

**A series of botanical tables, and tables of the materia medica, designed for the use of students preparing for examination at Apothecaries' Hall : illustrated with numerous engravings on wood, and four coloured medico-botanical maps of Europe, Asia, Africa, and America, showing the geographical situation of all the plants of the Pharmacopoeia / by W.K. Toase.**

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A SERIES  
OF  
**BOTANICAL TABLES,**  
AND  
TABLES OF THE MATERIA MEDICA,

DESIGNED FOR THE  
USE OF STUDENTS PREPARING FOR EXAMINATION AT APOTHECARIES' HALL.

ILLUSTRATED  
WITH NUMEROUS ENGRAVINGS ON WOOD,  
AND FOUR COLOURED MEDICO-BOTANICAL MAPS OF EUROPE, ASIA, AFRICA, AND AMERICA,  
SHOWING THE  
GEOGRAPHICAL SITUATION

OF  
ALL THE PLANTS OF THE PHARMACOPEIA.

BY

**W. K. TOASE, F.L.S.**

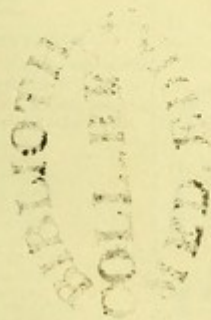
LICENTIATE OF THE SOCIETY OF APOTHECARIES, LECTURER ON BOTANY AND ANATOMY,  
&c. &c.

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1835.



ERRATA IN THE MAPS.

EUROPE.

France, *for galica* *read gallica*  
 Austria, — apopanax — opopanax

ASIA.

Asia Minor, *for Stryax* *read Styra*  
 Persia, — Modrus — Morus  
 Hindoostan — Pterocarpus — Pterocarpus  
 Ceylon — cassia — cassia  
 Sumatra — beuzoin — benzoin

AFRICA.

Egypt, *for usitalissimum* *read usitatissimum*  
 Senegambia, — Pterocarpus — Pterocarpus

AMERICA.

United States, *for marylandica* *read marilandica*  
 Peru, — triandria — triandra





# MEDICO-BOTANICAL CHART OF EUROPE.



## Plants indigenous to Britain.

- |                               |  |
|-------------------------------|--|
| <i>Acorus calamus.</i>        | <i>Mentha piperita, viridis et pulegium.</i> |
| <i>Agrimonia eupatoria.</i>   | <i>Marrubium vulgare.</i>                    |
| <i>Althaea officinalis.</i>   | <i>Malva sylvestris.</i>                     |
| <i>Anethum feniculum.</i>     | <i>Menyanthes trifoliata.</i>                |
| <i>Angelica archangelica.</i> | <i>Oxalis acetosella.</i>                    |
| <i>Anthemis nobilis.</i>      | <i>Papaver rhoeas.</i>                       |
| <i>Arbutus uva ursi.</i>      | <i>Pinus sylvestris.</i>                     |
| <i>Arctium lappa.</i>         | <i>Polygonum bistorta.</i>                   |
| <i>Artemisia absinthium.</i>  | <i>Quercus pedunculata.</i>                  |
| <i>Arum maculatum.</i>        | <i>Rhamnus catharticus.</i>                  |
| <i>Asarum europaeum.</i>      | <i>Rosa canina.</i>                          |
| <i>Atropa belladonna.</i>     | <i>Rumex acetosa.</i>                        |
| <i>Cardamine pratensis.</i>   | <i>Sambucus nigra.</i>                       |
| <i>Chironia centaurium.</i>   | <i>Sclanum dulcamara.</i>                    |
| <i>Ochlearia arvenacia.</i>   | <i>S. dia caprea et alba.</i>                |
| <i>Celidion autumnale.</i>    | <i>Sinapis alba et nigra.</i>                |
| <i>Carum carui.</i>           | <i>Tormentilla erecta.</i>                   |
| <i>Orcus salutaris.</i>       | <i>Tussilago farfara.</i>                    |
| <i>Daucus carota.</i>         | <i>Spartium scoparium.</i>                   |
| <i>Daphne mezerium.</i>       | <i>Ulmus campestris.</i>                     |
| <i>Datura stramonium.</i>     | <i>Valeriana officinalis.</i>                |
| <i>Digitalis purpurea.</i>    | <i>Uola odorata.</i>                         |
| <i>Ficus vesiculosus.</i>     |  |
| <i>Geon urbanum.</i>          |  |
| <i>Helleborus foetidus.</i>   |  |
| <i>Humulus lupulus.</i>       |  |
| <i>Hyoscyamus niger.</i>      |  |
| <i>Inula helenium.</i>        |  |
| <i>Juriperus communis.</i>    |  |
| <i>Lactuca virosa.</i>        |  |
| <i>Limon catharticum.</i>     |  |
| <i>Leontodon taraxacum.</i>   |  |





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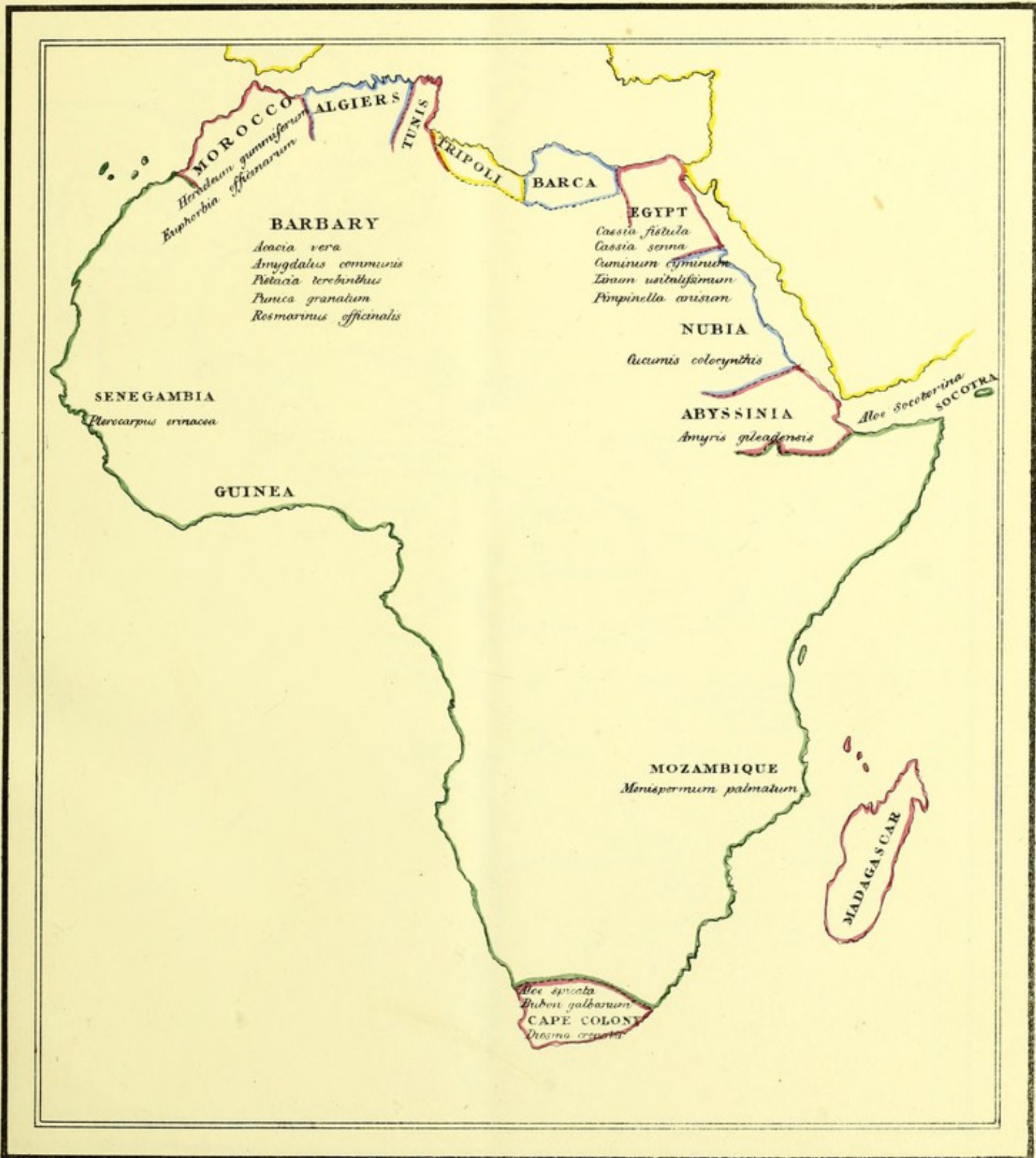
# MEDICO-BOTANICAL CHART OF ASIA.







# MEDICO-BOTANICAL CHART OF AFRICA.





# MEDICO-BOTANICAL CHART OF AMERICA.





TABLE, No. 3, SHOWING THE PARTS USED, PROPERTIES, DOSES, ACTIVE PRINCIPLES, PHARMACEUTICAL PREPARATIONS, AND FORMS OF EXHIBITION OF MEDICAL PLANTS, WITH A REFERENCE TO THEIR LINNÆAN AND JUSSIEUAN CLASSIFICATION.

Name of Plant.	Lin.	Jus.	Part used.	Properties.	Dose.	Active principle.	Pharmaceutical Preparations, and Forms of Exhibition.
Acacia catechu	190	44	Extract	Astringent	gr. x.—ʒij.	Tannin	Inf. catechu. Tinct. catechu.
— vera	191	43	Gum	Demulcent	Ad libitum	Mucilage	(Muc. acaciæ. Mist. cretæ, cornu. usti, guaiaci, et moschi. Pulv. cretæ co., et trag. co. Conf. amygdalarum.
Aconitum napellus	119	1	Leaves	Narcotic	gr. j.—iv.	Aconita	Extractum aconiti.
Acorus calamus	63	200	Rhizoma	Aromatic and tonic	ʒj.—ʒj.	Volatile oil and bitter matter.	Given in the form of powder or infusion.
Æsculus hippocastanum	72	22	Bark	Tonic	ʒj.—ʒj.	Not known	Given in powder.
Allium cepa	64	187	Bulb	Stimulant and diuretic	ʒss.—ʒj.	Volatile oil	Given in substance.
— porrum	65	186	Bulb	Stimulant and diuretic	ʒss.—ʒj.	Volatile oil	Given in the form of expressed juice.
— sativum	66	185	Bulb	Stimulant and diuretic	ʒss.—ʒj.	Volatile oil	Given in substance, or in the form of expressed juice.
Aloe spicata	67	188	Extract	Stimulating purgative	gr. v.—gr. xv.	Resin	{ Decoct. aloes co. Tinct. aloes, aloes co., et benzoini co. Vin. aloes. Pil. aloes c. myrrhæ, et cambogiæ co. Pulv. aloes co. Ex. aloes pur., et colocynthidis co.
— vulgaris	68	189	Extract				
Althæa officinalis	140	70	Leaves and root	Demulcent	Ad libitum	Mucilage	Syrupus althææ.
Amygdalus communis	104	59	Kernel	Demulcent	Ad libitum	Fixed oil	Ol. amygdalæ. Mist. amygdalæ. Conf. amygdalæ.
Amyrus elemifera	73	37	Resin	Stimulant	Used externally.	Resin and volatile oil	Unguentum elemi comp.
— gleadensis	74	38	Liquid resin	Stimulant	Not used	Volatile oil	Not used.
Anchusa tinctoria	22	125	Root	Colouring		Colouring matter	Used for colouring oils and ointments.
Anethum foniculum	45	77	Seeds	Carminative	ʒj.—ʒj.	Volatile oil	Aqua foniculi. Spiritus juniperi comp.
— graveolens	44	76	Seeds	Carminative	ʒj.—ʒj.	Volatile oil	Aqua anethi.
Angelica archangelica	46	75	Seeds and root	Carminative	ʒj.—ʒj.	Volatile oil	Given in substance.
Anthem. nobilis	158	97	Flowers	Tonic and carminative	ʒj.—ʒj.	Piperina and volatile oil	Inf. anthemidis. Extr. anthemidis. Ol. anthemidis.
— pyrethrum	159	98	Root	Sialagogue	gr. v.—x.	Fixed oil	Chewed, to excite the flow of saliva.
Arbutus uva-ursi	84	111	Leaves	Astringent	ʒj.—ʒj.	Tannin and Gallic acid	Given in powder.
Arctium lappa	153	100	Seeds and root	Diuretic	ʒj.—ʒj.	Inuline	Given in powder.
Aristolochia serpentaria	167	137	Root	Stimulating tonic	gr. x.—ʒss.	Volatile oil and resin	Tinct. serpentariæ, et cinchonæ comp.
Arnica montana	160	99	Flowers and root	Narcotic and stimulant	gr. v.—x.	Cytisina and resin	Given in powder or infusion.
Artemisia absinthium	161	101	Leaves and tops	Tonic and anthelmintic	ʒj.—ʒj.	Volatile oil and resin	Given in powder or infusion.
— chinensis	162	102	Leaves	Counter irritant		Moxa	Used for preparing Moxa.
— santonica	163	103	Seeds and tops	Anthelmintic	ʒj.—ʒj.	Volatile oil and resin	Given in powder or infusion.
Asarum europæum	100	158	Leaves	Erhine	gr. ij.—v.	Cytisina and volatile oil	Snuffed up the nose.
Aspidium filix-mas.	196	202	Root	Astringent and anthelmintic	ʒj.—ʒij.	Volatile oil and tannin	Given in powder.
Astragalus verus	143	45	Gum	Demulcent	gr. x.—ʒj.	Cerasin	Pulv. tragacanthæ comp.
Atropa belladonna	23	126	Leaves	Narcotic	gr. j.—x.	Atropia	Extractum belladonnæ.
Avena sativa	14	195	Seeds	Demulcent	Ad libitum	Pecula	Used for preparing grits.
Bomplandia trifoliata	24	33	Bark	Stimulant and tonic	gr. x.—ʒss.	Volatile oil and resin	Infusum cuspariæ.
Boswellia serrata	85	39	Gum resin	Stimulant and diaphoretic	gr. v.—ʒj.	Volatile oil and resin	Used to perfume sick rooms.
Bubon galbanum	47	78	Gum resin	Stimulant and anti-spasm	gr. x.—ʒss.	Gum-resin	Pilule galbani comp. Emplastrum galbani comp.
Camella alba	101	28	Bark	Stimulant and tonic	gr. x.—ʒss.	Volatile oil and resin	Vinum aloes.
Capsicum annum	29	127	Fruit	Stimulant	gr. v.—x.	Fixed oil	Tinctura capsici.
Cardamine pratensis	136	10	Flowers	Diuretic and anti-spasm	ʒss.—ʒij.	Acrid oil	Given in powder.
Carum carui	48	79	Seeds	Carminative	gr. x.—ʒj.	Volatile oil	{ Tinct. sennæ, et cardamomi co. Ol. carui. Aqua carui. Sp. carui, et juniperi co. Conf. opii, et rutæ. Emp. cumini.
Cassia fistula	86	46	Pulp of the pods	Laxative	ʒij.—ʒj.	Sugar and mucus.	Confectio cassiæ, et sennæ.
— senna	87	47	Leaves	Purgative	ʒj.—ʒj.	Cathartine	{ Tinc. sennæ, Inf. sennæ, Conf. sennæ, Syr. sennæ, Pulv. sennæ co.
Cephaelis ipecacuanha	25	95	Root	Expectorant and emetic	gr. ss.—ʒss.	Emetina	Vin. ipec., Pulv. ipec. co.
Chironia centaurium	30	119	Flowering tops	Tonic	ʒj.—ʒj.	Bitter resin	Given in powder.
Cinchona cordifolia	26	92	Bark	Tonic	ʒss.—ʒij.	Quinia	{ All the pharmaceutical preparations are made with the Cinchona lancifolia, Inf. cinchonæ, Decoc. cinchonæ, Ex. cinchonæ, et cinchonæ resinostum. Tinct. cinchonæ, et cinchonæ co.
— lancifolia	27	91	Bark	Tonic	ʒss.—ʒij.	Cinchonia	
— oblongifolia	28	93	Bark	Tonic	ʒss.—ʒij.	Quinia and cinchonia	
Citrus aurantium	150	29	Rind of the fruit	Tonic and stomachic	ʒj.—ʒj.	Bitter principle & volatile oil	{ Inf. aurantii co., et gent. co. Tinct. aurantii, cinchonæ co., et gent. co., Conf. aurantii, Sp. armoraciæ co. Syr. aurantii.
— medica	151	30	{ Juice of the fruit Rind of the fruit	Refrigerant Tonic and stomachic	Ad libitum ʒj.—ʒj.	Citric acid Bitter principle & volatile oil.	Acidum citricum. Syr. limonium.
Cocculus palmatus	186	7	Root	Tonic	gr. x.—ʒj.	Colombina	Inf. aurantii co., et gentianæ co.
Cochlearia armoraciæ	135	11	Root	Stimulant and diuretic	ʒj.—ʒj.	Volatile oil	Inf. calumbæ. Tinct. calumbæ.
Colechicum autumnale	71	192	{ Bulb Seeds	Narcotic and purgative	gr. ij.—gr. viij.	Veratria	{ Acet. colchici. Vin. colchici. Sp. colchici ammoniaci.
Conium maculatum	49	82	Leaves				Narcotic
Convolvulus jalapa	31	124	Root	Cathartic	gr. x.—ʒss.	Resin	Tinctura jalapæ. Ex. jalapæ.
— sammonia	32	123	Gum resin	Cathartic	gr. v.—ʒj.	Resin	Pulv. scammi co., et sennæ co., Conf. scammi. Ex. colocynth. co.
Copaifera officinalis	88	48	Liquid resin	Diuretic and stimulant	M. x.—ʒss.	Volatile oil	Given in substance.
Coriandrum sativum	50	81	Seeds	Carminative	ʒj.—ʒj.	Volatile oil	Confectio sennæ.
Crocos sativus	11	183	Stigmas	Stimulant	gr. x.—ʒss.	Volatile oil and polychroite	{ Tinct. aloes co., cinchonæ co., rhei, et rhei co. Pil. aloes c. myrrhæ, Syr. croci. Conf. aromatica. Decoc. aloes co.
Croton cascariila	172	139	Bark	Tonic	ʒj.—ʒij.	Volatile oil	Inf. cascariilæ. Tinct. cascariilæ.
— tiglium	173	140	Oil of the seeds	Drastic cathartic	M. j.—M. ij.	Fixed oil	Given in substance.
Cucumis colocynthis	174	73	Pulp of the fruit	Drastic cathartic	gr. ij.—gr. vj.	Colocoyntine	Ex. colocynthidis, et colocynthidis comp.
Cuminum cyminum	51	83	Seeds	Carminative and stimulant	ʒj.—ʒj.	Volatile oil	Emplastrum cumini.
Curcuma longa	1	181	Root	Carminative and tonic	gr. x.—ʒss.	Volatile oil	Given in powder.
Daphne mezereum	75	156	Bark of the root	Stimulating diaphoretic	gr. j.—gr. x.	Daphnin	Decoctum sarsaparillæ co.
Datura stramonium	33	128	Leaves and seeds	Narcotic	gr. ss.—gr. x.	Daturia	Extractum stramonii.
Daucus carota	52	84	Seeds	Carminative	ʒj.—ʒj.	Volatile oil	The root is used in the form of poultice.
Delphinium staphisagria	120	2	Seeds	Cathartic	gr. ij.—gr. x.	Delphinia	Rarely used, excepting to destroy Pediculi.
Digitalis purpurea	133	132	Leaves	Diuretic and sedative	gr. j.—gr. ij.	Digitalia	Tinct. digitalis. Inf. digitalis.
Diosma crenata	34	31	Leaves	Tonic and diuretic	ʒj.—ʒj.	Volatile oil and extractive	Given in the form of infusion.
Dolichos pruriens	144	49	Hairs of the pods	Anthelmintic	gr. v.—gr. x.	Mechanical	Given in substance.
Dorstenia contrajerva	19	163	Root	Tonic and sudorific	gr. x.—ʒij.	Acrid principle	Pulvis contrajervæ comp.
Dryobalanops camphora	116	23	Camphor	Stimulant and diaphoretic	gr. ij.—gr. x.	Camphor	{ Tinct. camph. co., Mist. camph., Sp. camph., Lin. camphoræ, camphoræ co., saponis co., et hydrargyri.
Elettaria cardamomum	2	180	Seeds	Carminative	gr. v.—ʒj.	Volatile oil	{ Tinct. card. co., cinnam. co., gent. co., rhei, et sennæ. Sp. Æthis aromati., Ex. colocynthidis co., Conf. aromatica, Pulv. cinnam. co.
Eugenia caryophyllata	105	69	Flower buds	Stimulant and aromatic	gr. v.—ʒj.	Volatile oil	{ Inf. caryoph., et aurant. co. Vinum opii. Conf. aromati., et scammonia.
Euphorbia officinarum	103	161	Gum resin	Erhine	gr. j.—gr. ij.	Acrid resin	Snuffed up the nose.
Ferula assafetida	53	85	Gum resin	Anti-spasm and expectorant	gr. v.—ʒj.	Gum resin	{ Tinct. assafetidæ. Mist. assafetidæ. Sp. ammon. fetidus, Pil. galbani co.
Ficus carica	194	164	Fruit	Demulcent	Ad libitum	Sugar	Decoctum hordei co. Conf. sennæ.
Fraxinus ornus	195	116	Manna	Laxative	ʒss.—ʒj.	Sugar	Confectio cassiæ.
Fucus vesiculosus	197	203	Whole plant	Deobstruent	gr. x.—ʒij.	Iodine	The burnt plant given in powder.
Gentiana lutea	54	120	Root	Tonic	gr. x.—ʒj.	Bitter extractive	Tinct. gentianæ co., Inf. gentianæ co., Ex. gentianæ.
Geoffroya inermis	146	50	Bark	Anthelmintic	ʒj.—ʒss.	Resin	Given in powder.
Geum urbanum	111	60	Root	Astringent	ʒss.—ʒij.	Tannin	Given in powder.
Glycyrrhiza glabra	145	51	Root	Demulcent	ʒj.—ʒj.	Sarcocoll	Decoct. sarsapa. co., Inf. lini, Ex. glycyrrhizæ, Conf. sennæ.
Gratiola officinalis	4	133	Herb	Cathartic	gr. x.—ʒss.	Bitter principle	Given in powder.
Guaiacum officinale	89	27	Resin	Diaphoretic	gr. x.—ʒss.	Guaiac	{ Tinct. guaiaci, et guaiaci ammon., Decoct. sarsapa. co., Mist. guaiaci, Pil. hyd. submur. co., Pulv. aloes co.
Hæmatoxyion campechia	90	52	Wood	Astringent	ʒj.—ʒj.	Tannin	Extractum hæmatoxyli.
Helleborus foetidus	121	3	Leaves	Anthelmintic	gr. v.—gr. xv.	Acrid principle	Given in powder.
— niger	122	4	Root	Cathartic	gr. v.—ʒj.	Acrid principle	Tinctura hellebori nigri.
Heracleum gummiferum	55	86	Gum resin	Stimulating expectorant	gr. x.—ʒss.	Gum resin	{ Mist. ammoniaci, Pil. scillæ co., Emp. ammoniaci, et ammoniaci c. hydrargyro.



TABLE, No. 3, (continued.)

Name of Plant.	Lin.	Jus.	Part used.	Properties.	Dose.	Active principle.	Pharmaceutical Preparations, and Forms of Exhibition.
Tanacetum vulgare	166	110	Leaves	Anthelmintic	ʒj.—ʒj.	Volatile oil	Given in powder.
Formentilla erecta	115	67	Root	Astringent	gr. x.—5ʒ.	Tannin	Pulv. cretæ comp.
Friticum hybernium	18	199	Seeds	Demulcent	Ad libitum	Starch	Mucilago amyli. Pulv. tragacanth. co.
Fussilago farfara	165	109	Leaves	Demulcent	5ʒ.—ʒj.	Mucus	Given in the form of decoction.
Ulmus campestris	58	167	Bark	Diuretic	ʒj.—ʒj.	Mucus	Decoctum ulmi.
Valeriana officinalis	13	96	Root	Anti-spasmodic	ʒj.—ʒj.	Volatile oil	Tinct. valerianæ, et valerianæ ammoniata.
Vitis vinifera	42	25	Dried fruit	Laxative	Ad libitum	Saccharine matter	Tinctura sennæ.
Veratrum album	193	193	Root	Cathartic	gr. ʒ.—gr. iij.	Veratria	Decoct. veratri, Tinct. veratri, Ung. sulphur. co.
Viola odorata	43	14	Flowers	Laxative	Ad libitum	Violine	Syrupus viola.
Zingiber officinale	3	182	Rhizoma	Stimulant	gr. v.—5ʒ.	{ Volatile oil and resino-ex- tractive matter	{ Syr. zingib. et rhamni, Tinct. zingib. et cinnam. co., Conf. scammonii, et opii, Inf. sennæ, Pulv. cinnam. co., sammonii co., et sennæ co., Pil. scillæ co., Vinum aloes.

TABLE, No. 4, SHOWING THE ATOMIC COMPOSITIONS, PROPERTIES, DOSES, PHARMACEUTICAL PREPARATIONS, AND METHODS OF OBTAINING, THOSE ARTICLES OF THE MATERIA MEDICA, WHICH ARE NOT CONTAINED IN THE PRECEDING TABLE.

Name.	How obtained.	Composition.	Properties.	Dose.	Pharmaceutical Preparations, and Practical Remarks.
Acetum	{ By exposing an infusion of malt to a tempera- ture between 75° and 90°, in vessels to which the air has access, thereby exciting the acetous fermentation ... }	{ 4 Carbon = 24 } { 3 Oxygen = 24 } 50 { 2 Hydrogen = 2 }	Refrigerant	ʒj.—ʒiv.	{ Acid. acet. dil., Cerat. saponis, Cataplas. sinapis, Lin. aruginis. Of the distilled vinegar: Acet. col- chici, et scillæ, Oxymel simplex, et scillæ, Emp. ammoniaci, Liq. plumbi subacetatis.
Acidum aceticum fortius	By the destructive distillation of wood		Antiseptic		Potassæ acetatis, Plumbi acetatis, Cupri subacetatis.
Acidum citricum	{ By decomposing lemon juice with carbonate of lime, a citrate of lime being formed, and again decomposing this with sulphuric acid, producing sulphate of lime, and liberating citric acid ... }	{ 4 Carbon = 24 } { 4 Oxygen = 32 } 58 { 2 Hydrogen = 2 } { The crystals contain 2 prop. of water = 18, then 58 + 18 = 76 ... }	Refrigerant	gr. x.—ʒij.	{ A pint of Lemon juice contains about nine drachms and a half of Citric acid, consequently thirty- five grains of the acid dissolved in one ounce of distilled water, will give a solution, equal in strength to lemon juice.
Acidum sulphuricum	{ By burning a mixture of eight parts of sulphur with one of nitrate of potassa, in leaden cham- bers containing water, to which the atmos- pheric air has access ... }	{ 3 Oxygen = 24 } 40 { 1 Sulphur = 16 } { The liquid acid contains 1 prop. of water = 9, then 40 + 9 = 49 ... }	Escharotic		{ Acid. sulph. dil., citric., muriat., nitric., et tarta- ric., Antim. sulph. præcip., Sulphates potassæ, sodæ, magnesiæ, zinci, ferri, et cupri. Potassæ, supersulphas, Hydrarg. oxydur., et. submur., Ether sulph., Alumen, Inf. Rosæ comp.
Adeps	The lard obtained from the Sus scrofa	Elaine and Stearine	Emollient		Adeps præparata, and most of the ointments.
Ærugo	By exposing sheets of copper to the fumes of vinegar	{ Acetic acid & peroxide of Cop- per in variable proportions ... }	Tonic	gr. ʒ.—gr. ʒ.	Linimentum Æruginis.
Alumen	{ By a peculiar management of pyriticous clay, which, containing sulphur and alumina, by proper exposure to the atmosphere, attracts oxygen, forming a sulphate of alumina, to which some salt of potassa is finally added ... }	{ 3 Sulphate of alum. = 174 } 262 { 1 Sulphate of potass = 88 } { The crystals contain 25 prop. of water = 225, then 262 + 225 = 487 }	Astringent	gr. v.—gr. xv.	Alumen exsiccatum. Liquor aluminis comp.
Ammonia murias	{ By the destructive distillation of animal matter; decomposing the ammoniacal liquor thus pro- duced, first with sulphuric acid, and then chlo- ride of sodium ... }	{ 1 Ammonia = 17 } { 1 Muriatic acid = 37 } 54	Used externally		{ Ammonia subcarbonas, Liquor ammonia, Hyd- rarg. præcip. alb. Ferrum ammoniatum, Spiritus ammonia.
Antimonii sulphuretum	A natural production	{ 1 Sulphur = 16 } { 1 Antimony = 44 } 60	Diaphoretic	gr. x.—ʒa.	{ Pulv. antimonialis, Antimonii vitrum, Antimonii sulphuretum præcipitatum.
Antimonii vitrum	{ From the sulphuret by fusion, sulphur being driven off, and oxygen attracted from the at- mosphere ... }	{ A silicated protoxide of Anti- mony, with a little peroxide of iron, and sulphure of antimony }	Not used		Antimonium tartarizatum.
Argentum	Found native, and mineralized	Atomic weight, 110	Not used		Argentum nitras.
Arsenicum album	{ By roasting the Arseniuret of cobalt, from which arsenic sublimes ... }	{ 1 Arsenic = 38 } { 1 1/2 Oxygen = 12 } 50	Tonic	gr. 1-16th—gr. ʒ.	Liquor arsenicalis.
Bismuthum	Found native, and mineralized	Atomic weight, 72	Not used		Bismuthi subnitras.
Calamina	Found native	Impure Carbonate of Zinc	Used externally		Calamina præparata.
Cantharis	The insect Cantharis vesicatoria	{ Its vesicating properties de- pend on Cantharidin ... }	Stimulant	gr. j.—gr. iij.	{ Tinctura cantharidis, Emplastrum cantharidis, Ceratium cantharidis.
Carbo ligni	By burning wood unexposed to the atmosphere	Carbon. Atomic weight, 6	Antiseptic	gr. x.—ʒj.	
Castoreum	From the Castor fiber	{ It contains a peculiar principle called Castorine ... }	Antispasmodic	gr. v.—ʒj.	Tinctura castorei.
Cera alba	From the Apis mellifica	Cerin and Myricin	{ Used externally Demulcent ... }	gr. x.—ʒa.	Unguenta et Cerata varia.
Cerevisia fermentum	Generated during vinous fermentation	Yeast	Antiseptic	ʒa.—ʒj.	Cataplasma fermenti.
Cetaceum	From the Physeter macrocephalus	Fluid oil and Cetine	Demulcent	ʒa.—ʒia.	Unguenta et Cerata varia.
Cornua	The horns of the Cervus elaphus	Gelatine and Phosphate of Lime	Demulcent	Ad libitum.	Cornu astutum, Pulvis antimonialis.
Creta	Found native	{ 1 Lime = 28 } 50 { 1 Carbonic acid = 22 }	Antacid	ʒj.—ʒj.	{ Creta præparata, Mistura cretæ, Pulvis cretæ comp., et cretæ comp. c. opio.
Cupri sulphas	{ Principally obtained by evaporating the water from copper mines: it is formed by the action of the atmosphere on the native sulphuret ... }	{ 1 Peroxide of copper = 80 } 160 { 2 Sulphuric acid = 80 } { The crystals contain 10 prop. of water = 90, then 160 + 90 = 250 }	Tonic Emetic	gr. ʒ.—gr. 1. gr. v.—gr. x.	{ Cuprum ammoniatum. This salt is strictly a Bisulphate, not a Sulphate.
Ferrum	Found native, and mineralized	Atomic weight, 28	Not used		{ Ferri sulphas, et carbonas, Ferrum tartarizatum, et ammoniatum, Liq. ferri alkalini, Vinum ferri, Tinct. ferri. ammon. et ferri. mur. Mist. ferri co. Hydrargyri nitrico oxydum, oxyd. ciner., oxyd. rub., submur., oxydur., sulphuret. rub., et sul- phuret. nig., Hydrargyrum purif., c. cretæ, et præcip. alb., Ung. hyarg. fort., hydrarg. mit., hydrarg. nitrat., hydrarg. nitrico-oxydi, hydrarg. præcip. alb., Lin. hydrarg., Pil. hydrarg., et hy- drarg. submur. co., Liq. hydrarg. oxyduriatis.
Hydrargyrum	{ Found native, and mineralized; but principally obtained from cinnabar ... }	Atomic weight, 200	Not used		
Magnesia subcarbonas	{ Chiefly by the decomposition of bittern with Carbonate of potassa ... }	{ A compound of hydrate and of carbonate of magnesia ... }	Antacid	ʒa.—ʒj.	Magnesia, Magnesia sulphas.
Magnesia sulphas	{ By the action of dilute sulphuric acid on mag- nesian limestone; a native carbonate of lime and magnesia ... }	{ 1 Magnesia = 28 } 68 { 1 Sulphuric acid = 40 } { The crystals contain 7 prop. of water = 63, then 68 + 63 = 131 }	Purgative	ʒj.—ʒia.	Magnesia carbonas.
Marmor album	Found native	Fide Creta	Not used		Principally employed for obtaining carbonic acid.
Moschus	From the Moschus moschiferus	{ Resin, Volatile oil, albumen, with some salts and extractive matter ... }	Antispasmodic	gr. v.—ʒa.	Mistura moschi.
Ovum	The egg of the Phasianus gallus	{ Albumen, Gelatine, Fixed oil and water, with some salts ... }	Nutrient	Ad libitum	{ The yolk is used for rendering Balsams and Oils miscible with water.
Petroleum	Found native	Naphtha and impurities	Antispasmodic	gr. x.—ʒa.	In Germany it is considered a specific for Tænia.
Plumbi subcarbonas	{ By exposing lead to the fumes of vinegar and refuse animal matter ... }	{ 1 Protoxide of lead = 112 } 134 { 1 Carbonic acid = 22 }	Not used		{ Plumbi superacetatis. This is strictly a Carbonate, and not Subcarbonate.
Plumbi oxydum semi- vitreum	{ By exposing lead to the combined action of heat and air ... }	{ 1 Lead = 104 } 112 { 1 Oxygen = 8 }	Not used		{ Emp. plumbi, Liq. plumbi subacetatis, Ceratum saponis.
Potassæ nitras	{ By the spontaneous decomposition of animal and vegetable matter, acting on calcareous earths contained in nitre-beds ... }	{ 1 Potassa = 48 } 102 { 1 Nitric acid = 54 }	Refrigerant	gr. v.—ʒa.	Acidum nitricum, Potassæ sulphas, et supersulphas.



TABLE, No. 4, (continued.)

Name.	How obtained.	Composition.	Properties.	Dose.	Pharmaceutical Preparations, and Practical Remarks.
Potassæ sulphas	{ Prepared from the residue after the distillation } { of Nitric acid. .... }.	{ 1 Potassa = 48 } { 1 Sulphuric acid = 40 } 88	Cathartic	gr. x.—5j.	Pulvis ipecacuanhæ compositus.
— supertartras	Purified Tartar, <i>vide</i> Tartarum	{ 1 Potassa = 48 } { 2 Tartaric acid = 132 } 180	Purgative	5ij.—5vj.	{ Acidum tartaricum, Ferrum tartarizatum, Potassæ tartras, Sodæ tartarizata, Antimonium tartarizatum.
Potassa impura	{ By lixiviating the ashes of land plants, and evaporating the solution to dryness	Impure carbonate of potassa	Not used		Potassæ subcarbonas.
Sapo durus	{ By boiling olive oil with Barilla, and a small quantity of quicklime. .... }	{ Margaric and Oleic acids, with soda	Laxative	gr. v.—5ñ.	{ Pil. saponis c. opio, et scillæ co., Emp. saponis, Ceratum saponis, Lin. saponis co., Ex. colocynthidis co.
Sapo mollis	By boiling fat or oil with potassa	Margaric & Oleic acids, with potassa	Used externally.		Used in frictions to sprains and bruises.
Sevum	The suet obtained from the <i>Ovis aries</i>	Elaine and Stearine	Used externally.		Sevum præparatum, Emplastra et Unguenta varia.
Sodæ murias	A natural production	{ 1 Sodium = 24 } 60 { 1 Chlorine = 36 }	{ Tonic } { Purgative	gr. x.—5j. 5ñ.—5j.	{ This salt is strictly a Chloride of sodium.
— subboras	{ A natural production, found in Persia and Thibet; and imported into this country under the name of <i>Tincal</i> . .... }	{ 1 Soda = 32 } 80 { 2 Boracic acid = 48 } { The crystals contain 10 prop. of water = 90, then 80 + 90 = 170 }	Detergent	gr. x.—5ñ.	{ Mel boracis. This salt is strictly a Bi borate of soda.
Soda impura	{ By burning marine plants, with a sufficient degree of heat to cause the ashes to enter into a state of semifusion	Impure carbonate of soda	Not used		Sodæ subcarbonas.
Spiritus rectificatus	From sugar, by exciting the vinous fermentation	{ 1 Oxygen = 8 } { 2 Carbon = 12 } 23 { 3 Hydrogen = 3 }	Stimulant	Not used	{ Alcohol, Sp. camph., ammon., ammon. arom., ammon. succin., cinnam., menth. p., menth. v., et lavand., Tinct. aloes, aloes co., assafoetid., benzoini co., castor., ferri. mur., gualaci, myrrhæ, et zingiberis, Liq. hydrarg. oxymercurialis.
— tenuior	{ By mixing 4 parts, by measure, of rectified spirit, with 3 of water				{ All the Tinctures and Spirits which are not prepared with rectified spirit.
Spongia	Found in the Mediterranean and Red Seas	Principally gelatine and albumen	Deobstruent	5ñ.—5ij.	Spongia usta, its properties depending on Iodine.
Stannum	Found native, and mineralized	Atomic weight, 59	Anthelmintic	5j.—5ij.	Stanni limatura.
Succinum	Found on the coast of the Baltic	{ Volatile oil, Succinic acid, Resin, and Bituminous matter }	Not used		Oleum succini.
Sulphur	Found native, and mineralized	Atomic weight, 16	Laxative	5ñ.—5ij.	{ Sulphur lotum, sublimatum, et præcip., Ol. sulphur., Potassæ sulphur., Ung. sulphur. et sulphur. co., Hydrarg. sulphur. nigrum, et rubrum.
Tartarum	Deposited on the sides of wine casks	{ Impure supertartrate of potassa, <i>vide</i> Potassæ supertartras	Not used		Potassæ supertartras.
Testæ	The shells of the <i>Ostrea edulus</i>	{ Carbonate of lime, and animal matter	Antacid	5j.—5ij.	Testæ præparatæ.
Zincum	From the native Carbonate, or Sulphuret	Atomic weight, 34	Not used		Zinci sulphas.

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