fourth edition, interspersed with instructive woodcuts. Volume 1 (1854) includes discussion of 'physical remedies' such as heat, cold and electricity, and 'hygienic remedies' of diet, exercise and climate. It then focuses on general pharmacological practice and specific drugs, describing the medicinal properties of inorganic compounds.

Cambridge University Press

978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1

Jonathan Pereira

Frontmatter

[More information](#)

Cambridge University Press has long been a pioneer in the reissuing of out-of-print titles from its own backlist, producing digital reprints of books that are still sought after by scholars and students but could not be reprinted economically using traditional technology. The Cambridge Library Collection extends this activity to a wider range of books which are still of importance to researchers and professionals, either for the source material they contain, or as landmarks in the history of their academic discipline.

Drawing from the world-renowned collections in the Cambridge University Library and other partner libraries, and guided by the advice of experts in each subject area, Cambridge University Press is using state-of-the-art scanning machines in its own Printing House to capture the content of each book selected for inclusion. The files are processed to give a consistently clear, crisp image, and the books finished to the high quality standard for which the Press is recognised around the world. The latest print-on-demand technology ensures that the books will remain available indefinitely, and that orders for single or multiple copies can quickly be supplied.

The Cambridge Library Collection brings back to life books of enduring scholarly value (including out-of-copyright works originally issued by other publishers) across a wide range of disciplines in the humanities and social sciences and in science and technology.

Cambridge University Press

978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1

Jonathan Pereira

Frontmatter

[More information](#)

The Elements of Materia Medica and Therapeutics

VOLUME 1

JONATHAN PEREIRA



CAMBRIDGE
UNIVERSITY PRESS

Cambridge University Press
978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1
Jonathan Pereira
Frontmatter
[More information](#)

CAMBRIDGE
UNIVERSITY PRESS

University Printing House, Cambridge, CB2 8BS, United Kingdom

Published in the United States of America by Cambridge University Press, New York

Cambridge University Press is part of the University of Cambridge.
It furthers the University's mission by disseminating knowledge in the pursuit of
education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108068444

© in this compilation Cambridge University Press 2014

This edition first published 1854
This digitally printed version 2014

ISBN 978-1-108-06844-4 Paperback

This book reproduces the text of the original edition. The content and language reflect
the beliefs, practices and terminology of their time, and have not been updated.

Cambridge University Press wishes to make clear that the book, unless originally published
by Cambridge, is not being republished by, in association or collaboration with, or
with the endorsement or approval of, the original publisher or its successors in title.

Cambridge University Press
978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1
Jonathan Pereira
Frontmatter
[More information](#)

ELEMENTS
OF
MATERIA MEDICA.

Cambridge University Press
978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1
Jonathan Pereira
Frontmatter
[More information](#)

THE
ELEMENTS
OF
MATERIA MEDICA
AND
THERAPEUTICS.
BY
JONATHAN PEREIRA, M.D. F.R.S. & L.S.
FELLOW OF THE ROYAL COLLEGE OF PHYSICIANS IN LONDON:
ASSOCIATE OF THE COLLEGE OF PHYSICIANS OF PHILADELPHIA:
HONORARY MEMBER OF THE PHARMACEUTICAL SOCIETIES OF GREAT BRITAIN, ST. PETERSBURG,
AND PORTUGAL; OF THE PHYSICO-MEDICAL SOCIETY OF ERLANGEN;
AND OF THE ASSOCIATION OF HESSIAN PHYSICIANS:
CORRESPONDING MEMBER OF THE SOCIETY OF PHARMACY OF PARIS:
EXAMINER IN MATERIA MEDICA AND PHARMACY TO THE UNIVERSITY OF LONDON:
PROFESSOR OF MATERIA MEDICA TO THE PHARMACEUTICAL SOCIETY:
AND PHYSICIAN TO THE LONDON HOSPITAL.

Fourth Edition,
ENLARGED AND IMPROVED,
INCLUDING
NOTICES OF MOST OF THE MEDICINAL SUBSTANCES IN USE IN THE
CIVILIZED WORLD,
AND FORMING AN
Encyclopædia of Materia Medica.

VOL. I.
LONDON:
PRINTED FOR
LONGMAN, BROWN, GREEN, AND LONGMANS,
PATERNOSTER ROW.
1854.

Cambridge University Press
978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1
Jonathan Pereira
Frontmatter
[More information](#)

LONDON :
WILSON AND OGILVY,
Skinner Street.

PREFACE

TO THE FOURTH EDITION

IN presenting to the profession the fourth edition of the first volume of the *Elements of Materia Medica* of the late Dr. Pereira, the editors have endeavoured to carry out the plan of the author, by introducing in a concise form a selection of the most important and most recent additions to this branch of medical science. The rapid sale of the second part of the second volume is a satisfactory indication that their efforts to maintain the character of this valuable work have been so far successful.

In adopting the language of the author in his preface to the third edition, the editors take leave to remark, that many portions of the volume have been entirely re-written, some have been curtailed, others enlarged, and every part has been carefully corrected and, it is believed, much improved. Recent discoveries in natural history, chemistry, physiology, and practical medicine, relating to the MATERIA MEDICA, have been introduced into this edition, which, it is believed, will be found to contain a faithful outline of the present state of pharmacological knowledge. The views and opinions of the author have been in no case interfered with. The additions made by the editors have been introduced in brackets.

The numerous changes made in the London and Dublin Pharmaco-

pœias, since the publication of the former edition, have been duly noticed: in short, the editors have had in view the desire of the author, to render his work an *Encyclopædia of Materia Medica*, and they have endeavoured to make it, as it has hitherto proved, a safe and useful guide to the pharmacist and the medical practitioner.

ALFRED SWAINE TAYLOR.
GEORGE OWEN REES.

LONDON, *Nov.* 7, 1854.

CONTENTS OF VOL. I.

Title	PAGE
Title	i
Preface	iii
Table of Contents in Vol. I.	v
List of Woodcuts in Vol. I.	xxi
PROLEGOMENA.	
Definitions	1
PART I.—PSYCHICAL OR MENTAL REMEDIES.	
1. External affections of the mind (sensations)	2
2. Internal affections of the mind	5
1. The feelings	5
2. The intellect	6
PART II.—PHYSICAL BUT IMPONDERABLE REMEDIES.	
1. Light	7
1. Darkness	9
2. Dioptric instruments	9
3. Chromatic instruments	10
2. Heat	11
1. Radiant Heat	15
a. Solar heat	15
b. Artificial radiant heat	15
2. Conducted heat	15
a. Dry heat	15
1. Hot air-bath	15
2. Solid substances heated not above 100°	16
3. Metal heated to 212°	17
4. The actual cautery	17
b. Moist heat	17
a. Aqueous vapour	17
1. The vapour bath	17
2. The inhalation of warm vapour	19
3. Steam	20
b. Warm liquids and moist solids	20
1. Tepid, warm, and cold baths	20
2. Warm affusion	22
3. Warm fomentation and poultices	22
4. Warm aqueous drinks and injections	22
5. Boiling water	23

vi	CONTENTS.	PAGE
3. Cold		23
1. Cold by radiation		28
2. Cold by evaporation		28
3. Cold by conduction		28
a. Cold air		28
b. Cold liquids		28
α . used externally		28
1. Cold bath		29
2. Cold affusion		29
3. Shower bath		31
4. Douche		31
5. Washes		33
β . used internally		33
1. Cold drinks		33
2. Cold injections		34
Hydropathy		34
c. Cold solids: ice and snow		34
1. External use		34
2. Internal use		35
4. Electricity		35
1. Frictional electricity		50
2. Voltaic electricity		53
Electro-puncture		56
3. Magnetic electricity		56
α . Coil machines		56
β . Magneto-electric machines		58
5. Magnetism		58
PART III.—HYGIENIC REMEDIES.		62
1. Food		62
1. Chemical elements		62
2. Alimentary principles		63
3. Compound aliments		65
1. Solid Foods		65
2. Liquid foods or drinks		67
3. Condiments		68
2. Exercise		68
3. Climate		70
1. Phenomena of climates		70
2. Climates used as therapeutical agents		74
3. Diseases for which change of climate is employed		80
PART IV.—MECHANICAL AND SURGICAL REMEDIES.		82
PART V.—PHARMACOLOGICAL REMEDIES.		82
Definitions		82
DIV. I.—General Pharmacology.		83
1. Modes of ascertaining the effects of medicine		83
2. Active forces of medicines		89
3. Changes effected in medicines by the organism		91

CONTENTS.		vii
		PAGE
4. Physiological effects of medicines		93
1. Nature or quality of the effects		94
<i>α.</i> Brunonian theory		99
<i>β.</i> Doctrine of contra-stimulus		100
2. Locality or seat of the effects		102
3. Absorption of medicines		103
4. Operation of medicines by nervous agency		117
5. Circumstances which modify the effects		119
5. Therapeutical effects of medicines		123
Mode of production		123
Fundamental methods of cure		124
Antipathia		124
Homœopathia		125
Allopathia		127
6. Parts to which medicines are applied		130
7. Classification of medicines		137
1. Empirical arrangements		137
2. Rational arrangements		138
<i>α.</i> Classifications founded on the sensible qualities		139
<i>β.</i> Classifications founded on the natural-historical properties		140
<i>γ.</i> Classifications founded on the chemical constituents		147
<i>δ.</i> Classifications founded on the physiological effects		149
1. according to the general quality of the effects		149
2. according to Brunonian principles		154
3. according to the doctrine of contra-stimulus		154
4. according to the doctrine of Broussais		155
5. according to chemico-physiological principles		155
6. according to the part affected		155
<i>ε.</i> Classifications founded on therapeutical properties		157
7 (<i>bis</i>). Physiological classes of medicines		158
Class I. Topical remedies acting	{ mechanical antidotes	158
mechanically, p. 158	{ mechanical purgatives and anthelmintics	159
	{ dentifrices	159
Class II. Topical remedies acting	{ caustics	161
chemically, p. 160	{ astringents	162
	{ chemical antidotes	163
	{ disinfectants	166
Class III. Topical remedies acting	{ acrids	168
dynamically, p. 168	{ emollients	170
	{ <i>α.</i> physically	
	p. 172 { diluents	172
	inspissants	173
	{ spanæmics, or impoverishers of the blood	173
	<i>α.</i> thirst-quenching and refrigerant	174
Class IV. Hæmatics, or remedies acting on the blood	{ <i>β.</i> chemically	
p. 172	p. 173 { 1. alkalines	180
	2. salines	182
	3. iodics and bromics	186
	4. sulphurosa	187
	<i>γ.</i> antispasmodics	189
	<i>δ.</i> plumbeous or saturnine	190
	{ hæmatinics, or enrichers of the blood	193
	{ <i>γ.</i> dynamically	199

		PAGE
Class V. Pneumatics, or remedies acting on the organs of respiration p. 199	affecting the muscles of respiration ..	199
	affecting the ærian membrane ..	200
	diminishing the want of breath ..	200
	influencing the calorific functions ..	201
	refrigerants ..	202
	1. affecting the mind ; phrenics ..	204
	2. affecting sensibility ; æsthetics ..	208
	α. heightening it ; hyperæsthetics ..	208
	β. lowering it ; anæsthetics ..	208
	3. affecting voluntary and reflex spinal movements ; cinetics ..	211
	α. affecting the tonicity of muscles ..	211
	αα. augmenting it ; tonics ..	211
	ββ. depressing it ; relaxants ..	216
	β. affecting the irritability of muscles ..	216
	αα. augmenting it ; spastica ..	216
Class VI. Neurotics, or remedies acting on the nervous system p. 203	ββ. diminishing it ; paralytica ..	217
	γ. affecting volition ..	217
	δ. affecting the reflex-spinal functions ..	218
	4. affecting sleep ; hynics ..	219
	α. causing it ; hypnotics ..	219
	β. preventing it ; agrypnotics ..	219
	action of the cerebro-spinals ..	219
	mode by which they kill ..	220
	1. affecting the heart and arteries ..	222
	α. exciting them ; stimulants ..	222
	αα. ethereo-oily vegetables ..	224
	γγ. resinous ..	227
	ββ. ammoniacal and empyreumatic ..	230
	δδ. animal excretions ..	231
	εε. phosphorus ..	231
Class VII. Coeliacs, or remedies acting on the digestive organs p. 233	ζζ. spirituous and ethereal ..	232
	β. Depressing them ; sedantia ..	232
	2. affecting the alimentary canal ..	233
	1. enterics ..	233
	anthelmintics ..	234
	2. hepatics ..	238
	3. splenics ..	238
	4. sialics and pancreatics ..	239
	1. errhines ..	240
	2. expectorants ..	241
	3. emetics ..	243
	4. cathartics ..	246
	5. diaphoretics ..	251
	6. sialogogues ..	254
	7. cholagogues ..	255
Class VIII. Ecritics, or remedies acting on the excrement system p. 239	8. diuretics ..	256
	1. augmenting secretion ..	260
	2. diminishing secretion ..	260
	3. altering the quality of the secretions ..	262
	lithics ..	262

CONTENTS		ix
		PAGE
Class IX. Genetics, or remedies acting on the sexual organs .. p. 268	{ affecting the orgasm 268 aphrodisiacs 269 anaphrodisiacs 269 affecting the uterus 269 emmenagogues 269 ecbolics 270	
Div. II.— <i>Special Pharmacology.</i>		271
I.—INORGANIC BODIES.		
ORDER I.—OXYGEN AND ITS AQUEOUS SOLUTION		272
1. Oxygenium		272
1. <i>Aqua oxygenii</i>		277
2. <i>Ozone</i>		277
ORDER II.—HYDROGEN AND ITS COMPOUNDS WITH OXYGEN ..		279
2. Hydrogenium		279
<i>Aqua hydrogenii</i>		282
3. Aqua		282
1. <i>Aqua destillata</i>		288
2. <i>Aquæ medicatæ</i>		289
3. <i>Infusa</i>		289
4. <i>Decocta</i>		290
Division of natural waters		290
1. Aquæ communes		290
1. <i>Aqua pluvialis</i>		297
2. <i>Aqua fontana</i>		298
3. <i>Aqua ex puteo</i>		298
4. <i>Aqua ex flumine</i>		299
5. <i>Aqua ex lacu</i>		301
6. <i>Aqua ex palude</i>		301
2. Aqua marina		301
<i>Balneum maris factitium</i>		303
3. Aquæ minerales		303
Class 1. Chalybeate or ferruginous waters		305
<i>Order I. Carbonated chalybeates</i>		307
<i>Order II. Sulphated chalybeates</i>		307
Class 2. Sulphureous or hepatic waters		308
Class 3. Acidulous or carbonated waters		309
Class 4. Saline waters		311
<i>Order I. Purging saline waters</i>		311
<i>Order II. Salt or brine waters</i>		312
<i>Order III. Calcareous waters</i>		312
<i>Order IV. Alkaline waters</i>		313
<i>Order V. Siliceous waters</i>		313
Artificial mineral waters		316
4. Hydrogenii binoxydum		317
ORDER III.—CARBON AND CARBONIC ACID		317
5. Carbon		317
VOL. I.		b

X	CONTENTS.	PAGE
1.	Plumbago	318
2.	Carbo ligni	320
	<i>Cataplasma carbonis ligni</i>	322
3.	Carbo animalis	322
	<i>Carbo animalis purificatus</i>	326
6.	Carbonic acid	327
	<i>Aqua acidi carbonici</i>	333
	ORDER IV.—BORON AND BORACIC ACID	335
7.	Acidum boracicum	335
	ORDER V.*—SILICON AND SILICIC ACID	979
199.	Acidum silicicum	979
	ORDER V.—PHOSPHORUS AND PHOSPHORIC ACID	340
8.	Phosphorus	340
	1. <i>Amorphous</i>	980
	2. <i>Tinctura phosphori ætherea</i>	345
	3. <i>Oleum phosphoratum</i>	346
9.	Acidum phosphoricum	346
	ORDER VI.—SULPHUR, AND ITS COMPOUNDS WITH OXYGEN, HYDROGEN, AND CARBON	350
10.	Sulphur	350
	1. <i>Sulphur sublimatum</i>	356
	2. <i>Sulphur præcipitatum</i>	357
	3. <i>Unguentum sulphuris</i>	358
	4. <i>Unguentum sulphuris compositum</i>	358
	5. <i>Oleum sulphuratum</i>	358
	6. <i>Sulphur vivum</i>	359
11.	Acidum sulphuricum	359
	1. <i>Acidum sulphuricum dilutum</i>	372
	2. <i>Acidum sulphuricum aromaticum</i>	373
12.	Acidum sulphurosum	373
13.	Acidum hydrosulphuricum	375
	<i>Aqua acidi hydrosulphurici</i>	376
14.	Carbonii bisulphuretum	377
	ORDER VII.—CHLORINE, AND ITS COMBINATIONS WITH HYDRO- GEN AND SULPHUR	379
15.	Chlorinium	379
	1. <i>Aqua chlorinii</i>	385
	2. <i>Liquor chlorinii</i>	980
16.	Acidum hydrochloricum	387
	1. Gaseous hydrochloric acid	387
	2. Watery hydrochloric acid	390
	<i>Acidum hydrochloricum dilutum</i>	395
17.	Sulphuris dichloridum	396

CONTENTS.		xi
		PAGE
ORDER VIII.—IODINE, AND ITS COMBINATIONS WITH OXYGEN, HYDROGEN, SULPHUR, AND CARBON ..		396
18. Iodinium	(also Appendix, p. 980)	396
1. <i>Tinctura iodinii</i>		410
2. <i>Embrocatio iodinii</i>		411
3. <i>Iodidum amyli</i>		411
4. <i>Unguentum iodinii</i>		412
5. <i>Unguentum iodinii compositum</i>		412
6. <i>Emplastrum iodinii</i>		412
19. Acidum iodicum		412
20. Acidum hydriodicum		413
21. Sulphuris iodidum	(Appendix, p. 981)	413
1. <i>Unguentum sulphuris iodidi</i>		414
2. <i>Sulphuris iodatum</i>		981
22. Iodinii chloridum		414
ORDER IX.—BROMINE		415
23. Brominium		415
ORDER X.—NITROGEN, AND ITS COMPOUNDS WITH OXYGEN AND HYDROGEN		418
24. Nitrogenium		418
25. Nitrogenii protoxydum		419
<i>Aquæ nitrogenii protoxydi</i>		421
26. Nitrogenii binoxydum		422
27. Acidum nitricum		422
Liquid or watery nitric acid		423
1. <i>Acidum nitricum dilutum</i>		430
2. <i>Unguentum acidi nitrici</i>		431
28. Acidum nitro-hydrochloricum		432
<i>Balneum nitro-hydrochloricum</i>		433
29. Ammonia		433
1. Gaseous ammonia		434
2. Aqua ammoniæ		437
1. <i>Linimentum ammoniæ</i>		445
2. <i>Linimentum ammoniæ compositum</i>		445
3. <i>Unguentum ammoniæ</i>		446
4. <i>Tinctura ammoniæ composita</i>		446
5. <i>Spiritus ammoniæ</i>		446
30. Ammoniæ carbonates		447
1. Ammoniæ monocarbonas		449
1. <i>Spiritus ammoniæ fœtidus</i>		450
2. <i>Spiritus ammoniæ aromaticus</i>		450
2. Ammoniæ sesquicarbonas		451
1. <i>Liquor ammoniæ sesquicarbonatis</i>		457
2. <i>Linimentum ammoniæ sesquicarbonatis</i>		457
3. <i>Ammoniæ sesquicarbonas pyro-oleosa</i>		457
3. Ammoniæ bicarbonas		457
31. Ammoniæ hydrochloras		458
1. <i>Lotio ammoniæ hydrochloratis</i>		465
2. <i>Emplastrum ammoniæ hydrochloratis</i>		465

xii	CONTENTS.	
		PAGE
32.	Ammoniæ hydrosulphates	465
	1. Ammoniæ bihydrosulphas	465
	2. Boyle's fuming liquor of sulphur	468
33.	Ammoniæ sulphas	470
34.	Ammoniæ nitras	470
35.	Ammoniæ acetas	471
36.	Ammoniæ citras	473
37.	Ammoniæ tartras	473
38.	Ammoniæ oxalas	474
39.	Aër	474
	ORDER XI.—POTASSIUM AND ITS COMPOUNDS	478
40.	Potassium	478
41.	Potassa	478
	1. <i>Liquor potassæ</i>	484
	2. <i>Potassæ hydras</i>	486
	3. <i>Potassa cum calce</i>	488
42.	Potassæ carbonates	488
	1. Potassæ monocarbonas	488
	<i>Liquor potassæ carbonatis</i>	494
	2. Potassæ bicarbonas	494
	1. <i>Potassæ aqua effervescens</i>	497
	2. <i>Lemon and kali</i>	498
43.	Potassii tersulphuretum	498
	1. <i>Solutio potassii sulphureti</i>	501
	2. <i>Balneum sulphuratum</i>	501
	3. <i>Balneum sulphuratum et gelatinosum</i>	501
44.	Potassæ sulphates	502
	1. Potassæ monosulphas	502
	<i>Potassæ sulphas cum sulphure</i>	505
	2. Potassæ sesquisulphas	505
	3. Potassæ bisulphas	506
45.	Potassii chloridum	508
46.	Potassæ hypochloris	508
47.	Potassæ chloras	509
48.	Potassii iodidum	513
	1. <i>Unguentum potassii iodidi</i>	521
	2. <i>Unguentum iodinii compositum</i>	522
	3. <i>Tinctura iodinii composita</i>	522
	4. <i>Liquor potassii iodidi compositus</i>	522
	5. <i>Emplastrum potassii iodidi</i>	522
	6. <i>Solutiones potassii superiodidi</i>	523
	7. <i>Balneum potassii superiodidi</i>	523
49.	Potassii bromidum	524
	<i>Unguentum potassii bromidum</i>	527
50.	Potassii cyanidum	527
51.	Potassii ferrocyanidum	530
52.	Potassii ferridecyanidum	534
53.	Potassæ nitras	535
	<i>Inhalatio nitrosa</i>	545
54.	Potassæ acetas	546
55.	Potassæ tartrates	548
	1. Potassæ tartras	548

CONTENTS.		xiii
		PAGE
2. Potassæ tartras acida		550
1. <i>Potus imperialis</i>		553
2. <i>Serum lactis tartarisatum</i>		553
56. Potassæ boro-tartras		553
57. Potassæ citras		553
58. Potassæ oxalates		554
1. Potassæ monoxalas		554
2. Potassæ binoxalas		554
3. Potassæ quadroxalas		555
ORDER XII.—COMPOUNDS OF SODIUM		555
59. Soda		555
60. Sodæ carbonates		556
1. Sodæ monocarbonas		556
<i>Sodæ carbonas exsiccata</i>		562
2. Sodæ sesquicarbonas		562
3. Sodæ bicarbonas		564
1. <i>Pulveres effervescentes</i>		568
2. <i>Pulveres effervescentes citrati</i>		568
3. <i>Pulveres sedlitzenses</i>		568
4. <i>Aqua sodæ effervescens</i>		569
5. <i>Sodæ carbonatis liquor</i>		569
6. <i>Trochisci sodæ bicarbonatis</i>		569
61. Sodæ biboras		569
<i>Mel boracis</i>		573
62. Sodæ phosphas		574
<i>Solutio sodæ phosphatis</i>		577
63. Sodæ hyposulphis		577
64. Sodæ bisulphis		578
65. Sodæ sulphas		579
66. Sodii chloridum		580
<i>Enema commune</i>		589
67. Sodæ hypochloris		589
1. <i>Gargarisma sodæ chlorinata</i>		594
2. <i>Lotio sodæ chlorinata</i>		594
3. <i>Injectio sodæ chlorinata</i>		594
4. <i>Cataplasma sodæ chlorinata</i>	(Appendix, p. 981)	594
68. Sodæ nitras		594
69. Sodæ acetas		596
70. Sodæ valerianas		597
71. Sodæ tartras		597
72. Potassæ et sodæ tartras		597
73. Sapones sodaici et potassici		599
1. <i>Linimentum saponis</i>		605
2. <i>Ceratum saponis</i>		605
3. <i>Emplastrum saponis</i>		605
4. <i>Emplastrum resinæ</i>		606
ORDER XIII.—COMPOUNDS OF LITHIUM		606
74. Lithiæ carbonas		606

xiv	CONTENTS.	
	ORDER XIV.—COMPOUNDS OF BARIUM	PAGE 607
75.	Barii oxydum	607
76.	Barytæ carbonas	608
77.	Barytæ sulphas	609
78.	Barii chloridum	610
	<i>Liquor barii chloridi</i>	614
79.	Barii iodidum	614
80.	Barytæ nitras	614
	<i>Solutio barytæ nitratis</i>	615
	ORDER XV.—COMPOUNDS OF CALCIUM	615
81.	Calx	615
	1. <i>Liquor calcis</i>	619
	2. <i>Linimentum calcis</i>	619
82.	Calcis carbonates	619
	1. Calcis carbonas	620
	1. <i>Mistura cretæ</i>	624
	2. <i>Pulvis cretæ compositus</i>	624
	3. <i>Trochisci cretæ</i>	624
	4. <i>Camphorated cretaceous tooth-powder</i>	624
	2. Calcis bicarbonas	625
83.	Calcis triphosphas	625
84.	Calcii chloridum	628
	<i>Liquor calcii chloridi</i>	630
85.	Calcis hypochloris	(Appendix, page 981) 631
	1. <i>Calcis chlorinatæ liquor</i>	641
	2. <i>Lotio calcis chlorinatæ</i>	641
	3. <i>Gargarisma calcis chlorinatæ</i>	641
	4. <i>Dentifricium calcis chlorinatæ</i>	641
	5. <i>Enema calcis chlorinatæ</i>	641
	6. <i>Unguentum calcis chlorinatæ</i>	642
	7. <i>Trochisci calcis chlorinatæ</i>	642
	ORDER XVI.—COMPOUNDS OF MAGNESIUM	642
86.	Magnesia	642
87.	Magnesiae carbonates	647
	1. Magnesiae subcarbonas hydrata	647
	<i>Trochisci magnesiae</i>	654
	2. Magnesiae bicarbonas	654
88.	Magnesiae sulphas	655
	1. <i>Pulvis salinus compositus</i>	659
	2. <i>Enema catharticum</i>	(Appendix, page 982) 659
89.	Magnesiae citras	659
90.	Magnesiae tartras	660
	ORDER XVII.—COMPOUNDS OF ALUMINUM	660
91.	Alumina	660
	1. <i>Aluminæ hydras</i>	660
	2. <i>Terræ aluminosæ</i>	661

CONTENTS.		XV
		PAGE
92. Alumen potassicum		662
1. <i>Alumen exsiccatum</i>		670
2. <i>Liquor aluminis compositus</i>		670
3. <i>Pulvis aluminis compositus</i>		670
93. Alumen ferricum		670
94. Aluminæ acetat		671
ORDER XVIII.—COMPOUNDS OF CHROMIUM		671
95. Acidum chromicum		671
96. Potassæ chromates		672
1. Potassæ chromas		672
2. Potassæ bichromas		673
ORDER XIX.—COMPOUNDS OF MANGANESE		674
97. Manganesii binoxydum		674
98. Manganesii carbonas		676
99. Manganesii sulphas		677
100. Manganesii chloridum		679
101. Manganesii acetat		680
102. Potassæ permanganas		680
ORDER XX.—ARSENIC AND ITS COMPOUNDS		681
103. Arsenicum		681
104. Acidum arseniosum		682
1. <i>Liquor potassæ arsenitis</i>		718
2. <i>Liquor arsenici chloridi</i>		719
3. <i>Arsenici et hydrargyri hydriodatis liquor</i>		721
4. <i>Pilulæ asiaticæ</i>		721
5. <i>Unguentum arsenici</i>		721
6. <i>Pasta arsenicalis</i>		721
105. Arsenici sulphureta		721
1. Arsenici bisulphuretum		721
2. Arsenici tersulphuretum		722
106. Arsenici teriodidum		722
Arsenici superiodidum		723
ORDER XXI.—ANTIMONY AND ITS COMPOUNDS		723
107. Antimonium		723
108. Antimonii teroxydum		724
109. Pulvis antimonii compositus		727
110. Antimonii tersulphuretum		731
1. Antimonii tersulphuretum crystallisatum		731
<i>Antimonii sulphuretum præparatum</i>		733
2. Antimonii tersulphuretum amorphum		734
a. <i>Kermes minerale</i>		734
β. <i>Antimonii tersulphuretum præcipitatum</i>		734
111. Antimonii pentasulphuretum		739
112. Antimonii terchloridum		740
<i>Antimonii terchloridi liquor</i>		741

xvi	CONTENTS.	
		PAGE
113.	Antimonii et potassæ tartras	741
	1. <i>Vinum antimonii potassio-tartratis</i>	756
	2. <i>Unguentum antimonii potassio-tartratis</i>	756
	ORDER XXII.—BISMUTH AND ITS COMPOUNDS	757
114.	Bismuthum	757
115.	Bismuthi nitras	758
	ORDER XXIII.—ZINC AND ITS COMPOUNDS	761
116.	Zincum	761
117.	Zinci oxydum	763
	1. <i>Unguentum zinci</i>	766
	2. <i>Ceratum calaminæ</i>	766
118.	Zinci carbonas	766-68
	1. <i>Calamina præparata</i>	768
	2. <i>Ceratum calaminæ</i>	768
	3. <i>Ceratum zinci carbonatis</i>	769
119.	Zinci sulphas	769
120.	Zinci chloridum	772
	<i>Zinci chloridi liquor</i>	775
121.	Zinci acetas	776
122.	Zinci valerianas	777
123.	Zinci cyanidum	777
	ORDER XXIV. CADMIUM AND ITS COMPOUNDS	778
124.	Cadmium	778
125.	Cadmii sulphas	778
	ORDER XXV.—TIN AND ITS COMPOUNDS	779
126.	Stannum	779
	<i>Stanni pulvis</i>	780
127.	Stanni bisulphuretum	781
128.	Stanni chloridum	781
	ORDER XXVI.—LEAD AND ITS COMPOUNDS	781
129.	Plumbum	781
130.	Plumbi oxydum	790
	1. <i>Emplastrum lithargyri</i>	811
	2. <i>Calcis plumbis</i>	791
131.	Plumbi oxydum rubrum	791
132.	Plumbi carbonas	793
	<i>Unguentum plumbi carbonatis</i>	797
133.	Plumbi chloridum	797
134.	Plumbi iodidum	799
	<i>Unguentum plumbi iodidi</i>	801
135.	Plumbi nitras	801
136.	Plumbi acetates	803
	1. Plumbi acetas	803
	1. <i>Ceratum plumbi acetatis</i>	808
	2. <i>Pilule plumbi opiatæ</i>	808

CONTENTS.		xvii
		PAGE
2. Plumbi diacetat		808
1. <i>Liquor plumbi diacetatis dilutus</i>		810
2. <i>Ceratum plumbi compositum</i>		811
3. <i>Ceratum saponis compositum</i>		810
137. Emplastrum plumbi		811
1. <i>Emplastrum resinæ</i>		812
2. <i>Emplastrum saponis</i>		812
3. <i>Unguentum plumbi compositum</i>		812
138. Plumbi saccharas		813
139. Plumbi tannas		813
ORDER XXVII.—IRON AND ITS COMPOUNDS		814
140. Ferrum		814
1. <i>Ferrum in fila tractum</i>		818
2. <i>Ferri pulvis</i>		818
141. Ferri oxydum nigrum		820
142. Ferri sesquioxydum		822
<i>Emplastrum ferri</i>		824
143. Ferri sesquioxydum hydratum		824
144. Ferri carbonas		827
1. <i>Ferri carbonas saccharatum</i>		828
2. <i>Mistura ferri composita</i>		829
3. <i>Mistura ferri aromatica</i>		830
4. <i>Pilulæ ferri compositæ</i>		830
5. <i>Ferri supercarbonas</i>		830
145. Ferri phosphates		831
1. Ferri phosphas		831
2. Ferri perphosphas		832
3. Ferri subperphosphas		832
146. Ferri sulphuretum		833
<i>Ferri sulphuretum hydratum</i>		834
147. Ferri sulphas		835
1. <i>Ferri sulphas exsiccatum</i>		839
2. <i>Pilulæ ferri sulphatis</i>		839
148. Ferri persulphas		840
149. Ferri sesquichloridum		840
<i>Tinctura ferri sesquichloridum</i>		841
150. Ferri ammonio-chloridum		845
<i>Tinctura ferri ammonio-chloridi</i>		846
151. Ferri iodidum		847
1. <i>Ferri iodidum syrupus</i>		850
2. <i>Pilulæ ferri iodidi</i>		852
152. Ferri ferro-sesquicyanidum		852
153. Ferri pernitras		855
154. Ferri arsenias		856
155. Ferri acetat		857
<i>Ferri acetatis tinctura</i>		858
156. Ferri lactas		859
157. Ferri tannas		859
158. Ferri valerianas		860
159. Ferri citrates		860
1. Ferri protocitras		860
2. Ferri percitras		860

xviii	CONTENTS.	
		PAGE
160.	Ammoniæ ferrico-citras	860
161.	Ammoniæ ferrico-tartras	863
162.	Potassæ ferrico-tartras	864
	<i>Vinum ferri</i>	867
	ORDER XXVIII.—COPPER AND ITS COMPOUNDS	867
163.	Cuprum	867
164.	Cupri sulphas	871
	<i>Cuprum aluminatum</i>	874
165.	Ammoniæ cupro-sulphas	875
	1. <i>Pilulæ cupri ammoniati</i>	877
	2. <i>Cupri ammonio-sulphas</i>	877
	3. <i>Liquor cupri ammonio-sulphatis</i>	877
166.	Cupri acetates	877
	1. Cupri subacetates	877
	1. <i>Cupri subacetæ præparatum</i>	879
	2. <i>Linimentum æruginis</i>	879
	3. <i>Unguentum cupri subacetatis</i>	879
	2. Cupri acetas	880
	ORDER XXIX.—MERCURY AND ITS COMPOUNDS	880
167.	Hydrargyrum	880
	<i>Hydrargyrum purum</i>	902
168.	Hydrargyrum cum cretâ	903
169.	Hydrargyrum cum magnesiâ	904
170.	Pilulæ hydrargyri	904
171.	Unguentum hydrargyri	905
	1. <i>Ceratum hydrargyri compositum</i>	908
	2. <i>Linimentum hydrargyri</i>	908
172.	Emplastrum hydrargyri	908
	<i>Emplastrum ammoniaci cum hydrargyro</i>	909
173.	Hydrargyri suboxydum	909
	<i>Lotio nigra</i>	910
174.	Hydrargyri oxydum rubrum	910
	<i>Lotio flava</i>	912
175.	Hydrargyri nitrico-oxydum	912
	<i>Unguentum hydrargyri nitrico-oxydum</i>	914
176.	Hydrargyri sulphuretum	914
	1. Hydrargyri sulphuretum crystallisatum	914
	2. Hydrargyri sulphuretum amorphum	916
177.	Hydrargyri sulphates	917
	1. Hydrargyri subsulphas flavus	917
	2. Hydrargyri persulphas	918
178.	Hydrargyri subchloridum (<i>calomelas</i>)	919
	1. <i>Pilula hydrargyri chloridi composita</i>	928
	2. <i>Pilulæ calomelanos et opii</i>	928
	3. <i>Unguentum hydrargyri chloridi</i>	928
	4. <i>Pilulæ cathartica compositæ</i>	929
179.	Hydrargyri perchloridum (<i>sublimatus corrosivus</i>)	929
	<i>Liquor hydrargyri bichloridi</i>	937
180.	Hydrargyri amido-chloridum	938
	<i>Unguentum hydrargyri amido-chloridi</i>	940

CONTENTS.		xix
		PAGE
181. Hydrargyri iodida		940
1. Hydrargyri subiodidum		940
<i>Unguentum hydrargyri iodidi</i>		941
2. Hydrargyri periodidum		942
1. <i>Unguentum hydrargyri rubri iodidi</i>		944
2. <i>Liquor arsenici et hydrargyri hydriodatis</i>		944
182. Hydrargyri percyanidum		946
183. Potassii et hydrargyri iodo-cyanidum		949
184. Hydrargyri nitrates		949
1. Hydrargyri protonitras		949
2. Hydrargyri dipernitras		950
1. <i>Liquor hydrargyri pernitratis</i>		951
2. <i>Unguentum hydrargyri nitratis</i>		952
3. <i>Unguentum hydrargyri nitratis mitius</i>		954
185. Hydrargyri acetas		954
ORDER XXX.—SILVER AND ITS COMPOUNDS		954
186. Argentum		954
<i>Argentum purificatum</i>		956
187. Argenti oxydum		957
188. Argenti chloridum		959
189. Argenti cyanidum		960
190. Argenti nitras		961
1. <i>Liquor argenti nitratis</i>		971
2. <i>Solutio argenti ammoniati</i>		972
ORDER XXXI.—GOLD AND ITS COMPOUNDS		972
191. Aurum		972
<i>Pulvis auri</i>		973
192. Auri teroxydum		974
1. <i>Aurum fulminans</i>		974
2. <i>Purpura mineralis cassii</i>		974
193. Auri terchloridum		974
194. Auri iodidum		975
195. Sodii auro-terchloridum		977
196. Auri tercyanidum		977
ORDER XXXII.—COMPOUNDS OF PLATINUM		977
197. Platini bichloridum		977
198. Sodii platino-bichloridum		978

Cambridge University Press
978-1-108-06844-4 - The Elements of Materia Medica and Therapeutics: Volume 1
Jonathan Pereira
Frontmatter
[More information](#)

LIST OF WOODCUTS IN VOL. I.

FIG.	PAGE	FIG.	PAGE
1. Apparatus for medical electricity	49	42. Oblique rectangular prism	146
2. Diagram illustrative of the electrical machine	50	43. Oblique octohedron with a rhombic base	146
3. Diagram illustrative of the voltaic current	54	44. Oblique rhombic prism	146
4. Plan of Cruickshank's battery	55	45. Forms of the doubly-oblique system	147
5. The magnetic field	59	46. Doubly-oblique octohedron	147
6. Festuca quadridentata	86	47. Doubly-oblique prism	147
7. Amanita muscaria	108	48. Manufacture of animal charcoal and bone spirit	323
8. Apparatus to illustrate physical absorption	111	49. } Tyler's improved soda water apparatus	334
9. } Apparatus used by Messrs. Morgan and Addison in their experiments on the absorption of poisons	115	50. }	337
10. }		51. Boracic acid lagoons	337
11. }		52. Chambers for crystallising and drying boracic acid	338
12. } Ditto	116	53. Distillation of native sulphur	351
13. }		54. Distillation of sulphur	352
14. }		55. Crystalline form of native sulphur	353
15. } Ditto	117	56. Crystalline form of sulphur by fusion	353
16. }		57. Sarcopes hominis	355
17. Forms of the cubic system	142	58. Microscopic appearance of sublimed sulphur	356
18. Octohedron	142	59. Microscopic appearance of pure precipitated sulphur	357
19. Dodecahedron	142	60. Microscopic appearance of commercial precipitated sulphur	357
20. Cube	142	61. Cascade de Vinagre	359
21. Regular tetrahedron	142	62. Oil of vitriol chamber	361
22. } Images caused by the action of calcareous spar on polarised light	143	63. Oil of vitriol manufactory	361
23. }		64. Plan of an oil of vitriol manufactory	364
24. Forms of the square prismatic system	143	65. Gallery for the distillation of fuming sulphuric acid	364
25. Square octohedron	143	66. } Inhaling bottles	384
26. Square prism	143	67. }	
27. Combination of octohedron and prism	143	68. Apparatus for making hydrochloric acid	390
28. Forms of the rhombohedric system	144	69. Pure hydrochloric acid apparatus	391
29. Rhombohedron	144	70. Iodine still and receiver	398
30. Hexagonal prism	144	71. Apparatus for detecting nitric acid	426
31. Combination of the rhombohedron with the hexagonal prism	144	72. Manufacture of sesquicarbonate of ammonia	452
32. Scalenohedron	144	73. Sublimation of hydrochlorate of ammonia	460
33. } Images caused by the action of nitre on polarised light	145	74. Octohedron } of sal ammoniac	462
34. }		75. Cube }	
35. Forms of the right prismatic system	145	76. } Crystals of bicarbonate of potash	496
36. Octohedron with a rectangular base	145	77. }	
37. Right rectangular prism	145	78. } Crystals of sulphate of potash	503
38. Octohedron with a rhombic base	145	79. }	
39. Right rhombic prism	145	80. }	
40. Forms of the oblique prismatic system	146		
41. Oblique octohedron with a rectangular base	146		

FIG.	PAGE	FIG.	PAGE
81. Tessellated appearance of a plate of sulphate of potash in polarised light	503	116. Section of an arsenic roasting furnace	683
82. Prism of bisulphate of potash	507	117. Arsenic condensing chamber	683
83. Crystal of chlorate of potash	511	118. Arsenic refining furnace	683
84. Egg-shaped iron pots and furnaces used for the manufacture of ferrocyanide of potassium	531	119. Octohedron } of arsenious acid	685
85. Truncated octohedron of ferrocyanide of potassium	532	120. Tetrahedron }	
86. Octohedron (primary form) of ferrocyanide of potassium	532	121. Sublimed crystals of arsenious acid in glass tube	686
87. Crystal of nitre	540	122. Berzelius's arsenic reduction tube	687
88. Prism of ditto	540	123. Apparatus for passing sulphuretted hydrogen through metallic solutions	690
89. Crystal of tartrate of potash	549	124. Ditto	691
90. } Ditto of bitartrate of potash	551	125.)	
91. }		126.) Marsh's apparatus	693
92. Carbonate of soda furnace	559	127.)	
93. } Crystals of carbonate of soda	560	128.)	
94. }		129. Apparatus for subjecting arseniuretted hydrogen to the action of heat or nitrate of silver	694
95. Prism of sulphate of soda	579	130. Crystal of realgar	722
96. Section of a salt mine	582	131. Crystal of orpiment	722
97. Common salt pan	583	132. Octohedron of emetic tartar	743
98. Plan of salt marshes	583	133. Apparatus for passing sulphuretted hydrogen through a solution of emetic tartar	743
99. Cavernous cube of common salt	586	134. Apparatus for reducing tersulphuret of antimony	743
100. } Crystals of tartarised soda	598	135. Sirocrocis stibica in emetic tartar	744
101. }		136. Cube } of bismuth	758
102. } Apparatus for the manufacture of chloride of lime	631	137. Octohedron }	
103. }		138. Crystal of sulphate of zinc	770
104. Chlorometer	636	139. Wrist-drop }	
105. Calcined magnesia furnace	643	140. Emaciated condition } in paralysis of the flexors of the thumb } from lead	786
106. Microscopic appearance of common calcined magnesia	644	141. Crystal of acetate of lead	804
107. Microscopic appearance of heavy calcined magnesia	644	142. Crystal of sulphate of iron	837
108. Manufacture of heavy carbonate of magnesia	649	143. Prism of sulphate of copper	872
109. Microscopic appearance of light carbonate of magnesia	651	144. Henry's apparatus for the sublimation of calomel	921
110. Microscopic appearance of heavy carbonate of magnesia	651	145. Crystal of calomel	921
111. Microscopic appearance of heavy carbonate of magnesia by polarised light	651	146. Corrosive sublimate furnaces	930
112. Crystals of carbonate of magnesia from Dinneford's solution	654	147. Crystal of corrosive sublimate	930
113. } Crystals of sulphate of magnesia	656	148. Apparatus for testing a solution of corrosive sublimate	931
114. }		149. Crystal of percyanide of mercury	947
115. Crystal of alum	664	150. Ditto, with modified planes	947
		151. Crystal of nitrate of silver	962

CORRIGENDA.

Page.	Line.	
4	2	from foot, in reference, <i>for</i> “Lib. iii. c. 2,” <i>read</i> “c. 27.”
158	19	from foot, <i>for</i> “topical,” <i>read</i> “local.”
175	14	from top, <i>for</i> “alimencary,” <i>read</i> “alimentary.”
373	7	from foot, <i>for</i> “2SO ² ,” <i>read</i> “SO ² .”
301	17	from foot, <i>for</i> “chloride of magnesium,” <i>read</i> “chloride of sodium,” and <i>vice versâ</i> .
474	9	from top, <i>for</i> “Edinburgh Pharmacopœia,” <i>read</i> “London and Edinburgh Pharmacopœias.”
605	12	from top, <i>dele</i> the words “Soap,” to “L. D.” The line should commence with “Castile Soap, ʒiiss.”
605	15	from top, <i>for</i> “Spirit of Rosemary,” <i>read</i> “Proof Spirit.”
614	19	from top, after Chloride of Barium, <i>for</i> “ʒj.” <i>read</i> “ʒj.”
832	12	from foot, <i>for</i> “Superphosphas,” <i>read</i> “Subperphosphas.”