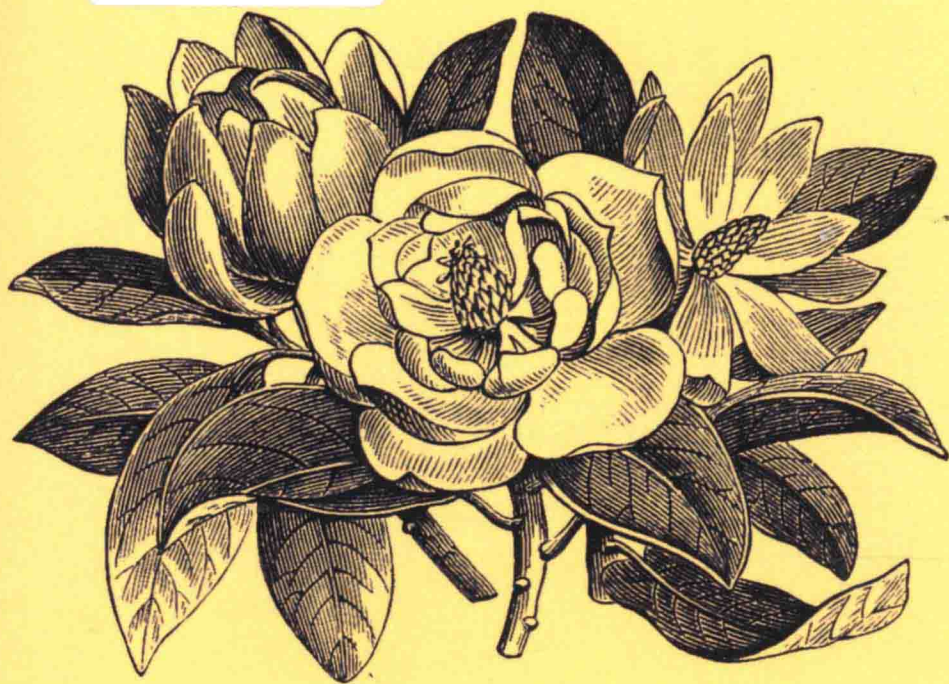


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THE ELEMENTS OF MATERIA MEDICA AND THERAPEUTICS

VOLUME 2 – PART 2

JONATHAN PEREIRA

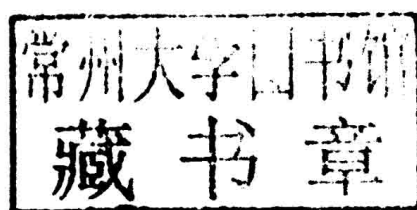


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The Elements of Materia Medica and Therapeutics

VOLUME 2 - PART 2

JONATHAN PEREIRA



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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 2 is divided into two parts. Part 2 (1857) contains new articles, additional illustrations and a separate index. It concludes the analysis of organic compounds, both vegetable and animal.

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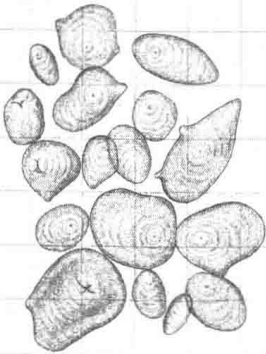
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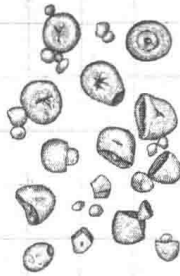
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OF
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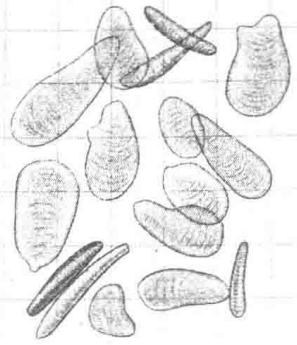
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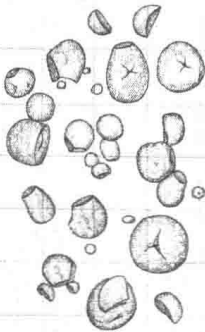
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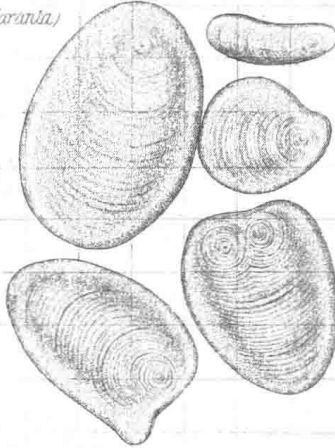
11 Portland Arrowroot (*Anon.*)



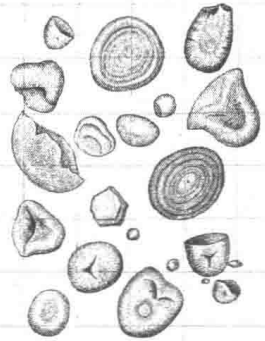
12 East India Arrowroot (*Curcuma*)



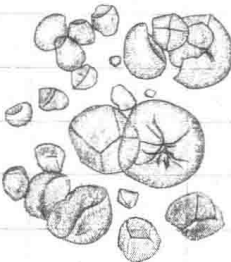
14 Cassava (*Manihot*)



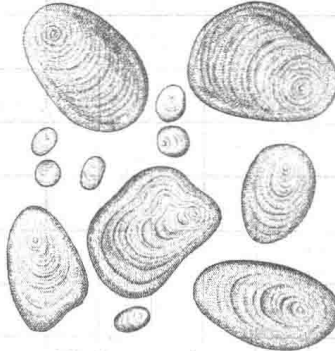
13 Tous les Mois (*Conna*)



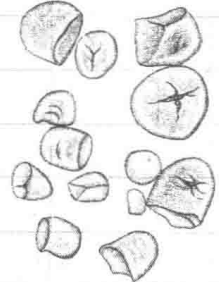
15 Tapioca (*Manihot*)



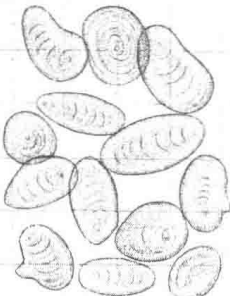
16 *Cycas*,



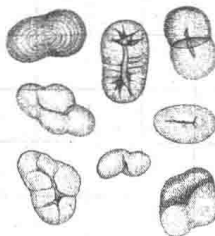
17 Potato (*Solanum*)



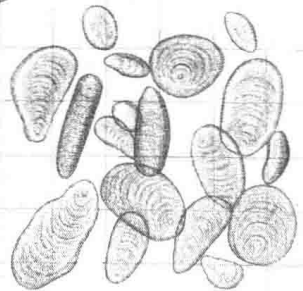
18 Tahiti Arrowroot (*Tacca*)



19 Yarn (*Proscovia*)



20 Pea (*Pisum*)



21 Plantain (*Musa*)

THE
ELEMENTS
OF
MATERIA MEDICA
AND
THERAPEUTICS.

BY
JONATHAN PEREIRA, M.D. F.R.S. & L.S.

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AND PHYSICIAN TO THE LONDON HOSPITAL.

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

VOL. II. PART II.

L O N D O N :
LONGMAN, BROWN, GREEN, LONGMANS, AND ROBERTS.
1857.

LONDON :
Printed by SPOTTISWOODE & Co.
New-street Square.

P R E F A C E .

By the publication of this volume the fourth edition of the Elements of Materia Medica and Therapeutics is brought to a completion. The Author died while the third edition of the present volume was passing under his revision; and it devolved upon the Editors to complete that which he had commenced. In the short period of three years a new edition has been called for; and in this second revision of the volume, the Editors have endeavoured to improve the work, both in matter and arrangement. The additions made on the present occasion amount to nearly one hundred pages. They include twenty new articles and fifteen additional illustrations. The articles on CHLOROFORM and COD LIVER OIL have been re-written. Numerous additions have been made to the sections on the vegetable alkaloids and principles, some of which are for the first time described in this volume. These will be found under the articles *Conia*, *Cotarnine*, *Opianine*, *Opianic Acid*, *Narcogenine*, *Papaverine*, *Helleborine*, *Aconitine*, *Berberine*, and other similar compounds. The reader will also find, in their appropriate places, short notices of *Amylene* and *Pepsine*, two substances which have been quite recently introduced into medical practice. To the pharmaceutical compounds described in the previous editions many new preparations have been added from the Pharmacopœias of Norway and the United States. The Editors have also transferred to

this volume various new articles of *Materia Medica* but little known in this country, which have been incorporated with the third American edition by Dr. Carson.

The volume has been separately paged, and is provided with a separate index. Some articles which more appropriately belonged to other parts of the work, have been transferred to the other volumes. In spite of this it will be perceived that there is a great increase of matter, both in the text and in the notes. Acting upon the rule which they have hitherto pursued, the Editors have not interfered with the views of the Author; they have simply added in brackets such notes and remarks as appeared to them to be required in the present state of science. The fourth edition of this standard scientific work now comprises upwards of two thousand five hundred pages, including five hundred and eighty-six articles of *Materia Medica*, of which one hundred and ninety-eight are contained in the first volume, under the head of MINERAL SUBSTANCES, and three hundred and eighty-eight in the two parts of the second volume, comprising VEGETABLE AND ANIMAL SUBSTANCES. These are illustrated by four hundred and seventy-eight engravings. Of the value of the matter thus contributed to the medical literature of the day, the Editors feel themselves at liberty to speak, since the Author is now no more, and they have merely aided in carrying out his views. Their opinion is the expression of the opinion of the whole profession, both in this and foreign countries,—namely, that in copiousness of details, in extent, variety, and accuracy of information, and in a lucid explanation of difficult and recondite subjects, it surpasses all other works on *Materia Medica* hitherto published. The history of a drug, as it is given in these volumes, is not a dry description of its physical characters and its medicinal uses. Philology, Natural History, Botany, Chemistry, Physics, and the Microscope, are all brought forward to

elucidate the subject; and the reader thus acquires a full scientific knowledge of each article of *Materia Medica* before he is introduced to a description of its effects on plants, animals, and man, or to the various theories of its operation, and the different uses to which it has been applied in ancient and modern times. It is a peculiar feature in the writings of the Author,—one which is stamped upon every page of this treatise,—that he was not satisfied until he had thoroughly exhausted the subject. His references to ancient and modern authorities are constant and numerous: he has gone to all sources which are capable of yielding information, and has fairly acknowledged his obligations to those by whose learning, experience, or research, he has profited. He has thus succeeded in transforming the substance of an unpretending course of lectures into a complete *Encyclopædia* of *Materia Medica*.

That the labours of the Author, are fully appreciated by the profession is proved by the fact that, since his decease, within the short period of four years a new edition of each volume has been called for, and two editions of the present volume have issued from the press.

ALFRED SWAINE TAYLOR.
GEORGE OWEN REES.

London, May 1857.

CONTENTS OF VOL. II.

PART II.

	PAGE
Preface to Part II. of Vol. II.	iii
'Table of Contents in Vol. II. Part II.	vii
List of Woodcuts in Vol. II. Part II.	xxiii

II.—ORGANIC BODIES.

F. Vegetabilia.—Vegetables.—continued.

ORDER LI.—PYROLACEÆ	1
214. <i>Chimaphila umbellata</i>	1
<i>Decoctum chimaphilæ</i>	3
ORDER LII.—ERICACEÆ	3
215. <i>Arctostaphylos Uva Ursi</i>	4
1. <i>Decoctum uvæ ursi</i>	6
2. <i>Extractum uvæ ursi</i>	7
216. <i>Gaultheria procumbens</i>	7
ORDER LIII.—LOBELIACEÆ	8
217. <i>Lobelia inflata</i>	8
1. <i>Tinctura lobeliæ</i>	13
2. <i>Tinctura lobeliæ ætherea</i>	14
218. <i>Lobelia syphilitica</i>	14
ORDER LIV.—COMPOSITÆ	15
<i>Suborder I.—Tubulifloræ</i>	
<i>Tribe I.—Vernoniaceæ</i>	15
<i>Tribe II.—Eupatoriaceæ</i>	15
219. <i>Tussilago Farfara</i>	16
<i>Tribe III.—Asteroideæ</i>	16
220. <i>Inula Hellenium</i>	16

						PAGE
	<i>Tribe IV.—Senecionideæ</i>	...	...	...	...	18
221.	<i>Anthemis nobilis</i>	...	...	...	...	18
	1. <i>Infusum anthemidis</i>	...	...	...	...	20
	2. <i>Extractum anthemidis</i>	...	...	...	...	20
	3. <i>Oleum anthemidis</i>	...	...	...	...	21
222.	<i>Anacyclus Pyrethrum</i>	...	...	...	...	22
223.	<i>Artemisia Absinthium</i>	...	...	...	...	24
224.	<i>Artemisia Moxa</i>	...	...	...	...	25
225.	<i>Artemisia</i> (wormseed)	...	...	...	...	26
226.	<i>Tanacetum vulgare</i>	...	...	...	...	26
227.	<i>Arnica montana</i>	...	...	...	...	26
	<i>Tribe V.—Cynareæ</i>	...	...	...	...
228.	<i>Carthamus tinctorius</i>	...	...	...	...	28
	<i>Suborder II.—Labiatifloræ</i>	...	...	...	...	29
	<i>Tribe VI.—Mutisiaceæ</i>	...	...	...	...	29
	<i>Tribe VII.—Nassauviaceæ</i>	...	...	...	...	29
	<i>Suborder III.—Ligulifloræ</i>	...	...	...	...	29
	<i>Tribe VIII.—Cichoraceæ</i>	...	...	...	...	30
229.	<i>Taraxacum officinale</i>	...	...	...	...	30
	1. <i>Infusum Taraxaci</i>	...	...	...	...	33
	2. <i>Decoctum taraxaci</i>	...	...	...	...	33
	3. <i>Extractum taraxaci</i>	...	...	...	...	33
230.	<i>Lactuca sativa</i>	...	...	...	...	34
	<i>Extractum lactucæ</i>	...	...	...	...	35
231.	<i>Lactuca virosa</i>	...	...	...	...	35
	1. <i>Lactucarium</i>	...	...	...	...	36
	2. <i>Tinctura lactucarîi</i>	...	...	...	...	40
	3. <i>Trochisci lactucarîi</i>	...	...	...	...	40
232.	<i>Cichorium Intybus</i>	...	...	...	...	40
	ORDER LV.—VALERIANACEÆ	...	...	...	...	42
233.	<i>Valeriana officinalis</i>	...	...	...	...	43
	1. <i>Infusum valerianæ</i>	...	...	...	...	46
	2. <i>Tinctura valerianæ</i>	...	...	...	...	47
	3. <i>Tinctura valerianæ composita</i>	...	...	...	...	47
	4. <i>Extractum valerianæ</i>	...	...	...	...	47
	5. <i>Sodæ valerianas</i>	...	...	...	...	47
	6. <i>Zinci valerianas</i>	...	...	...	...	48
	7. <i>Ferri valerianas</i>	...	...	...	...	50
	8. <i>Quinæ valerianas</i>	...	...	...	...	51
	ORDER LVI.—RUBIACEÆ	...	...	...	...	52
	<i>Suborder I.—Coffeaceæ</i>	...	...	...	...	52
234.	<i>Rubia tinctorum</i>	...	...	...	...	52

	PAGE
235. <i>Cephaelis Ipecacuanha</i>	53
1. <i>Vinum ipecacuanhæ</i>	64
2. <i>Syrupus ipecacuanhæ</i>	64
3. <i>Pulvis ipecacuanhæ compositus</i>	65
4. <i>Pilula ipecacuanhæ cum scilla</i>	66
5. <i>Pilula ipecacuanhæ et opii</i>	66
6. <i>Trochisci morphicæ et ipecacuanhæ</i>	66
236. <i>Psychotria emetica</i>	66
237. <i>Richardsonia scabra</i>	67
238. <i>Coffea arabica</i>	67
239. <i>Cinchona</i>	70
1. <i>C. Calisaya</i>	72
2. <i>C. Caribaya</i>	94
3. <i>C. de Cusco</i>	95
4. <i>C. de Huanuco</i>	97
5. <i>C. Huamalies</i>	100
6. <i>C. de Jaen</i>	101
7. <i>C. de Loxa</i>	102
8. <i>C. rubra</i>	106
9. <i>C. Condaminea Pitaya</i>	108
10. <i>C. lancifolia</i>	109
11. <i>C. Carthagena</i>	111
12. <i>C. de Maracaibo</i>	113
1. <i>Infusum cinchonæ</i>	143
2. <i>Infusum cinchonæ pallidæ</i>	143
3. <i>Infusum cinchonæ spissatum</i>	143
4. <i>Infusum cinchonæ pallidæ spissatum</i>	144
5. <i>Infusum cinchonæ compositum</i>	144
6. <i>Decoctum cinchonæ</i>	144
7. <i>Decoctum cinchonæ pallidæ</i>	145
8. <i>Decoctum cinchonæ rubræ</i>	145
9. <i>Decoctum cinchonæ regii acidum</i>	145
10. <i>Decoctum corticis cinchonæ regii cum polygala</i>	145
11. <i>Tinctura cinchonæ</i>	145
12. <i>Tinctura cinchonæ pallidæ</i>	146
13. <i>Tinctura cinchonæ composita</i>	146
14. <i>Extractum cinchonæ</i>	146
15. <i>Extractum cinchonæ pallidæ</i>	147
16. <i>Extractum cinchonæ rubræ</i>	147
17. <i>Quinæ disulphas</i>	147
18. <i>Tinctura quinæ composita</i>	151
19. <i>Quinæ murias</i>	151
20. <i>Quinæ valerianus</i>	152
240. <i>Uncaria Gambir</i>	152
<i>Galium Aparine</i>	155
ORDER LVII.—CAPRIFOLIACEÆ	156
241. <i>Sambucus nigra</i>	156
1. <i>Aqua sambuci</i>	157
2. <i>Unguentum sambuci</i>	157
ORDER LVIII.—ARALIACEÆ	159
242. <i>Panax quinquefolium</i>	159

							PAGE
	ORDER LIX.—UMBELLIFERÆ	...	...	...	...	...	158
243.	Carum Carui	...	...	...	...	...	160
	1. <i>Oleum carui</i>	...	...	...	...	...	161
	2. <i>Spiritus carui</i>	...	...	...	...	...	161
	3. <i>Aqua carui</i>	...	...	...	...	...	161
244.	Pimpinella Anisum	...	...	...	...	...	162
	1. <i>Oleum anisi</i>	...	...	...	...	...	163
	2. <i>Spiritus anisi</i>	...	...	...	...	...	164
	3. <i>Aqua anisi</i>	...	...	...	...	...	164
245.	Fœniculum vulgare	...	...	...	...	...	164
246.	Fœniculum dulce	...	...	...	...	...	165
	1. <i>Oleum fœniculi</i>	...	...	...	...	...	166
	2. <i>Aqua fœniculi</i>	...	...	...	...	...	166
247.	Anethum graveolens	...	...	...	...	...	166
	1. <i>Oleum anethi</i>	...	...	...	...	...	167
	2. <i>Aqua anethi</i>	...	...	...	...	...	167
248.	Cuminum Cuminum	...	...	...	...	...	167
	<i>Emplastrum cumini</i>	...	...	...	...	...	169
249.	Coriandrum sativum	...	...	...	...	...	169
250.	Archangelica officinalis	...	...	...	...	...	170
251.	Daucus Carota	...	...	...	...	...	171
252.	Narthex Assafœtida	...	...	...	...	...	174
	1. <i>Enema assafœtidæ</i>	...	...	...	...	...	182
	2. <i>Tinctura assafœtidæ</i>	...	...	...	...	...	182
	3. <i>Pilulæ assafœtidæ</i>	...	...	...	...	...	182
	4. <i>Pilulæ aloes et assafœtidæ</i>	...	...	...	...	...	183
	5. <i>Spiritus ammoniæ fœtidus</i>	...	...	...	...	...	183
	6. <i>Emplastrum assafœtidæ</i>	...	...	...	...	...	183
253.	Ferula (sagapenum)	...	...	...	...	...	183
	<i>Sagapenum præparatum</i>	...	...	...	...	...	184
254.	Dorema Ammoniacum	...	...	...	...	...	184
	1. <i>Mistura ammoniaci</i>	...	...	...	...	...	187
	2. <i>Emplastrum ammoniaci</i>	...	...	...	...	...	187
	3. <i>Emplastrum ammoniaci cum hydrargyro</i>	...	...	...	...	...	188
	4. <i>Ammoniacum præparatum</i>	...	...	...	...	...	188
255.	Galbanum officinale	...	...	...	...	...	188
	1. <i>Pilula galbani compositæ</i>	...	...	...	...	...	191
	2. <i>Emplastrum galbani</i>	...	...	...	...	...	191
	3. <i>Emplastrum galbani compositum</i>	...	...	...	...	...	191
	4. <i>Galbanum præparatum</i>	...	...	...	...	...	191
256.	Opoponax Chironium	...	...	...	...	...	191
257.	Conium maculatum	...	...	...	...	...	192
	1. <i>Pulvis conii</i>	...	...	...	...	...	204
	2. <i>Tinctura conii</i>	...	...	...	...	...	205
	3. <i>Extractum conii</i>	...	...	...	...	...	206
	4. <i>Pilula conii composita</i>	...	...	...	...	...	207
	5. <i>Unguentum conii</i>	...	...	...	...	...	207
	6. <i>Cataplasma conii</i>	...	...	...	...	...	207
258.	Sumbul	...	...	...	...	...	208
	ORDER LX.—CUCURBITACEÆ	...	...	...	...	...	210
259.	Citrullus Colocynthis	...	...	...	...	...	210
	1. <i>Extractum colocynthis</i>	...	...	...	...	...	215