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MEMORIA TECHNICA,

OR

A NEW METHOD

OF

ARTIFICIAL MEMORY,

Applied to and Exemplified in

CHRONOLOGY | GEOGRAPHY
HISTORY | ASTRONOMY,

ALSO

JEWISH, GRECIAN and ROMAN COINS,
WEIGHTS, MEASURES, &c.

WITH

TABLES

Proper to the respective SCIENCES

AND

MEMORIAL LINES

Adapted to each TABLE.

By RICHARD GREY, D.D.

LONDON:

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THE PREFACE.

It may be proper to acquaint the Reader with what Improvements have been made in this and the former Editions. In the Tables of the Patriarchs and antient Kings, care has been taken to signify, with the utmost Brevity, the Relation which every Person bore to his immediate Predecessor. In the Geographical Part, besides the adding of many remarkable Places both in antient and present Geography, the Memorial Lines, for the general and particular Divisions, have many of them been formed a-new, with particular Regard to the Situation of the respective Kingdoms, Provinces, or Countries, into which those Divisions have been made; so that every Line is in some Measure the Epitome of a Map. The Tables of antient Coins, Weights and Measures have been carefully reviewed, and very much augmented; and Decimal Tables subjoined, of great Use for the more speedy and exact Reduction of them. There is likewise added an Index of the Historical, Chronological and Geographical Words; of the Usefulness of which I have given an Account in its proper Place. Besides these there are several Alterations and Additions of less Moment, interspersed throughout the whole; such as either my own Experience or the Judgment of my Friends had suggested to me, in order to render the Design more useful. I shall not trouble the Reader with the Reasons of them, which, if he compares the Editions, he will very probably find out himself: Nor do I think it necessary to apologize for having made them, since it could not be expected that an Invention of this Kind should be so perfect at first, as not to be capable of being considerably improved. And I was the more willing to bestow some Care and Pains upon it, and

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to give it what Improvement I was able, in Return for the favourable Reception it has met with from the Public, beyond what was expected by myself or others. An Art of Memory has by many been looked upon as a Thing either in itself impracticable, or, at least, in the common Methods of it, useless and trifling. And I was sensible that the following Method would lie under the additional Disadvantage of a whimsical and out of the way Appearance; besides that, the seeming Difficulty of it at first Sight would, I foresaw, deter many from so much as attempting to make themselves Masters of it. Notwithstanding these Discouragements, it has had the good Fortune to give some Satisfaction, and to meet with some Success; and will, I hope, continue to be looked upon as an useful Help to those who delight in Reading, and would retain what they had read with Faithfulness and Accuracy, particularly in such Points wherein their Memories are most likely to fail them.

The Objections which have been made to it from the Difficulty of remembering the Memorial Lines would most effectually be removed by habituating young Minds to them betimes, by the frequent transcribing and Repetition of them. The Technical Words would by this Means become natural and familiar, and of no small Advantage to them in the Course of their future Studies; they would be easily received and long retained. But I shall say no more upon this Point, having already touched upon it in the Introduction; to which also I refer the Reader for what might further be expected by Way of Preface.

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THE

INTRODUCTION.

IT is a general Complaint amongſt Men of Reading, and to many a Diſcouragement from it, that they find themſelves not able to *Retain* what they read with any Certainty or Exactneſs. And in no Part of Literature is there greater Room for this Complaint than in *Hiſtory*: To the ſtudying of which with Pleaſure and Improvement, as nothing contributes more, ſo nothing has been thought more difficult to be *retained*, than a diſtinct and accurate Knowledge of *Chronology* and *Geography*. Upon this Account ſeveral Attempts have been made to remedy, in ſome Meaſure, the Defects of the Memory, by Chronological and Geographical Tables, Cuts and Maps, and by reducing the principal Parts of Hiſtory to certain Epochas or Æras, ſo diſpoſed and contrived, as may be moſt likely to affect the Imagination, and make the deeper Impreſſion upon the Mind. Thus Mr. *Hearne*, in his *Ductor Hiſtoricus*, has reduced the whole Compaſs of Chronology to thirteen Grand Epochas, all beginning with the Letter C. Mr. *Prideaux*, in his *Introduction to Hiſtory*, has made Uſe of the Number *Seven*, throughout his whole Book; "not out "of Affectation (as he tells us) but Experience, "as *moſt eaſy for the Memory*;" with others of the like Nature, which ſerve at leaſt to ſhew that the Memory wants Aſſiſtance, and that ſmall Helps are better than none. But of all the Inventions made

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Uſe of for this End, none has been found to contribute more to the Aſſiſtance of the Memory than that of *Technical* Verſes; both as they generally contain a great deal in a little Compaſs, and alſo becauſe being once learned, they are ſeldom or never forgot. For the Truth of which I may venture to appeal to the weakeſt Memories, whether they have not to the laſt found themſelves in Poſſeſſion of that ever memorable Line:

Barbara Celarent Darii Ferio Baralipton.

Of this Nature is the following Method; the Deſign of which is not to make the *Memory better*, but *Things more eaſy to be remembered*; ſo that by the Help of it an ordinary, or even a weak Memory, ſhall be able to retain what the ſtrongeſt and moſt extraordinary Memory could not retain without it. For as he, who firſt contrived to aſſiſt the Eye with a Teleſcope, did not by that pretend to give Sight to the Blind, or make any Alteration in the Eye itſelf; but only to bring the Objects nearer, that they might be viewed more accurately and diſtinctly; ſo neither is it pretended* by this Art to teach thoſe to remember every Thing, who never could remember any Thing; or to make Men in an Inſtant ſkilful in Sciences, which before they were utterly unacquainted with, but only to enable them to retain, with *Certainty* and *Exactneſs*, what they have already a general and com-

* Hæc ars tota habet hanc vim non ut totum aliquid, cujus in ingeniis noſtris pars nulla ſit, pariat & procreet, verum ut ea, quæ ſunt orta jam in nobis & procreata, educat atque confirmet. *Cic. de Orat.* Lib. II. *Edit. C. Steph.* p. 182.

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petent Knowledge of: that they may not be obliged upon every Occaſion to have freſh Recourſe to their Books or Maps, or be under the tireſome Neceſſity of reading the ſame Things again and again, ſtill forgetting them as faſt as they read them.

To thoſe who may object, of what Uſe is it to be thus exact, and content themſelves with an imperfect and confuſed Remembrance of what they read, it might be anſwered, that ſuch as think it of no Uſe, need not, as I preſume they will not, trouble themſelves about it; this being deſigned for the Benefit of thoſe only, who think it is of Uſe; and who, even at the Expence of a little Pains, would remember if they could: But beſides this, I believe it will be agreed on all Hands, that, to inſtance in Hiſtory only, a Man who *has* an exact Notion of Time and Place, finds incomparably more Pleaſure, and makes a ſpeedier Progreſs in that Study, than he who *has not*.

I ſhall here beg Leave to tranſcribe a Paſſage from ADDISON's *Dialogues, upon the Uſefulneſs of Antient Medals*: "There is one Advantage, ſays "*Eugenius*, that ſeems to me *very conſiderable*, "which is the great Help to Memory one finds in "Medals: For my own Part I am very much em"barraſſed in the Names and Ranks of the ſeveral "*Roman* Emperors, and find it difficult to recol"lect upon Occaſion the different Parts of their "Hiſtory; but your Medalliſts, upon the firſt "naming of an Emperor, will immediately tell "you his Age, Family and Life. To remember "where he enters in the Succeſſion, they only "conſider in what Part of the Cabinet he lies, "and by running over in their Thoughts ſuch a "particular Drawer, will give you an Account of "all the remarkable Parts of his Reign."

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If this be such a *considerable Advantage* in Medals, I hope it will be allowed that the following Method is of some Use, since by it a Man may be enabled to remember when any Emperor from *Julius Cæsar* to *Constantine* began his Reign, and that as readily as you can name him, by the Help of no more than *six Memorial Lines*. The like he may do with the same Ease and Readiness by the Kings of *England*, and so proportionably for any other Part of Sacred or Profane History. For, how impracticable soever it may seem at first View, I have Reason to believe, that any Reader of a common Capacity may, by a regular Proceeding, and ordinary Application, be able readily and exactly to answer *most*, if not *all* the Questions that can be be proposed from the following Tables.

The Manner in which I would advise him to proceed (after having premised that he must not be too hasty at first, but make himself* Master of one Thing before he proceeds to another, beginning with such Particulars as he has most Occasion or Inclination to retain) is this. First, let him learn to *explain* the several *Memorial Lines*, according to the Method hereafter to be laid down, by consulting the Tables to which they belong. 2. This done, let him by looking upon the Tables learn to make out the Lines; and 3. Let him charge his Memory with them, by *frequent Repetition*. By this Means the Words will become *familiar*, how

* Assumendus Usus paulatim, ut pauca primum complectamur Animo quæ reddi fideliter possint: mox per incrementa tam modica ut onerari se labor ille non sentiat, augenda usu & exercitatione multa continenda est, quæ quidem maxima ex parte memoria constat. *Quintil.* Lib. X. Edit. *Gibs. Ox.* p. 534.

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narſh and uncouth ſoever they may appear at firſt; and he will find it as eaſy to know the Diameter, Diſtance, and Magnitude of any Planet; the particular Time or Age of any remarkable Perſon or Thing; the Longitude and Latitude of any Place, and the like, as it is to remember their *Names*: The whole Art being in Effect nothing more than this; *To make ſuch a Change in the* Ending *of the Name of a Place, Perſon, Planet, Coin,* &c. without altering the Beginning *of it, as ſhall readily ſuggeſt the Thing ſought, at the ſame Time that the Beginning of the Word, being preſerved, ſhall be a* leading *or* prompting *Syllable to the Ending of it ſo changed.*

I would willingly here let the Reader a little more into my Meaning, which he may not otherwiſe ſo readily apprehend, leſt he ſhould think there is more Difficulty in the Matter than there really is. I would aſk him then if he thinks he could remember to call CYRUS, Cyr*uts*; or ALEXander the Great, Alex*ita*; or JULIUS Cæſar, Juli*os* Cæſar; or MAHOMet, Mahom*audd*; if he can but do this, he has nothing elſe to do (when he is once Maſter of the general Key, and knows what Letters of the Alphabet ſtand for what Figures) in Order to remember, without any Poſſibility of being miſtaken, that the Years in which *Cyrus*, *Alexander*, and *Julius Cæſar*, founded their reſpective Monarchies, were as follow:

	Bef. Chriſt.
CYRUS [Cyr*uts*]	536
ALEXander [Alex*ita*]	331
JULIUS Cæſar [Juli*os*]	46

And that the *Mahometan* Æra, or Flight of *Mahomet*, was *A. D.* 622. In like Manner for Geo-

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graphy; does he think he could remember to call MADRID Madroy-t or JERUSALEM Jeruta-ts, or BLENHEIM Blenhebav, or THESSALY Thesjan? This is all that is required to remember that the Degree of Latitude of *Madrid* is about 40, and the * Longitude about 3. The Latitude of *Jerusalem* about 31, and the Longitude 36; that *Blenheim* is in *Bavaria*, and that what was the antient *Theſſaly* is the preſent *Janna*. Thus the Reader will obſerve, that all that he has to do, is for one Word to remember another, which only † varies from it a little in the *Termination*. And to make even this eaſier to be remembered, the *Technical* Words are thrown into the Form of common *Latin* Verſe, or at leaſt of ſomething like it. For as there was no Neceſſity to confine myſelf to any Rules of *Quantity* or *Poſition*, I hope I need make no Apology for the Liberty I have taken in having, without Regard to either, and perhaps now and then without ſo much as a Regard to the juſt Number of Feet, only placed the Words in ſuch Order as to make them run moſt eaſily off the Tongue, and ſucceed each other in the moſt natural Manner. But this by the Way for the Reader's Encouragement.

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* The Reader is preſumed to be ſo far acquainted with Geography, as to be able to tell which is Eaſtern and which is Weſtern Longitude, when he is informed that the firſt Meridian is fixed at *London*.

† In many Words the Variation is very ſmall; as K. John K. *Jonn*, INACHUS Ina*tus*, SOLON Sol*un*, HERODOTUS Herodo*fus*, PLATO Plato*k*, TRAJAN Traja*nk*, CLEOPATRA Cleopat*la*, GORDIAN Imp. Gor*din*, the Battle of MARATHON Mara*thonx*, ATTILA Atti*ſla*, CROESUS Cro*ſuſe*, AUSTIN Auſti*ns*, &c. Thoſe which appear more difficult will be full as eaſy, when familiarized by Uſe.

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In the mean Time, till he can repeat the *Memorial Lines*, and to thoſe who are not willing to give themſelves any Trouble at all in charging their *Memory* with them, the *Tables* themſelves will not be without their Uſe: Of which it may be expected that I ſhould give ſome Account.

For the Chronology and Hiſtory I have chiefly conſulted * Archbiſhop *Uſher*'s Annals, *Marſhall*'s Chronological Tables, *Petavius*'s *Rationarium*, Mr. *Hearne*'s *Ductor Hiſtoricus*, and Biſhop *Beverege*'s *Inſtitutiones Chronologicæ*. The Succeſſion of the *Aſſyrian* and *Babylonian* Monarchs, the Kings of *Perſia*, *Media*, *Syria*, *Egypt*, &c. is taken from Dr. *Prideaux*'s Chronological Tables at the End of his *Connection*; the Times of the Flouriſhing of the Fathers, Hereticks, Councils, *&c.* from Dr. *Cave*'s *Hiſtoria Literaria*. The *Roman* Emperors, and the Time of Writing of the Canonical Books of the New Teſtament from Mr. *Eachard*'s Roman and Eccleſiaſtical Hiſtories. The Legatin and Provincial Conſtitutions from Biſhop *Gibſon*'s *Codex Juris Eccleſiaſtici*. The Aſtronomical Calculations are from Dr. *Derham*'s Aſtro-Theology. I have alſo added Mr. *Whiſton*'s from his Theory of the Earth. In the Geographical Part my chief Guide has been Dr. *Wells*'s Treatiſe of ancient and preſent Geography, whoſe Maps may be conſulted by the Learner. For the Coins, Weights and Meaſures I have chiefly been obliged

* It may be ſome Satisfaction to the Reader, to know that Mr. *Bedford*, (as he tells us in the *Preface* to his *Scripture Chronology*) *never* differs from Dr. *Prideaux*; and even from the Creation of the World to the Deſtruction of *Jeruſalem*, never above five Years from Archbiſhop *Uſher*, the late Biſhop of *Worceſter*, or Mr. *Marſhall*.

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to Dr. *Arbuthnot*'s Books and Tables, not without consulting Bishop *Cumberland*, Dr. *Bernard*, and Bishop *Hooper*, and other Writers upon that Subject, of whom I have made what Use I thought convenient. If any prefer other Authors, who differ from these, they may easily apply the Art to their favourite Author, by a Change of the Words according to the Method laid down. And indeed when the Reader is perfectly Master of it, he would do well to form Words for his own Use, which perhaps he will sooner remember than those which I had formed for mine; my Design being rather to give a Specimen of what might be done by it, than a Set of *Compleat* Tables in the respective Sciences. If some think I have been deficient in leaving out what they think worthy of remembering, others perhaps will think I have been too Full. To both these I answer, that I impose no Task upon my Readers, nor desire to prevent their own Improvements; they may add what they please, and pass by what they please. Nor do I think it at all necessary that they should be able to answer *every* Particular in the following Tables; only this I may venture to affirm, that if they once charge their Memory with them, they will find them no Burden, and that it is not only practicable, but easy to be done.

It is not to be expected that Gentlemen, who have gone through the Course of their Studies, will trouble themselves to begin again anew, and go regularly through the *whole*: But it is submitted to those who have the Education of young Students in the Universities and public Schools, whether it would not be of some Service towards facilitating the Progress of their Pupils and Scholars in useful Knowledge, to have them early and tho-

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roughly acquainted with this small Treatise. It is the Advice of *Quintilian*, that Boys should be used to repeat, as fast as possible, harsh and crabbed Words and Verses, purposely made difficult, in order to give them a more full and articulate Pronunciation. His words are these: * *Non alienum fuerit exigere ab his ætatibus, quo sit absolutius os & expressior sermo, ut nomina quædam versusque affectatæ difficultatis, ex pluribus asperrime coëuntibus inter se syllabis catenatos & veluti confragosos quam citatissime volvant.* The frequent Repetition of the following *Memorial Lines* would certainly answer *this* End, and at the same Time a *much better*; and if I might also recommend, as he does, the *Writing* of them too, in order to make the deeper Impression, it would doubtless have a good Effect, and Boys would be treasuring up Learning even before they were aware of it. † *Illud non pœnitebit curasse cum* Scribere *nomina puer (quemadmodum moris est) cœperit, ne hanc operam in vocabulis* vulgaribus *& forte occurrentibus perdat. Protinus enim poterit Interpretationem linguæ secretioris quam* Græci γλώσσας *vocant, dum aliud agitur, edisce, & inter prima Elementa consequi rem postea proprium tempus desideraturam.* It may be sufficient to have just hinted these Things to those whose more immediate Province it is, and who are best qualified to judge what Methods may most effectually contribute to the Improvement of those under their Care.

From the Account I have given of it, the Reader will observe, that the Method here proposed is per-

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* Inst. Orat. Edit. *Gibson. Oxon*, p. 12.

† Ibid.

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fectly different from that of *Simonides* the *Cean*, ſo * famous among the Antients for being the firſt Inventer of an Art of Memory, † of whom both *Tully* and *Quintilian* ſpeak with Reſpect, and of whoſe Method of ‖ *Places* and *Images* (*i. e.* of having a Repoſitory of Ideas, a large Houſe or the like, divided into ſeveral Apartments, in each of which you are to place in Order a ſymbolical Re-

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* Σιμωνίδης ὁ Λεωπρέπους, ὁ Κῆιος, ὃς ΤΟ ΜΝΗΜΟΝΙΚΟΝ ΕΥΡΩΝ, ἐνίκησεν Ἀθηναῖον διδάσκων, καὶ αἱ εἰκόνες ἱδρύθησαν Ἁρμοδίου καὶ Ἀριστογείτονος, ἔτη ΗΗ —— Marm. Arund. I. l. 70.

De Simonide hoc vide *Joannem Tzetzem*, Chiliade I. *cap.* 24. Ubi victorias reportaſſe ait quinquaginta ſex. Conſule etiam *Valerium Maximum*, Lib. IV. *cap.* 7.

† Non ſum tanto ego, inquit, ingenio quanto Themiſtocles fuit ut Oblivionis artem quam Memoriæ malim; gratiamque habeo Simonidi illi Cëio quem primum ferunt artem memoriæ protuliſſe. *Cic. de Orat.* Lib. 2.

‖ Conſtat Artificioſa memoria locis & imaginibus, &c. *Cicero ad Herennium*, Lib. III. Edit. *Car. Steph.* p. 30.

Loca diſcunt quam maxime ſpatioſa, multa varietate ſignata, domum forte magnam, & in multos diductam receſſus. In ea quicquid notabile eſt animo diligenter affigitur, ut ſine cunctatione ac mora partes ejus omnes cogitatio poſſit percurrere. ——

——Tum quæ ſcripſerunt, vel cogitatione complectuntur, & alio ſigno quo moneantur, notant. Quod eſſe vel ex re tota poteſt, ut de navigatione, militia: vel ex verbo aliquo. Nam etiam excidentes, unius admonitione verbi in memoriam reponuntur; ſit autem ſignum navigationis, ut anchora; militiæ, ut aliquid ex armis. Hæc itaque digerunt: primum ſenſum vel locum veſtibulo quaſi aſſignant, ſecundum atrio, tum impluvia circumeunt, nec cubiculis modo aut exedris, ſed ſtratis etiam ſimilibuſque per ordinem committunt. Hoc facto, cum eſt repetenda memoria, incipiunt ab initio loca hæc recenſere, & quod cuique crediderunt, repoſcunt, & eorum imagine admonentur, &c. *Quint. Inſt. Orat.* Lib. XI. Edit. *Gibſ.* 561.

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preſentation of the Things which you would remember) they have given us a very full and particular Account, as alſo of the Occaſion which firſt gave Riſe to it. What Improvements have been made of this Method by ſome modern Authors, or in what Manner, or with what Succeſs others have ſet up to teach privately the Art of Memory, I am altogether ignorant. Having found my own Method ſufficient for myſelf, I had no Inclination to look after any other. What Uſe it may be of to the Public muſt be left to Experience. The Novelty of it may perhaps recommend it to the Inquiſitive and Curious; and I deſire nothing more than that into whoſe Hands ſoever it may fall, he would not be prejudiced againſt it upon the Account of its *ſeeming Difficulty*, before he has made *Trial* of it, being inclined to think that to any one, who is at all acquainted with it, it will be found to be ſo far from being *really* difficult, that nothing can be more eaſy, or more obvious. The Repreſentation of Numbers by Letters of the Alphabet hath been a Thing in Practice, more or leſs, almoſt in every Language. The only Thing wanting was to make that Repreſentation further uſeful, by ſubſtituting Vowels as well as Conſonants for the numerical Figures, in ſuch Manner and Proportion, that any Number might be formed into a Word capable of being articulately pronounced, and conſequently more perfectly remembered. Amongſt the *Jews* indeed, of whoſe Alphabet the Vowels are no Part, it was a Practice, not only to abbreviate Sentences and Names of many Words, by putting together the Initial Letters of thoſe Words, and making out of them an * *Artificial Word* to expreſs the whole;

* As *Rambam* for R-abbi M-oſes B-en M-aimon; *Ralbag* for R-abbi L-evi B-en G-erſon; *Maccabees*, from the Ab-

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but also to make use of *Natural* Words, to represent Numbers, when they could meet with such as happened to answer the Number they wanted to express. We have several Pieces of Ingenuity of this Kind in the Frontispieces of their Bibles, where they give us the *Year* of the Edition in some Word or Sentence of Scripture, the Letters of which according to their numerical Value make up the Date. † I have subjoined some of them for the Entertain-

---

breviation of the Words in the Standard of *Judas Maccabæus*, M-i C-amoka B-aelim J-ehovah, i. e. *who is like unto thee amongst the Gods, O Lord.* Vide Prideaux Connect. *Part.* II. Book 3. Of this Nature is what the Reader will meet with in the Beginning of the Geographical Part of this Method, *page* 48, *&c.*

† Sed non omittendum est, Judæos in librorum præcipue titulis, ad annum quo impressi sunt indigitandum, literas numerales alio atque quem tradimus ordine Collocare. Enimvero vocem unam vel plures, easque vel seorsim, vel in Sententia aliqua Biblica comprehensas excogitant, quarum literæ utut dispositæ numerum propositum valeant. Ex gr. In Bibliis sacris a Josepho Athia Amstelodami editis, tria occurrunt frontispicia, unum ad Pentateuchum, ad Prophetas alterum, tertium ad Hagiographa. Primum impressum dicitur שנת לשני עט ספר מהיר לפק Anno computi minoris *lingua mea est stylus scribæ promptu, Ps.* xlv. Ubi voces עט ספר ut virgulis superne notatæ annum indigitant quo Pentateuchus impressus fuit. Quotus autem fuit annus computi Judaici minoris statim inveniatur, si omnes vocum istarum literæ una cum numerico earum valore ita disponantur ע 70 ט 9 ס 60 פ 80 ר 200. 419. Ergo annus erat 419 juxta computum Judæorum minorem, de quo videsis Chronologicas nostras Institutiones. Sic & Prophetæ impressi dicuntur בשנת משא גי חויז לפק Anno *Onus vallis visionis* computi minoris. *Is.* xxii. Ubi literæ משא גי חוין valent 420. Frontispicium autem ad כתובים sive Hagiographa impressum est Anno באעבע אלהים כתובים scripta Digito Dei, ubi primæ duæ literæ vocis כתובים annum eundem 420 significant.

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ment of the Learned Reader from Biſhop *Beverege*'s *Arithmetice Chronologica*. And indeed I am not certain whether I owe not to Obſervations of this Kind the firſt Hint of this Method, which I have carried ſo far, and which doubtleſs, like all other Inventions, is ſtill capable of further Improvements.

What is added of the Miſcellany Kind, is a ſmall Part of what I had drawn up for my own Uſe, and ſhews how eaſily this Art may be applied to almoſt every Part of Learning. If upon the whole this Attempt ſhall be found to contribute to the more ſpeedy Attainment of uſeful Knowledge, and to give Men of Reading, inſtead of an imperfect and confuſed Remembrance of what they read, a ſatisfactory Certainty and Exactneſs, as I cannot think the little Time I have ſpent upon it ill beſtowed in Reſpect of my own Improvement, ſo I ſhall be glad that it proves of as much Benefit to others as I have found it to myſelf.

Nam ת valet 400, & ב 20. Hunc etiam in modum Talmud Baſileæ impreſſum dicitur שנת פדות שלח לעמו Anno *redemptionem miſit populo ſuo*, *Pſ.* cxi. Ubi literæ vocis שלח valent 338. Denique Seder Tephilloth Hiſpanienſis ſive Judæorum Hiſpanorum liturgia ingenioſiſſime impreſſa dicitur שנת הואת Hoc Anno, *i. e.* Anno 413, quem literæ הואת indigitant. *Lib.* I. c. 6.

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ERRATA.

Page 8, Line 27, instead of Ap*épni* read Abp*épni*,
38, 33, for 54 read 547.
42, 30, for Bef. Chriſt read A. D.
43, 1, for Bef. Chriſt read A. D.
58, 22, for Cho*cmo* read Choc*zimo*.
64, 13, for Agr*ik-eit* read Agr*ek-oit*.
113, 3 in the Note, for Troy read Averdupois.

Some trivial Errors of the Preſs have been obſerved but are not particularized, as they ſeem only to be ſuch as cannot miſlead the Reader; for Inſtance, Kng for King, at Page 29, Line 27.

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MEMORIA TECHNICA.

SECTION I.

THE principal Part of this Method is briefly this: To remember any Thing in Hiſtory, Chronology, Geography, *&c.* a Word is formed, the Beginning whereof being the firſt Syllable or Syllables of the Thing ſought, does, by frequent Repetition, of Courſe draw after it the latter Part, which is ſo contrived as to give the Anſwer. Thus, in Hiſtory, the Deluge happened in the Year before *Chriſt* two thouſand three hundred forty-eight; this is ſignified by the Word Del*etok*: Del ſtanding for DELuge, and *etok* for 2348. In Aſtronomy, the Diameter of the Sun (SOLIS Diameter) is eight hundred twenty-two thouſand one hundred and forty-eight *Engliſh* Miles; this is ſignified by Soldi-*ked-áfei*, Soldī ſtanding for the Diameter of the Sun, *ked-áfei*, for 822,148; and ſo of the reſt, as will be ſhewn more fully in the proper Place. How theſe Words come to ſignify theſe Things, or contribute to the remembering them, is now to be ſhewn.

The firſt Thing to be done is to learn exactly the following Series of Vowels and Conſonants, which are to repreſent the numerical Figures, ſo as to be able, at Pleaſure, to form a *Technical* Word, which ſhall ſtand for any Number, or to reſolve a Word already formed into the Number which it ſtands for

a	*e*	*i*	*o*	*u*	*au*	*oi*	*ei*	*ou*	*y*
1	2	3	4	5	6	7	8	9	0
b	*d*	*t*	*f*	*l*	*s*	*p*	*k*	*n*	*z*

Here *a* and *b* ſtand for 1, *e* and *d* for 2, *i* and *t* for 3, and ſo on.

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These Letters are assigned arbitrarily to the respective Figures, and may very easily be remembered. The first five Vowels in order naturally represent 1, 2, 3, 4, 5. The Diphthong *au*, being composed of *a* 1 and *u* 5, stands for 6; *oi* for 7, being composed of *o* 4 and *i* 3; *ou* for 9, being composed of *o* 4 and *u* 5. The Diphthong *ei* will easily be remembered for *ei*ght, being the Initials of the Word. In like Manner for the *Consonants*, where the Initials could conveniently be retained, they are made use of to signify the Number, as *t* for three, *f* for four, *s* for six, and *n* for nine. The rest were assigned without any particular Reason, unless that possibly *p* may be more easily remembered for 7 or Septem, *k* for 8 or ὀκτὼ, *d* for 2 or *duo*, *b* for 1, as being the first Consonant, and *l* for 5, being the Roman Letter for 50, than any others that could have been put in their Places.

The Reasons here given, as trifling as they are, may contribute to make the Series more readily remembered; and if there was no Reason at all assigned, I believe it will be granted that the Representation of nine or ten numerical Figures by so many Letters of the Alphabet, can be no great Burthen to the Memory.

The Series therefore being perfectly learned, let the Reader proceed to exercise himself in the Formation and Resolution of Words in this Manner:

10	325	381	1921	1491	1012	536	7967
az	*tel*	*teib*	*aneb*	*afna*	*bybe*	*uts*	*pousoi*

431	553	680	&c.
fib	*lut*	*seiz*	&c.

And as in Numeration of larger Sums, it is usual to point the Figures at their proper Periods of Thousands, Millions, Billions, *&c.* for the more easy Reading of them, as 172.102,795 one hundred seventy-two Millions, one hundred two thousand, seven hundred ninety-five; so, in forming a Word for a Number consisting of many Figures, the Syl-

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lables may be ſo conveniently divided, as exactly to anſwer the End of Pointing. Thus in the Inſtance before us, which is the Diameter of the Orbit of the Earth in *Engliſh* Miles: The *Technical* Word is Dorbter*boid-aze-poul*; the Beginning of the Word Dorbter, ſtanding for the Diameter of the Orbit of the Earth, (D-iameter Orbitæ Terræ) and the remaining Part of it *boid-aze-poul* for the Number 172.102,795.

N. B. Always remember that the Diphthongs are to be conſidered but as *one Letter*, or rather, as repreſenting only *one Figure*. Note alſo, that *y* is to be pronounced as *w* for the more eaſily diſtinguiſhing it from *i*, as *yd*=602, pronounce *ſwid*, *typ*=307 pronounce *twip*.

The Reader will obſerve that the ſame Date or Number may be ſignified by different Words, according as Vowels or Conſonants are made Choice of, to repreſent the Figures, or to begin the Words with, as,

325 *tel*, or *idu*, 154 *buf*, or *blo*, or *alf*, or *alo*. 93.451 *ni-ola*, or *out-fub*, or *ni-ſta*, or *out-olb*, &c.

This Variety gives great Room for Choice, in the Formation of Words, of ſuch Terminations as by their *Uncommonneſs* are moſt likely to be remembered, or by any *accidental Relation* or *Alluſion* they may have to the Thing ſought. Thus the Year of the World in which *Æneas* is ſuppoſed to have ſettled in *Italy* is 2824; but as this may be expreſſed either by *ekef* or *deiao*, I chuſe rather to join *deido* to *Æneas*, and make the Technical Word Æne*deido* than Æne*kef*, for a Reaſon which I think is obvious. Thus King *John* began his Reign *A. D.* 199. (one Thouſand being underſtood to be added, as I ſhall ſhew hereafter;) but as this may be expreſſed by *anou*, or *boun*, or *ann*, I make Choice of the laſt, for then it is but calling him *Jann* inſtead of John, and you have the Time almoſt in his Name. Thus *Inachus* King of *Argos* began his Reign in the Year before *Chriſt* 1856; with a very ſmall Variation in the Spell-

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ing, it is his Name Ina*kus*. More Inſtances of this kind, ſee in the *Introduction*.

To go on with our Art; it is further to be obſerved, that *z* and *y* being made uſe of to repreſent the Cypher, where many Cyphers meet together, as in 1000, 1000000, &c. inſtead of a Repetition of *azyzyzy*, which could neither be eaſily pronounced nor remembered, *g* ſtands for Hundred, *th* for Thouſand, and *m* for Million. Thus *ag* will be 100, *ig* 300, *oug* 900, &c. *ath* 1000, *oth* 4000, *otho* or *othf* 4004, *peg* 7200, *dig* 2300, *lath* 51000, *am* 1000000, *azmoth* 10.004,000, *ſumus* 65.000,056, *loum* 59.000,000, &c. The ſolid Content of the Earth (Terræ Magnitudo) is two Hundred ſixty-four Thouſand, eight Hundred fifty-ſix Millions of Cubick Miles; this is expreſſed by the Word Ter-magnit-*éſo-klaum*; Termagnit ſtanding for Terræ Magnitudo; *éſo-klaum* for 264,856.000,000 the Number of Cubick Miles.

It will be ſometimes alſo of uſe to be able to ſet down a Fraction, which may be done in the following Manner: Let *r* be the Separatrix between the Numerator and the Denominator, the firſt coming *before*, the other *after* it; as *iro* $\frac{3}{4}$ *urp* $\frac{5}{7}$ *pourag* $\frac{79}{100}$ or ,79 *north* $\frac{91}{100}$ or ,094 &c. Where the Numerator is 1, or Unit, it need not be expreſſed, but begin the Fraction with *r*, as $\frac{1}{2}$ *re*, $\frac{1}{3}$ *ri*, $\frac{1}{4}$ *ro*, &c So in Decimals, ,01 or $\frac{1}{100}$, *rag* ,001 or $\frac{1}{1000}$ *rath*.

Thus I have given the Reader a general View of what is the principal Part of this Method. I ſhall now proceed to ſhew how I have applied it to Hiſtory, Geography, Aſtronomy, and other Parts of uſeful Learning; and having explained a Line or two in each, leave the reſt to his own Induſtry and Sagacity.

SECTION

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SECTION II.

The Application of this Art to Chronology and Hiſtory.

THE Ages of the World before our Saviour's Time are by Chronologers generally divided into Six: The firſt, from the Creation to the Deluge; the Second, from the Deluge to the Call of *Abraham*, &c. according to the following Periods:

	Bef. Chriſt.
1. The CREATION of the World	4004
2. The univerſal DELUGE	2348
3. The Call of ABRAHAM	1921
4. EXodus, or the Departure of the *Iſraelites* from *Egypt*	1491
5. The Foundation of *Solomon's* TEMPLE	1012
6. CYRUS, or the End of the Captivity	536
The Birth of *Chriſt.*	

All this is expreſſed in one Line belonging to TAB. I. as follows:

Cr*othf* Del*etok* Ab*aneb* Ex*afna* Tem*bybe* Cyr*uts.*

Cr denotes the Creation, *othf* 4004, Del the Deluge, Ab the Calling of Abraham, Ex Exodus, Tem the Temple, and Cyr Cyrus. The Technical Endings of each repreſent the reſpective Year according to the Rules already laid down.

I ſhall explain two Lines more.

Nicſilcon-ár*itel*, Codathé-ma*teib*, Ephcethe-nés*fib.*
Châllemar-eud*iola*, Covijûſt-O*lut*, C-ágcopo-mon*ſeix.*

Theſe two Lines are a ſhort Hiſtory of the firſt Six General Councils; and every Syllable has its diſtinct Signification. The *firſt* repreſents the Place where it was held; the *ſecond* ſhews who was Pope at that Time; the *third* under what Emperor; the *fourth* againſt what Heretick; the *fifth*, in what Year of our Lord. Thus the firſt Word is Nicſilcon àri*tel*:

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Nic denotes the Council of Nice, ſil Pope Silvester, con the Emperor Conſtantine, ari the Heretick Arius, *tel* the Year 325. The ſecond Word is Codathé-ma*teib*; Co denotes the Council of COnſtantinople, da Pope Damaſus, *the* the Emperor Theodoſius, ma the Macedonians, *teib* 381. The third is Ephcethe-ne*sfib*; Eph the Council of Epheſus, ce Pope Celeſtine, *the* the Emperor Theodoſius, junior, nes the Neſtorians, *fib* the Year 431. The fourth is Challemar-eud*iola*; Chal the Council of Chalcedon, le Pope Leo, mar the Emperor Marcian, eudi the Errors of Eutyches and Dioſcorus, *ola* the Year 451. The fifth is Covijúſt-O*lut*; Co ſtands for COnſtantinople, vi Pope Vigilius, juſt the Emperor Juſtinian, O the Errors of Origen, *lut* the Year 553. The ſixth is C-ágcopo-mon*feiz*; C ſtands again for Conſtantinople, ag for Pope Agatho, copo the Emperor COnſtantine POgonatus, mon the Monothelites, *feiz* the Year 680.

By this Specimen the Reader will be able to judge what he is to expect from the following Eſſay, and what it will coſt him to make himſelf Maſter of it. I would by no Means have him diſcouraged at the Difficulty which, at firſt View, he may apprehend there is, in charging his Memory with ſo many harſh and barbarous Lines. For though they may appear to be ſo to a Perſon unacquainted with them, and as ſuch difficult to be remembered; yet when frequent Repetition has made them familiar, what can be more eaſy than to ſupply the remaining Part of a Word, which you are prompted with the Beginning of? As, for Inſtance, to complete Cr— Del— Ab— Ex— Tem— Cyr— with their Technical Endings, and make them up into the following Line already explained,

Cr*othf* Dél*etok* Ab*aneb* Ex*áfna* Tém*bybe* Cyr*uts*.

I have only further to deſire the Reader to take Notice, that for his greater Eaſe, that Part of the Memorial Words, which repreſents the Numbers or

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Dates, is diſtinguiſhed by *Italick* Characters; that Part, which is *Roman*, anſwers to the ſmall Capitals in the Tables.

TABLE I.

General Epochas and Æras Eccleſiaſtical and Civil.

	Bef. Chriſt.
The CREATION of the World [Cr*othf*]	4004
The univerſal DELUGE [Dél*etok*]	2348
The Call of ABRAHAM [Ab*aneb*]	1921
EXodus of the *Iſraelites* [Exáf*na*]	1491
The Foundation of *Solomon's* TEMPLE [Tém*bybe*	1012
CYRUS, or the End of the Captivity [Cyr*uts*]	536
The Birth of *Chriſt*	
The Deſtruction of TROY [Tróy*abeit*	1183
The Firſt OLYMPIAD [Olymp*ois*]	776
The Building of ROME [Romp*ut*	753
ÆRA of NABONASſAR [Ærnabonáſp*op*]	747
The PHILIPPICK Æra, or the Death of *Alexander* [Phíl*ido*]	324
The Æra of CONTRACTS, or of the *Seleucidæ*, called in the Book of *Maccabees* the Æra of the Kingdom of the *Greeks* [Contrác*tad*	312
	A. D.
The DIOCLESIAN Æra, or the Æra of Martyrs [Diocléſ*eko*]	284
The Æra of the *Hegira*, or Flight of MAHOMET [Máhom*audd*]	622
The Æra of YEZDEGIRD, or the *Perſian* Æra [Yézſ*id*]	632

The Memorial Lines.

Cr*othf* Dél*etok* Ab*aneb* Exáf*na* Tém*bybe* Cyr*uts*.
Tróy*abeit* Olymp*ois* Romp*ut* & Ærnabonáſp*op*.
Phíl*ido* Contrác*tad* + Diocléſ*eko* Máhom*audd* Yézſ*id*.

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THOUGH I have no where (except in the Ages of the Patriarchs before *Abraham*) made uſe of any other Æra than that of the Years before and after *Chriſt*, becauſe, thoſe being known, it is eaſy to find the correſpondent Year of any other Æra, according to the common Rules laid down in Books of Chronology, which I ſhall ſuppoſe the Reader to be acquainted with; yet in the more eminent Epochas, that he may be able, at firſt Glance, to have a Notion of the Time of any Thing or Perſon which he may meet with in Authors, making uſe of the *Julian* Period, and the Æra of the Creation of the World, I have alſo added them in the following Table.

TABLE II.

	Jul. Period.	*An M.*
The CREATION of the World	710	1
The univerſal DELUGE	2366	1656
The Call of ABRAHAM	2793	2083
EXodus of the *Iſraelites*	3223	2513
The Foundation of *Solomon*'s TEMPLE	3702	2992
CYRUS, or the End of the Captivity	4178	3468
The Deſtruction of TROY	3531	2821
The Firſt OLYMPIAD	3938	3228
The Building of ROME	3961	3251
The Birth of CHRIST	4714	4004

The Memorial Lines.

Créppaz Delpétſau Démaſus Abmezki Apépni.
Expidet Exmélat Tempipze Temménne Cymúntoſk.
Cyrpoboik Troypílta Trómekeb Olympinik Olmtéek.
Rompinſa Rómmidub Chriſmúndothſ Chriſperifoibe = 4714.

EXPLANATION.

The firſt Syllable points out the Epocha as before; the Addition of *p* or *peri* denotes that it is the Year of the *Julian* Period. The Addition of *m* or *mund*, that it is the Year of the World.

* If J. P. < 4714, then 4714 − J. P. = year B. C.
if J. P. > 4714, then J. P. − 4714 = year A. D.

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TABLE III.

Chronological and Hiſtorical Miſcellanies before Chriſt.

	Bef. Chriſt.
Building of the Tower of BABEL [Bábe*dit*]	2233
MIZRAIM ſettles in *Egypt* [Miz*dakk*]	2188
Deſtruction of SODOM and *Gomorrah* [Sód*akoup*]	1897
Death of JOSEPH [Joſéph*aſil*]	1635
ANNUS Sabbaticus, or the firſt Sabbatical Year [AnS*afff*]	1444
SAUL firſt King of *Iſrael* [Saulázn*u*]	1095
JEROBOAM, or the Defection of the Ten Tribes [Jéro*noil*]	975
SALMANESER King of *Aſſyria* takes *Samaria*, and extinguiſhes the Kingdom of *Iſrael*, [Salm*peb*]	721
HOLOFERNES invadeth *Judæa*, and is ſlain by *Judith* [Holofé*ſlu*]	655
NINEVEH deſtroyed by the *Medes* and *Babylonians* [Ninev*ſad*]	612
JEHOIAKIM taken Priſoner by *Nebuchadnezzar*, from whence began the 70 Years Captivity of the *Jews* [Jehoía*ſys*]	606
ZEDEKIAH ſent in Chains to *Babylon*, and *Jeruſalem* utterly deſtroyed by *Nebuzaradan*, Captain of the Guard to *Nebuchadnezzar*; the End of the Kingdom of *Judah* [Zed*leik*]	588
[*N. B.* The Kingdom of Iſrael [Iſre*lo*] / The Kingdom of Judah [Jude*ſk*] laſted 254 / 468 Years.]	
The BABYLONIANS having revolted from DARIUS Hyſtaſpes, are beſieged by him, and *Babylon* taken, after a Siege of 20 Months, by the Stratagem of *Zopyrus* [Babdárhy*las*]	516
SARDIS burnt by the *Athenians*; in Confederacy with the *Ionians*, which gave the firſt Riſe to the *Perſian* War againſt the *Greeks* [Sard*ug*]	500

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	Bef. Chriſt.
Zoroaſtres appears at the *Perſian* Court [Zoroa*ſne*]	492
Esther made Concubine to *Ahaſuerus* [Eſtho*ſa*]	461
The Feaſt of Purim inſtituted in Memory of the Defeat of *Haman*'s Plot for the Deſtruction of the *Jews* [Puro*lt*]	453
Ezra ſent to be Governour of *Judæa* [Ezro*lk*]	458
Nehemiah ſent Governour to *Judæa*, rebuilds the Walls of *Jeruſalem* [Nehemi*ffu*]	445
The Temple on Mount Gerizim began to be built by *Manaſſeh* [Gerizó*zei*]	408
The Tranſlation of the Septuagint [Septe*poi*]	277
Judas Maccabæus [Juma*ſs*]	166

4 The Memorial Lines.

Bábe*dit* & Mizdá*kk* Sóda*koup* Joſépha*ſil* An*Safff.*
Saulá*znu* Jéro*noil* Salm*peb.* Holofé*ſtu* Ninív*ſad.*
Jehoía*ſſs* Zedle*ik.* [*damavit* Iſre*lo*, Judo*ſk.*]
Bábdárhy*las* Sardug Zoroa*ſne* Eſtho*ſa* Puro*lt.*
Ezro*lk* Nehemi*ffu* Gerizó*zei* Septe*poi* Juma*ſs.*

Table IV.

Chronological and Hiſtorical Miſcellanies after Chriſt.

	After Chriſt.
Diſperſio Judæorum, or the Deſtruction of *Jeruſalem* by *Titus* [Diſ-jud*pa*	71
Lucius of *Britain*, the firſt Chriſtian King [Lúci*bup*]	157
Zenobia Queen of *Palmira* led in Triumph to *Rome* by *Aurelian* [Zenob*doid*]	272
Eccleſiæ Pax, or the Eſtabliſhment of Chriſtianity by *Conſtantine* [Eccleſi-pax*tad*]	312
St. Alban the *Britiſh* Protomartyr [Álban*tyt*]	303
Clovis the firſt Chriſtian King of *France* [Clóv*cka*]	481
Lingua Latina, or the Latin Tongue ceaſes to be vulgarly ſpoken in *Italy* [Ling-lat*cip*]	587

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	Aft. Chriſt.
Auguſtine the Monk, ſent by *Gregory the Great* from *Rome*, converts Ethelbert King of *Kent* [Aug-ethel*únau*]	596
Charlemagne declared Emperor of the Weſt [Charlm*eig*]	800
The Croisade, or Holy War [Crois*áznu*]	1095
Hybernia, or the Conqueſt of *Ireland* [Hyb*aboid*]	1172
Ottoman the Founder of the preſent *Turkiſh* Empire [Ott*adoup*]	1297
The Mariner's Compaſs found out [Comp*atze*]	1302
The Papal Seat remov'd to Avignon [Pap-av*atyl*]	1305
Walter Lollard with many of his Followers burnt in *Auſtria*, for oppoſing the *Romiſh* Superſtitions [Lol*atub*]	1351
Gunpowder invented in *Germany* by a Monk [Gunp*átfo*]	1344
Tamerlane the *Tartar* overcomes Bajazet the *Turk*, and puts him in an Iron Cage. (The Great Mogul is deſcended from him.) [Tambaj*atóun* Mog.]	1399
Scanderberg Prince of *Epirus* famous for his Victories over the *Turks* [Scander*boſt*]	1443
The Invention of Printing [Prin*afon*]	1449
Conſtantinople taken by the *Turks*, and an End put to that Empire [Conſtantino*bóli*]	1453
Chriſtopher Columbus, a Native of *Genoa*, diſcovers *Cuba* and *Hiſpaniola* [Colum*bont*]	1493

N. B. The Southern Continent of *America* was diſcovered about four Years after, by *Americus Veſpuſius*, from whom it took its Name.

The Memorial Lines.

Diſ-jud*pa* Lúci-*bup* Zenob*doid* Eccleſi-pax*tad*.
Alban*tyt* Clóv*oka* Ling-lat*leip* Aug-ethel*únau*.
Charlm*eig* Crois*áznu* Hyb*aboid* Ott*adoup* Comp*atze*.
Pap-av*atyl* Lol*atub* Gunp*átfo* Tambaj*atóun* [Mog.]
Scander*boſt* Prin*afon* Conſtantino*bóli* Colum*bont*.

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TABLE V.

The Regal Table of England *since the Conqueſt, and ſome of the moſt remarkable Princes before it.*

	Bef. Chriſt.
CASIBELAUNUS choſen chief Commander by the *Britains* againſt the Invaſion of *Julius Cæſar* [Caſibel*ud*]	52
	Aft. Chr.
Queen BOADICEA, the *Britiſh* Heroine, being abuſed by the *Romans*, raiſes an Army and kills 7000 [Bóad*aup*]	67
VORTIGERN invited the *Saxons* to the Aſſiſtance of the *Britains* againſt the *Scots* and *Picts* [Vortig*fof*]	446
HENGIST the *Saxon*, erected the Kingdom of *Kent*, the firſt of the Heptarchy [Heng*ful*]	455
King ARTHUR famous for his powerful Reſiſtance and Victories over the *Saxons* [Arth*laf*]	514
EGBERT who reduced the Heptarchy, and was firſt crowned ſole Monarch of *England* [Egbe*kek*]	828
ALFRED, who founded the Univerſity of *Oxford* [Alfré*kpe*]	872
CANUTE the *Dane* [Can*bau*]	1016
Edward the CONFESSOR [Confés*ſe*]	1042

WILLIAM the CONQ. [Wil-con*ſau*]	*Oct.* 14.	1066
William RUFUS [Ruf*koi*]	*Sept.* 9.	1087
HENRY I. [Henr*ag*]	*Aug.* 2.	1100
STEPHEN [Steph*bil*]	*Dec.* 2.	1135
HENRY the SECOND [Henſéc*buf*]	*Oct.* 25.	1154
RICHARD I. [Ric*bein*]	*July* 6.	1189
John [J*ann*]	*April* 6.	1199
HENRY the THIRD [Heth*das*]	*Oct.* 19.	1216
EDWARD I. [Ed*doid*]	*Nov.* 16.	1272
EDVARDUS SECUNDUS [Edſe*typ*]	*July* 7.	1307
EDVARDUS TERTIUS [Edter*tes*]	*Jan.* 25.	1326

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Richardus secundus [Riſetóip]	*June* 21.	1377
Henry the fourth [Hefotoun]	*Sept.* 20.	1399
Henry the fifth [Hefiſád]	*Mar.* 20.	1412
Henry the sixth [Henſifed]	*Aug.* 31.	1422
Edvardus quartus [Edquarfauz]	*Mar.* 4.	1460
Edward the fifth [Eſi-Rokt]	*April* 9.	1483
Richard III. [Eſi-Rokt]	*June* 22.	1483
Henricus septimus [Henſépfeil]	*Aug.* 22.	1485
Henricus octavus [Henoclyn]	*April* 22.	1509
Edvardus sextus [Edſexlos]	*Jan.* 28.	1546
Mary [Marylut]	*July* 6.	1553
Elisabeth [Elsluk]	*Nov.* 17.	1558
James I. [Jamſyd]	*March* 24.	1602
Carolus primus [Caroprimſel]	*March* 27.	1625
Carolus secundus [Carſecſok]	*Jan.* 30.	1648
James II. [Jamſeif]	*Feb.* 6.	1684
William and Mary [Wilſeik]	*Feb.* 13.	1688
Anne [Anpyb]	*March* 8.	1701
George I. [Gëobo]	*Aug.* 1.	1714
George II. [Gëoſecdoi]	*June* 11.	1727
George III. [Gëothpaux]	*Oct.* 25.	1760

The Memorial Lines.

Caſibel*ud* Bóad*aup* Vortig*fos* Heng*ful* & Arth*laf.*
Egbe*kek* Alfré*kpe* Can*bau* Confés*fe.*

Wil-con*ſau* Ruf*koi* Henr*ag.* ———
Steph*bil* & Henſéc*buf* Ric*bein* J*ann* Heth*das* & Ed*doid.*
Edſe*typ* Edter*tes* Riſe*toip* Hefo*toun* Hefiſádque.
Hénſi*fed* Edquar*fauz* Eſi-R*okt* Henſép*feil* Henoc*lyn.*
Edſex*los* Mary*lut* Els*luk* Jam*ſyd* Caroprim*ſel,*
Carſec*ſok* Jam*ſeif* Wil*ſeik* An*pyb* Gëo*bo*— *doi* — *paux.*

N. B. After *Canute* incluſive, One Thouſand is to be added to each: It was thought unneceſſary to expreſs it, it being a Thing in which it is impoſſible that any one ſhould miſtake.

If it be deſired to remember in what Month, and Day of the Month, each King began his Reign, it may be done by the following Lines:

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Wil-t*lô-sou-fat* Steph-d*e* Jam-ch*ef-fau* Ri-l*s-jeb-ed* El-n*ap*
Hen-g*é-tel-an* s*ez*-ch*ez* *gib*-g*ed*-p*ed* Geor-g*a*-j*ab* An-ch*ei*
Car-ch*ep-riz*Ma-l*s* Jo-p*s*Ed-n*ás-loi rél*-ch*o pou-rek*que.

Explanation.

The *Italick* Letters repreſent the Day of the Month; the Letter immediately preceding repreſents the Month itſelf, r ſtanding for Janu*a*ry, f for *F*ebruary, ch for Mar*ch*, p for *Ap*ril, m for *M*ay, j for *J*une, l for Ju*ly*, g for Auguſt, s for *S*eptember, *t* for October, n for *N*ovember, and d for *D*ecember.

Thus Steph-d*e*, Steph King Stephen, d*e* Dec. 2. El-n*ap* El Elizabeth, *nap* Nov. 17. In Words of three or more Syllables, the firſt Syllable ſtands for all the Kings of the ſame Name, and the following Syllables in order anſwer to the firſt, ſecond, third, &c. of that Name. So Jam-ch*ef-fau*; Jam denotes James I. & II. ch*ef* (viz. March 24.) belongs to James I. and *fau* (viz. Feb. 6.) to James II. So Ri-l*s-jeb-ed*; Ri denotes all the Richards, l*s* (viz. July 6.) belongs to Richard I. j*eb* (viz. June 21.) to Richard II. and *ed* (viz. 22. of the ſame Month) to Richard III.

If this be thought either too difficult, or too minute, the Reader may paſs it over.

Table VI.

Chronological Miſcellanies ſince the Conqueſt.

	Aft. Chriſt.
Jeruſalem regained from the *Turks* and Godfrey of Bulloigne made King of it [God-bul*nou*]	1099
The Inquiſition firſt erected againſt the *Albigenſes* [Inquiſ*ded*]	1222
The Confirmation of Magna Charta by King *Henry* III. [Chart*eel*]	1225

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Wat TYLER's Rebellion ſuppreſs'd [Ty*lika*]	1381
Jack CADE's Rebellion ſuppreſs'd [Cade*ſly*]	1450
MARTIN LUTHER begins to preach in *Germany* againſt Indulgences, and other Errors of the Church of *Rome* [Mar-luth*lap*]	1517
The Name of PROTESTANTS firſt began on Occaſion of the Proteſtation the *Lutherans* made againſt a Decree of the Chamber of *Spire* againſt them [Prot*alen*]	1529
The SMALCALDAN League, or Agreement made between the Proteſtants of *Germany* for their mutual Defence at *Smalcald* [Smalcal*loz*]	1540
The Council of TRENT began DEC. 13. [Tren-dec*at-alfu*]	1545
The MASSACRE of Proteſtants at PARIS [Maſ-par*aloid*]	1572
The UNITED PROVINCES, under the Protection of *William*, Prince of *Orange*, throw off the *Spaniſh* Yoke [Un-p*loin*]	1579
The SPANISH INVASION [Sp-inv*ukk*]	1588
The GUNPOWDER Treaſon [Powd*ſyl*]	1605
The famous Rebellion at *Naples*, on Occaſion of the grievous Exciſes, headed by MASANIELLO [Maſaniel*ſop*]	1647
Oliver CROMWELL uſurps the Government of *England* under the Name of Protector [Crom*ſli*]	1653
The Iſland JAMAICA in *America* taken by the *Engliſh* [Jamaic*aull*]	1655
CROMWELLI MORS [Crom-mor*ſuk*]	1658
GIBRALTAR taken by the *Engliſh* [Gibra*pzo*]	1704

The Memorial Lines.

God-bul*nou* Charte*el* Inquiſ*ded* Ty*lika* Cade*ſly*.
Mar-luth*lap* Prot*alen* Smalcal*loz* Tren-dec*at-alfu*.
Mas-par*aloid* Un-p*loin* Sp-inv*ukk* Powd*ſyl* Maſaniel*ſop*.
Crom*ſli* Jamaic*auil* Crom-mor*ſuk* capta Gibra*pzo*.

N. B A Thouſand is to be added as above, where it is not expreſſed.

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TABLE VII.

The PATRIARCHS *before and after the FLOOD.*

	Anno Mund.	Age.
ADAM [Ad*niz*]	1	930
SETH [Seth*áty-nad*]	130	912
ENOS [En*dil-nyl*]	235	905
CAINAN [Cai*tel-naz*]	325	910
MAHALALEEL [Mahala*toul-koul*]	395	895
JARED [Jaró*ſy-naud*]	460	962
ENOCH [Ench*ſéd-iſu*]	622	365
METHUSELAH [Methu*ſeip-naun*]	687	969
LAMECH [La*koiſ-poip*]	874	777
NOAH [Noacha*zus-nuz*]	1056	950
SHEM [Shem*bulk-aug*]	1558	600
ARPHAXAD [Ara*ſleí-ſik*]	1658	438
SALAH [Sala*ſout-ott*]	1693	433
HEBER [Heba*ped-óſo*]	1722	464
PELEG [Pela*púp-etou*]	1757	239
REU [Reu*apeíp-din*]	1787	239
SERUG [Sera*kán-diz*]	1819	230
NAHOR [Nahora*kón-bok*]	1849	148
TERAH [Tera*koík-dyl*]	1878	205
ABRAHAM [Abe*zyk-boil*]	2008	175
Isaac [Iſe*byk-beíz*]	2108	180
JACOB [Jácob*ebaúk-bop*]	2168	147

The Memorial Lines.

Ad*niz* Seth*áty-nad* ———
——— En*dil-nyl* Cai*tel-naz* Mahala*toul-koul.*
Jaró*ſy-naud* ———
Ench*ſed-iſu* Methu*ſeip-naun* La*koiſ-poip* Noacha*zús-nuz.*
Shem*bulk-aug* Ara*ſleí-ſik* Sala*ſout-ott* Heba*ped-óſo.*
Pela*púp-etou* Reu*apeíp-din* Sera*kán-diz* Nahora*kón-bok.*
Tera*koík-dyl* Abe*zyk-boil* Iſe*byk-beiz* Jácob*ebauk-bop.*

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TABLE VIII.

The PATRIARCHS, &c. *according to their Years before* Chriſt.

		Bef. Chriſt.
SETH [Séth*ikoif*]	Born	3874
ENOS s. [Enós*ipaun*]		3769
CAINAN s. [Cai*tſpou*]		3679
MAHALALEEL s. [Mahala*tſyn*]		3609
JARED s. [Jari*lof*]		3544
ENOCH s. [Ench*tike*]		3382
METHUSELAH s. [Methus*itap*]		3317
LAMECH s. [Lami*biz*]		3130
NOah s. [No*enok*]		2948
SHEM s. [She*ffs*]		2446
ARPHAXAD s. [Arphe*tos*]		2346
SALAH s. [Sal*dibb*]		2311
HEBER s. [Héb*deka*]		2281
PELEG s. [Pele*gedop*]		2247
REU s. [Réu*edap*]		2217
SERUG s. [Serúg*daku*]		2185
NAHOR s. [Nahr*dall*]		2155
TERAH s. [Ter*ebes*]		2126
ABRAHAM s. [Abrám*anous*]		1996
Isaac s. [I*ſakous*]		1896
Jacob s. [*Jakip*]		1837
LEVI s. [Lev*apus*]		1756

The Reader is deſired to take Notice, that in this and the following Tables, (where it could be done conſiſtently with the intended Brevity) the Relation which every Perſon bore to him who immediately goes before, is ſignified by a ſingle Letter; s ſtanding for Son or Siſter, b for Brother, n for Nephew or Niece, u for Uncle, g for Grandſon, m for Mother. So the s after Enos ſhews that he was the Son of Seth, and ſo on.

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The Memorial Lines.

Séth*ikoif* ———
Enós*ipaun* Cai*tspou* Mahala*tsyn* Jar*ilof* Ench*tike*.
Methus*itap* Lam*ibiz* No*enok* Sh*effs* Arph*etos* Sal*dibb*.
Héb*deka* Pelég*edop* Réu*edap* Serúg*daku* Nahr*dall*.
Ter*ebes* Abrám*anous* Is*akous* J*akip* Lev*apus*que.

TABLE IX.

The Judges of Israel *from the Death of* Moses *to* Samuel.

	Bef. Christ.
Moses moritur [Mos-m*ola*]	1451
Joshua [Jósh*fol*]	1445
Othoniel [Othózu]	1405
Ehud [Ehu*tel*]	1325
Deborah [Debo*deil*]	1285
Gideon [Gi*dol*]	1245
Abimelech [Abm*ets*]	1236
Thola [Thl*ett*]	1233
Jair [Jaï*daz*]	1210
Jephta [Jepht*akk*]	1188
Ibzan [Ibzâ*ke*]	1182
Elon [Elo*boil*]	1175
Abdon [Abdona*so*]	1164
Eli [Elí*bup*]	1157
Samuel [Sam*bap*]	1117

7

The Memorial Lines.

Mos-m*ola* Jósh*fol* Othózu Ehu*tel* Debo*deil* Gi*dol* Abm*ets*.
Thl*ett* Jaï*daz* Jepht*akk* Ibzâ*ke* Elo*boil* & Elí*bup*.
Abdon*aso* Sam*bap* ———

N. B. One Thousand is to be added. The Dates affixed to the Judges before *Abimelech* are supposed to relate not to the Beginning of their presiding over *Israel*, but to the End of the *Rest* given by them. *Vide* the Preface to *Petavii Rationarium*.

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TABLE X.

Kings of all ISRAEL.

	Bef. Chriſt.
SAUL [Saul*aznu*]	1095
DAVID [Dav*azul*]	1055
SOLOMON s. [Solom*ázal*]	1015

The Defection of the X Tribes 975.

Kings of *JUDAH.*

	Bef. Chriſt.
REHOBOAM s. [Reho*noil*]	975
ABIJAM s. [Abí*nup*]	957
ASA s. [Asa*nul*]	955
JEHOSAPHAT s. [--hoſaphan*bo*]	914
JEHORAM s. [--hor*kein*]	889
AHAZIAH s. [Ahazi*kku*]	885
ATHALIAH m. [Athli*kko*]	884
JEHOASH g. [--hoaaſh*koik*]	878
AMAZIAH s. [Amaz*kin*]	839
UZZIAH or AZARIAH s. [Uz-azari*kby*]	810
JOTHAM s. [Joth*puk*]	758
AHAZ s. [Aházpod]	742
HEZEKIAH s. [Heze*pep*]	727
MANASSEH s. [Man*ſout*]	693
AMON s. [Amón*ſot*]	643
JOSIAH s. [Joſia*ſoz*]	640
JEHOIAKIM s. [--hoiakim*ſyn*]	609
JEHOIAKIN s. [--hoiak*aug*]	600
ZEDEKIAH m. [Zedeki*lnei*]	598

Kings of *ISRAEL.*

	Bef. Chriſt.
JEROBOAM Son of *Nebat* [Jerob*noil*]	975
N-adab s. [N*nuf*]	954
BAASHA [Baa*nut*]	953

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Elah s. [El*niz*]	930
Zimri, Tibni and Omri [Zim-tib*nen*]	929
Omri alone [Om*nel*]	925
Ahab s. [Ahá*bnak*]	918
Ahaziah s. [Ahazi*koup*]	897
Joram b. [Jor*knau*]	896
Jehu Jehu*kko*	884
Jehoahaz s. [Jehoaha*klau*]	856
Jehoash s. [--hoash*kin*]	839
Jeroboam II. s. [Jerose*kdu*]	825
Zachariah s. [Zachara*ppt*]	773
Shallum Son of *Jabesh* [Shal-lu*ppe*]	772
Menahem s. of *Gadi* [Mena*ppe*]	772
Pekaiah s [Pekai*psa*]	761
Pekah [Peka*pun*]	759
Hosea s. of *Elah* [Hos*piz*]	730

9 *The Memorial Lines.*

Saul*aznu* Dav*azul* Solom*ázal* Reho-jerob*noil.*

Abi*nup* Asa*nul*, --hosapha*nbo*, --hor*kein* Ahazi*kku.*
Athli*kko* --hoaash*koik* Amaz*kin* Uz-azri*kky.*
Joth*puk* & Ahá*zpod* Heze*pep* Man*sout* & Amón*sot.*
Josia*soz* --hoiakim*syn* --hoiak*aug* Zedeki*lnei.*

N*nuf* Baa*nut* El*niz* Zim-tib*nen* Om*nel* Ahab*nak.*
Ahazi*koup* Jór*knau* Jehu*kko* Jehoaha*klau.*
--hoash*kin* Jerose*kdu* Zachara*ppt* Shallu*ppe* Mena*ppe.*
Pekai*psa* Peka*pun* Hos*piz.* ————

N. B. The Break before some of the Words denotes that Je is wanting, as --hosapha*nbo* for Jehosapha*nbo*, --hor*kein* for Jehor*kein*, &c.

Table XI.

10 *The PROPHETS.*

	Bef. Christ.
Jonas prophesied against *Nineveh* [Jon*kze*]	802
JOel prophesied [Jo*eig*]	800

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	Bef. Chriſt.
Amos propheſied againſt King *Jeroboam* [Am*peip*]	787
Hosea propheſies againſt *Iſrael* [Hoſe*pku*]	785
Isaiah began to propheſy [Iſ*pauz*]	760
Nahum propheſies againſt *Nineveh* [Náhu*puk*]	758
Micah propheſies againſt *Judah* and *Jeruſalem* [Mic*put*]	753
Jeremiah began to propheſy [Jer*ſta*]	631
Zephaniah propheſied [Zeph*autz*]	630
Habakuk propheſied [Haba*ſyn*]	609
Ezekiel in Captivity had his firſt Viſion [Eze*loul*]	595
Obadiah propheſies againſt the *Edomites* [Obadi*lkoi*]	587
Daniel had his Viſion of the four Empires [D*ull*]	555
Haggai propheſied [Hag*lez*]	520
Zechariah propheſied [Zechar*údz*]	520
Malachi writes his Book, which was the End of Viſion and Prophecy [Malach*inp*]	397

10 *The Memorial Lines.*

Jon*kzé* Joe*ig* Am*peip* Hoſe*pku* Náhu*puk* Iſ*pauz*.
Mic*put* Jer*ſta* Zeph*autz* Haba*ſyn* Eze*loul* Obadi*lkoi*.
D*ull* Hag*lez* Zechar*údz* Malach*inp* ———

Table XII.

Kings of Aſſyria *after the Diſſolution of the antient* Aſſyrian *Empire upon the Death of* Sardanapalus. ..

	Bef. Chriſt.
Arbaces [Arba*pop*]	747
Salmaneſer s. [Salm*pek*]	728
Sennacherib s. [Sennacho*ibo*]	714
Esarhaddon third s. [Eſarhado*pzau*]	706

Kings of BABYLON.

	Bef. Chriſt.
Belesis [Bele*ſpop*]	747
Nadius [Nad*pif*]	734

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		Bef. Christ.
CHinzirus, POrus, JUgæus	[Chi-Po-Jug-*pes*]	726.
Mardok EMpadus [Em*pea*]		721
ARkianus [Ark*pyn*]		709
BELIBUS [Belibu*pze*]		702
APRONadius [Apron*aunn*]		699
REGIBilus [Regib*ſni*]		693
MESeſſimordacus [Mes*ſoud*]		692

After his Death followed an *Inter-regnum* of eight Years, of which *Eſarhaddon* King of *Aſſyria* taking the Advantage ſeized *Babylon*, and adding it to his former Empire, thenceforth reigned over both for 13 Years.

Kings of Aſſyria *and* Babylon *jointly, the Royal Seat ſometimes at* Nineveh, *and ſometimes at* Babylon.

	Bef. Christ
Eſarhaddon, called in *Ptolemy*'s Canon ASSAR-Addinus [Aſſar*ſky*]	680.
SAOSduchinus s. [Saós*ſaup*]	667
CHYNiladanus [Chyn*ſop*]	647

Chyniladanus having made himſelf deſpicable to his People, *Nabopollaſar*, General of his Army, ſet up for himſelf; and being a *Babylonian* by Birth, made uſe of his Intereſt there to ſeize that Part of the *Aſſyrian* Empire, and reigned King of *Babylon* 21 Years. And in the 14th Year of his Reign, having made an Affinity with *Aſtyages*, the eldeſt Son of *Cyaxares*, by the Marriage of his Son *Nebuchadnezzar* with *Amyitis* the Daughter of *Aſtyages*, entered into a Confederacy with him againſt the *Aſſyrians*; and thereon joining their Forces together they beſieged *Nineveh*; and after having taken the Place, and ſlain *Saracus* the King (who was either the Succeſſor of *Chyniladanus*, or he himſelf under another Name) to gratify the *Medes*, they utterly deſtroyed that great and antient

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City, and from that Time *Babylon* became the ſole Metropolis of the *Aſſyrian* Empire. *Vide Prideaux Connect.* Part I. Book 1.

Kings of BABYLON.

	Bef. Chriſt.
Nabopollaſar [Nabopol*ſel*]	625
Nebuchadnezzar s. [Neb*ſys*]	606
Evilmerodoch s. [Evil*laub*]	561
Nerigliſſar b. in law [Neriglun]	559
* Laboroſoarchod s. Nabonadius s. of *Evil-merodoch* [Nabo*lul*]	555
Darius the Mede, i. e. *Cyaxares*, uncle of *Cyrus*, to whom *Cyrus* allowed the Title of all his Conqueſts as long as he lived (Darmed*lik*)	538

By his taking of *Babylon* ended the Babyloniſh Empire, after it had continued 209 Years. (Reg-Babyl*ezou*)

The Memorial Lines.

Arba*pop* & Salm*pek* Sennacho*ibo* Eſarhado*pzau*.
Beleſ*pop* Nad*pif* Chi-Po-Jug*pes* Emp*ea* Ark*pyn*.
Belibu*pze* Apron*daunn* Regib*ſui* Mes*ſoud* Aſſar*ſky*.
Saó*ſſaup* Chin*ſop* Nabopol*ſel* Neb*ſys* Evil*laub*.
Nerig*lun* Nabo*lul* Darmed*lik* Reg-Babyl*ezou*.

Table XIII.

† *Kings of* EGYPT.

	Bef Chriſt.
Sabacon the *Æthiopian* [Sabaco*pdoi*]	727
Sevechus s. [Sev*pan*]	719

* For the Reaſon why *Laboroſoarchod* is not named in *Ptolemy's* Canon, ſee *Prideaux Connect.* Part I. Book 2.

† Of the ancient Kings of *Egypt*, from *Mizraim* or *Menes*, we have little elſe but the Names, or fabulous Accounts.

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	Bef. Chriſt.
TIRHAkah, laſt of the *Æthiopians* [Tirha*pyl*]	705
Confederacy of the XII PRINCES [Prin-*bé-ſkei*]	688
PSAMITichus [Pſamit*ſpy*]	670
NECUS s. [Necus*ſas*]	616
PSAMMIS s. [Pſamm*aug*]	600
APRIES s. [Apr*unf*]	594
AMASIS [Amas*laun*]	569
PSAMMINITUS s. who was conquered by *Cambyſes*, ſon of *Cyrus* [Pſaminit*lel*]	525

Kings of MEDIA *after the Revolt of the* Medes *from* Sennacherib.

DEJOCES [Déjo*pxou*]	709
PHRAortes s. [Phra*ſlau*]	656
CYAXAres s. [Cyaxa*ſif*]	634
ASTYAges s. [Aſt*uno*]	594
*CYAXARES II. [Cy-*d-lun*]	559

Kings of PERSIA.

CYRUS [Cyr*uts*]	536
CAMBYſes s. [Camby*len*]	529
†[OROpaſtes MAGUS] Darius ſon of HYSTAſpes [Darhyſta*lda*]	521
XERXES s. by *Atoſſa*, daughter of *Cyrus* [Xerx*oku*]	485
Artaxerxes LONGimanus third s. [Long*fauf*]	464

* *Cyaxares* ſucceeded *Aſtyages* in the Civil Government, and *Cyrus*, Grandſon of *Aſtyages* by his Daughter *Mandana*, in the military Government.

† Herodotus calls him *Smerdis*; Cteſias, *Spendadates*; Æſchylus, *Mardus*; and in Scripture he is called *Artaxerxes*.

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	Bef. Chriſt.
Xerxes II. s. ſlain by Sogdianus baſe br. ſlain by Ochus baſe br. commonly called Darius Nothus [Dar-noth*odi*]	423
Arſaces eldeſt s. commonly called Artaxerxes Mnemon [Mn*gyf*]	404
Ochus s. [Och*ilk*]	358
Arses youngeſt s. [Ars*tip*]	337
Darius Codomannus, deſcended from *Darius Nothus* [Codoma*ttu*]	335

The Memorial Lines.

Saba*copdoi* Sev*pan* Tar*apyl* Prin-*bé-ſkei* Pſamit*ſpy*.
Necus*ſas* Pſamm*aug* Apr*unf* Amas*láun* Pſaminit*lel*.
Dejo*pxou* Phra*ſlau* Cyaxa*ſif* Aſt*uno* Cy-*d-lun*.
Cambyl*en* [Oro-mag] Dar-hyſt*alda* Xerx*oku* Long*fauf*.
[Xer*d*-ſog] Dar-noth*odi* Mn*oyf* Ars*tip* Och*ilk* Codoma*ttu*.

Table XIV.

The different Names of the ſame Perſons in Scripture and in Profane Authors.

* Arbaces	‖ Tiglath Pileſer, 2 *Kings* xv. 29.
† Beleſis / Nabonaſſar	Baladan, *Iſa.* xxxix. 1.
Mardok Empadus	Merodach Baladan, *Iſa. ibid.*
Aſſar-Addinus	Eſarhaddon, 2 *Kings* xix. 37. / Aſnapper, *Ezra* iv. 10.
‡ Nabonadius	Belshazzar, *Dan.* v. 28.
Cyaxares	Darius the mede, *Dan.* iii. 31.
Sabacon	So, 2 *Kings* xvii. 4.

* Called alſo by *Caſtor*, *Ninus*, junior.
‖ Alſo *Thilgamus* and *Thilgath Pilneſer*.
† Called alſo by Nicolas Damaſcenus, *Nanibrus*.
‡ Called alſo by Beroſus, *Nabonnedus*; by Megaſthenes, *Nabonnidochus*; by Herodotus, *Labynetus*; and by Joſephus, *Naboandelus*.

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Necus	Pharaoh Necho, 2 *Chr.* 35. 20.
Tarachus	Tirhakah, *Isa.* xxxvii. 9.
Apries	Pharaoh Hophrah, *Jer.* xliv. 30.
Dejoces	Arphaxad, *Jud.* i. 1.
* Artaxerxes Longimanus	Ahasuerus, *Esth.* ii. 16.
Salmaneſer	Enemeſſar, *Tob.* i. 2. / Shalmon, *Hoſ.* x. 14.
Sennacherib	Sargon, *Iſa.* xx. 1.
Astyages	Ahasuerus, *Dan.* ix. 1.
Sevechus	Sethon, *Herodot.* 2.
Saosduchinus	† Nabuchodonoſor, *Jud.* i.
Cambyſes	Ahasuerus, *Ezra* iv. 6.
Smerdis	Artaxerxes, *Ezra* iv. 7.

The Memorial Lines.

Arb-tig Bel-baſa-nab Nabonad-belſh Dar-m-cya Sab-ſo.
Dej-arphax Apr-hoph Empád-balad Aſs-eſar-aſnap.
Sen-ſarg Salm-ene-ſhalm Sev-ſeth Saos-nabu Smerd-art.
Art-long-ahas Cam-ahas —— Aſty-ahasque.

Table XV.

Kings of EGYPT *and* SYRIA, *after the Death of* Alexander the Great.

Kings of EGYPT.

	Bef. Chriſt.
Ptolemaus Lagus or Soter [Lag*tyo*]	304
Ptol Philadelphus s. [Pha*dko*]	284
Ptol. Euergetes s. [Eu*dos*]	246
Ptol. Philopator s. [Ptol-ph*eeb*]	221
Ptol. Epiphanes s. [Ptol-epiph*ezo*]	204

* Archbiſhop *Uſher* thinks that *Darius Hyſtaſpes* was the K. *Ahaſuerus* that married *Eſther*; *Scaliger*, that *Xerxes* was.

† *Nabuchodonoſor* was a Name among the *Babylonians*, commonly given to their Kings, as that of *Pharaoh* was among the *Egyptians*.

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	Bef. Chriſt.
Ptol. PHILOMETOR s. [Phom*beiz*]	180
Ptol. PHYSCON b. [Phyſco*bfu*]	145
Ptol. LATHYRUS s. [Lathy*radz*]	120
ALEXANDER n. [Alexan*ky*]	80
Ptol. AULETES baſtard s. of *Lathyrus* [Aul*aul*]	65
CLEOPATRA d. [Cleopat*la*]	51

Kings of SYRIA.

	Bef. Chriſt.
SELEUCUS NICANOR Sél-ni*tad*]	312
ANTIOCHUS SOter s. [Antí-ſo*doin*]	279
A-ntiochus THEOS s. [A-the*dauz*]	260
SELEUCUS CALLINICUS s. [Sel-cal*dfu*]	245
Seleucus CERAUNUS s. [Ceraun*eel*]	225
ANTIOCHUS MAGNUS b. [Ant-mag*dee*]	222
SELEUCUS PHILOPATOR s. [Sel-ph*aks*]	186
ANTIOCHUS E-piphanes b. [An-E*boil*]	175
ANTIOCHUS EUPATOR s. [Ant-eúpa*ſo*]	164
DEMETRIUS S-oter s. of *Seleucus Philopator* [Dem-S*áſe*]	162
ALEXANDER BALA [Al-bal*buz*]	150
Demetrius NICATOR ſon of *Demetrius Soter* D-nic*afu*]	145
Antiochus SIDETES b. [Sidét*boz*]	140
Demetrius NICATOR [D-nic*aty*]	130
ZEBINA [Zeb*bel*]	125
Antiochus GRYPUS ſon of *Demet. Nicat.* [Gryp*adi*]	123
SELEUCUS s. [Seleucu*ns*]	96
PHILIP b. [Philip*pe*]	92
TIGRANES King of *Armenia* [Tigran*eit*]	83

The Memorial Lines.

Lag*tyo* Pha*dko* Eu*dos* Ptol-ph*eeb* Ptol-epiph*ezo* Phom*beiz*.
Phyſco*bfu* Lathyr*adz* Alexan*ky* Aul*aul* Cleopat*la*.

Sél-ni*tad* Antí-ſo*doin* A-the*dauz* Sel-cal*dfu* Ceraun*eel*.
Ant-mag*dee* Sel-ph*aks* An-E*boil* Ant-eúpa*ſo* Dem-S*áſe*.
Al-bal*buz* D-nic*afu* Sidét*boz* D-nic*aty* Zeb*bel*.
Gryp*adi* Seleucu*ns* Philip*pe* Tigran*eit* ———

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TABLE XVI.

JEWISH *HIGH PRIESTS*, &c. *after the Return from the Captivity.*

	Bef. Christ.
JESHUA ſon of *Jozadack* [Jeſhúa*lis*]	536
JOIAKIM s. [Joiak*okt*]	483
ELIASHIB s. [Elſh*olt*]	453
JOIADAH s. [Joid*oat*]	413
*JOHANAN s. [Johanán*ipt*]	373
JADDUA [Jadu*tob*]	341
ONIAS PRIM. s. [On-prím*ida*]	321
SIMON the juſt s. [Sim-*jig*]	300
ELEAZAR b. [Eleá*dna*]	291
MANASSEH ſon of *Jaddua*, and uncle of *Simon the Juſt* [Manáſſe*ps*]	276
†ONIAS II. ſon of *Simon the Juſt* [On-ſ*dux*]	250
SIMON II. s. [Sim-ſec*dap*]	217
ONIAS tertius s. [On-t*boul*]	195
JASON b. [Jas*boil*]	175
MENELAUS b. [Menel*ape*]	172

On the Death of *Menelaus*, *Alcimus* was made High Prieſt by *Antiochus Eupator*. After him *Jonathan* br. of *Judas* was made High Prieſt by *Alexander Bala*.

Judas MACCABÆUS (s. of *Mattathias*, deſcended from *Aſmonæus*) Captain of the *Jews* [Ju-máccaba*ſis*]	166
JONATHAN b. [Jóna*bauz*]	160
SIMON MACC. b. [Si-mac*bot*]	143
HYRCANUS s. [Hyrc*atu*]	135
K. ARISTOBULUS s. [K-Ar*bys*]	106
Alex. JANNÆUS b. [Jannæ*xu*]	105
ALEXANDRA w. [Alxánd*roik*]	78

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* Called alſo *Jonathan*. *Nehem.*

† He being an Infant at his Father's Death, *Eleazar* was made High Prieſt.

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	Bef. Chriſt.
(ARISTOBULUS SECUNDUS younger s. K. [Ariſtób-ſec*aun*])	69
HYRCANUS SECUNDUS elder b. H. P. [Hyrca-ſecun*ſi*]	63
ANTIGONUS younger ſon of *Ariſtobulus* [Antigon*ox*]	40
HEROD ſon of *Antipas* [Herod*ik*]	38
ARCHELAUS [Archel*s*]	3

The Memorial Lines.

Jeſhúa*lis* Joiak*okt* Elſh*olt* Joiad*oat* Johanán*ipt*.
Jadu*tob* On-prim*ida* Sim-*jig* Elea*dna* Manaſſ*eps*.
On-ſ*dux* Sim-ſec*dap* On-t*boul* Jasb*oil* Menela*pe*.
Ju-máccab*aſs* Jónab*aux* Si-mac*bot* Hyrc*atu* K-Ar*bys*.
Jannaz*u* Alxándr*oik* Ariſtób-ſec*aun* Hyrca-ſecun*ſi*.
Antigon*ox* Herod*ik* Archel*s*.

TABLE XVII.

Founders, &c. of Antient Monarchies.

	Bef. Chriſt.
NINUS Founder of the *Aſſyrian* Monarchy [Nine*zlou*]	2059
SEMIRAMIS Wife of *Ninus* [Sem*anaul*]	1965
SARDANAPALUS in whom ended the *Aſſyrian* Monarchy [Sardan*pop* or *paup*]	747 767
ÆGIALEUS, King of *Sicyon* [Ægiale*zkou*]	2089
INACHUS, firſt King of *Argos* [In*akus*]	1856
The OGYGIAN Flood under *Ogyges* Kng of *Attica* [Ogyg*apaus*]	1766
PROMETHEUS, ſon of *Japetus*, brother of *Atlas* [Pra*ſkoi*]	1687
CECROPS firſt King of *Athens* [Cec*blus*]	1556
SISYPHUS firſt King of *Corinth* [Siſyphálz*o*]	1504
TEUCER firſt King of *Troy* [Teuc*buxd*]	1502
CADMUS firſt King of *Thebes* [Cadmáſ*no*]	1494
SATURN expelled *Crete* by his Son *Jupiter*, ſettles in *Italy* [Sat*atty*]	1330

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	Bef. Chriſt.
Perseus firſt King of *Mycenæ* [Pérſatat]	1313
Hercules, Son of *Jupiter* by *Alcmena* [Herbdoif]	1274
The Argonautick Expedition [Argobdaup]	1267
Oedipus King of *Thebes* [Oédibeſs]	1266
Theseus Son of *Ægeus* [Thesbdif]	1234
*Codrus the laſt King of *Athens* [Codráxpa]	1071
Caranus firſt King of *Macedon* [Cárankaf]	814
Candaules King of *Lydia* [Candauptu]	735
Croesus King of *Lydia* [Crœsúſe]	562
Cyrus Founder of the *Perſian* Empire [Cyruts]	536
Alexander Founder of the *Grecian* Empire [Alexita]	331
Julius Cæſar Founder of the *Roman* Empire [Julas]	46

The Memorial Lines.

Ninexlou Semanaul Sardanpop or paup Ægialéxkou.
Inákus Ogygapaus Praſkoi, Cecblus Siſyphálxo.
Teucbuxd Cadmáſno Satátty Péſſatat Herbdoif.
Argóbdaup Oédibeſs Thesbdif Codráxpa Carankaf.
Candauptu Crœsúſe Cyruts Alexita Julas.

Table XVIII.

Grecian *HISTORY.*

	Bef. Chriſt.
The Theban War [Thebadel]	1225
Firſt Meſſenian War [Meſſpot]	743
Second Meſſenian War [Meſsku]	685
Battle of Marathon [Marathonx]	490

---

* After the Death of *Codrus* the *Athenians* had perpetual Archons, the firſt of which was Medon [Medaxoix]	1070
Then Decennial Archons, the firſt of which was Charops [Charopſuo]	754
Then Annual Archons, the firſt of which was Creon [Creſeix]	680

Medaxoix Charopſuo Creſeix.

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	Bef. Chriſt.
Battle of SALAMIS [Salam*óky*]	480
Battle of EURYMEDON [Eurymed*opæ*]	470
The PELOPONNESIAN War [Pelo*ſib*]	431
Battle of LEUCTRA [Leuctra*tpi*]	373
Battle of MANTINEA [Mant*iſi*]	363
PHOCÆAN or Sacred War [Phoc*ilp*]	357
Battle of the R. GRANICUS [Grani*tif*]	334
Battle of Iſſus [Is*tit*]	333
Battle of ARBELA [Arb*tib*]	331
ALEXANDER the Great ſucceeds *Phillip* [Alex*tis*]	336
Philip ARIDÆUS [Ar*tet*]	323
Alexander ÆGUS [Æg*tas*]	316

The Memorial Lines.

Theb*adel* & Meſſ*pot* Mes*ſku* Marath*ónx* Salam*óky*.
Eurymed*opæ* Pelo*ſib* Leuctra*tpi* Mant*iſi* Phoc*ilp*.
Grani*tif* Is*tit* Arb*tib* Alex*tis* Ari*tet* Æg*tas*.

N. B. After the Death of *Alexander*, there aroſe great Confuſions among his Followers about the Succeſſion, each ſeizing what he could for himſelf, till by leaguing and making War againſt each other, they were, after ſome Years, all deſtroyed except four. Theſe were *Caſſander*, *Lyſimachus*, *Ptolemy*, and *Seleucus*, and they divided the whole Empire between them.

CASSANDER had MACEDON and GREECE.
LYSIMACHUS had THRACE and thoſe Parts of *Aſia* which lay upon the HELLESPONT and the BOSPHORUS.
PTOLEMY had Æ-gypt, LIBYA, A-rabia, PALESTINE, and Cœlo-SYRIA.
SELEUCUS all the reſt of Asia, *&c.*

Cáſſ-magre Lyſ-thrachebos Ptol-ælib apalſy Seleuc-as.

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TABLE XIX.

GRECIAN *Lawgivers, Philoſophers, and Poets.*

	Bef. Chriſt.
LYCURGUS born [Lyc*nes*]	926
DRACO [Drá*ſdo*]	624
SOLON died [So*lun*]	559
PYTHAGORAS died aged 80. [Pythág*lys*]	506
EUCLID the Geomet. fl. [Euc*lizau*]	306
SOCRATES died [Soc*rinn*]	399
XENOPHON died [Xenóph*ilou*]	359
PLATO died [Pla*tok*]	348
DIOGENES died aged 90. [Dio*tet*]	323
ARISTOTLE died aged 63. [Aris*téd*]	322
EPICURUS died aged 72. [Epicu*dpa*]	271
ARCHIMEDES died [Archi*dad*]	212
LINUS and Orpheus [Lin*adka*]	1281
HOMER died [Hom*nad*]	912
ARCHILOCHUS [Archiloch*uſkau*]	686
SAPPHO [Sapph*ſyd*]	602
ANACREON [Anac*loud*]	592
ÆSCHYLUS born [Æſch*lel*]	525
PINDAR died, aged 80. [Pind*fōz*]	440
SOPHOCLES born [Sophocl*ozoi*]	407
THEOCRITUS fl. [Theócr*eku*]	285
LYCOPHRON fl. [Lycophr*epz*]	270

The Memorial Lines.

Lyc*nes* Drá*ſdo* So*lun* Pythág*lys* Euc*lizau* Soc*trinn*.
Xenoph*ilou* Pla*tok* Dio*tet* Aris*ted* Epicu*dpa*.
Archi*dad* Lin*adka* Hom*nad* & Archiloch*uſkau*.
Sapph*ſyd* & Anác*loud* Æſch*lel* Pind*fōz* Sophocl*ozoi*.
Theóc*reku* Lycophr*epz*.—

TABLE XX.

ROMAN *HISTORY.*

The Foundation of Rome was laid in the 3961 Year of the *Julian* Period [Rom*prinſa*] *Anno Mundi*

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3251 [Rom*midub*] in the Year before *Chriſt* 753, or as ſome 752, [Rom*put*] upon the 22 Day of April [Apri*de*] in the fourth Year of the ſixth Olympiad [*fols*]

The Regal State under VII. Kings laſted 245 Years [Stat-reg*dol*]

	Bef. Chriſt.
Romulus [Rom*put*]	753
Numa Pompilius [Num*paf*]	714
Tullus Hoſtilius [Hoſtil*ſpy*]	670
Ancus Martius [Anc*ſip*]	637
Tarquinius Priſcus [Pris*ſaf*]	614
Servius Tullius [Serv*ups*]	576
Tarquinius Superbus [Super*lid*]	532

The Memorial Lines.

Rom*pinſa* Rom*midub* Rom*put* *fols* Apri*de*. Num*paf* Hoſtil*ſpy* Anc*ſip* Pris*ſaf* Serv*ups*que Super*lid*.

Table XXI.

The Consular State from *Brutus* and *Collatinus* the firſt Conſuls, to *Julius Cæſar* being made perpetual Dictator, laſted 464 Years [Stat-conſular*oſo*]

	Bef. Chriſt
Conſuls firſt made [Conſul*zoi*]	507
Firſt Dictator [Dic*onoi*]	497
Creation of the Tribunes [Trib*foud*]	492
Creation of the Decemviri [Decem*voly*]	450
Creation of the Military T-ribunes [Mil-t*fox*]	440
Incendium Urbis, or the Burning of the City by the *Gauls* [Incend*ikk*]	388
War with the Samnites [Samn*ife*]	342
War with Pyrrhus King of *Epirus* [Pyr*doin*]	279
Firſt Punick War	263
Second Punick War [Bel-pun*eſi-das-bok*]	216
Third Punick War	148

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	Bef. Christ.
The End of the Sedition of the GRACCHI [Gracch*ade*]	122
The JUGURTHINE War [Jugu*bzou*]	109
War with the CIMBRI [Cim*bat*]	113
The Social or ITALIAN War [Ital*ein*]	89
War begun with MITHRIDATES [Mithrid*kou*]	89
DICTATORSHIP of SYLLA [Syl-dic*teiz*]	80
CATALINE's Conſpiracy [Catal*aud*]	62
Firſt TRIUMVIRATE [Tr*un*]	59
Battle of PHARSALIA [Phars*op*]	47
Battle of PHILIPPI [Bat-phil*ob*]	41
Battle of ACTium [Ac*ta*]	31

2 *The Memorial Lines.*

Conſul*zoi* Dic*onoi* Trib*foud* Decem*voly* Mil-t*foz*.
Incend*ikk* Samn*iſe* Pyr*doin* Bel-pu*neſi-das-bok*.
Gracch*ade* Jugu*bzou* Cim*bat* Ital*ein* Mithrid*kou*.
Syl-dic*teiz* Catal*aud* Tr*un* Phars*op* Bat-phil*ob* Ac*ta*.

TABLE XXII.

The Twelve CÆSARS.

	Bef. Christ. / *An. Dom.*
I. JULIUS [Juli*os*]	46
II. AUGUSTUS great n. [Auguſt*el*]	25
III. TIBERIUS ſtep-s. [Tiber*bu*]	*An. Dom.* 15
IV. CALIGULA great n. [Caligul*ik*]	38
V. CLAUDIUS u. [Clo*d*]	42
VI. NERO ſtep-s. [Ne*rul*]	55
VII. GALBA / VIII. OTHO [Galb-otho*ſou*]	69
IX. VITELLIUS / X. VESPAſian [Vit-veſp*oiz*]	70
XI. TITUS s. [Tit*pou*]	79
XII. DOMITIAN b. [Domit*ka*]	81

6 *The Memorial Lines.*

Julio*s* Auguſt*el* + Tiber*bu* Caligul*ik* Clo*d*.
Ner*ul* Galb-otho*ſou* Vit-veſp*oiz* Tit*pou* Domit*ka*.

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N. B. The Reign of *Julius Cæſar* is here ſuppoſed to commence from the Death of *Pompey*, which made Way for his abſolute Power ſoon after: The Reign of *Auguſtus* from the full Eſtabliſhment of his Authority by the Senate and People. Some make it commence from the Death of *Anthony*; and others, yet ſooner, from the Death of *Julius Cæſar*.

TABLE XXIII.

The ROMAN *Emperors from* NERVA *to* CONSTANTINE.

	An. Dom.
XIII. NERVA [Nervous]	96
XIV. TRAJAN [Trank]	98
XV. ADRIAN [Adraap]	117
XVI. ANTONINUS Pius [Antbip]	137
XVII. ANTONINUS PHILOSOPHUS s. [Antphibſa]	161
XVIII. COMMODUS s. [Commódbeiz]	180
XIX. PERTINAX XX. Didius JULIAN XXI. Septimius S-everus [Pert-juliſant]	193
XXII. CARACALLA & Geta ss. [Caradab]	211
XXIII. MACRINUS & Diadumenus [Mac-hedap-k]	217 218
XXIV. HELIOGABALUS	
XXV. ALEXANDER S-everus [Al-ſedd]	222
XXVI. M-aximinus and M-aximus [Mmetu]	235
XXVII. Pupienus & B-albinus [Pu-bdik]	238
XXVIII. GORDIAN [Gordin]	239
XXIX. PHILIP [Pheff]	244
XXX. DECIUS [Decidon]	249
XXXI. * GALLUS & VOluſian [Gal-vódla]	251

* GALLUS. Between *Gallus* and *Valerian*, ſome Writers rank *Æmilian* among the Number of Emperors, but becauſe he was never eſtabliſhed in the Empire, nor his Title generally acknowledged, others more juſtly place him only among the Uſurpers.

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		An. Dom.
XXXII.	Valerian [Valér*eli*]	253
XXXIII.	Gallienus [Galn*dauz*]	260
XXXIV.	* Flavius Claudius [Cle*ſk*]	268
XXXV.	Aurelian [Aur*epz*]	270
XXXVI.	Tacitus [Taci*doil*]	275
XXXVII.	Probus [Prob*dois*]	276
XXXVIII.	Carus and his Sons Carinus and Numerian [Carr-nu*dke*]	282
XXXIX.	Diocleſian and Maximian [Di-max*deif*]	284
XL.	Conſtantius Chlorus and Galerius [Chlo-gal*tyt*]	303
XLI.	† Constantine the Great [Cons*tys*]	306
XLII.	Filii Constantini, the three Sons of *Conſtantine*, viz. *Conſtantine*, *Conſtantius*, and *Conſtans* [Fil-cons*tip*]	337
XLIII.	Julian, Nephew to *Conſtantine the Great* [Juli*ſa*]	361
XLIV.	Jovian [Jov*tauf*]	364

The Memorial Lines.

Ner*vous* Tr*ank* Adr*aap* Ant*bip* Ant-phi*bſa* Commód-*beiz.*

Pert-juli-s*ant* Cara*dab* Mac-he*dap-k* Al-s*édd* Mme*tu* Pu-b*dik.*

Gord*in* Phe*ff* Deci*don* Gal-vo*dla* Valér*eli* Galn*dauz.*

Cl*eſk* Aur*epz* Taci*doil* Prob*dois* Carr-nu*dke* Di-max*deif.*

Chlo-gal*tyt* Cons*tys* Fil-cons*tip* Juli*ſa* Jov*tauf.*

---

* Flavius Claudius. Upon the Death of *Claudius*, *Aurelian* was unanimouſly choſen by the Army; and at the ſame Time *Quintillus*, Brother to *Claudius*, was proclaimed Emperor in *Italy*, and his Election allowed by the Senate; but finding himſelf unable to ſupport his Cauſe againſt *Aurelian*, he diſpatched himſelf, by cauſing his Veins to be opened, after a ſhort Reign only of 17 Days before he was rightly ſettled in his Empire; for which Reaſon he is here omitted.

† Constantine was ſaluted Emperor of the *Weſt* upon the Death of his Father *Conſtantius Chlorus*; but was not *ſole Monarch* till the Defeat and Death of Licinius, *An. Dom.* 323. [Licini*ter*] He removed the Imperial Seat to Byzantium in the Year 330. [Byzan*tiz.*]

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TABLE XXIV.

The Diviſion of the EMPIRE.

EASTERN.	A. D.	WESTERN.	A. D.
VALENS [Vali*ſo*]	364	VALENTINIAN [Valtini*tauf*]	364
THEODOSIUS MAGNUS [The-mag*toin*]	379	GRATIAN [Gra*toil*]	375
ARCADIUS [Arc*toul*]	395	VALENTINIAN the SECOND [Val-*sikt*]	383
THEODOSIUS JUNIOR [Theo-jún*ozei*]	408	HONORIUS [Hono*tni*]	393
MARCIAN [Marc*olz*]	450	VALENTINIAN the THIRD [Va-*tódo*]	424
LEO [Le*oloi*]	457	MAXIMUS AVITUS [Max-avi*ful*]	455
ZENO [Zeno*ſpo*]	474	MAJORIAN [Maj*olp*]	457
ANASTASIUS [Anaſta*fna*]	491	* * * * *	
JUSTIN [Juſt*lak*]	518	AUGUSTULUS, in whom ended the *Weſtern* Empire [Auguſt*foil*]	475
JUSTINIAN [Juſtini*lep*]	527	The Reſtoration of the *Weſtern* Empire by CHARLEMAGNE [Charlm*eig*]	800
* * * * *		* * * * *	
PHOCAS [Phoc*auze*]	602	OTHO MAGNUS [Oth-mag*nis*]	936
* * * * *		* * * * *	
LEO Isauricus [Leiſ*pap*]	717	HENRICUS QUARTUS [Hen-quar*bzup*]	1057
* * * * *		* * * * *	
IRENE [Irén*poup*]	797	Frederick ÆNOBARBUS [Æn*bale*]	1152
BASILIUS MACEDO [Baſ-mace*kaup*]	867	* * * * *	
* * * * *		FREDERICUS SECUNDUS [Fre*bdap*]	1217
LEO PHILOSOPHUS [Leo-phe*iks*]	886	* * * * *	
* * * * *			
ALEXIUS COMNENUS [Al-c*azka*]	1081		
* * * * *			
MICHAEL PALÆOLOGUS [Micha-pal*adſa*]	1261		
* * * * *			

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CONSTANTINOple taken in the Reign of *Constantine Palæologus* the last Emperor of the *East* [Constantino*boli*] vid. page 11. 1453

The Memorial Lines.

EASTERN *Emperors.*

Val*iso* The-mag*toin* Arc*toul* Theo-jún*ozei* Marc*olz*.
Léo*loi* Zeno*fpo* Anasta*fna* ———
Just*lak* Justini*lep* Phoc*auze* Le-is*pap* Iren*poup*.
Bas-mace*kaup* Leo-ph*eiks* Al-c*azka* Micha-pal*adsa*.

WESTERN *Emperors.*

Valtini*tauf* Gra*toil* Val-s*ikt* Hono*tni* Va-*todo*.
Max-avi*ful* Maj*olp* ——— August*foil*.
Charlm*eig* Oth-mag*nis* Hen-quar*bzup* Æn*bale* Fre*bdap*.

It was not agreeable with the Author's Design to give a *compleat* Table of all the *Eastern* and *Western* Emperors. The Succession is carried down to the Sixth Century; and after that, only a few are added of such as were most remarkable: To which it may not be improper to subjoin those Persons who were famous for wasting and ravaging the *Roman* Empire.

	An. Dom.
ALARIC, King of the *Goths*, besieges, takes, and plunders *Rome* [Alr*obz*]	410
ATTILA, King of the *Huns*, called the Scourge of God, ravages *Italy* [Atti*fla*]	451
GENSERIC the *Vandal* sacks *Rome* [Gens*ful*]	455
ODOACER, King of the *Heruli*, makes himself Master of *Italy*, and assumes the Name of King [Od*ops*]	476
THEODORICK, King of the *Ostrogoths*, drives *Odoacer* from *Rome*, and kills him with his own Sword [Theód*oni*]	493
TOTILAS the *Ostrogoth* takes Rome [Tot*lop*]	54

Alr*obz* Atti*fla* Gens*ful* Od*ops* Theód*oni* Tot*lop*.

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TABLE XXV.

EASTERN *General Councils*, vid. page 5.

Place.	*Pope.*	*Emperor.*	*Heretick.*	*Year*
I. Nice	Silveſter	Conſtantine	Arius	325
II. COnſtantinople	Damaſus	Theodoſius Magnus	Macedonians	381
III. Epheſus	Celeſtine	Theod. jun.	Neſtorians	431
IV. Chalcedon	Leo	Marcian	Eutyches & Dioſc.	451
V. COnſtantinople	Vigilius	Juſtinian	Origeniſts	553
VI. Conſtantinople	Agatho	Conſtantine POgonatus	Monothelites	680

The Memorial Lines.

Nicſikon-ári*tel* Codathé-ma*teib* Ephcethe-nes*ſib*.
Challemar-eudi*ola* Covijúſt-O*lut* C-agcopo-mon-*ſeiz*.

WESTERN *General Councils.*

I. Lateran	1122	I. Lyons	1255
II. Lateran	1139	II. Lyons	1274
III. Lateran	1175	[Lyo*dúl-doif*]	
IV. Lateran	1215	Vienna [Vi*taa*]	1311
V. Lateran	1517	Conſtance [Conſt*faf*]	1414
[Lat*béd-in-oil-dal-lap*]		Baſil [Baſ*ſia*]	1431
		Florence [Floren*ſin*]	1439
		Trent [Tren*alol*]	1545

The Memorial Lines.

Lat*bed-in-oil-dal-lap* Lyo*dul-doif* Vi*taa* Conſt*faf*.
Baſ*ſia* Floren*ſin* Tren*alol* ——

N. B. A Thouſand is to be added. Note alſo that the Second and Third *Lateran* being in the ſame Century with the Firſt, *b* is left out; as *bed-in-oil*, inſtead of *bed-bin-boil*; the Syllables in Order anſwering to the Order of the Councils.

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Councils not Œcumenial.

Ancyra Neocæsarea	[Anc-neo*tal*]	315	Antioch [An*tob*]	341
			Sardica [Sard*isp*]	347
Gangra [Gang*toz*]		340	Laodicea [Laod*isa*]	361

Anc-neo*tal* Gang*toz* An*tob* Laod*isa* Sard*isp*.

Table XXVI.

FATHERS, HERETICKS, &c.

	Fl. *An. Dom.*
Hermas Pastor [Herm-pas*taul*]	63
—Clemens Romanus [Clé-rom*aul*]	65
Ignatius [Igna*bza*]	101
Polycarp [Polycar*ázei*]	108
—Justin Martyr [Jus-mar*boz*]	140
—Irenæus [Ir*asp*]	167
Theophilus Antiochenus [Th*ask*]	168
Athenagoras [Athn*app*]	177
—Clemens Alexandrinus [Cl-ex*ane*]	192
—Tertullian [Tert*and*]	192
Minutius F-elix [Mi-f*dez*]	220
—Origen [Or*etz*]	230
Gregory Thaumaturgus [Thaum*elf*]	254
Cyprian martyred (Cypr*elk*]	258
Lactantius [Lactant*yt*]	303
Arnobius [Arn*tyt*]	303
—Eusebius Pamphilius [Eu-pam*tal*]	315
Athanasius [Atha*tes*]	326
Cyril of Jerusalem [Cyr-j*ilz*]	350
Hilary [Hilar*ilf*]	354
Epiphanius [Epiphán*isk*]	368
Ephraim Syrus [Eph-syr*toiz*]	370
Basil Magnus [Bas-mag*toiz*]	370
Gregory Nazianzen [Greg-naz*toiz*]	370
Macarius [Macar*ipt*]	373
—Ambrose [Ambro*tpo*]	374
—Jerom [Jerom*tcik*]	378
Evagrius [Evag*teiz*]	380

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	Fl. *An. Dom.*
Rufin [Rufin*z*]	390
Austin or Auguſtin [Auſtin*s*]	396
Chrysoſtom [Chryſo*touk*]	398
Cyril of Alexandria [Cyr-alex*ôbe*]	412
Philo Judæus [Phil-ju*fy*]	40
Josephus [Joſéph*aup*]	67
Aquila [Aqui*bek*]	128
Theodotion [Theodó*tapu*]	175
Symmachus [Symché*zb*]	201

HERETICKS.

	An. Dom.
Cerinthus [Cerinth*eiz*]	80
Papias [Pap*aaz*]	110
Basilides [Baſili*bbe*]	112
Valentinian [Valent*ady*]	120
Marcian [Marc*boz*]	140
Hermogenes [Hermog*apy*]	170
Montanus [Mont*âpe*]	172
Novatian [Nov*dua*]	251
Paulus Samoſatanus [Pau-ſam*daux*]	260
Manes [Man*epp*]	277
Arius [Ari*tel*] page 6.	325
Donatus [Dóna*ten*]	329
Eunomius [Eunomi*tauz*]	360
Priſcillian [Priſci*tpa*]	371
Pelagius [Pelagió*zu*]	405

WRITERS againſt Chriſtianity.

	An. Dom.
Celsus [Cels*buz*]	150
Hierocles [Hieroclé*xe*]	202
Porphyry [Porph*epy*]	270
Zosimus [Zos*fel*]	425

The Memorial Lines.

Herm-paſt*aul* Cle-rom*aul* Ignab*za* Polycar*azei*.
Juſ-mar*boz* Iren*ſp* Tha*ſk* Athn*app* Cl-ex*ane* Tert*and*.
Mi-*fdex* Oretz Thaume*lf* Cypr*elk* Lactant*yt* & Arn*tyt*.

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Eu-pam*tal* Athat*es* Cyr-j*ilz* Hilar*ilf* Epiphan*iſk.*
Eph-ſyr-Baſ-Greg*otoix* Macar*ipt* Ambro*tpo* Jerom*toik.*
Evag*teix* Ruf*inx* Auſt*lins* Chryſo*touk* Cyr-alex*âbe.*

Phil-j*uſy* Joſeph*aup* Aqui*bek* Theodó*tapu* Symch*exb.*

Cerinth*eix* Papa*ax* Baſili*bbe* Valent*ady* Marc*box.*
Hermog*apy* Mont*âpe* Pau-ſam*daux* Nov*dua* Man*epp.*
Dona*ten* Eunomi*taux* Priſci*tpa* Pelagio*xu.*

Celſ*bux* Hierocl*éxe* ——— Porph*epy* Zoſ*ſel.*

TABLE XXVII.

Popes, Authors, Famous Men, &c.

	A. D.
LIBERIUS [Liber*tle*]	352
Zosimus [Zoso*ap*]	417
LEO mag. [Leo-m*off*]	444
GELASIUS Gelaſ*one*]	492
JOAN [Joan*hof*]	844
URBIN VI. } Anti- CLEMENT VII. } Popes.. [Urb-*s*-Cle-*p-atoip*]	1317
Leo X. [L-*az-blat*]	1513
GREGORY XIII. [Grego*bi-bupe*]	1572
Sixtus QUINTUS [S-quin-*aleil*]	1585
CLEMENT VIII. [Cle-*k-aloud*]	1592

	Bef. Chr.
SANCHONIATHON Sancha*bout*	1193
HERODOTUS [Herod*ofus*]	456
MANETHO [Manethe*ky*]	280
BEROSUS [Bero*dſou*]	269

	Bef. Chriſt.
HIPPARCHUS [Hippar*bſe*]	162

	A. D.
ONKELOS [Onkel*koi*]	87
TACITUS [Tacit*azei*]	108
AULUS GELLIUS [Gel*aad*]	112
PAUSANIAS [Pauſ*ato*]	134
GALEN [Gal*bot*]	143
Diogenes LAERTIUS [Laert*bop*]	147
PRUDENTIUS [Prud*inp*]	397
EUTROPIUS [Eutrop*ſek*]	428
MERLIN [Merl*opoi*]	477
HESYCHIUS [Heſch*foun*]	499
PROCOPIUS [Proco*lip*]	537

	Bef. Chr.
AGATHIAS [Agath*laup*]	567
GILDAS [Gild*uſp*]	567
BEDE [Bed*ſaus*]	666

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	Bef. Chriſt.		Bef. Chriſt.
Zonaras [Zonara*bbak*]	1118	Tycho Brahe [Tych*blos*]	1546
Gratian [Grata*bla*]	1151	Galilæo [Gali*lasfe*]	1642
Balſamon Bal*aboub*]	1191	Erasmus obit [Eraſm*uts*]	1536
Petrus Lombard [Lom*balk*]	1158	RObert Stephens ob. [Ro-ſt*lun*]	1559
Thomas Aquinas [Thom-aqu*adſi*]	1263	Turnebus [Turn*laul*]	1565
Petrarch [Petra*ttu*]	1335	Henry Stephens ob. [Hen-ſte*lſi*]	1563
Ptol. Geograph [Ptol-gëogr*afz*]	140	Thuanus Hiſtoricus [Thuan*ſap*]	1617
Copernicus [Copérnic*afoit*]	1473		

The Memorial Lines.

Liber*tle* Zoſo*ap* Leo-m*off* Gelaſ*one* Joan*kof.*
Urb-*s*-Cle-*p*-*atoip* L-*az*-*blat* Squin-*aleil* Cle-*k*-*aloud*
Greg*obi*-*bupe.*
Sanch*about* Herodo*fus* Manethe*ky* Hipparb*ſe* Bero*dſon.*
Onkel*koi* Gel*aad* Tacita*xei* Pauſ*ato* Gal*bot.*
Laert*bop* Prud*inp* Eutrop*fek* Merl*opoi* Heſch*foun.*
Proco*lip* Agath*laup* Gild*uſp* Bed*ſaus* Zonora*bbak.*
Grata*bla* Bala*boub* Lom*balk* Thom-aqua*dſi* Petra*ttu.*
Ptol-gëogr*afz* Tych*blos* Copernic*afoit* Galil*aſe.*
Eraſm*uts* Ro-ſt*lun* Turn*laul* Hen-ſte*lſi* Thuan*ſap.*

The Time when any Author or Famous Man flouriſhed may alſo be known in general, as follows:

	Flouriſhed under
Vitruvius	Julius Cæſar
Dionyſius Halicarnaſſenſis	Auguſtus
Strabo	Tiberius
Silius Italicus	Nero
Quintus Curtius	Veſpaſian
Plutarch, Appian	Trajan

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	Flouriſhed under
Arrian	Antoninus P-ius
Ulpian	Severus
Prosper, Orosius, Jornandes	Theodoſius junior
	Juſtinian

The Memorial Lines.

Vitruv-jul Halic-aug Strab-tib Sil-Ital-nero Curt-veſp Plut-Appi-tra Arri-anp Ulp-ſev Pros-Orós-theo Jorn-juſt.

Table XXVIII.

The Founders of the Kingdoms of Europe.

			An. Dom.
The Firſt	Biſhop of *Rome*	St. Peter [Pe*ſt*]	43
	Pope	Hyginus Hyg*alo*]	154
	Imperii Orientis	Galerius [Ori-gal*tyt*]	303
	Emperor of Conſtantinople	Arcadius [Conſt-arc*toul*]	395
	Turkiſh Emperor	Ottoman [Turk-otto*madnoi*]	1297
	Emperor of the Romans	Julius Cæſar before Chr. [Rom-ju*ſt*]	46
	King of Italy in the Empire	Odoacer [Ital-od*ops*]	476
	Emperor of Germany	Charlemagne [Ger-charlm*eig*]	800
	King of France	Pharamond [Fran-pharam*ody*]	420
	King of Spain	Athaulphus [Sp-ath*faz*]	410
	King of Portugal	Alphonſus [Port-al*abin*]	1139
	King of Scotland	Fergusius before Chriſt [Scot-ferg*tid*]	332
	King of England	Egbert [Eng*kek*]	828
	King of Poland	Boleſlaus [Pol-bol*ath*]	1000

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			An. Dom.
The 11	King of Denmark	Olaus [Den-ola*kzou*]	809
	King of Sweden	Bero [Swe-b*kib*]	831

The Memorial Lines.

Pe*st* Hyg*alo* Ori-gal*tyt* Const-arc*toul* Turk-ottom*adnoi*.
Rom-ju*fs* Ital-ód*ops* Ger-charlme*ig* Fran-pharam*ódy*.
Sp-ath*faz* Port-al*abin* Scot-ferg*tid* Pol-bol*ath* Eng*kek*.
Den-ola*kzou* Swe-b*kib*. ———

Table XXIX.

The Times of the Writing of the Canonical Books of the New Testament.

	A. D.		A. D
1 Thesſal. [Theſ-*le-t*] 2 Theſſal.	52 53	Titus [Ti-tim*ſu*] 1 Timothy	65.
1 Peter [Pe*lf*]	54	2 Peter [Sec-pe-tim*aup*] 2 Timothy	67
Galatians 1 and 2 COrinthians Romans [Gá-co-r*up*]	57	Jude [Jud*pa*]	71
Philippians Colloſſians E-pheſians Philemon [Phi-col-E-ph-ja*ſe*]	62	Revelations [Rev*nau*]	96
James		JOhn Goſpel and Epiſtles [Jo*np*]	97
Hebrews [Heb*ſi*]	63	Matthew [Mo*b* or Mat*fa*]	41
		Mark [Mar*ot*]	43
		L-uke [*Laub*]	61
		Acts [Ac*ſt*]	63

The Memorial Lines.

Thes-*le-t* Pe*lf* Gá-co-r*up* Phi-col-E-ph-ja*ſe* Heb*ſi* Ti-tim*ſu*.
Sec-pe-tim*aup* Jud*pa* Rev*nau* Jo*np* M*ób* Mar*ot* Ac*ſt* L*aub*.

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TABLE XXX.

The Provincial and Legatine Conſtitutions, according to the Order in which they were made.

Conſtitutiones.	*Editæ* A. D.
STEPHANI [Steph*ede*]	1222
RICARDI [Ricard*iæ*]	1230
EDMUNDI [Edmund*is*]	1236
OTHONIS Card. Legati [Oth*dip*]	1237
BONIFACII [Bone*ſa*]	1261
OTHOBONI Card. Leg. [Othob*dauk*]	1268
J. PECCHAM apud READING [Pecread*doin*]	1279
Ejuſdem, apud LAMBETH [Peclambe*ka*]	1281
R. WINCHELSEY [Winch*tyl*]	1305
WALTER [Wal*ted*]	1322
Si. MEPHAM [Meph*tek*]	1328
J. STRATFORD [Stratfo*tod*]	1342
S. ISLEPE [Iſlep*taud*]	1362
S. LANGHAM [Langhi*ſp*]	1367
S. SUDBURY [Sudbu*toik*]	1378
T. ARUNDEL [Arun*fyk*]	1408
H. CHICHLEY [Chich*fal*]	1415

The Memorial Lines.

Steph*ede* Ricard*iæ* Edmund*is* Oth*dip* Othob*dauk*.
Bone*ſa* Pec-read*doin* Winch*tyl* Pec-lambe*ka* Wal*ted*.
Stratfo*tod* Iſlep*taud* Si-meph*tek* Chich*fal* Arun*fyk*.
Sudbu*toik* & Langhi*ſp*. ———

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GEOGRAPHICA.

SECTION III.

The Application of this Art to Geography.

IN the firſt Place are laid down the general Diviſions of *Europe*, *Aſia*, *Africa*, and *America*; then the particular Diviſions of the ſeveral Kingdoms of *Europe*, into their reſpective Governments or Provinces. For every Diviſion there is one *Technical* Line, compoſed of the firſt Syllables (or ſometimes only of the firſt Letters) of the Parts or Places into which it is ſubdivided; which Syllables or Letters are diſtinguiſhed from the reſt, in the Tables, by ſmall Capitals, or an *Hyphen* following.

It is further to be obſerved, that the Beginning, Middle, and Ending of the Line anſwer, in Order, to the *Northern*, *Middle*, and *Southern* Diviſions of the Kingdoms or Countries; ſo that not only the Places themſelves, but in ſome Meaſure their Situation with Reſpect to each other, may be remembered at the ſame Time. Thus, in the *Memorial Line* for *France*, Fra=P Nor-I-cham; Bret-O-BuL; Guí-La-DaP.

P Nor-I-cham denotes the four *Northern* Governments, *viz.* P-icardy. Normandy, I-ſle of *France*, and Champagne.

Bret-O-BuL denotes the four *Middle* Governments, *viz.* Bretagne, O-rleanois, Bourgogne, and L-ionnois.

Guí-La-DaP denotes the four *Southern* Governments, *viz.* Guienne with Gaſcony, Languedock, Dauphiny and P-rovence.

It will be yet ſome further Help to remember the Situation of Places, to obſerve, that in the ſeveral

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Diviſions I begin at the *Weſt*, and go on *Eaſtward*, as far as the Limits of the Country will allow, in a ſtraight Line, unleſs where the Irregularity of the Poſition makes this Method inconvenient or impracticable: Where that is the Caſe, the Reader will ſupply the Defect by his own Obſervation, and by comparing with proper Maps.

Obſerve further, that where the Syllables are connected with an *Hyphen*, the Countries denoted by them are contiguous from Weſt to Eaſt; thus,

Nor-I-cham ſhews that the *Iſle* of *France* joins to *Normandy* on the Eaſt, and *Champagne* to the *Iſle* of *France* on the Eaſt. Where the Syllables or Letters denoting two or more Countries are joined together without an *Hyphen*, there the Countries are contiguous from North to South. Thus, Guí-La-DaP ſhews that *Languedock* joins to *Guienne* on the Eaſt, *Dauphiny* and *Provence* to *Languedock* on the Eaſt; and alſo that *Provence* is contiguous to, and South of *Dauphiny*. Such Syllables as have an *Hyphen* preceding, but are not by it immediately joined to the foregoing Syllable, ſignify that the Countries denoted by them lie Eaſtward, but are not contiguous. Thus Sp-It-Turk ſhews that *Italy* is Eaſt of *Spain*, and *Turkey* Eaſt of *Italy*, but not contiguous.

When the Reader is become well acquainted with the *General Diviſions*, he may then go on to charge his Memory with the chief Cities, and moſt remarkable Places of every Country; their Longitude and Latitude; the Correſpondence of ancient and preſent Geography; the Geography of the Old and New Teſtament; the Proportions of the Kingdoms of *Europe* to *Great Britain*; the Situation of the moſt noted Iſlands; with other inſtructive and entertaining Particulars in Geography: All which he will find himſelf able to remember with greater Eaſe than he can poſſibly imagine, till he is acquainted with the *Memorial Lines* contrived for that Purpoſe.

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TABLE I.

The General Divisions of EUROPE, ASIA, AFRICA, *and* AMERICA.

I. EUROPE is divided into,

1. *Northern;* Containing NOrway, S-weden, RUssia; D-enmark:

2. *Middle;* Containing NEtherlands, GErmany, POland, Little T-artary; FRANCE, SWITZERLAND, HUNGARY, TRANSILVANIA, MOldavia, WALACHIA.

3. *Southern;* Containing SPAIN with *Portugal*, ITALY, TURKEY.

Eur=No-S-Rū D; Né-Gē-Pō-L T, Fran-Switz-Hūn-Trān-Mō-Wā; Sp+It+Turk.

II. ASIA is divided into,

1. *Northern;* Containing Great TArtary, GEORGIA.

2. *Middle;* Containing TURKEY in *Asia*; PERSIA, Empire of the MOgul, CHINA.

3. *Southern;* Containing ARABIA, East INDIES.

As=Ta-Gēo; Tur-Pé-Mō-Chīn; Arab+Ind.———

III. AFRICA is divided into,

1. *Northern;* Containing BArbary, BILdulgerid, E-gypt.

2. *Middle;* Containing ZAara, NEgroland, GUINEA, N-ubia,

3. *Southern;* Containing CONGO, ABISSINIA, Coast of ABEX, Coast of CAFRARIA, MONOMOTOPA, ZANGUEBAR, Coast of AJAN.

AF=BáBil-E; ZáNĕGŭĭ-N; Con-Ābíss-Ābe-Cāf-Mōno-Zāngù-Āj.

IV. AMERICA is divided into,

1. *N-orthern;* Containing New WALES, New

Britain, Louisiana, Canada, Mexico, Florida, Carolina, Virginia, Maryland, P-ensilvania, New York, New J-ersey, New England, lying from South-West to North-East.

2. *S-outhern;* Containing Terra Firma, Peru, Country of the Amazons, Brasil, Chili, Paraguay, Terra Magellanica.

N-AM=Wal-Brit Loui-Can Mex-Flor Car-Vi-Ma P-YorJ Eng. Guyana, Patagonia.
——S-AM = Firm Per-Amaz-Bra, Chi-Par Mag.

Table II.

The particular Divisions of Northern EUROPE.

I. *NORWAY* is divided into five Parts or Governments, *viz.*

Wardhuys (containing F-inmark and Norwegian Lapland,) Drontheim, Bergen, Anslo.

II. *SWEDEN* is divided into four general Parts, *viz.*

Swedish Lapland with B-othnia intermingled, Sweden proper, Finland, GOthland.

III. *DENMARK* contains

The Peninsula of Jutland, Zealand, and the lesser Isles.

IV. *RUSSIA* contains many Provinces; the most considerable of which are,

Northern; Lapland, Dwina or Archangel.

Middle; Finland, Esthonia, Livonia, Ingria, Novgorod, Moscow.

Western; Lithuania, Polotsk, Mohilev, Ukraine, Belgorod.

Southern; Budziak Tartary, Crim Tartary or Taurida, Voronez, Don Kozacks.

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The Memorial Lines.

NOR=Ward (F-Lăp) DrŏBĕrĂns. SWED=Lă (B) SwepFIn Gŏ.
DEN = Jut-Zea.
RUSS = Lap-Dwĭ; FinĔstLĭv, Nŏv-Mŏs; Lith-Pŏl-Mŏ-Ŭkr-Bĕl; Bud-Crĭm-Vŏl-Dŏn.

TABLE III.

The particular Divisions of Middle EUROPE.

I. The *NETHERLANDS*, or *Low-Countries*, heretofore were generally distinguished into the *United* or *Dutch Netherlands* lying to the North, frequently called *Holland*, and the former *Spanish Netherlands* to the *South*, often called *Flanders*, from the most remarkable Province in each.

The *United Netherlands* are usually divided into these Seven Provinces, viz. FRISELAND, GRONINGEN, OVERYSSEL, H-OLLAND, U-TRECHT, GUELDERLAND with ZUTPHEN, Z-EALAND.

The *Spanish Netherlands* were usually divided into these Ten Provinces, viz. FLANDERS, B-RABANT, MARQUISATE of the Empire within *Brabant*, Seignory of MALINES within *Brabant*, Part of G-UELDERLAND, LIMBURG, ARTOIS, HAINAULT, NAMUR, LUXEMBURG.

HOLL=Fris-GrŎV H-Ū-Gŭe-Zū Z; Fla-B (Mar-Ma), GLim Art-Hāi-Nā-LūXem.

II. *GERMANY* is divided into Nine Circles:

Three *Northern*; Circle of WESTPHALIA, Circle of *lower* SAXONY, Circle of *upper* Saxony.

Three *Middle*; Circle of *lower* RHINE, Circle of *upper* Rhine, Circle of FRANCONIA.*

Three *Southern*; Circle of SUABIA, Circle of BAVARIA, Circle of AUSTRIA.†

To which may be added [illegible]

* To which add Burgundy.
† A monarchy, also more.

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MIA, distinguished into four general Parts, viz. Lu-Satia, Silesia, BOhemia proper, Moravia.

GERM = We-Sal-up; Rhil-u-Fran; Sua-Bav-Aus.

BOHE = Lusa-Si Bo-Mor.

III. *POLAND* was divided into two general Parts; the Duchy of *Lithuania*, and the Kingdom of *Poland* properly so called.

Lithuania contained the Duchy of Courland, Samogitia, Lithuania proper.

The Kingdom of *Poland* contained Prussia, Polachia, Mazovia, Poland *magna*, Poland *parva*, little Russia, Volhinia, Podolia.

POL = CouSa-Lith, Pru-Polach, Maz, Pol*mapa* Rus-VolhiPodol.

IV. *FRANCE* was divided into Twelve Governments:

Four *Northern*; P-icardy, Normandy, I-sle of *France*, Champagne.

Four *Middle*; Bretagne, O-rleannois, Bourgogne, L-ionnois.

Four *Southern*; Guienne with Gascony, Languedoc, Dauphiny, P-rovence.

To which may be added, the other Countries comprehended within the Compass of *Old Gaul*, viz.

Lorrain, East of *Ch*ampagne.

Savoy, East of *Bu*rgundy and *Da*uphiny.

Switzerland, East of Franche *C*-ompte.

Franché COmpté, East of *B*-urgundy.

FRA = P Nor-I-Cham; Brét-O-Boü L; Gui-La-DaP. Lor*Ch*, Sav*BuDa*, Swi*C*, Co*B*.

TABLE IV.

The particular Divisions of Southern EUROPE.

I. *SPAIN* (excluding *Portugal*) may be divided into two general Parts:

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Northern; Containing Eight Provinces, viz Gallicia, A-ſturia, Biscay, N-avarre, Aragon, Catalonia, Leon, Old Castile.

Southern; Containing Five Provinces, viz. New Castile, Valencia, Andaluſia, Murcia, G-ranada.

SPA=Gál-Ā-Biſc-N-Ārā-Cāt, Lē-Cāsvet; Casno-Vāl, And-MūrG.

II. *ITALY* might formerly be diſtinguiſhed into

Northern, or Lombardy; Containing Piedmont, Montserrat, Milan, G-enoa, Venice, Mantua, Parma, Mirandola, Modena.

Southern; Lucca, Tuſcany, the Papacy or States of the Church, Naples.

IT=Lom (=Pi-Mōnt-MīlG, VenManPa-MīMŏd) Lu-Tū Păp-Nāp.

III. *TURKEY* in *EUROPE* may be diſtinguiſhed into

Northern; Containing Bessarabia, Croatia, D-almatia, BOſnia, Servia, Bulgaria.

Southern; Containing Albania, Macedonia, Romania, Chimæra, Janna, Livadia, Morea.

TURK=Beſs, CrŏD, Bŏ-Sē-Būl; Alb-Māc-Rōm, SCān-Jā LīvadMŏr.

The Memorial Lines for all Europe.

NOR=Ward (F-Lāp) DrŏBĕrĂy B. SWED=Lá (B) Swep-FIn Gŏ.

DEN=Jut-Zea.

RUSS=Lap-Dwī; FinĔſtLīv; Ĭng-Nōv-Mōs; Lith-Pōl-Mō-Ūkr-Bel; Bud-Crīm-Vēr-Dōn.

HOLL=Fris-GrŬv H-Ū-Gūe-Zū Z; Fla-B (Mar-Ma) GLim Art-Hā-Nā-Lūxem.

GERM=We-Sāl-ūp; Rhīl-ū-Frān; Sua-Bāv-Aüs.

BOHE=Luſa-Sī Bŏ-Mōr.

POL=CouSā-Lith; Pru-Pòlach Măz; Polmapa-Rus-VōlhiPŏdol.

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FRA = P Nor-Ī-Chām ; Brét-Ō-Boŭ L ; Guí-Lā-DāP. Lor*Ch*, Sav*Bu*Da, Swi*C*, Co*B*.

SPA = Gál-Ā-Bīſc-Nā-Ara-Cāt, Lē-Cās*vet*, Cas*no*-Vāl And-MūrG.

IT = Lom (= Pi-Mont-MīlG, VenManPa-MīMód) Lu-Tū Păp-Năp.

TURK = Beſs CrōD-Bō-Sē-Būl ; Alb-Māc-Rōm, Chim-Jā LivadMŏr.

TABLE V.

ENGLAND, WALES, IRELAND, SCOTLAND.

I. *ENGLAND* may be divided into three general Parts, *Northern, Middle,* and *Southern*; which all together contain 40 Counties or Shires.

The *Northern* Part of *ENGLAND* contains 6 Counties or Shires.

On the *Weſt* Coaſt from *North* to *South*.	On the *Eaſt* Coaſt from *North* to *South*.
Cumberland	Northumberland
Weſtmorland	Durham
Lancaſhire	Yorkſhire
[Cum-WeLa]	[NorDŭrYŏr]

The *Middle* Part of *ENGLAND* contains 24 Counties or Shires.

On the *Weſt* joining to *Wales* from N. to S.	On the *Eaſt* Coaſt from *North* to *South*.
Cheſhire, Shropſhire	Lincolnſhire
Herefordſhire	N-orfolk, S-uffolk
Monmouthſhire	Eſſex
[CheShHeMon	[Li NSĔſs]

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Between *Lincoln-shire* E. and *Cheſh.* and *Shropſh.* W.	Between *Norfolk* and *Suffolk* E. and *Herefordſhire* W.	Between *Eſſex* E. and *Monmouth-ſhire* W.
Derbyſhire NOtting-hamſhire } N.	Worceſterſhire Warwickſhire NOrthamptonſh.	Glouceſterſhire O-xfordſhire Buckinghamſh.
Staffordſhire Leiceſterſhire R-utlandſhire	B-edfordſhire Huntingdonſhire C-ambridgeſhire	Hertfordſhire M-iddleſex
[De-Nō Staf-Lei-R]	[Wor-Wā-Nō-B-Hūn-C]	[Gl-Ō-Būc-HērM]

The *Southern* Part of *ENGLAND* contains 10 Counties or Shires.

Between the *Channel* and the *Severn* Sea.	Between the *Channel* and the *Thames*.
Cornwall Devonſhire SOmerſetſhire DOrſetſhire	Wiltſhire Berkſhire Hampſhire Surrey S-uſſex Kent
[Corn-Dēv-SōDō]	Wilt-BērHā-SūrS-Kēn]

The Memorial Lines.

Cum-WeLā, NorDūrYŏr; CheShHeMon, Li NSEſs; De-Nō Staf-Lei-R,
Wor-Wā-Nō-B-Hūn-C, Gl-Ō-Būc-HērM, Corn-Dēv-SōDō, Wilt-BērHā-SūrS-Kēn.

The Diviſion of England *according to the Circuits.*

Weſtern.	*Oxford.*
Cor-dé-dor-ham Som-wilt.	Bar-O-gloúce-mon wórceſt-here-ſhop-ſtaff.
Home.	*Midland.*
Hert-éſs-ken-ſur-ſus.	North-rut-linc Derby-no-leice-war.

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Norfolk.	*Northern.*
Nórf-ſu-cam Hun-béd-buck.	Yor-dur-nor lánca-we-cumber.

II. *WALES* is divided into Two general Parts:

North Wales; Containing ANGLESEY, CAERNARVONſhire, DENBIGHſhire, FLINTſhire, MERIONETHſhire, MONTGOMERYſhire.

South Wales; Containing CARDIGANſhire, RADNORſhire, PEMBROKEſhire, Carmarthenſhire, BRECKNOCKſhire, GLAMORGANſhire.

W = Ang-Cā-Dē-Fl̄-*ch.*, Meri-Mōnt-*ſh*; Card-Rādn-*here*, Pem-Cā-BrēGlām-*mon.*

N. B. The *Italick* Letters denote the adjoining Counties of *England*; as *ch. Cheſhire*, adjoining to *Flintſhire*; mont-*ſh*, *ſh. Shropſhire*, adjoining to *Montgomeryſhire*, &c.

III. *SCOTLAND* is divided into Two general Parts:

North Scotland, or *Highlands*, beyond the River *Tay*, containing 13 Counties; among which are STRATHnavern, CAITHNEſs, SUTHerland, Ross, LOCHabar, MURray, BRAIdalbin, P-erth.

South Scotland, on this Side the *Tay*, containing 20 Counties; ſome of which are ARGYle, Fife, LOthian, AIRE, GALloway.

SCOT = Strath-Caith SúthRōs; Loch + Mur; BraiP; Arg + Fi Lo-Air Gal.

IV. *IRELAND* is divided into Four larger Parts or Provinces.

ULSTer to the *North*	LEINſter to the *Eaſt*
MUNSTer to the *South*	CONNAUGHT to the *Weſt.*

IREL = Ulſt Lein Con Munſt

Irel = Ulſt Con - Lein Munſt

TABLE VI.

Chief Cities and Remarkable Places.

In FRANCE.

Amiens ch. T. in *Picardy*	Bourdeaux in *Guienne*
Paris in the *Isle* of France	Thoulouse in *Languedoc*
Rouen in *Normandy*	Greenoble in *Dauphiny*
Troyes, Rheims } in *Champagne*	Dijon in *Burgundy*
Rennes in *Bretagne*	Aix, Marseilles, Orange } in *Provence.*
Poictiers in *Orleannois*	

The Memorial Lines.

Am*pica* Pi*sle* Rou*nor* Troy-rhei*cham* Rén*breta* Poi*ctorl.*
Bourd*gui* Tho*la* Gree*dau* Dijón*burg* Aix-mar & Or-*prov.*

In the NETHERLANDS.

Middleburg in *Zealand*	Dunkirk, Douay, Mons } in *Flanders*
Deventer in *Overyssel*	Cambray } in *Hanault*
Leuwarden in *Friesland*	Loo in *Gelderland*
Brusfels in *Brabant*	Antwerp in *Brabant*
Bruges in *Flanders*	
Charleroy in *Namur*	

Mid*zea* Dev*óveryss* Leuwár*fries* Brús*braba* Brug*flan.*
Charl*nam* Dunk-dóua*fland* Mon-camb*han* Loo*gel* & Ant*brab.*

In GERMANY.

Hamburg, Hanover, Wittemburg } Ch. Town in low. *Saxony* in Upper *Saxony*	Francfort in Up. *Rhine*
Heidelburg, Cologne } in the Circ. of lo *Rhine*	Nuremburg } in *Franconia*
Munich in *Bavaria*	Munster in *Westphalia*
Augsburg in *Swabia*	Strasbourg in Up. *Rhine*
	Cleves in *Westphalia*
	Vienna in *Austria*

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Hamb-hano*ſal* Witſup Hei-col*rhi*lo Mun*bavar* Aug-*ſwab.*
Franc*rh*up Nur*F* Muns-*weſt* Stras*rh*up Clev-*weſtpha* Vienn*Auſtr.*

In SPAIN.

BILBOA in *Biſcay*
COMPOSTELLA in *Gallicia*
SEVILLE in *Andaluſia*
BARCELONA in *Catalonia*
OVIEDO in *Aſturia*
PAMPELUNA in *Navarre*
SARAGOSSA in *Arragon*
BURGOS in *Caſtile vetus*
MADRID in *Caſtile nova*
TORTOSA in *Catalonia*

Bil*bis* Compoſ*gal* Sev*andal* Bar*catal* Ov*aſt.*
Pampel*nav* Sarag*ar* Bur*caſ-vet* Mad-*ca-no* Tort*cat.*

In TURKEY in Europe.

SOPHIA, chief Town in *Bulgaria*
BELGRADE in *Servia*
SERAIO in *Boſnia*
SPALATRO in *Dalmatia*
SALONICHI in *Macedonia*
CARLSTAT in *Croatia*
TERGOVISK in *Walachia*
HERMANSTADT in *Tranſylvania*
CHOCZIM in *Moldavia*
CONSTANTINOPLE in *Romania*

Soph*bul* Bel*ſervi* Serai*bos* Spal*da* Salon*mac.*
Carls*cro* Tergó*walach* Herm*tranſyl* Choc*mo* Conſt*rom.*

TABLE VII.

Remarkable Places, ſparſim, *in* Europe.

FONTARABIA in *Biſcay*
RATISBON in *Bavaria*
PADUA in *Venice*
NIMEGUEN in *Guelderland*
OLIVA in *Pruſſia*
CONSTANCE in *Swabia*
AIX LA CHAPELLE in *Weſtphalia*
MONTPELIER in *Languedoc*
CASSEL incir. of UP. *Rhine*
ARCHANGEL in *Dwina*
HOCHSTET in BLENHEIM in *Bavaria*
ST. OMERS in *Artois*
VERDEN in BREMEN in *lo. Saxony*
MAGDEBURG in *lo. Saxony*
CALAIS in *Picardy*
BADEN in *Swabia*

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BENEVENTO in *Naples*
BREDA in *Brabant*
CADIZ in *Andalusia*
AGINCOURT in *Artois*
MITTAW in *Courland*
MALAGA in *Granada*
TRIERS in cir. of *lo. Rhine*
MAESTRICH in *Limburg*
HAVERDEGRACE } in *Normandy*
VALEDOLID in Old Castile
TOLEDO in *New* Castile
MEAUX in *Champagne*
SOISSONS in *Isle* of France
AVIGNON in *Provence*
NASSAW in c. of *up. Rhine*
CITIDELLA in *Minorca*
CAGLIARI in *Sardinia*
PALERMO in *Sicily*
SLESWICK in *Jutland*
BASTIA in *Corsica*
CRACOW in *Poland parva*
WARSAW in *Mazovia*
BERGEN in *Norway*
COPENHAGEN in *Zealand*
NISMES in *Languedoc*
CHRISTIANA in *Aggerhuys*
TURIN in *Piedmont*
RIGA in *Livonia*
ROCHELLE in *Orleannois*
GOttenburg in *Gothland*
LUNDEN in *Sconen*
CRESSY in *Picardy*
SALAMANCA in *Leon*
ZELL in LOWER *Saxony*
CHAMBERRY in *Savoy*
DANTZICK in *Prussia*
STOCKHOLM } in *Sweden prop*
PRESBURG in *up. Hungary*
CORDOVA in *Andalusia*
CARTHAGENA in *Murcia*
BESANÇON } in *Franche Comte*
LIEGE in *Westphalia*
CREMONA in *Milan*
BATCHISERAI } in the *Peninsula* of little *Tartary*
NANCY in *Lorrain*
LEGHORN } in *Tuscany*
FLORENCE }
GENEVA in *Switzerland*
LISBON in *P-ortugal*
RAGUSA in *Dalmatia*
BRESLAW in *Silesia*
PRAGUE in *Bohemia*
STETIN in *Pomerania*
PERPIGNAN in *Rousillon*
TRENT in *Tyrol*
STRASBURG in *Alsace*
POLA in *Istria*
POSEGA
PETERWARADIN } in *Sclavonia*
BERLIN in *Brandenburg*
DRESDEN } in *Saxony*
LEIPSICK }
RAVENNA in *Romagna*
LORETTO in *Ancona*

ROUSILLON } part of *Catalonia*
SCLAVONIA of *Hungary*
TYROL of *Austria*
POMERANIA
BRANDENBURG } of UP. *S-axony*
SAXONY
ISTRIA } part of the Rep. of *Venice*

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ANcona, Romagna } part of the *Papacy* or States of the Church
LImoſin part of *Guienne*
BERRY, ANJOU } of *Orleannois*
HOLSTEIN } part of LO. *Saxony*
CAPITANATE part of *Naples*

The Memorial Lines.

Fontára*biſc* Rati*bav* Pad*ven* Nim*gélder* Oliv*prus*.
Conſt*ſwab* Aix-la-cha*weſt* Montpel*lang* Caſs*rhup* & Arch*dwin*.
Hoc-blenhe*bav* Omer*art* Verdbrem*ſa-lo* Magd*ſa-lo* Cal*pic*.
Bad*ſwab* Benven*nap* Bred*brab* Cad*andal* Agin*cart*.
Mit*courland* Mala*gran* Trier*hi-l* Maeſt*limbur* Haverd*norm*.
ValedoloC TolnewC Meaux*cham* Soiſſi*ſle* & Avig*prov*.
Naſſ*rh-up* Citidel*min* Cag*ſard* Paler*ſici* Sles*jut*.
Baſt*corſic* Craco*polp* Wars*nazov* Berge*no* Cop*zeel*.
Niſm*langued* Chriſt*agg* Turín*pied* Riga*li* Roch*orl*.
GoG Lund*ſcon* Creſſ*pic* Salaman*cle* Zell*ſalo* Cham*ſav*.
Dantzíc*pru* Stock*ſwep* Prés-up*hung* Cord*andalu* Cart*mur*.
Bes*fran-com* Liege-*weſt* Crem*mil* Bat*tarta-pe* Nan*lor*.
Leg-Flor*tuſc* Gen*ſwitz* LísP Rag*dal* Bres*ſile* Prag*bo*.
Stet*pomeran* Per*prous* Tren*tyr* Straſb*alſa* Poli*ſtri*.
Poſ-wara*ſclav* Berl*bran* Dres-Leip*ſax* Rav*ro* Loret*tanc*.
Rous*catalon* Sclav*hung* Tyrol*auſt* Pom-brand-ſaSup Iſt*ven*.
Anc-Rom*pap* Limo*guienn* Berr-Anj*orl* Holſt*ſalo* Cap*nap*.

TABLE VIII.

Chief Cities and remarkable Places, ſparſim, *in* Aſia, Africa, *and* America.

PEKIN ch. City in *China*
AGRA in *India*
CHAMBALU in *Tartary*
ISPAHAN in *Perſia*
ALEPPO ch. City in *Syria*
CAIRO in *Egypt*

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Fez in *Barb*ary
Daara in *Bildul*gerid
Tombute in *Neg*roland
Monomotopa } in *Æthi*opia *superior*
Dangola in *Nubi*a
Chaxumo } in *Æthi*opia *inferior*
S. Fe in *Gran*ada
S. Salvador in *Braz*il
S. Jago in *Chili*
Assumption in *Par*aguay
Quebec in *Canada*
Philadelphia } in *Pensil*vania
James Town in *Virgin*ia
Baltimore in *Mary*land

Portroyal { in *Nova Scotia*
Astrachan in *Tart*ary
Nicosia in *Cyp*rus
Mousul } in *Diar*bec
Bagdat }
Smyrna in *Nat*olia
Azov in *Circ*assia

Natolia } Parts of *Tur*key in Asia
Syria
Diarbec
Turcomania
Mingrelia of *Georg*ia
Caramania } of *Nato*lia largely taken
Amasia
Natolia prop.
Aladulia

The Memorial Lines.

Pek*chin* Agr*ind* Chamb*tart* Isp*pers* Alép*syri* Cair*E.*
Fez*barb* Daa*bildul* Tomb*neg* Monom*æth-supe* Dan*nub*
Chax*æth-inf* Fégr*an* Salv*bras* Jagó*chili* Assp*ar.*
Queb*canada* Phil*pens* Jam*virgin* Balt*mary* Port*no-sc.*
Astrac*tart* Nico*cyp* Mous-Bag*dia* Smyr*nat* Azov*circ.*

Nat-Syri-Di-Turc*tur* Ming*georg* Car-Amás-Nat Alád*nat.*

Table IX.

Latitude *and* Longitude *of the most remarkable Places.*

To the Beginning of the Name of the Place is added a *Technical* Ending, consisting of three or four Letters, the two first whereof denote the Latitude; the other the Longitude: Thus,

Stock*lou-ak*, i. e. Stockholm in the 59th Degree

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of Latitude, and 18 of Longitude; *lou* ſtanding for 59, according to the general Key, and *ak* for 18. But this is not the *exact* Longitude and Latitude of the Place, becauſe no Minutes are taken notice of, which would perhaps be a Nicety not worth remembering: But that the Latitude is between 59 and 60, and the Longitude between 18 and 19. * And it is farther to be obſerved, that if of the two Letters, which ſignify the Longitude and Latitude, the firſt is a *Conſonant*, as in *lou*; in that Caſe, though the Longitude, *&c.* is between 59 and 60, yet it is nearer to 60 than it is to 59, and conſequently 59 Degrees 30 Minutes at leaſt, if not more. If the firſt Letter is a *Vowel*, as in *ak*, though it is betwen 18 and 19, yet it is nearer to the *leſſer* Number, and conſequently 18 Degrees and *under* a half: as the true Longitude of *Stockholm* is 18 Deg. 22 Min. the true Latitude 59 Deg. 30 Min.

	Lat.	Lon.		Lat.	Lon.
†Bergen [Ber*ſſy-l*]	60	5	Conſtantinople [Con*ob-ta*]	41	31
Stockholm [Stock*lou-ak*]	59	18	Prague [Prag*ly-bo*]	50	14
Moscow [Mos*lu-tei*]	55	38	Dantzic [Dantz*uſ-bei*]	54	18
Copenhagen [Cop*lu-be*]	55	12	Basil [Baſil*ſoi-p*]	47	7
Paris [Par*ſk-e*]	48	2	Brusſels [Brus*ly-o*]	50	4
Cracow [Cra*cuz-ez*]	50	20	†Gibraltar [Gib*rau-s*]	36	6
Vienna [Vio*k-ap*]	48	17	†Smyrna [Sm*ik-dcu*]	38	29
Madrid [Ma*droy-t*]	40	3	Troy [Tr*oy-en*]	40	29
Rome [Rom*ſa-be*]	41	12			

* This Accuracy hath not been altogether obſerved in thoſe Places which have this Mark (†) placed before them: The aſſigning to them their reſpective Degrees of Longitude and Latitude being intended only to enable the Learner to remember in what Part of the Globe they lay.

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	Lat.	Lon.
† Jeruſalem [Jeru*ta-ts*]	31	36
Aleppo [Ale-*pi-ſ-tei*]	36	38
Rhodes [Rho*toi-te*]	37	32
† Babylon [Ba-*bit-fo*]	33	44
Athens [Ath*ik-el*]	38	25
Ida [Id*il-doi*]	35	27
Warsaw [War-*ſud-eb*]	52	22
Alexandria [Alex*ib-if*]	31	34
S. Helens [Hel-*bu-p*]	15	7
Lisbon [Lis*tei-bx*]	38	10
Naples [Na-*plob-bu*]	41	15
Meſſina [Meſ-*ſik-bau*]	38	16
† Carthage [Carth*ti-by*]	33	10
Nancy [Nan*ſei-s*]	48	6
† Ispahan [Iſp-*t e-on*]	32	49
Agra [Agr*ik-oit*]	28	73
Siam [Siam*af-ga*]	14	100
† Japan [Jap-*to-bay*]	34	110
† Formoſa [Form*di-g*]	23	100
† Astrachan [Aſtr*op-lau*]	47	56
Pekin [Pekin-*ox-bap*]	40	117

	Lat.	Lon.
†Fort S. George [Gëo*bi-ſou*]	13	69
† Spitſbergen [Spit*pi-ſou*]	73	69
Archangel [Arch*ſö-ſe*]	64	42
Bengal [Beng-*da-oul*]	21	95
Venice [Ven*ſt-ad*]	45	12
Cairo [Cai*dou-il*]	29	35
Leipsick [Leip-*sub-ad*]	51	12
† Hecla [Hec*ſt-at*]	65	13
† Nineveh [Nin*to-ſe*]	34	42
† Porto Bello [Bel*ba-ku*]	11	85
† Porto Rico [Ric*ez-lou*]	20	59
† Bermudas [Berm*ta-lou*]	31	59
† J-amaica [*Jak-ky*]	18	80
† Tercera ch. of the *Azores* I. [Terceri*p-el*]	37	25
† Madeira Iſl. [Mad*it-ed*]	33	22
† Barbadoes [Bar*bu-la*]	15	51
Ferro one of the *Canary* Iſl. [Ferr*ek-at*].	28	18
† Quebec [Quo*p-pu*]	47	75

N. B. The firſt Meridian is fixed at *London*.

It may be convenient to remember the *Exact* Longitude and Latitude of ſome particular Places; as,

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	Lat. deg. min.	Long. deg. min.
London [Lón*la,id*]	51 32	00 00
Ferro Iſl. [Ferr*ék ,u-bei ,dd*]	28 05	18 22
Oxford [Ox*la ,fs-b ,ap*]	51 46	01 17W
Rome [Róm*fa ,la-bé ,toi*]	41 51	12 37

The Memorial Lines.

Ber*ſy-l* Stock*lou-ak* Mos*lu-tei* Cop*lu-be* Par*ſk-e.*
Crac*uz-ez* Vi*ok-ap* Madr*oy-t* Rom*fá-be* Con*ob-ta.*
Prag*ly-bo* Dantz*uf-bei* Baſil*foi-p* Brus*ly-o* Gib*tau-s.*
Smi*k-dou* Tr*oy-en* Jeru*ta-ts* Alepi*ſ-tei* Rho*toi-te* Bab*it-fo.*
Athi*k-el* Idi*l-doi* War*ſud-eb* Alexi*b-if* Hel*bu-p.*
Lis*tei-bz* Napl*ob-bu* Meſ*ſik-bau* Carth*ti-by* Nan*fei-s.*
Iſp*te-on* Agr*ek-eit* Siam*af-ga* Jap*to-bay* Form*di-g*
Aſtr*op-lau* Pekino*z-bap* Geo*bi-ſou* Spit*pi-ſou* Arch*ſö-fe.*
Beng*da-oul* Ven*fl-ad* Cay*dou-il* Lips*ub-ad* Hec*ſt-at.*
Nin*to-ſe* Bel*ba-ku* Ricce*z-lou* Bérm*ta-lou* Jak*-ky.*
Tercer*ip-el* Mad*it-ed* Ferr*ek-ak* Bar*bu-la* Quo*p-pu.*

Lon*la ,id* Ferr*ék ,u-bei ,dd* Ox*la ,fs-b ,ap* Rom*fa ,la-bé ,toi.*

TABLE X.

Diſtance of Chief Cities, &c. *from* London, *in* Engliſh *Miles.*

To the Beginning of the Name of the Place there are two or three Letters added, which are to be ſupplied with a Cypher at the End; it being thought ſufficient to give a round Number, inſtead of being too exact, eſpecially in a Matter wherein the beſt Geographers themſelves are not agreed; as, [Madr*eis*] Madrid diſtant from *London* 86 *ſc.* 860 Miles. Copenhagen [Cop*ſa*] diſtant about 61, *ſc.* 610. Geneva [Gene*vos*] diſtant 46, *ſc.* 460 Miles; and ſo of the reſt, only Paris [Par*del*]

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Note. That the Computations are made at the Rate of 69½ Miles to a Degree, which is certainly neareſt the Truth, and are therefore about one part in ſeven more than in Mr. *Templeman*'s Tables, who computes by Geometrical Miles, or 60 to a Degree.

Diſtances from London.

	Eng. Miles.		Eng. Miles.
Paris [Par*del*]	225	Prague [Pr*aul*]	650
R-ome [R*oul*]	950	Gibraltar [Gibr*abs*]	1160
Madrid [Madr*eis*]	860	Warſaw [Warſ*nu*]	950
Vienna [Vien*ke*]	820	Stockholm [St*oup*]	970
Copenhagen [Cop*ſa*]	610	Dantzick [Dantzi*ky*]	800
Geneva [Geneva*s*]	460	Conſtantinople [Conſt*aſg*]	1600
Moſcow [Moſc*aſs*]	1660		

Diſtances from Jeruſalem.

Babylon [Bab*oky*]	480	Damaſcus [Dam-*buz*]	150
Nazareth [Naz*ky*]	80	Antioch [Ant*ig*]	300
Samaria [Sam*ol*]	45	From Dan to Beerſheba [Dan-a-béer*doz*]	240

The Memorial Lines.

Par*del* R*oul* Madr*eis* Vien*ke* Cop*ſa* Genev*os*.
Moſc*aſs* Pr*aul* Gibr*abs* Warſ*nu* St*oup* Dantz*iky* Conſt*aſg*.
Bab*oky* Naz*ky* Sam*ol* Dam*buz* Ant*ig* Dan-a-béer*doz*.

Table XI.

The Proportion of the Kingdoms of Europe *to* Great Britain, *being the Unit.*

Ruſſia [Ruſſ*iaz,bi*]	10 ,13	Poland [Pol*t,in*]	3 ,39
Germany Gert*,ut*	3 ,53	Turkey [Tur*t,ak*]	3 ,18
Sweden [Sw*i,ſs*]	3 ,66	Spain [Sp*a,ka*]	1 ,81
		France [Fr*a,p*]	1 ,7
		*Italy [It*b,an*]	1 ,19

* With *Sicily*, *Corſica*, and *Sardinia*.

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* Denmark [Denmba*b,on*]	1 ,49	United Provinces [Un-pr,*ab*]	,11
Portugal [Por,*ts*]	,36	Switzerland [Switzer,*boi*]	,17
Spaniſh Provinces [Span-pr,*ak*]	,18	Britain	1 ,00

The Memorial Lines.

Ruſſ*az,bi* Ger*t,ut* Swi*ſ,ſs* Pol*t,in* Fra*,p* Spa*,ka* Tur*t,ak.*
Por,*ts* Span-pr,*ak* Un-pr,*ab* Switzer,*boi* Dénma*b,on*
It*b,an.*

Explanation.

[Ger*t,ut*] *Germany* is to *Great Britain* as 3 ,53 to 1. *i. e.* three times as big, and a little above half as big. *United Provinces* [Un-pr,*ab*] as ,11 or very little above a tenth Part; and ſo of the reſt.

Note. That a Degree is eſteemed equal to 60 Geometrical Miles, 15 German Miles, 25 Common French Leagues, 480 *Greek* Stadia, 16 Perſian Paraſangs, 12 (or according to ſome 8) *Ægyptian* Schœni.

Deg = Geom*auz* = Ger*bu* = Fr*el* = Stad*oky* = Perſ-para*báu* = Sch*ad.*

Table XI.

Situation of Iſlands.

I. European Iſlands.

In the *Northern Ocean*	Iceland Weſt of *Nor*way Britain and Ireland.		[Ice*nor*]
In the *Baltick*	Zealand Funen	E. of *Jut*land	[Fun-Zeal*jut*]
In the *Mediterranean*	Minorca Majorca Y-vica	Eaſt of *Valencia*	[MiMajorc Y*valenci*]

* Including *Norway* and *Iceland.*

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In the *Mediterranean*:

- COrſica, SARDINIA } S. of *Genoua* [CoSard*gen*]
- SICILY — South of *Naples* [Sici*na*]
- CANDIA — S. of the *Archipelago* [Cand*archpel*]
- CORFU — Weſt of *Canina* [Corf*can*]
- CEPHALONIA W., ZANTE W., CERIGO S. } of the *Morea* { [Cepha zant- ce*mo*]
- NEGROPONT — Eaſt of *Livadia* [Neg*liv*]

The Memorial Lines.

Ic*enor* Fun-Zeal*jut* MiMajorcY*valenci* CoSard*gen*.
Sici*na* Cand*archpel* Corf*can* Cepha-zant-ce*mo* Neg*liv*.

II. ASIATICK Iſlands.

In the *Eaſtern Ocean*:

- JAPAN E. of *North China* [Jap*norCh*]
- FORMOSA E. of *South China* [Form*ó/ouChin*]
- PHILIPPINE Iſl. E. of the *Eaſtern Peninſula* } [Philip*EaſtPen*]
- LADRONE Iſl. E. of the *Philippine* [Lad*phi*]
- MOLUCCA Iſl. E. of the *Eaſtern P*-eninſula } [Moluc*PEaſt*]
- I. of the SOUND S. E. of the *Eaſt. P*-eninſula } [Sound*PEaſt*]
- MALDIVES S., CEYLON E. } of the *Weſtern P*-eninſula } [Mal-Céy-*Pweſt*]

In the *Mediterranean*:

- RHODES, CYPRUS } S. of *Natolia* [Rhod-Cyp*nato*]

In the *Archipelago*:

- STALIMENE, METELIN, SCIO, SAMOS } W. of *Natolia* N. to S. } [StalMeSci-Sám*nat*]

The Chief of the MOLUCCA Iſles are CELEBES or Macaſſar, GILOLO, CERAM, AMBOYNA.

The Chief of the PHILIPPINES are MANILLA and MINDANAO.

Iſles of the SOUND, the chief are SUMATRA, BORNEO, and JAVA.

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The Memorial Lines.

Jap*norCh* Formó*souChin* Philip*EastPen* Lad*phi* Moluc*PEast.*
Sound*PEast* Mal-Céy*Pwest* Rhod-Cyp*nato* StálMe SciSam*nat.*

MOL=Cele-GilCér-Amb PHIL=ManMind SOUND =Suma-BornJav.

III. AFRICAN Islands.

In the *Æthiopick Ocean*
- MADAGASCAR or the Isle of St. *Laurence*, E. of the South Part of *Zan*guebar [Madgasc*zang*]
- Zocotra, at the East End of the Coast of *Ajan* [Zoc*ajan*]
- St. HELENS West of *Congo* [Hel*Congo*]

In the *Atlantick Ocean*
- Isles of Cape VERD W. of *Ne*groland [Verd*ne*]
- CANARY Isles W. of *Bild*ulgerid [Canár*bild*]
- MADEIRA Isles W. of *Barb*ary [Madéir*barb*]
- AZore Isles W. of *Port*ugal [Az*port*]

In the *Mediterranean*
- MALTA S. of *Sic*ily [Malt*fic*]
- PHAROS at the Mouth of the Port to *Alexan*dria [Phar*alexan*]

The Chief of the CANARY Isles are FERRO, or HIERO, TENERIFFE, CANARY.

The Chief of the AZORES, TERCERA.

The Chief of the MADEIRA Isles, PORTO SANTO and MADEIRA.

The Memorial Lines.

Madgasc*zang* Zoc*ajan* Hel*Congo* Verd*ne* Canár*bild.*
Madéir*barb* Az*port* ——— Malt*fic* Phar*alexan.*

CAN=Ferro-TéneCan; Az=Terce; MADEIRA= PoSantMad.

IV. AMERICAN Islands.

NEWFOUNDLAND East of *Nova Scotia* [New*fnovScot*]
CALIFORNIA West of New *Gran*ada [Cali*gran*]

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CARIBbee Iſles Eaſt of the *Antilles* [Carib*ant*]
Lucayos Iſles Eaſt of *F*-lorida [Lu*F*]
BERMudas or Sommers' Iſles Eaſt of *Carolina* [Berm*car*]
ANTILLes Iſles South of *Lucay* Iſl. [Antill*luc*]

The Chief of the Lucayos Iſlands are BAhama, Lucayone, PRovidence.

The Chief of the CARIBbee Iſlands are BARBadoes and the Leeward Iſl. *viz.* St. CHRIſtophers, ANTIGua, Tobago, *&c.*

The Chief of the ANTILLes Iſlands are Cuba, JAMaica, HISpaniola, Porto RICo.

The Memorial Lines.

New*fnov Scot* Cali*gran* Carib*ant* Lu*F* Berm*car* Antíll*luc.*

Luc=Ba-lu-prov; Cari=Barb Chr-Antig; Antíll =CuJam-hiſp-ric.

TABLE XIII.

The moſt remarkable of the leſſer Britiſh *Iſles.*

ORKney, SHETland } *North* of *Scotland* [Ork-ſhet*no-ſc*]
HOLY Iſland Eaſt of *North*umberland [Holy*north*]
CANvey Iſl., SHEPpey Iſl., THANet Iſl. } near the Mouth of the *Thames* in *Eſſex* [Canv*eſs*] [Shep-than*ken*] *Kent*
ANGleſey Weſt of *Caern*arvonſhire [Ang*caern*]
MAN Weſt of *Lan*caſhire [Man*lan*]
RAMſey over-againſt St. *Davids* Point in *Pem*brokeſhire [Ram*davi-pem*]
Wight (VECtis) *S.* of *Hamp*ſhire [Vec*S-ham*]
GUERNſey, JERſey } on the *Coaſt* of *Nor*mandy [Guer-jer*co-nor*]
Weſtern Iſl. (EBudæ) *Weſt* of *Scotland* [Eb*we-ſc*]

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The Memorial Lines.

Ork-ſhet*no-ſc* Holy*north* Canve*ſs* Shep-than*ken* & Ang*caern*.

Man*lan* Ram*davi-pem* Vec*S-ham* Guer-jer*co-nor* Eb-*we-ſc*.

TABLE XIV.

Antient EUROPE, ASIA, *and* AFRICA.

I. Antient *EUROPE*, by Way of Accommodation to the preſent Diviſions of it, may be divided into,

1. *Northern*; Containing SCANDINAVIA, FENINGIA, Part of SARMATIA, CIMBRICA Cherſoneſus, CODANONIA Inſula.

2. *Middle*; Containing GERMANIA, the reſt of S-armatia, G-allia Tranſalpina or Celtogalatia, RHOETIA, V-indelicia, NOricum, Part of PANNONIA, D-acia.

3. *Southern*; Containing IBERIA, ITALIA, the reſt of P-annonia, ILLYRICUM, MOESIA, G-ræcia, THRACIA.

EUR = Scâ-Fe Sarm Cimb-Cod; Ger-S G-Rhœ-V-No-Pa-D; Ib-Ita-PIll-MœG-Th.

II. *ASIA Antiqua* may be divided into,

1. *Northern*; Containing SCYTHIA Aſiatica, SOGDIANA; COLCHIS, IBERIA, ALBANIA.

2. *Middle*; Containing Asia *M*-inor, ARMENIA; SYRIA, MESOPOTAMIA, ASSYRIA, MEDIA, HYRCANIA, BACTRIANA, ARACHOSIA; BABYLONIA, SUSIANA, PARTHIA, ARIA, DRANGIANA; PERSIS, CARAMANIA, GEDROSIA, N-orth Part of INDIA, SERICA, SINÆ.

3. *Southern*; Containing ARABIA, the two P-eninſulas of INDIA.

AS = ScythiSogd Col-ib-alb; As*m*-Arm Sy-mes-aſſ-med-hy -BactArch.

Bab-Sus-parth-AriDran Pers-Car -Gedro N.Ind-Se Sin; Ar -P-Ind.

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III. *AFRICA* was anciently divided into,

1. *Northern*; Containing Mauritania T-*ingitania* and Caes*arienſis*, Numidia, Africa *propria*, Libya (comprehending Cyrenaica and Marmarica) E-gypt; Gaetuli, Garamantes, Nasamones, Psylli.

2. *Middle*; Containing Libya *deſerta* or *interior*, comprehending the Atlantes, Phauruſii, Nigritæ, Nubia Æthiopia.

3. *Southern*; Containing the Leucaethiopes. Erembi or Troglodytæ, Blemmyes.

AF = Mau*ſ*-*Cæs*-Numid-A*ſ*p-Liby-(Cyr-mar)-E; GætGara-NasP*ſ*yl.

Liby*des* AtlántPhauNig-Nub -Æth; Léucæth-Erem Blem.

Table XV.

Antient Italy *and* Greece, Asia Minor, Syria *and* Palestine.

I. Antient *ITALY* may be diſtinguiſhed into two general Parts; *Gallia Ciſalpina* to the North, and *Italy*, primarily ſo called, to the South

The ſeveral People of Gallia Cisalpina were theſe: *Ligures, Taurini, Seguſiani, Salaſſi, Lepontii, Euganei, Rhaeti, Carni, Istri, Veneti; (South of the Po theſe) A-nanes, BOii, Lingones, Senones; North of the Po theſe, Libici, Laevi, Insubres, Orobii, Cenomani.

Italia, primarily ſo called, or the South Parts of *Old Italy*, comprehended theſe following Countries and People:

†Etruria, or Tyrrhenia, Sabini, Latium, Campania, Picentini, G-ræcia magna; ‡ Umbria, Pice-

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* Lying in order along the *Alps*.
† Lying in order on the *Mare Inferum*.
‡ Lying in order on the *Mare Superum*.

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num, V-eſtini, Marucini, Frentani, Apulia; *Marsi, Peligni, Samnium, Hirpini.

Cis = Lig-Tau-Sé-Sa-lep-Eug-Rhæt-Car-Is Vén (P) A-Bo-Ling-Sen.

Lib-læv-Ins-óro-cen———

It = Etru-Sab-Lá-Ca-Pi-G Um-Pí-V-Ma-Fr-Ap Mars-PeliSamn-Hirp.

II. Antient *GRÆECE* was uſually divided into five general Parts, *viz.* Macedonia, Theſſalia, Epirus, Hellas or *Græcia* properly ſo called, and Peloponneſus.

Grae = MáTh Epir-Hel-Pel ———

1. Peloponneſus was divided into ſix Parts or Regions, *viz.* †Achaia, Elis, Messenia, Laconia, Argia or Argolis, ‡Arcadia.

—— Pelop=Ach-Eli-Méſſ-Lac-Ar-Arcad.

2. Epirus contained theſe People and Countries; *viz.* Chaones, Dryopes, Thesprotii, Caſſiopæi, Amphilochi, Almene, Moloſſi, Acarnania.

Ep = Chao-Dry Theſprot-Caſſ-Amphiloc Al-Mol Acarnan.

3. *Hellas*, or Graecia propria (called alſo *Achaia*) was divided into eight Parts, *viz.* DOris, Locris Epicnemidia, Ætolia, Locris Ozolæa, Phocis, Boeotia, Megaris, Attica.

Grae-propri = Dó-Locrep Æto-Locróz-pho-bœ meg-att.

4. Thessalia contained theſe ſeveral Parts, *viz.* Pelasgiotis, Estiotis, Thessaliotis, Pthiotis, M-agneſia.

Thess = PelasEſtThéſſ-Pthi-M ———

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* In the Inland Parts.

† Lying in order on the *Ionian*, *Ægean* and *Cretan* Sea.

‡ In the Inland.

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5. Some of the more remarkable People and Countries of MACEDONIA, were TAULANTII, PAEONES, MYÆDONIA, ÆMATHIA, AMPHAXITIS, PIERIA.

——MACE = Taul-Pæo-mygd-æmath-AmphPi

Asia *m-inor* comprehended Asia *p-ropria*, BITHYNIA, POntus, Galatia, * CAPPADOCIA;—LYCIA, PAMPHYLIA, CILICIA.

As*m* = As*p*-Bith-pó-Ga-Capp. Lyci-pamphy-cil——

Asia *p-ropria* contained PHRYGIA *minor*, MYSIA *minor*, Myſia *m-ajor*, ÆOLIS, IONIA, LYDIA, PHRYGIA *major*, CARIA, DOris.

As*p* = Phryg*imin*-My*ſimiM* Æol Ioni-Lyd-phry*ma* CarDo.

GALATIA comprehended PONTUS GALATICUS, PAPHLAGONIA, GALATIA *p-ropria*, Isauria, and Part of Pisidia, the other Part of which, with the Regions of *Carbalia*, was contained in *Pamphylia*.

——— Gal = PongalaPaphGala*p* Is-pis.

SYRIA was divided into four Parts, SYRIA *p-ropria*, PHOENICIA, COELOSYRIA, PALESTINA.

PALESTINE was diſtinguiſhed into GALILÆA, SAMARIA, JUDÆA, PERÆA or *Judæa* beyond *Jordan*, IDUMÆA.

SYR = Syr*p*Phœn-CœloPal. PAL = GálSamaJudæ Per Idum.

TABLE XVI.

Antient GALLIA, GERMANIA, IBERIA, BRITANNIA.

1. GALLIA was divided by *Auguſtus* into four Parts or Provinces, *viz.* *Gallia* BELGICA, *Gallia* CELTICA

* Among the ſeveral Regions of *Cappadocia* was *Lycaonia*.

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or *Lugdunenſis*, *Gallia* AQUITANICA, and *Gallia* NARBONENSIS. [Gall=BelCeltAquiNarb]

2. The Inhabitants of antient GERMANY were comprehended under four general Denominations, *viz.* INGÆVONES, VANDALI, ISTÆVONES, HERMIONES, [GERM = Ing-Vand Iſt-Her]

3. IBERIA, or antient *Spain*, was diſtinguiſhed into three general Parts, *viz.* TARRACONENSIS, LUSITANICA, B-ŒTICA [IBERI = TarLuB]

4. BRITANNIA, according to the laſt Diviſion by the *Romans*, was diſtinguiſhed into five Parts, *viz.* VALENCIA, MAXIMA *Cæſarienſis*, BRITANNIA *ſecunda*, FLAVIA *Cæſarienſis*, BRITANNIA *prima* [BRIT = ValMax Brit*ſe*-Fla Brit*prim*]

GALL = BelCeltAquiNarb GERM = Ing-Vand Iſt-Her I = TarLuB.

———BRIT = ValMax Brit*ſe*-Fla Brit*prim*.

The Memorial Lines for all the Antient Geography.

EUR=Scá -Fe Sarm Cimb -Cod; Ger-S G-Rhæ-V-No-Pa-D; Ib -Ita -PIll-MœG-Th.

AS = ScythiSogd Col-ib-alb; As*m*-Arm Sy-mes-aſſ-med-hy -BactArch.

Bab-Sus-parth-AriDran Pers-Car -Gedro N.Ind -Se Sin; Ar-P -Ind.

AF = Mau*T*-*Cæs*-Numid-Af*p*-Liby-(Cyr-mar)-E; GætGara -NasPſyl.

Liby*des* AtlántPhauNig-Nub-*Æth*; Léucæth -Erem Blem.

CIS=Lig-Tau-Sé-Sa-lep-Eug-Rhæt-Car-Is Vén (P) A-Bo-Ling-Sen.

Lib-lau-Ins-óro-cen———

IT = Etru-Sab-Lá-Ca-Pi-G Um-Pí-V-Ma-Fr-Ap Mars-PeliSamn-Hirp.

GRAE = MáTh Epir-HelPel. PELOP = Ach-Eli-Méſs-Lac-Ar-Arcad.

EP = Chao-Dry Theſprot-Caſſ-Amphiloc Al-Mol Acarnan.

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GRAE-PROPRI = Dó-Locr*ep* Æto-Locr*óz*-pho-bœ meg-att.
THESS = PelasEſtThéſs -Pthi-M. MACE = Taul-Pæo-mygd-æmath -AmphPi.
As*m* = As*p*-Bith-Pó-Ga-Capp. Lyci-pamphy-cil —
As*p* = Phrygi*min*-Myſi*miM* Æol Ioni-Lyd-phry*ma* CarDo.
——— Gal = PongalaPaphGala*p* Is-pis.
SYR = Syr*p*Phœn-Cœlo-Pal. PAL = GálSamaJudæ-PerIdum.
GALL = BelCeltAquiNarb GERM = Ing-Vand Iſt-Her I = TarLuB.
———BRIT = ValMax Brit*ſe*-Fla Brit*prim.*

TABLE XVII.

Remarkable Places in Antient Geography.

ABDERA in *Thracia*
BERYTUS in *Phœnicia*
HELICON in *Phocis*
HALICARNAſſUS in *Doris* in *A*-ſia minor
CHERONÆA in *Bœotia*
CANNÆ in *Peucetia*
ARBELA in *Aſſyria*
GRANICUS R. of *Phrygia*
MAEANDER Riv. of *Lydia*
TAGUS Riv. of *Luſitania*
IſſUS Promont. of *Cilicia*
PATMOS one of the *Sporades* Iſlands
OLYMPIA in *Elis*
PYLUS in *Meſſene*
MARATHÓN in *Attica*
DELPHOS in *Phocis*
SAMOSATA in *Comagene*
DYRRACHIUM in *Macedonia*
THESSALONICA in *Aurophaxitis*
NICOMEDIA in *Bithynia*
NYSSA in *Megaris*
ACROCERAUNIA M. in *Epirus*
CITHÆRON M. in *Bœotia*
HYMETTUS M. in *Attica*
ATHO M. in *Macedonia*
OLYMPUS, PELION, O-ſſa } M. in *Theſſalia*
MANTINEA in *Arcadia*
EPIDAURUS in *Laconia*
PELLA in *Æmathia*
ACTIUM, AMBRACIA } in *Acarnania*
SMYRNA, EPHEſUS } in *Ionia*
PERGAMUS in *Myſia*
LAODICEA in *Caria*

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Sardis, Thyatira, Philadelphia } in *Lydia*
Sardica in *Thracia*
Chalcedon in *B*-ithynia
Cirtium in *Numidia*
Illiberis in *Hisp. Bætica*
Ancyra in *Galatia*
Gangra in *Paphlagonia*
Sirmium in *Pannonia*
Neocaesarea in *Cappadocia*
Pharsalia in *Theſſalia*
* Philippi in *Thracia*
Leuctra in *Bœotia*
Clusium in *Etruria*
Baiæ in *Campania*
Tusculum in *Latium*
Aquileia of the *Carni*
Edessa in *Meſopotamia*
Rhegium in *Calabria*
TOmi in *Mœsia*
Damaſcus in *Cœle S*-yria
Colossæ in *Phrygia*
Saguntum in Hiſp. *Tarraconenſis*
Brundusium in *Calabria*
Comagene a Region of *S*-yria propria
Dodone a Town of the *Moloſſi*
Sparta in *Laconia*
Antiochia in *Piſidia*
Antium of the *Volſci*
Amyclæ in *Laconia*
Ariminum in *Umbria*
Corinth, Cenchreæ } in *Achaia*
Eleusis in *Megaris*
Acerræ in *Campania*
Chalcis in *Ætolia*
Corfinium, Sulmo } of the *Peligni*
Memphis in *Inferior* Egypt
Thebais in *Super. E*-gypt
Mycenæ in *Argia*
Patara in *Lycia*
Chalybes a People of *Galatia*
Nemea in *Argia*
Adramyttium in *Myſia*
Cnidus in *Doris* in *A*-ſia
Mediolanum of the *Inſubres*
Syracuſæ in *Sicily*
Patavia of the *Veneti*
Ilium in *Phrygia minor*
Carbalia in *Pamphylia*
Lycaonia in *Cappadocia*
Cyzicum in *Myſia*
Cuma in *Æolis*
Pisidia part in *Pamphylia*, part in *G*-alatia
Cures of the *Sabini*
Lavinium in *Latium*
Ardea of the *Rutuli*
Portus Liburnus in *Etruria*
Tegæa in *Arcadia*
Lucani, Brutii } in *Oenotria*
Oenotria part of *Græcia M*-agna

* Why *Philippi* is ſaid to be in *Macedonia*, Act. xvi. 12. Vid. *Wells's* Geog. Cap. 15. And *Peirce* on the Epiſtles.

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MESSAPIA part of *Græcia M-agna*
DAUNIA } Parts of *A-*
PEUCETIA } *pulia*
ÆQUI } In *Latium nov.*
HERNI }
MUTINA of the *Boii*
RAVENNA in *Umbria*
CALABRI } in *Messapia*
SALENTINI }
VOLSCI } in *Latium*
AUSONES } *N-ovum*
SABÆI } in *Arabia*
SARACENI } *Felix*
NABATHÆI in Arabia *Petræa*
NOMADES } in *Arabia*
SCENITÆ } *Deserta*
TYRUS } in *Phœnicia*
SIDON }
HIPPO in *Numidia*
PALMYRA in *Cœle S-yria*
NOLA in *Campania*
TARENTUM of the *Salentini*

The Memorial Lines.

Abder*thra* Bery*phæn* Helico*ph* Halicâr*dor-A* Cher*læ*
Can*peucet* Arba*ſs* Gran*ph* Mæ*lydi* Tâg*luſit* Iſcil.
Pat*ſporad* Olyme*lis* Pyl*mes* Mara*thattica* Del*pho.*
Samóſa*com* Dyrr*mac* Theſſa*lamphax* Nic*bithy* Nyſſ*meg.*
Acró*cepir* Cith*bæ* Hym*at* Ath*mac* Ol-pel-O*theſſal.*
Man*tarc* Epidau*lac* Pell*æmath* Act-am*acarnan.*
Smyrn-eph*on* Perg*mys* Laod*car* Sard-thya-phil*lyd.*
Sard*thraci* Chal*B* Cirt*num* Illib*his-bæt* Ancg*ala* Gang-*paph.*
Sirm*pan* Neocæſ*cap* Pharſ*theſſa* Philip*thraci* Leuc*bæ.*
Cluſe*tru* Bai*campa* Tuſc*lat* Aquileic*ar* Edeſſ*mes.*
Rheg*calabri* To*mæs* Dam*cæl-S* Colóſſi*phrygi* Sag*tar.*
Brund*cala* Com*S* Dod*mol* Spart*lac* Antôch*piſid* Ant*vols.*
Amyc*lac* Arim*umb* Cori-cenchr*ach* Eleuſ*meg* Acerr-*camp.*
Chalc*æt* Corfini*pel* Sulm*pel* Memphi*nferE* Theb*ſúpE.*
Myce*narg* Pata*lyc* Chaly*gal* Nem*arg* Adrymit*mys.*
Cni*dorA* Mediol*ins* Syracu*ſici* Pat*venet* Il*phryn.*
Carbâli*pamph* Lyca*cap* Cyzi*mys* Cum*æoli* Pis*pamG.*
Cur*ſab* Lavini*lat* Ardr*ut* Libur*netru* Teg*arc.*
Luc-Brut*oenot* Oeno*græM* Meſſap*græM* Dauni-Peucet*ap.*
Æqu-hern*laN* Muti*boi* Ravn*umb* Cala-Sal*ne* Vol-Aus*laN.*

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Sab-Sáracen*ára-fel* Nabath*pet* Nom-Scen*arab-des.*
Tyr-Sid*phœn* Hippo*num* Palm*CælS* Nol*campa* Tarrent*sal.*

TABLE XVIII.

The Correſpondence of Antient *and* Preſent Geography.

REGIONS *and* PROVINCES.

Antient.	*Preſent.*	*Antient.*	*Preſent.*
SARMATIA [Sarmpota-mu-L]	*Po*land, Great *T*artary, South Part of *Mu*ſcovy, *L*-ivonia	DACIA *	*Mol*davia, *W*alachia, *T*ranſilv.
CIMBRICA Cherſoneſus	*Jut*land	LIBURNIA	*Cro*atia
*Inſula CODANONIA	*Ze*land	ILLYRICUM	*Cro*atia, *Dal*matia
SCANDINAVIA or B-altia	*No*rway and Part of *Swe*den	NORICUM	*Bav*aria, *Aus*tria
SCYTHIA Af. and Sogdiana	Great *T*-artary	VINDILICIA	*Swa*bia, *B*avaria, *Griſ*ons
ACHAIA or Hellas	*Livad*ia	RHAETIA	*Tyr*ol and p. of *Italy*
EPIRUS	*Chim*æra	HELVETII	*Switz*erland
THESSALY	*Jan*na	ALLOBROGES	*Sav*oy
MOESIA ſup.	*Serv*ia	COLCHIS	*Ming*relia
MOESIA inf.	*B*ulgaria	IBERIA, ALBANIA	*Geor*gia
PELOPONNESUS	*Mor*ea	GAETULIA	*Bild*ulgerid
THRACIA	*Rom*ania	AFRICA proper	*Tripo*li and *Tu*nis
PANNONIA	*Hung*ary	MAURITANIA	*Fez* and *Moroco*

* *Zeland*, *Funen*, and the adjoining Iſles had the common Name of *Inſulæ Æmodes*, and were eſteemed Iſles of antient *Germany*, being inhabited by the *Teutoni*, called alſo *Codani*.

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Antient.	*Preſent.*	*Antient.*	*Preſent.*
Libya pr.	*Barca*	Numidia *nova*	*Bil*dulgerid
Numidia	*Alg*iers	Sogdiana	*Zagata*y or Uſbec
Libya Deſerta	*Zaara*	Iberia	*Spa*in
Nigritæ	*Neg*roland	Cantabria	*Biſca*y
Taurica Cherſoneſus	The Peninſula of little *Tarta*ry	Albion	*Brita*in
		Ligures	*Geno*a
		Armenia maj.	*Turco*mania.
Garamantes	The Deſarts of *Zaara*	Armenia min.	*Ala*dulia
		Meſopotamia	*Di*arbec

The Memorial Lines.

Sarm*po-ta-mu-L.* Cimb*jut* Codan*zeel* Sca-B*ſive-ni* Scyth-ſog-*T.*
Ach*livad* Epi*chim* Theſ*ſjm* Mœs*ſer-B* Pelo*mor* Thro*m.*
Pan*bung* Daci*mol-wa-T* Libur*cro* Illyri*cro-dal.*
Nor*bavar-aus* Vind*ſwa-R* Rhætg*ríſ-tyr-it* Helv*ſwit* Allób*ſav.*
Colch*meng* Iber-alb*geor* Gætul*bild* Africa*trip-tun.*
Mau*ſez-mor* Liby*barc* Numid*alg* Lib-des*zara* Nig*neg.*
Taur-cher*ſtart* Gara*zaar* Numi-nov*bil* Sogd*zagal* Ib*ſpa.*
Canta*bis* & Alb*brit* Ligu*gen* Arm*turc-ala* Meſp*di.*

TABLE XIX.

Seas, Straits, Gulfs, Iſlands, Rivers, Towns.

Antient.	*Preſent.*
Mare Hyrcanum, or Caſpium	Sea of *Sala* or *Back*u
Pontus Euxinus	*Black* or Euxine Sea
Ægean Sea	*Arch*ipelago
Propontis	Sea of *Marmo*ra
Palus Mæotis	Sea of Azov
Fretum Gaditanum	Strait of *Gib*raltar
Boſphorus Cimmerius	Strait of *Caffa*
Boſphorus Thracicus	Strait of *Conſt*antinople

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Antient.	*Prefent.*
HELLESPONTUS	Strait of the *Dar*danells
Sinus ADRIATICUS	Gulf of *Ven*ice
SINUS SALAMINIUS	Gulf of *Eng*ia
Sinus GANGETICUS	Bay of *Beng*al
Sinus PERSICUS	Gulf of *Balfo*ra
SINUS CORINTHIACUS	Gulf of *Lep*anto
Sinus ARABICUS	*Red Sea*
FRETUM SICULUM	Straits of *Mefi*na
Sinus AMBRACICUS	Gulf of *Larta*
Mare LIGUSTICUM	Sea of *Gen*oa
SINUS MAGNUS	Bay of *Siam*
Mare TYRRHENUM	Sea of *Tufc*any

Iflands, Rivers, and Towns.

Antient.	*Prefent.*	*Antient.*	*Prefent.*
THULE	*Ic*eland	PATMOS	*Palmo*fa
EBUSUS	*Y*vica	DIOSCORIDES	*Zoc*otra
BALEARES	*Ma*jorca, *Mi*norca	LEMNOS	*Stali*mene
		GADES	*Cad*iz
Iſl. ÆOliæ	*Lipari* Iſl.	CYRNUS	*Corfi*ca
I. FORTUNATÆ	*Can*ary Iſl.	SALAMIS	*Colu*ri
*HESPERIDES	I. C. *Verd*	CARPATHUS	*Scarp*anto
TAPROBANA	*Ceylon*	TRINACRIA	*Sicily*
Cos	*Lango*	CYTHERON	*Cerigo*
CRETE	*Candy*	M. ÆTNA	*Gibel*
CASSITERIDES	*Scilly* Iſl.	M. VESUVIUS	*Soma*
EUBŒA vel CHALCIS	*Negropont*	Lacus TRASIMENUS	Lake of *Perugia*
ITHACA	Ile di *Compare*	RUBICON fl.	*Fiume*cino
ÆGINA	*Engia*	PADUS or ERIDANUS	*Po*
CERNE	†*Mada*gaſcar		
LEUCAS	S. *Maura*		
LESBUS	*Metelin*	ISTER	*Danu*be

* Called alſo *Gorgades*.

† *Madagaſcar* is ſuppoſed by ſome to be the *Menuthias* of the Antients.

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Antient.	*Present.*	*Antient.*	*Present.*
BAETIS	*Guadalquiver*	ROTHOMAGIA	*Rouen*
TANAIS	*Don*	TIGURUM	*Zurich*
RHA	*Volga*	SAGUNTUM	*Morvedro*
BORYSTHENES	*Nieper*	CALPE	*Gibraltar*
ARGENTORATUM	*Strasburg*	COLOGNIA AGRIPPINA	*Cologne*
MOGUNTIUM	*Mentz*	LUGDUNUM	*Lyons*
COLOGNIA ALLOBROGUM	*Geneva*	LUGDUNUM BATAVORUM	*Leyden*

The Memorial Lines.

Caſp*ſala-bach* Eux*black* Æ*garch* Prop*mármo* Mæot*zab.*
Fret-gâdi*gib* Cimm*caff* Thraci*conſt* Helléſp*dar* Adrat*ven.*
Sin-ſalam*eng* Gan*beng* Pers*bals* Si-corínth*lep* Arábr*ed-S.*
Fret-ficum*eſs* Amb*lart* Ligu*gen* Sin-mag*ſia* Tyrr*tuſc.*

Thu*lice* Ebus*yv* Bale*ma-M* Æo*lipari* Fort*can.*
Heſp*verd* Taprob*ceyl* Cos*lang* Cret*candi* Caſſit*ſcill.*
Chalc-eub*neg* Itha*comp* Ægin*eng* Cern*mada* Leuc*mau.*
Leſb*metelin* Pat*palm* Dioſcórz*oc* Lem*ſtali* Gad*cad.*
Cyrn*corſic* Sala*col* Carp*ſcarp* Trinac*ſici* Cyth*cer.*
Ætna*gi* Veſuv*ſom* Traſi*per* Rubi*ſium* Pad-Erid*po.*
Iſt*danu* Bætg*uadal* Tana*don* Rha*volga* Boryſt*niep.*
Argent*ſtras* Mog*mentz* Col-all*gen* Róthor*ou* Tig*zur.*
Sag*mor-ved* Calp*gib* Col-agrip*col* Lug*lyo* Lug-B*Leyd.*

N. B. It was thought needleſs to give more Examples, eſpecially of ſuch as have any Likeneſs or Affinity in their Names; as *Tagus* Taio, *Sequanus* Seyne, *Rhenus* Rhine, *Garumna* Garonne, *Zacynthus* Zante, *Melita* Malta, *&c.*

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GEOGRAPHIA SACRA.

TABLE XX.

The Plantation of the Earth after the Flood.

And Firſt, The ſeveral Countries mentioned in Holy Scripture, and denominated from ſome of the Poſterity of *SHEM*, viz.

OPHIR, conjectured to be Part of the *Eaſt Indies*, viz. Aurea *Cherſ*oneſus of the Antients [Oph*chers*]

HAVILAH, Part of *Sus*iana and *Car*amania [Ha*viſus-car*]

ELAM, Part of *Sus*iana and *Pers*is [Ela*ſus-pers*]

ASSHUR, or *Aſſyria* properly ſo called, into which *Nimrod* is ſaid to come and build *Nineveh*, &c. [Aſſhur]

ARAM, Part of *Sy*ria and *Meſ*opotamia [Arám*ſy-mes*]

Land of Uz, Judæa *p*eræa and the adjoining Parts of ARABIA *d*eſerta and Petræa. [Uzjú*p*-ara*d*]

LUD, or *Lyd*ia, in Aſia minor [Lud*lyd*]

Oph*chers* Havi*ſus-car* Ela*ſus-pers* Arâm*ſy-mes* Aſſhur. Uzjú*p*-ara*d* Lud*lyd*

Countries mentioned in the Scripture, and denominated from the Poſterity of *JAPHET*, (eldeſt Son of *Noah*) whoſe Family is ſuppoſed to have peopled, beſides a conſiderable Part of *Aſia*, all *Europe*.

MADAI, called by Heathen Writers Media [Mad]

GOMER, thought to be *Alb*ania, on the Euxine Sea [Gomer*alb*]

TOGARMAH, *Cap*padocia [Toga*cap*]

ASHKENAZ, *Ph*rygia [Aſhke*ph*]

TUBAL, *Iber*ia in Aſia [Tub*iberi*]

MESHECH, the Country lying about the Montes

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*Moſchi*ci, between Colchis and Armenia major. [Meſhéch*moſch*]

Magog, the Parts of *Scythia* adjoining to the Plantations of *Meſhech*, Tubal and Gomer [Mag-*ſcythi-meſh*]

Javan, antient *Greece* [Jav*gree*]

Elishah, or the Iſles of Eliſha, the Iſles of the *Archi*pelago [Eliſh*arch*]

Kittim underſtood of *Italy*, Dan. xi. 30. and of Macedonia in the Book of Maccabees [Kitt*ita*]

Tarshiſh, by *Joſephus* underſtood to be *Cilicia*, by others Old Spain, by others Carthage [Tarſh*cil*]

Mad Gomer*alb* Toga*cap* Aſhke*ph* Tubi*bíri* Meſhéch-*moſch*.

Mag*ſcythi-meſh* Jav*gree* Eliſh*arch* Kitt*ita* Tarſh*cil*.

Countries mentioned in Scripture, denominated from the Poſterity of *HAM* (youngeſt Son of *Noah*) whoſe Family peopled *Africa*, with the adjoining Parts of *Aſia*.

Land of Cush, (commonly rendered *Æthiopia*) under which Name ſeems to have been contained moſt of Arabia, diſtinguiſhed into ſeveral Parts, denominated from the Poſterity of Cuſh, as,

Sheba, *Ara*bia *F*elix [Sheb*ara-F*]

Havilah, Part of *Ara*bia *d*eſerta, next to Babylonia [Hav*ara-d*]

Raamath and Dedan, Parts on the *Perſian Gulf* [Ra-déd*pe-gu*]

Mizraim, or *Æ*gypt [Mizr*Æ*]

Lub or Lybim, that is, Libya properly ſo called [Lub]

Phut, the more remote Parts of *Liby*a largely taken [Phut*lib*]

Land of Canaan lying between the River *Jordan* and the *M*editerranean [Cána*jor-M*]

Land of Hamath, North Part of *Phœni*cia, and adjoining Parts of *S*yria propria [Hamáth*phœn-S*]

Arvad, or Arpad, or the Iſle Aradus, lying over-againſt *Hama*th [Arv*hama*]

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Land of the PHILISTINES, *Paleſtine* proper [Phil*pal*]

Cuſh*æthiop* [Sheb*ara-F* Hav*ara-d* Ra-déd*pe-gu*]
Mizr*Æ*.
Lub Phut*lib* Cána*jor-M* Hamáth*phœn-S* Arv*hama*
Phil*pal*.

TABLE XXI.

Diviſion of the Holy Land

The Kingdom of *JUDAH* contained the Tribes of Judah and B-enjamin [Ju-B]

The Kingdom of *ISRAEL* contained the Tribes of

A-ſher, NEPHTALI, ZEBULON, Issachar, Half of MANASSEH, DAN, E-phraim, SIMEON } Weſt of Jordan

REUBEN, G-ad, the other Half of M-anaſſeh } Eaſt of Jordan

The ſeven Nations were the CANAANITES, the GIRGASHITES, the HITTITES, the HIVITES, the AMORITES, the JEBUSITES, and the P-erizzites.

ISR = A-NeZe -M IſMa -G Dan-E -Réub Si: Ca-Girg-hit-hiv Am-Je-P.

The Diviſion of the Holy Land in the New Teſtament, *compared with the Diviſions thereof among the Twelve Tribes in the* Old Teſtament

GALLILEE contained A-ſher, NEPHTALI, Z-abulon and Issachar [GALL = A-NeZIſs]

SAMARIA contained EPHRAIM, with the Half of MANASSEH [SAM = ManEph]

Judæa contained DAN, Parts of SIMEON and Judah with B-enjamin [Ju = Dán Si-Ju-B]

IDUMÆA contained the South Parts of SIMEON and J-udah, and ſome Part of the Land of E-dom [ID = Si-J E]

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Perœa contained R-euben, Gad, and the other Half of M-anaſſeh [Per = MGaR]
Gall = A-NeZIſs. Sam = ManEph. Ju = Dân Si-Ju-B. Id = Si-J E. Per = MGaR.

The Land of Edom bordered on the South of *Judæa* [EdómS*jud*]

The Land of the Moabites lay on the *N. E.* of *Edom* [Móa*NEed*]

The Land of the Ammonites lay on the *N. E.* of *Moab* [Am*NEmoab*]

The Ishmaelites, Madianites, and Amalekites, lived promiſcuouſly together, and therefore ſeem to be denoted by the common Name of the Mingled People, or *Arab*ians, from ערב *miſcuit*, from whence the Greek Apellation of Ἄραψ, or Ἄραβες. [Iſh-mad-am*arab*]

EdómS*jud* Móa*NEed* Am*NEmoab* Iſh-mad-am*arab*.

Table XXII.

The moſt remarkable Rivers, with the Places where they riſe, and the Seas into which they fall.

In EUROPE.

The Volga, the greateſt River in *Europe*, riſes in *Ruſ*ſia, and falls into the *Ca*ſpian Sea [Vol*rus-ca*]

The Danube riſes in *Swab*ia, and falls into the *Eux*ine Sea [Dan*ſwab-eux*]

The Rhine riſes in the Country of the *Griſ*ons, and falls into the *Ger*man Ocean [Rhin*griſ-ger O*]

The Vistula, or *Weſel*, riſes in *Po*land, and falls into the *Bal*tick [Viſt*po-ba*]

The Nieper riſes in *Po*land, and falls into the *Eux*ine Sea [Nie*P-eux*]

The Dwina riſes in *Ruſ*ſia, and falls into the Gulf of the Northern Ocean, called the *Whi*te Sea [Dwin*rus-whi*]

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The TAIO in *Spain*, falls into the *Atl*antick *Ocean* [Tai*sp-atl-oc*]

The IBERUS, or *Ebro*, in *Spain* } fall into the
The RHODANUS, or *Rhone*, in *France* } *Med*iterranean
[Ib-Rhod*med*]

The ELBE in *Germany* falls into the *Ger*man *Ocean* [Elb*ger-oc*]

The ODER in *Germany* falls into the *Balt*ick [Od*balt*]

In ASIA.

T-igris and EUPHRATES rise in *Arm*enia major, and having joined Streams on the South East of *Mesopotamia*, fall into the *Si*nus *P*ersicus [T-Eupha*rm-siP*]

JORDAN rising in the border of *Neph*tali, and passing through the Lake of *Genne saret*, falls into the *Salt* Sea [Jord*neph-salt*]

GANGES in *I*ndia falls into the Bay of *Ben*gal [Gán-*I-beng*]

In AFRICA.

The NILE, running through the Middle of *Egypt* falls into the *Med*iterranean [Nil*medi*]

The SENEGAL runs through *Negroland* into the *At*lantick Ocean [Sen*at*]

The Memorial Lines.

Volr*us-ca* Dan*swab-eux* Rhing*rif-ger*O Vist*po-ba* Nie*P-eux.*
Dwin*rus-whi* Tai*sp-atl-oc* Ib-Rhod*med* Elb*ger-oc* Od*balt.*
T-Eupha*rm-siP* Gán-*I-beng* Jord*neph-salt* Nil*medi* Sen*at.*

ASTRO-

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ASTRONOMICA.

SECTION IV.

The Application of this Art to Aſtronomy and Chronology.

THE *Technical* Endings affixed to the Beginnings of the Names of the Planets repreſent the Number of Miles of their Diameters, Diſtances, Magnitudes, *&c.* according to the general Key. Where the Beginning of the Word is *Technical*, it is compoſed of the Syllables or Letters diſtinguiſhed in the Tables by Small Capitals.

TABLE I.

The D-iameters, &c. *of the Planets in* Engliſh *Miles, according to Dr.* Derham's Aſtro-theology.

	Engl. Miles.
Luna [LuD*dapu*]	2175
Mercury [MercúD*depok*]	2748
Mars [MarD*okpu*]	4875
Venus [VeD*omeip*]	4987
Terræ Diam. [TerDia*pouſoi,k*]	7967,8
Saturn [SaD*ní-ola*]	93,451
Jupiter JuD*aty-ſli*]	130,653
Solis Diam. [SolDi*ked-áfei*]	822,148

The D-iameters *of their* Orbits.

Saturn [D-orb-Sát*aſob-les-teis*]	1641.526,386

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Jupiter [JuRB*koúl-atoth*]	895.134,000
Mars [MaRB*ese-deid-naz*]	262.282,910
Terræ [D-orb-Ter*boid-áze-poul*]	172.102,795
Mercury [MeRB*sau-sebth*]	66.621,000
Venus [VeRB*bef-okoí-baf*]	124.487,114
Luna [Dorb-lun*opóu-nyl*	479,905
Saturni Annuli Diam. or the Diameter of *Saturn*'s Ring [Sat-anu-di*dáz-daul*]	210,265
——Ejusdem Latitudo, or the Breadth of *Saturn*'s Ring [——lati*dóu-eg*]	29,200
Terræ Superficies, or the superficial Content of the Earth [Ter-super*ann-fof-ezau*]	199.444,206
——Ejusdem Diameter [Dia-*pousoi,k*]	7967,8
——Ejusdem Orbitæ Perimeter [Perm*ufy-skau-del*]	540.686,225

The Magnitudes or Solid Contents in Cubick Miles *of the larger Planets.*

Magnitudo

	Cubick Miles.
Terræ [Ter-magnit*éso-klaum*]	264,856.000,000
Solis [Mag-sólis*ëoúz-noia*-mil-mil]	290,971.000,000.000,000
Jovis [Mag-jov*nez-záb-ezym*]	920.011,200.000,000
Saturni [Sat-magnit-*oép-dak* & *izym*]	427.218,300.000,000

The Ambit *or Circumference.*

	English Miles.
Jovis [Am-jovis*ipoú-zot*]	379,043
T-erræ [Am-T*el-yib*]	25,031
Solis [Am-sol*e-leid-koit*]	2.582,873

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The Memorial Lines.

LuD*dapu* MercúD*epok* MarD*okpu* TerDia*pouſoi,k.*
JuD*aty-ſli* VeD*oneip* SaDn*í-ola* SolDi*ked-áfei.*
D-orb-Śát*aſob-les-teis* JuRB*koúl-atoth* MaRB*eſe-deid-naz.*
D-orb-Ter*boid-áze-poul* MeRB*ſau-ſebth* VeRB*bef-okoí-baf.*
Sat-anu-di*dáz-daul*—lati*dóu-eg* D-orb-luno*póu-nyl.*
Ter-ſuper*ann-foſ-ezau* — dia*ponſoi,k* — Perm*uſy-ſkau-deł.*
Ter-magnit*éſo-klaum* Mag-ſólis-*ëoúz-noia*-mil-mil.
Mag-Jov*nez-záb-ezym* Sat-magnit*oép-dak* & *ízym.*
Am-jovis*ipoú-zot* Am-T*el-yib* Am-ſole-*leid-koit.*

TABLE II.

The Diameters, &c. *of the Planets, according to Mr.* Whiſton*.

Luna [LuD*dedi*]	2223	
MERCURY [MércúD*epap*]	2717	
MARS [MarD*ekbau*]	2816	*Engl.* Miles
TERRA [Ter-Dia*kéze*]	8202	of 5000
Jupiter [JuD*le-led*]	52,522	*Paris* Feet.
VENUS [VeD*onob*]	4941	
SATURN [SaD*ot-nel*]	43,925	
SOL [Sol-D*ifouf-ázy*]	494,100	

2. † *Their* DISTANCES *from the Sun.*

	Engliſh Miles.
SATURN [Diſtat-Sat*láï-lazth*]	513.540,000
MARS [Diſt-Már*ke-dodth*]	82.242,000

* Theory of the Earth, *p.* 31, &c.

† The Diſtances of the Planets from the Sun, according to Dr. *Derham*, are as follow:

SATURN [Diſt-Sat*kez-palit-ani*]	820.763,193
MARS [Diſt-Mar*bib-bob-olu*]	131,141,455

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Mercury [Dist-Mer*ex-ouleth*]	20.952,000
Jupiter [Dist-Jupi*deiz-uketh*]	280.582,000
Terra [Dis-Ter*lom*]	54.000,000
Venus [Dista-Ve*tou-znauth*]	39.096,000

3. *The* Quantity *of Matter in the Heavenly Bodies is in the Proportions following.*

Terra [Quan-ter*a*]	00001
Luna [Quan-Lun,*res*]	00003 1/10
Jupiter [Quan-Jup*ſy*]	0·060
Saturn [Quan-Satur*ek,ro*]	00028 1/4
Sol [Quan-Soli*ſau-ſny*]	66,690

4. *The Weight* (Pondus) *of Bodies on the Surface of*

Saturn [Pon-Sátur*uts*]	536
Luna [P-Lun*ſiz*]	630
Jupiter [Pon-Ju*kzo,re*]	804 1/2
Terra [Pon-Ter*aduk,re*]	1258 1/2
Sol [Pon-Sol*axth*]	10,000

5. *The* Denſities *of the ſame.*

Sol [Dén-Sol*ag*]	100
Luna [Den-Lun*oig*]	700
Terra [Den-Ter*teip*]	387
Saturn [Den-Sa*ſy*]	60
Jupiter [Den-Ju*ps*]	76

N. B. Mr. *Whiſton* ſuppoſes the *Sun*'s Parallax to be 32". Dr. *Derham* (with *Caſſini*) 9 Sec. and half.

The Memorial Lines.

1. LuD*dedi* MercúD*epap* MarD*ekbau* Ter-Dia*kéze.*
JuD*le-led* VeD*onob* SaD*ot-nel* Sol-Di*fouf-ázy.*

Mercury [Diſt-Mer*it-ibz-ug*]	33.310,500
Jupiter [Dis-Jupi*ſoſt-uſoith*]	447.567,000
Terra [Dis-Ter*kau-zub-touk*]	86.051,398
Venus [Diſt-Ve*ſe-dot-luſt*]	62.243,557

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2. Distat-Sat*láï-lozth* Dist-Már*ke-dodth* Dist-mer*ez-ouleth.*
Dist-Jupi*deiz-uketh* Dis-Ter*lom* Dista-Ve*tou-znauth.*

3. Quan-Ter*a* Quan-Lun,*res* Quan-Jup*sy* Quan-Satur*ek,ro.*
Quan-Soli*sau-sny.*

4. Pon-Sátur*uts* P-Lun*siz* Pon-Ju*kzo,re* Pon-ter-*aduk,re.*
Pon-Sol*azth.*

5. Dén-Sol*ag* Den-Lun*oig* Den-Ter*teip* Den-Sa*sy* Den-Ju*ps.*

TABLE III.

The Periodical Times of the R-evolutions *of each Planet about the Sun, are as follow:*

MERCURY in	88	Days or about	3 Months
VENUS	224		7 Months½
MARS	687		2 Years
JUPITER	4333		12 Years
SATURN	10759		30 Years

MercR*eik* SatR*azpun* MarsR*aukoi* VenR*edo* Jup-R*ottt.*
Merc-Revo-men*t* VeR-me*p-h* MarsRan-*d* JupRan*he* SatRan*ty.*

N. B. Men *vel* me *Mensibus,* an Annis, *h* half.

The DISTANCE of the Earth from the Sun being divided into 10 Parts, or DECIMALS, the Distance of MERCURY from the Sun will be as 4 of them, of VENUS as 6, of MARS as 15, of JUPITER as 52, of SATURN as 95.

Ter-Dist*az* Mér*o* Ven*s* Mars*al* Jupiter*le* Saturn*oul.*

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The *Sun* is distant from the Earth 21600 Semidiameters of the Earth = 86.051,398 Miles.

The Moon 60½ Semidiameters = 239,952 Miles.

Dist-Sol-semi*da-syx* = *kau-zub-touk* ———

——— Distat-Lun-sem*sy,xo* = *din-nud.*

The Motion of the *Sun* round its AXis is performed in 25 Days 6 Hours [SólX*du,ro*] The Motion of Jupiter round its Axis is performed in 9 Hours 56 Minutes [JuX*n,us*] that of the Earth in 24 Hours; so that the M-otion of the Sun round its Axis is at the Rate of 4262 Miles an Hour [SolM*fefe*] The M-otion of Jupiter round its Axis 38159 Miles an Hour [JuM*teibun*] The M-otion of the *Earth* round its Axis is 1043 Miles an Hour [TerM*ázfi*]

Solm*fefe* JuM*teibun* TerM*ázfi* SólX*du,ro* JuX*n,us*.

The apparent Diameter of the Sun in Summer (Æstate SOlis Diameter) is 31 M-inutes 40 S-econds [Æstat-So-Di-*mib-sox*]

In Winter (Hyeme) 32 M-inutes 47 S-econds [——Hye-*mid-sop*]

If the Sun is supposed to go round the Earth, its diurnal Motion will be 22.528,366 M-iles in an HOur [Sol-m-ho*de-lek-taus*]

Æstat-So-Di-*mib-sox* — Hye-*mid-sop*) Sol-m-ho*de-lek-taus.*

The Three Comets *whose Periods are thought to be discovered.* Derh. Astr. p. 56.

That	1682	performs	75	and will	1758
which	1661	its Revo-	129	appear	1789
appeared	1680	lution in	575	again	2225

Com*ske-pu saub-adou sky-loil*: *puk pein & eëlu.*

The Memorial Lines.

MercR*eik* SatR*axpun* MarsR*aukoi* VenR*edo* JupR*ett.*

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Merc-Revo-ment VeR-mep-h MarsRand JupRanbe Sat-Ranty.

Ter-Diſtaz Méro Vens Marsal Jupiterle Saturnoul.

Diſt-Sol-ſemida-ſyz = kau-zub-touk Lunſy,ro = dinnud.

SolMfeſe JuMteibun TerMázſi SólXdu,ro JuXn,us.

Æſtat-So-Di-mib-soz — Hye-mid-sop Sol-m-hodelek-taus.

Comſke-pu ſaúb-adou ſky-loil : puk pein & eëlu.

TABLE IV.

Chronological Notes.

	d.	h.	m.	s.	th.
Solar Month (MENſis SOLARIS) conſiſts of [Men-Solarty-by-dou]	30	10	29	00	0
Lunar SYNODal Month [Synod-én-be-ff-t]	29	12	44	03	0
Lunar PERIodical Month [Men-perioi-p-ot]	27	07	43	00	0
The Cycle of the Moon leſs (Cyclus Lunaris MINOR) than 19 *Julian* Years [Cyc-Lu-min-ha-doi-ta-ll]	00	01	27	31	55
(This Difference ariſes to a whole Day, and conſequently throws the New Moons back a whole Day, in 312 Years (ANNis) [Annta])					
The Tropical or Natural Solar Year leſs than the *Julian* (Annus TROPICUS MINOR JULIANO) eleven Minutes; [Trop-min-juli-mab] and conſequently the Equinoxes happen a day ſooner in 130 Years) [biz]	00	00	11	00	0
The Lunar Year (LUNaris ANNUS) [Lun-anilo-hei-mok]	354	08	48	00	0

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	d.	h.	m.	s.	th.
The Epact [Epac*ax-da-b*]	10	21	01	00	0
The Solar Year [Solaris Annus) [Sol-an*isu-l-on*]	365	05	49	00	0
Between the Vernal and Autumnal Equinox [Vern-aut*aks-hak-mix*]	186	18	30	00	0
Between the Autumnal and Vernal Æquinox [Autum-vern*boik-ab-an*]	178	11	19	00	0

The Metonick Period was invented by *Meto*, in the Year before *Christ* 430, consisting of 19 Years [Met*siz-bou*]

The Calippick Period was invented by *Calippus*, in the Year before *Christ* 330, consisting of 76 Years [Calip*itz-ois*]

The Dionysian Period was invented by *Dionysius Exiguus*, Ann. Dom. 527, consisting of 532 Years [Dio*lep-lid*]

The Julian Period was invented by Joseph Scaliger, consisting of 7980 Years [Júl-scali*pouky*]

The Vulgar Year of *Christ* was in the fourth of the Indiction, the tenth of the Cycle of the Sun, the second of the Cycle of the Moon.

Indic. erat quarto, decimo Sol. Luna secundo.

To find the Year of the Julian *Period, the Years of the other Cycles being given.*

Multiply the Cycle of the *Sun* into 4845 [Sol in *okol*]
——— The Cycle of the Moon into 4200 [Lun*feg*]
——— The Indiction into 6916 [Indic*snas*]
Divide the Product by 7980 [Div-produ*pouky*]
The Remainder is the Year.

The Sunday Letters which begin every Month are generally known by the two *English* Verses,

At Dover Dwells George Brown, *&c.*

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But perhaps they may be more readily remembered by the following Line, which lays the Reader under no Neceſſity of counting the Order of the Words, before he can tell which Month they anſwer to, every Month ending with the Letter which belongs to the firſt Day of it.

Ja Fd Mád Aprig Mayb June Julg Aúc Sef Octa Novéd Def.

March, May, July, October, have Nones on the 7 Day, and the Ides on 15. [Mar-má-jul-oc = No*p*-Id*al*] The reſt (Caeteri) on the 5 and 13. [Cæt*l-at*]

April, June, September and NOvember have thirty (triginta) Days [Ap-jún-ſe-no = trigint]

Mar-má-jul-oc = No*p*-Id*al* Cæt*l-at*: Ap-jún-ſe-no = trigint.

In a Year (Anno) are 365 Days, 8765 Hours, 525,949 Minutes, 31.556,937 Seconds.

An = di*taul* = Hor*eipaul* = Min*lel-non* = Sec*ta-lus-outoi*.

The Motion of the Firmament, or fixed Stars, is 50″ in a Year, or a Degree in 72 Years. According to which Rate the Motion (called the Platonick Year) is accompliſhed in 25,920 Years [An-Plato = *dunez*]

The twelve Signs: Aries, Taurus, Gemini, Cancer, Leo, Virgo, Libra, Scorpio, Sagittarius, Capricorn, Aquarius, Pisces.

Ar-ta-ge Can-leo-vir Lib-ſcór-ſagi Capric-quár-pis.

The Memorial Lines.

Men-Solar*ty-by-dou* Synod*én-be-ff-t* Men-peri*doi-p-ot* Cyc-Lu-min-h*a-doi-ta-ll* (Ann*tad*) Trop-min-juli-m*ab. (biz)*

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Lun-án*ilo*-h*ei*-m*ok*, Epac*az*-*da*-*b*, Sól-an*isú*-*l*-*on*.
Vern-aut*aks*-h*ak*-m*iz* Autum-vern*boík*-*ab*-*an*.———
Met*fiz*-*bou* Calip*itz*-*ois* Dio*lep*-*lid* Júl-ſcali*póuky*.
Indic. erat quarto, decimo Sol. Luna ſecundo.
Sol in *okol* Lun*feg* Indic*ſnas* Div-produ*pouky*.
J*a* F*d* Má*d* Aprig May*b* Jun*e* Jul*g* Aúc Se*f* Oct*a* Nové*d* De*f*.
Mar-má-jul-oc = No*p*-Id*al* Cæt*l*-*at*: Ap-jún-ſe-no = trigint.
An = di*taul* = Hor*eipaul* = Min*lel*-*non* = Sec*ta*-*lus*-*outoi*.

PONDERA,

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PONDERA, NUMMI, MENSURÆ.

SECTION V.

The Application of this Art to Coins, Weights, and Measures.

THE Beginning of the Words is compoſed of the Initial Letters; thus At-ta ſtands for Attick Talent, Heт for Hebrew T-alent; Ad for A-ttick D-rachm, Ald for Alexandrian D-rachm; HeтO for Hebrew Talent of Gold; (Heт ſtanding for Hebrew T-alent as before, and O for *Or*, or Gold) RoL for ROman L-ibra, Den for Denarius, Shek for Shekel, GreF for Grecian F-oot, HeC for Hebrew C-ubit, RoF for ROman F-oot Square, *&c.*

The *Italick* Endings of the Words repreſent the Number of Pounds, Shillings, and Pence, which are ſeparated from each other by *Hyphens*, or elſe ſignified by the *Roman* Letters l. s. d. The double Lines denote Equality. Thus Am = d*rag* = *t-ei-n*, ſignifies that an A-ttick M-ina, which is equal to 100 Drachms, was 3 Pounds 8 Shillings and 9 Pence. The Letters, though ſeparated, are to be pronounced together; as *t-ei-n tein*. The Reader is to be reminded here that *re* ſignifies $\frac{1}{2}$, *re* $\frac{1}{4}$, &c. according to the general Rule, *page* 4. But *Note*, that inſtead of the Fraction *rè*, the Letter *b* is ſometimes uſed for half, as *eikbe-b* = 7812 $\frac{1}{2}$ *ſc.* 7812 Pounds 10 Shillings.

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TABLE I.

* Hebrew, Attick, Babyloniſh, Alexandrian, *and* Roman *Money.*

	l.	s.	d.
An ATtick TAlent = 60 M-inas [Atta = MAUZ = *ezáu-su*]	206	05	0
An A-ttick M-ina = 100 DRachms [AM = dr*ag* = *t-ei-n*]	03	08	9
An HEbrew T-alent = 50 MInas = 3000 SHekels [HÉT = mi*ly* = ſhí*th* = *fuz*]	450	00	0
An HEbrew M-ina = 60 SHekels [Hem = ſh*auz* = *lou*]	09	00	0
A BAbylonian T-alent [BAT = *eóz-be-s*]	240	12	6
A BAbylonian T-alent of Gold [BaTO*teilz*]	3850	00	0
An Attick T-alent of Gold [ATO = *tig*]	3300	00	0
An HEbrew T-alent of Gold [HeTO = *peg*]	7200	00	0
An A-ttick D-rachm [AD = d*ei,ro*]	00	00	8¾
An HEbrew D-rachm [HED = d*ou*]	00	00	9
A ROman L-ibra = 96 D-enarii [ROL = DOUS = l*i*]	03	00	0
†A ROman Talent = 72 LIbras = [Róm-ta = lib*oid* = *das*]	216	00	0
An ALexandrian DRachm [Aldrach = s*a*-d*s*]		01	6
An ITalick MIna [Ita-mí = l*i*]	3	00	0
A SHekel = 2 BEkas [Shek = Bé*d* = *si*]		03	0
A ROman D-enarius = 4 SEsterces [RÓD = ſeso = d*oi,re*]		00	7½

* Vide the Preface to Dr. *Prideaux's Connection.*

† Others make a Roman TALent = 6000 D-enarii = 24 SEsertiums = 187l. 10s. [Tal = *dauth* = ſesdo = *laeiſh-k*].

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A Sesterce, ¼ of a Denarius, *sc.* LLS. (*vulgo* HS.) *duo Asses cum semisse* [Ses = d*a*-f *i*,*re*] a Penny three Farthings and half Farthing	00 1¼
Sestertium, or 1000 S-esterces * [S*ath* = *p-as-t*]	7 16 5
Decem Sestertium, 10000 Sesterces [Ses*byth* = *pei-d-s*]	78 02 6
Decies Sestertium, or 1.000,000 Sesterces [Sester*am* = *oikbe-h*]	7812 10 0

Denarius (7d½) =
- 2 Victoriati [= Vi*d*]
- 4 Sestertii [= Se*f*]
- 6 Oboli [= Ob*s*]
- 10 Libellæ [= Lib*az*]
- 20 Sembellæ [= Sem*dy*]
- 40 Teruncii [= Terun*fy*]

Den (d*oi*,*re*) = Vi*d* = Se*f* = Ob*s* = Líb*az* = Sem*dy* = Terun*fy*.

The Memorial Lines.

Atta = m*auz* = *exáu-su* Am = dr*ag* = *t-ei-n* Hét = mi*ly* = sh*íth* = *fuz*.

Hem = sh*auz* = l*ou* Bat = *eóz-be-s* BatO = *teilz* AtO = *tig* HetO = *peg*que.

Ad d*ei*,*ro* Hed = d*ou* Rol = d*ous* = l*i* Róm-ta = lib*oid* = *das*.

Al-drach = s*a*-d*s* Ita-mí = l*t* Shek = Bé*d* = s*i* Ród = Ses*o* = d*oi*,*re*.

Ses = d*a*-f*i*,*re* S*ath* = *p-as-t* Ses*byth* = *pei-d-s* Sester*am* = *oikbe-h*.

Den (d*oi*,*re*) = Vi*d* = Se*f* = Ob*s* = Líb*az* = Sem*dy* = Terun*fy*.

---

† Dr. *Arbuthnot* makes the Sesterce a Penny three Farthings, and three Fourths of a Farthing; [Ses = d*a*-f *i*,*tro*] according to which a Sestertium will be 8l. 1s. 5d.½ [S*ath* = *k-a-l-h*] Decies Sestertium, or 1.000,000 of Sesterces = 8072l. 18s. 4d. [Sest*ám* = *kype-sak-do*]

Tal = d*auth* = Sés*do* = l*aeip-h*. S*ath* = *k-a-l-h* Sestam = *kype-sak-do*.

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TABLE II.

Meaſures of Length.

The Method obſerved in the following Tables, is firſt to give the antient Meaſures, Weights, *&c.* in the Proportions which they bear to each other; and then the Proportion which they bear to thoſe of our own Country. To which I ſubjoin ſome Tables, by which the Reader will be enabled to make any Calculations of this Kind with the utmoſt Eaſe and Readineſs.

Engliſh Meaſures of Length.

English MILE =
- 8 FURLONGS [= Furk]
- 320 P-oles [= Pidz]
- 1760 YARDS [= Yarapaux]
- 5280 F-eet] [= Fudeiz]
- 63360 INCHES [= Inautiſy]
- 190080 B-arl. Corns [Banzyeiz]

Mil = Furk = Pidz = Yardpaux = Fudeiz = Inautiſy = Banzyeiz.

		F-eet	
MILE [= 8 Furlongs]	=	5280	Mil = Fudeiz
FURLONG [= 40 Pole]	=	660	Fur = Fſaux
POLE [= 5 ½ Yards]	=	16½	Pol = Fas,re
CUBIT [= 2 Spans]	=	1½	Cub = Fa,re
FADDOM [= 2 Yards]	=	6	Fad = Fau

Mil = Fudeiz Fur = Fſaux Pol = Fas,re Cub = Fa,re Fad = Fau.

Grecian *Meaſures of Length.*

Μίλ-ιον =
- 8 Στα-δια [= Στάδ]
- 800 Ορ-γυιαὶ [= Ορgeig]
- 4800 Πόδ-ες [= Πόδſeig]

Πῆχ-υς = 2 Σπιθαμ-αὶ.
Πῦς = 4 Λῶβ-α = 16 Δάκτ-υλοι.

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Μίλ = Στάκ = Ορεῖγ = Πόδſeig. Πῆχ = Σπιθαμε.
Πῦς = Δᾶρο = Δάκλας.

	Πόδ-ες	
Μίλ-ιον (= 8 Στάδια)	4800	Μίλ = Πόδſeig
*Στάδι-ον (= 100 Οργυιαὶ)	600	Στάδι = Παυg
Οργ-υιὰ (= 4 Πήχεις)	6	Ὀργ = Παυ

	† Δάκ-τυλοι	
Πῆχ-υς (= 2 Σπιθαμαὶ) =	24	Πῆχ = Δef
Πυγὼν (= 2 Λίχαι) =	20	Πυγὼν = Δεκ
Πυγ-μὴ (= 1½ Σπιθαμὴ) =	18	Πυγ = Δak
‡ Πῦς (= 4 Δᾶρα) =	16	Πῦς = Δακλας
Σπιθα-μὴ (= 3 Δᾶρα) =	12	Σπιθα = Δad
Ορθ-όδωρον =	11	Ορθ = Δab
Λίχ-ας =	10	Λίχ = Δακby
§ Δᾶ-ρον =	4	Δᾶ = Δακλο

Στάδι = Παυg & Οργ = Παυ Πηχ = Δef Πυγ = Δakque Πυγὼν = Δεκ.
Πῦς = Δάκλας Σπιθα = Δad Ορθ = Δab Λίχ = Δακby Δᾶ = Δάκλο.

---

* Called alſo Αὐλὸς, from whence came Δίαυλος, a Space of two Stadia.

† The *Grecian* Meaſures, from which the *Romans* borrowed theirs, were commonly taken from the Members of a human Body. Δάκτυλος, a Finger's Breadth; Δῶτρον, a Hand's Breadth, or four Fingers; Λίχας, from the Thumb to the middle Finger; Ὀρθόδωτρον, the Length of the Hand, from the upper Part to the Extremity of the longeſt Finger; Σπιθαμὴ, the Length of the Hand extended, between the Thumb and the little Finger; Πῦς, the Foot = 4 Hands Breadth; Πῆχυς, from the Elbow to the Extremity of the Fingers; Πυγὼν, from the Elbow to the ſecond Joint of the Fingers, or a Cubit with the Fingers inflected; Πυγμὴ, from the Elbow, with the Fingers quite claſp'd; Ὀργυιὰ, from the Extremity of one middle Finger to the Extremity of the other, the Arms being extended.

‡ The *Grecian* Foot was alſo, like the *Roman*, divided into 12 Ὀυγγίαι or Inches.

§ Δᾶτρον, the Palm, ſo called, becauſe Gifts are made with the Hand: Called alſo Δοχμὴ, from δέχομαι to receive, Δακτυλοδόχμη & Παλαιστή.

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Roman *Measures of Length.*

MILLIARE = { 8 STADIA [=Stak] ; 1000 P-assus [=Path] ; 4000 PALMIPEDES [=Palmpoth] ; 5000 P-edes [=Puth] }

PES = { 4 PALMI MINORES [=Pal-mino] ; 12 UNCIÆ [=Uncad] ; 16 DIGITI [=Digitas] }

Mil = Stak = Puth = Palmpoth. Pes = Pal-mino = Digitas = Uncad.

	P-edes	
MILLIARE (=8 Stadia) =	5000	Mil-rom = Puth
STADIUM (=125 Passus) =	625	Stadi = Psel
PASSUS (=4 Palmipedes) =	5	Pass = Pu

	*DIGITI	
† CUBITUS (=1½ Pes) =	24	Cub-digitef
PALMIPES (=5 Palmi) =	20	Palmip = Dex
§ PES (=4 Palmi) =	16	Pes = Das
‡ PALMUS (=3 Unciæ) =	4	Palm = Do
** UNCIA =	1⅓	Un = Da,re

Jewish *Measures of Length.*

MILE = { 2 SAB. DAYS JOURNIES = [=Sabate] ; 10 STADIA [=Staz] ; 4000 CUBITS [=Cubitoth] }

---

* Some divide the *Digitus* into 4 *Grana.*

† Some use *Ulna* for *Cubitus. Pliny* takes them for different Measures; his *Ulna* answers to the *Greek* Ὀργυιὰ.

§ *Pes* was divided, as the *As*, into 12 Parts; hence *Dextans* = 10 Inches, *Dodrans* = 9 Inches, &c.

‡ Called *Palmus minor*, to distinguish it from a greater, which some Authors make equal to 12 Digits.

** Called sometimes *Pollex.*

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Cubit =	2 Spans the greater 3 Spans the leſs	[= Span*ë-i*]
	6 Palms	[= Palm*au*]
	24 Digits	[= Digit*ef*]

Cub = Span*ë-i* = Palm*au* = Digit*ef*. Mil = Sábat*e* = St*az* = C*oth*.

	Cubits	
Eaſtern Mile (= 10 Stadia)	4000	Mil = C*oth*
Stadium =	400	Stad = Cubit*og*
* Schoenus or *Chebal* =	80	Schœn = *eiz*
Arabian Pole =	8	Ara-Pol = *k*
Ezekiel's Reed, or *Kaneh*, =	6	Eze-Ree = *s*
Fathom =	4	Fath = *o*

	Digits	
Cubit, or *Ammah* =	24	Cub = Digit*ef*
† Span, or *Zereth* =	12	Spin = D*ad*
Palm, or *Tophach* =	4	Palm = D*o*

N. B. The Parasang is a *Perſian* Meaſure, conſiſting of 30 Stadia = 3 Mile [Para = mil*t*]

A Day's Journey is an uncertain Meaſure, but amongſt the *Jews* is generally reckoned 24 Miles.

The Memorial Lines.

Mil = Fur*k* = P*idz* = Yar*apauz* = F*udeiz* = In*autiſy* = B*anzyeiz*.

Mil = F*udeiz* Fur = F*ſauz* Pol = F*as,re* Cub = F*a,re* Fad = F*au*.

Μίλ = Στάκ = Ορ*eig* = Πόδ*feig*. Πῆχ = Σπιθαμε. Πῦς = Δῶρο = Δάκλας.

Στάδι = Π*aug* & Οργ = Π*au*-Πηχ = Δ*ef* Πυγ = Δ*ak*que Πυγὼν = Δ*ez*.

Πῦς = Δάκλας Σπιθα = Δ*ad* Ορθ = Δ*ab* Λίχ = Δ*axby* Δῶ = Δάκλο.

---

* Called alſo *Pathil*.

† There is likewiſe another Word, *Gomed*, which the LXX. render Σπιθαμή.

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Cub = Span*ĕ-i* = Palm*au* = Digit*ef.* Mil = Sábat*e* = Staz = Co*th.*
Stad = Cubit*og* Schœn = *eiz* Ara-Pol = *k* Eze-Ree = *s* Fath = *o* Span = D*ad.*

TABLE III.

The Proportion of the foregoing Measures to Engliſh *Measures.*

	Inches.	*Decimals.*
GRECIAN D-igit [GréD = *,tulo*]	0	,75546875
ROman D-igit [RoD = *,peldu*]	0	,72525
* JEWiſh D-igit [JewD = *,nad*]	0	,912
	Feet.	*Decimals.*
GRECIAN F-oot [GreF = *a,zypdou*]	1	,00729$\frac{1}{6}$
ROman F-oot [RoF = *,naup*]	0	,967
HEBREW C-ubit [HeC = *a,kef*]	1	,824
GRECIAN C-ubit [GreC = *a,laznil*]	1	,510935
ROman C-ubit [RoC = *b,olzu*]	1	,4505
	Inches.	*Decimals.*
GRECIAN Foot [Grec-Fo = *be,xeipu*]	12	,0875
ROMAN F-oot [RomF = *ab,fyf*]	11	,604
HEBREW C-ubit [HeC = *da,keik*]	21	,888
GRECIAN C-ubit [GreC = *bci,bib*]	18	,13125
ROman C-ubit [RoC = *boi,fys*]	17	,406
	Eng. Miles.	*decim.*
† GRECIAN M-ile [GreM = *,pautzoun*]	0	,763099

---

* In reducing the *Jewiſh* Meaſures, I have followed Biſhop *Cumberland*, who makes the Cubit = 21,888 Inches. Dr. *Arbuthnot* thinks it plain that there were two Sorts of Cubits, the Sacred One, and the Profane or Common One; the former exceeding the latter by a Hand's-Breadth or three Inches. The Profane Cubit he makes equal to 17 ,82 Inches; the Sacred One = 20 ,79 Inches.

† Dr. *Arbuthnot* makes the *Grecian* Mile equal to 805,8½ *Engliſh* Paces; which, agreeably to my own Method, I have here reduced to 0 ,763099 of a Mile. Yet, according to his own Com-

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	Eng. Miles. decim.
Roman M-ile [RomM = *,nalpan*]	0 ,915719
Hebrew Mile [Heb-mil = *a,teiboi*]	1 ,3817
Grecian Stadium [Gre-St = *,zoutleip*]	0 ,093587½
ROman Stadium [Ro-St = *,bafos*]	,114465
Hebrew Stadium [He-St = *,bik*]	,13817

The Memorial Lines.

GréD = *,pulo* RoD = *,peldu* JewD = *,nad* RoF = *,naup* GreF = *a,zypdou.*

RoC = *b,olzu* HeC = *a,kef* Grec = *a,laznil* Grec-Fo = *be,zeipu.*

RomF = *ab,fyf* GreM = *,paut* RomM = *,nalpan* Heb-mil = *a,teiboi.*

HeC = *da,keik* RoC = *boi,fys* GreC = *bei,bid* Ro-St = *,bafos* He-St = *bik.*

Gre-St = *,zoutleip* ———

Table IV.

Superficial Meaſures.

	Sq. Feet. decim
Engliſh ACre [Ac = sFo*tlauz*]	43560 ,00
R-ood (= 40 Pole) [R = *azkouz*]	10890 ,00
Pole [Pol = *doid,el.*]	272 ,25
	Squ. Yards.
ACre = [Ac = Yar*okez*]	4840
	Sq. Feet. decim.
ROman Square Foot [RoF*q* = *nil.*]	0 ,935089
Grecian Sq. Foot [GreF*q* = *á,zafauts*]	1 ,0146365
Hebrew Squ. Cubit [HeC*q* = *i,teſnois*]	3 ,326976

Jugerum = R-oods 2. P-oles 18. F-eet 250 ,05. [Jug = R*e*-P*ak*-F*ely ,zu*]

Πλέθ-ρον = P-oles 36. F-eet 245. [Πλέθ = P*is*-F*dol*]

---

putation, which makes Ὀργυια = 6 Feet 0,525 Inches, or, which is the ſame, 6,04375 Feet, Στάδιον (= 100 Ὀργυιαι) will be 604,375 Feet, and Μίλιον (= 8 Στάδια) will be 4835 Feet, exactly equal to the Number of *Engliſh* Feet in a *Roman* Mile = 0,915719 Mile.

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**Egyptian* Ἄρυ-ρα = R-oods 3. P-oles 2. F-eet 55¼
[Ἄρυ = R*i*-P*e*-F*ul*,*ro*]

		Eng. Acre. decim.
Jugerum [Jug = ,*ſakdo*]		0 ,618240
Πλέθ-ρον [Πλέθ = ,*etyſt*]		0 ,230632
Egyptian Ἄρυρ-α [Ἄρυρ = ,*oiſt*]		0 ,763768
Greek Sq. Feet.		*Eng. Sq. F. decim.*
Πλέθρον =	10000 =	10146 ,3650
Ἄρυρα ½ Πλέθρον	5000 =	5073 ,1825
Egyptian Ἄρυρα =	10000 Squ. Cub. =	33269 ,7600

	Rom. Squ. Feet.	*Sq. F. decim.*
† Actus minimus 120 + 20 =	4800 =	4488,4272
Actus Quadratus 120 + 120 =	14400 =	13465,2816
Clima 60 + 60 =	3600 =	3366,3204
Verſus 100 + 100 =	10000 =	9350,8900
‡ Jugerum = 2 Actus Quad. =	28800 =	26930,5632
Uncia 1/12 of the Jugerum =	2400 =	2244,2136

The Memorial Lines.

Ac = sF*otlauz* R = *azkouz* Pol = *doid* ,*el* Ac = Yar*okoz*que.
GreF*q* = *á* ,*zafauts* RoF*q* = ,*nil* HeC*q* = *i* ,*téſnois*——
Jug = R*é*-P*ak*-F*ely* ,*zu*. Πλέθ = P*ís*-F*dol* Ἄρυ = R*i*-P*e*-F*ul*,*ro*. ,
Jug = ,*ſakdo* Πλέθ = ,*etyſt* Ἄρυ = ,*oiſt* ——— ,

TABLE V.

Meaſures of Capacity.

Engliſh *Wine Meaſure.*

Tun = { 2 B-uts [= Be]
3 Punchions [= Put]

---

* The *Grecian* Ἄρυρα was ½ of the Πλέθρον.

† *Actus* is the Length of one Furrow, ſo far as a Plough goes before it turns, in Length 120 Feet.

‡ The *Jugerum*, was divided, like the *As*, into 12 Parts.

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Tun	4	HOgſheads	[= Hof]
	6	Tierces	[= Tiers]
	8	Barrels	[= Bark]
	14	R-undlets	[= Raf]
	252	Gallons	[= Galdud]
	2016	Pints	[= Pidzas]
	58212	Solid Inches	[= Inukdad]

Tun = Be = Put = Hof = Tiers = Bark = Raf = Galdud = Pidzas = Inukdad.

Engliſh *Corn Meaſure.*

Quarter = Bushels 8. [Quar = Busk]

Bushel =	4	Pecks	[= Peco]
	8	Gallons	[= Gal*k*]
	64	Pints	[= Pinſo]

Buſh = Peco = Gal*k* = Pinſo : Quar = Busk.

		Cubick Inches.
Gallon of W-ine	[GállW = *eta*]	231
*Gallon of C-orn	[GalC = *doid* ,*ro*]	$272\frac{1}{4}$
Pint dry Meaſure	[Pin-dr = *if* ,*rid*]	$34\frac{7}{12}$
Pint liquid Meaſure	[Pin-liquid = *ek* ,*prei*]	$28\frac{7}{8}$

Hogſhead = { 63 Gallons [= Galſi] ; 504 Pints [= Pinúzo]

GállW = *eta* GalC = *doid* ,*ro* Pin-dr = *if* ,*rid* Pin-liquid = *ek* ,*prei*.

Grecian *Meaſures of Capacity.*

Μετ-ρητὴς =	12	Χόες	[= Xád]
	72	Ξεσταὶ	[= Ξoid]
	144	Κοτυλ-αι	[= Κοτυλaff]
Μεδ-ιμνος =	48	Χοινικες	[Χοινοκ]
	72	Ξέσ-αι	[Ξεσpe]
	144	Κοτυλ-αι	[Κοτλaff]

* This is the common received Content of a Corn Gallon; and according to which the following Computations are made: But ſtrictly, by Act of Parliament, the Corn Gallon contains but 268 ,8 Cubick Inches. By Experiment it appears alſo, that the Standard Wine Gallon doth contain but 224 Cubic Inches. Vid. *Ward's Mathem. Guide.* Part I. Chap. 3.

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Μετ = Χάd = Ξoid = Κοτυλaff Μέδ = Χοινok = Ξεςpeque = Κοτλaff.

Ξές-ης =	2	Κοτυλ-αι	[= Κοτυλe]
	8	Ὀξύ-βαφα	[= Ὀξύk]
	12	Κύαθ-οι	[= Κύαθbe]
	48	Μυςρ-α	[= Μυςρok]
	120	Κοχλ-ιάρια	[= Κοχλadz]

Ξες = Κοτυλe = Κοχλadz = Ὀξύk = Κυάθbeque Μυςρok

		Ξές-αι	
*Μετ-ρήτης l. (= 12 Χόες)	=	72	Μετ = Ξεςoid
Χῦς l. (= 12 Κότυλαι)	=	6	Χῦς = Ξau
Μέδιμ-νος d.	=	72	Μέδιμ = Ξoid
Χοῖν-ιξ d.	=	1½	Χοῖν = Ξa,re

		Μύςρα	
Ξές-ης (= 12 Κύαθοι)	=	48	Ξές = Μύςρok
Κοτύ-λη (= 6 Κύαθοι)	=	24	Κοτύ = Mef
Οξύβ-αφον (= 3 Κόγχαι)	=	6	Οξύβ = Mau
Κύα-θος (= 5 Χῆμαι)	=	4	Κύα = Mo
Κόγχ-η (= 5 Κοχλιάρια)	=	2	Κόγχ = Me

Μετ = Ξεςoid = Χῦς = Ξau = Μέδιμ = Ξoid = Χοῖν = Ξa,re.

Ξές = Μύςρok = Κοτύ = Mef = Οξύβ = Mau = Κύα = Mo Κόγχ = Me.

Roman *Measures of Capacity.*

Culeus =	20	Amphoræ	[=Amphez]
	40	Urnæ	[=Urnoz]
	160	Congii	[=Congbauz]
Sextarius =	2	Heminæ	[=Hemine]
	4	Quartarii	[=Quartarf]
	8	Acetabula	[=Acetak]
	12	Cyathi	[=Cyathbe]
	48	Ligulæ	[=Liglok]

* Called also Ἀμφορεὶς, and Κάδος.

N. B. l. denotes Measures for liquid Things, d. Measures for dry Things; the rest are used as Measures for both.

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Cul = Amph*ez* = Urn*oz* = Cong*bauz* ——
Sext = Hemin*e* = Quartar*ſ* = Acetab*ak* = Cyath*beque*
= Lig*lok*.

	Sextarii	
Culeus l. (=20 Amphoræ)	= 960	Cul=Sex*nauz*
Amphora l. (=2 Urnæ)	= 48	Amph=S*ok*
Urna l. (=4 Congii)	= 24	Urn=Sext*ef*
Congius l.	= 6	Congi=S*au*
Modius d. (=2 Semi-Modii)	= 16	Mod=S*as*

	Lioulæ	
Sextarius (=2 Heminæ)	= 48	Sext=Ligul*ok*
Hemina (=2 Quartarii)	= 24	Hemi=L*ef*
Quartarius (=2 Acetabula)	= 12	Quart=L*ad*
Acetabulum (=1½ Cyathus)	= 6	Acetab=L*au*
Cyathus	= 4	Cyath=L*o*

Jewiſh *Meaſures of Capacity.*

Bath = 3 Seahs [=Sea*t*]
6 Hins [=Hin*s*]
10 Omers [=Omer*az*]
18 C-abs [=C*ak*]
72 Logs [=Log*pe*]
96 Caphs [=Caph*nau*]
330 Gachals [=Gachal*tiz*]

Bath = Sea*t* = Hin*s* = Omer*az* = C*ak* = Log*pe* =
Caph*nau* = Gachal*tiz*.

	Baths or Ephahs	
Chomer or *Coron*	= 10	Chom=Bath-Eph*az*
Letech d.	= 5	Let=Eph*u*

	Cabs	
Bath or Epha	= 18	Bath-Eph=Cab*ak*
Hin l. ½ of Seah	= 3	Hin=Cab*i*
Seah	= 6	Se=Cab*s*

The Hin was = 12 L-ogs = 16 C-aphs l. [Hin
= L*ad*=C*as*]
Cab=20 G-achals d [Cab=G*ez*]
Omer or Gomer was a dry Meaſure.

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The Memorial Lines.

Tun = B*e* = Pu*t* = Ho*f* = Tier*s* = Bar*k* = R*af* = Gal*dud* = Pi*dzas* = In*ukdad*.
Bush = Pec*o* = Gal*k* = Pin*so*: Quar = Bus*k*. Hog = Gal*si* = Pin*uzo*.
GállW = *eta* GalC = *doid* ,*ro* Pin-dr = *if* ,*rid* Pin-liquid = *ek* ,*prei*.
Μετ = Χάd = Ξoid = Κοτυλ*aff* = Μέδ = Χοινok = Ξεςpeque = Κοτλ*aff*.
Ξες = Κοτυλe = Κοχλ*adz* = Ὀξύk = Κυαθbeque = Μυςρok.
Μετ = Ξεςoid = Χῦς = Ξau = Μέδιμ = Ξoid = Χοῖν = Ξa,re.
Ξές = Μύςρok = Κοτύ = Μef = Οξύβ = Μau = Κύα = Μo Κόλχ = Μe.
Cul = Amphez = Urnoz = Cong*bauz* ———
Sext = Hemine = Quartar*f* = Aceta*k* = Cyath*be*que = Ligl*ok*.
Cul = Sex*nauz* Amph = S*ok* Urn = Sext*ef* Congi = S*au* Mod = S*as*.
Sext = Ligul*ok* Hemi = L*ef* Quart = L*ad* Acetab = L*au* Cyath = L*o*.
Bath = Sea*t* = Hin*s* = Omer*az* = C*ak* = Log*pe* = Caph*nau* = Gachal*tiz*.
Chom = Bath-Eph*az* Let = Eph*u* Bath-Eph = Cab*ak* Hín = Cab*i* Se = Cab*s*.

TABLE VI.

Measures of Capacity reduced to English *Measures.*

A PINT DRY	=	34 ,0312	*Cubick Inches.*
A PINT LIQUID	=	28 ,875	

———Pin-dr = *if* ,*zibe* Pin-liquid = *ek* ,*koil*.

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DRY.

	Pints	*Inches*	*decim.*
* Μέδιμν-ος [Μέδιμν = *oiz-t*]	70	03	,501
Modius [Modi = *hau-p*]	16	07	,68
Ephah [Eph = *ub-ad*]	51	12	,107
Ξέσ-ης [Ξες = *z-it*]	00	33	,158
Sextarius [Sextar = *a*]	01	00	,48
Cab [Cab = *d-ek*]	02	28	,432

LIQUID.

	Pints	*Inches*	*decim.*
† Μετρ-ητὴς [Μετρ = *eid-an*]	82	19	,626
Amphora [Am = *up-az*]	57	10	,66
‡ Bath [Bath = *ſy-bu*]	60	15	,2
Ξέσ-ης [Ξές = *a ſ*]	01	04	,283
Sextarius [Sext = *a-u*]	01	05	,636
‡ Log [Log = *z-do*]	00	24	,2735

	Buſhels	*decim.*
Medimn [Méd = *a ,zous*]	1	,09612
Modius [Mod = *,elild*]	0	,253525
Ephah / Chomer [Eph = *,kydoti*]	0	,802433

	Gallons	*decim.*
Metretes [Metr = *az ,til*]	10	,335
Amphora [Amph = *oi ,apad*]	7	,1712
Bath [Bath = *p ,laul*]	7	,5658
Congius [Con = *,kousteil*]	0	,896385

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* Beſides the Attick Medimn, there was a *Medimnus Georgicus*, equal to 6 *Roman Modii*.

† The Metretes of *Syria* was equal to the *Roman Congius* = 7 ,171 Pints.

‡ The *Jewiſh* Meaſures are here, according to Biſhop *Cumberland*, from the *Rabbins*: But Biſhop *Hooper*, from *Joſephus*, makes the *Jewiſh* Bath equal to the Attick Μετρητὴς, and conſequently the Log equal to the Ξέσης. Dr. *Arbuthnot* has given us Tables according to both, but ſeems to prefer Biſhop *Hooper*'s Account to the other.

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	Pints decim.
Λίτ-ης liquid [Λίτ = *a* ,*bok*]	1 ,1483
Λί-τρης dry [Λί = *z* ,*noif*]	0 ,97447
Sextarius liquid [Sext=*á*.,*boulak*]	1 ,19518
Sextarius dry [Sext=*a* ,*zafei*]	1 ,0148
Cab liquid [Cab=*t* ,*iſd*]	3 ,36257
Cab dry [Cab=*e* ,*kop*]	2 ,84731
Log [Log=*z* ,*eif*]	0 ,84065

The Memorial Lines.

Medimn=*oiz-t* Modi=*bau-p* Eph=*ub-ad* Λ=*it* Sextar=*a* Cab=*d-ek*.
Bath=*ſy-bu* Metr=*eid-an* Am=*up-az* Λ=*a-f* Sext=*a-u* Log=*z-do*.
Eph=,*kydoti* Mod=,*elild* Méd=*a* ,*zous* Λι=*z* ,*noif* Cab=*e* ,*kép*que.
Amph=*oi* ,*apad* Bath=*p* ,*laul* Metr=*az* ,*til* Λίτ=*a* ,*bok* Cab=*t* ,*iſd*.

TABLE VII.

WEIGHTS.

N. B. L or Li ſtands for Libra or Pound, Oz for Ounce, Lit Pound T-roy, L-aver Pound Averdupois.

A Pound Troy = 12 Ounces [Lít = Oz*ad*]

An Ounce Troy = { 8 Drams [=Drá*k*] / 24 Scruples [=Scr*ef*] / 20 P-enny Weights [=Pez] / 480 Grains [=Gra*fky*] }

*A Pound Averdupois = { 16 Ounces [=Oz*as*] / 256 Drams [=Dr*els*] }

---

* According to the Proportion laid down by Mr. *Greaves*, *viz.* that the Averdupois Pound is to the Troy Pound as 175 to 144. In Dr. *Arbuthnot*'s Tables it is as 17 to 14, which is a very inconſiderable Difference, being but $4\frac{2}{7}$ Grains leſs in the Pound.

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Lít = Ozad Oz = Drák = Scref = Pex = Grafky Láv=Ozas Láv=Drels]

	Grains Troy.
Pound T-roy [Lit=Grupauz]	5760
Ounce Troy [Oz=oky]	480
Dram [Dr=auz]	60
Penny Weight [Pen=gref]	24
Scruple [Scrup=dy]	20
* Pound Averdupois [Lav=oith]	7000
Ounce Averdupois [OzAv=otoi,l]	437 ,5

Lit=Grupauz Oz=oky Dr=auz Pen=gref Scrup =dy Lav=oithque.

Antient WEIGHTS.

Attick Talent= { 60 M-inas [=Mauz] / 6000 Drachms [=Drauth]

Hebrew Talent= { 3000 Shekels [=Shith] / 60 M-anehs [=Mauz]

Shekel = { 2 Bekahs [=Beke] / 4 Zuzas [=Zuf] / 20 G-erahs [=Gez]

At = Mauz = Drauth; Het = Shith: Het-pond =Mauz Shek=Beke=Zuf=Gez.

Roman *and* Grecian *leſſer Weights.*

Libra = 12 Unciæ [Lib=Una]

Uncia = { 3 Duellæ [=Duels] / 4 Sicilici [=Sicila] / 6 Sextulæ [=Ses] / 8 Drachmæ [=Drak]

Drachma= { 3 Scriptula [=Scripf] / 6 Oboli [=Obs] / 18 Siliquæ [=Silak] / 72 Grana *vel* Lentes [=Groid]

* Mr. *Ward* ſays, that by a very nice Experiment, he found, that one Pound Troy is equal to 14 Ounces 11 Penny-Weight and 15½ Grains Troy, which is 6999½ Grains; differing but half a Grain in the Pound from Mr. *Greaves*. Math. Guide. *Part* I. C. 3.

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Un = Duel*s* = Sicil*o* = Se*s* = Dra*k* : Drach = Scrip*s* = Sil*ak* = Ob*s* = Gr*oid*.

	Grana Σιτάρια
Libra Λίτρα [Lib = gra*fnad*]	6912
Uncia Ουγγία [Unc = *lois*]	576
*Drachma Δραχμη [Drachm = *oid*]	72
Scrupulum Γράμμα [Scrupul = *ef*]	24
Obolus †Ὀβολὸς [Obol = *ad*]	12
Siliqua Κεράτιον [Sil = *f*]	4

Divisio Assis.

	Unc.		*Unc.*
As	12	Semis	6
Deunx	11	Quincunx	5
Dextans	10	Triens	4
Dodrans	9	Quadrans	3
Bes	8	Sextans	2
Septunx	7	Uncia	1

The Memorial Lines.

Lít = Oz*ad* Oz = Drák = Scr*ef* = Pe*x* = Gra*fsky* Láv = oz*as* Lav = dr*els*.

Lit = gr*upaux* Oz = *oky* Dr = *aux* Pen = *gref* Scrup = *dy* Lav = *oith*que.

At = M*aux* = Dr*auth* Am = Dr*ag* Het = Sh*ith* = M*aux* Shek = Bek*e* = Zu*f* = Ge*x*.

Un = Duel*s* = Sicil*o* = Se*s* = Dra*k* : Drach = Scrip*s* = Sil*ak* = Ob*s* = Gr*oid*.

Lib = gra*fnad* Unc = *lois* Drachm = *oid* Scrupul = *ef* Obol = *ad* Sil = *f*.

As = dëu-dex = dod-bes = ſeptún-ſemi = quin-tri-qua ſext-unc.

---

* *N. B.* The *Romans* divided their Ounce into 7 Denarii as well as 8 Drachms; and ſince they reckoned their Denarius equal to the Attick Drachm, this will make the Attick Weights ⅛ heavier than the correſpondent *Roman* Weights.

† The Ὀβολὸς was divided into 6 Χαλκοῖ or *Æreoli*, and the Χαλκὸς into 7 Ασπτ-ά or *Minuta*. [Ob = Χαλς Χαλκ = Ασπτοί.]

The Ημιώβολον, Ημιδραχμον, Διδραχμον, &c. are evident from their Names.

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TABLE VIII.

Antient Weights reduced to Engliſh *Troy Weights.*

	Troy Grains, decim.
ROMAN Ounce [Rom-oz = *fik*]	438 ,00
SHEKEL [Shek = *ebou*]	219 ,00
* ROman D-rachm [ROD = *uf ,pu*]	54 ,75
DENARIUS [Den = *ſe ,loi*]	62 ,57
† A-ttick D-rachm [AD = *ſei ,ſ*]	68 ,4

	lib. oz. p.w. gr.
ROman L-ibra [ROL = *az-an*]	10 19 00
HEBREW M-aneh [HEM = *e-t-oi-be*]	02 03 07 12
HEBREW T-alent [HET = *báſ-yz-al*]	114 00 15 00
‡Ancient ATTICK M-ina [ATM = *a-d-u*]	01 02 05 00
Ancient ATTICK T-alent [ATT = *pa-t*]	71 03 00 00

The Memorial Lines.

Rom-oz = *fik* Shek = *ebou* ROD = *uf ,pu* Den = *ſe ,loi*
AD = *ſei ,ſ.*
HET = *báſ-yz-al* ROL = *az-an* HEM = *e-t-oi-be*
ATM = *a-d-u* ATT = *pa-t.*

---

* So Biſhop *Cumberland* from the Rabbinical Accounts. But Biſhop *Hooper*, from *Philo* and *Joſephus*, makes it equal to the Attick *Stater* or Tetradrachm = 68 ,4 + 4, or 67 + 4 Grains.

† According to the Weight of the Standard Mina of *Solon*. Biſhop *Hooper* ſuppoſes, that whilſt the Money Drachm fell gradually from 68 ,4 to 62 ,57 Grains, the Ponderal Drachm continued ſtill the ſame, which I have therefore here retained. Dr. *Bernard* lays the middle Sort of Attick Drachms at 66 Grains, which (Table I.) are accordingly valued at 8*d* ¼. But the Weight of the Attick Drachm, under the firſt *Roman* Emperors, and for ſome conſiderable Time before, was about 62 ,57 Grains; and upon this Drachm, and the Equality of it with the *Roman* Denarius, moſt of the Computations in Claſſick Authors are founded.

‡ The Common Attick Mina was ſuppoſed equal to 12 ½ *Roman* Ounces. The Mina Medica was 16 *Roman* Ounces, and exactly the Weight of our Averdupois Pound.

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TABLE IX.

Jewiſh *and* Roman *Money, according to Biſhop* Cumberland.

	l.	*s.*	*d.*
HEBREW M-ina [HEM=*p-a-l*]	7	01	05
HEBREW T-alent [HET=*tút-ab-az-h*]	353	11	10$\frac{5}{8}$
Golden DARICK=12 G-erahs [DAR=*Gad=la-do*]	1	00	04
HEBREW T-alent of Gold [HETO=*ufoil ba-p-h*]	5475	11	07$\frac{1}{8}$
SHEKEL [Shek=*sé-do,ro*]		02	04$\frac{1}{2}$
Silver DENARIUS [Den=*doi-t*]		00	07$\frac{1}{2}$
ASSARIUM F-arthing and *half* [Aſſar=*Fab*]			
A QUADRANT $\frac{1}{4}$ of a Farthing [Quád=*iro*]			
A MITE $\frac{1}{8}$ of a F-arthing [Mit=*rir*]			

The Memorial Lines.

HEM=*p-a-l* HET=*tút-ab-az-h* Dar=*Gád*=la-do.
HebTO=*ufoil-ba-p-h.*
Shek=*sé-do,ro* Den=*doi-t* Aſſar=*Fab* Quád=*iro.*
Mit=*rir.*

Decimal

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Decimal Tables for the more eaſy Reduction of ancient Coins, Weights, and Meaſures.

Thoſe who underſtand Decimal Arithmetick will, I hope, excuſe me, if, for the Sake of ſuch as are unacquainted with it, I lay down two or three Obſervations, in order to make the following Tables more generally uſeful:

Firſt, That the Denominator of every Decimal Fraction is an Unit, with as many Cyphers as there are Places of Numbers in the Fraction; thus ,5 ſignifies $\frac{5}{10}$, 05 ſignifies $\frac{5}{100}$, 005 ſignifies $\frac{5}{1000}$, *&c.*

Secondly, That the nine Figures at the left Hand of each of the Tables may ſtand either for Units, or, by the ſuppoſed Addition of one, two, three, or more Cyphers, for Tens, Hundreds, Thouſands, *&c.*

Thirdly, That if the ſaid nine Figures are ſuppoſed to ſtand for one, two, three, four, *&c.* then the Decimals ſtand as in the Table: If for ten, twenty, thirty, forty, *&c.* or for one Hundred, two Hundred, *&c.* then for every ſuch ſuppoſed Addition of a Cypher, one Figure in the Place of Decimals is to be added to the Place of Integers.

Thus, a *Jewiſh* Cubit is equal to 1 *Engliſh* Foot, and 824 Thouſandth Parts of a Foot.

		Feet decim.
1 Cubit	=	1 ,824
10 Cubits	=	18 ,24
100 Cubits	=	182 ,4
1000 Cubits	=	1824

If there are not Places enough of Decimals to anſwer, they muſt be ſupplied with Cyphers:

Thus,		*lib. decim*
1 Attick Talent	=	206 ,25
10 Attick Talents	=	2062 ,5
100 Attick Talents	=	20625
1000 Attick Talents	=	206250 *&c.*

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But as the common Computation in Classick Authors is by Sesterces and Drachms, I shall exemplify more particularly the foregoing Observations in the two Tables drawn up for them.

SESTERCE = 1*d.* 3*f.* $\frac{1}{4}$ in Decimal Fractions of a Pound Sterling = ,00807291667 [Sest=*xykypenassoi*]

A-ttick D-rachm, or Roman Denarius, =7 *d.* 3 *f.* in Decimal Fractions of a Pound Sterling = ,032291667 [AD=*xidenassoi*]

1 Sestertius.	Decem Sestertii or Nummi. Centum Sestertii. Sestertium or 1000 Sestertii. Decem Sestertia or 10000 HS. Centum Sestertia or 100000 HS. Decies Sestertium or 1 Million HS. Centies Sestertium or 10 Millions HS. Millies Sestertium or 100 Millions HS. Decies Millies or 1000 Millions HS. Centies Millies or 10000 Millions HS. Millies Millies or 100000 Millions.
1	,00807291667
2	,01614583333
3	,02421875000
4	,03229166667
5	,04036458333
6	,04843750000
7	,05651041667
8	,06458333333
9	,07265625000

1 Drachm.	10 Drachmæ or 1 Mina. 100 Drachmæ or 10 Minæ. 1 Myriad = (10000 Dr.) or 100 Minæ. 10 Myriads = (100000 Dr.) or 1000 Minæ. 100 Myriads = (1 Million Dr.) or 10000 Minæ 1000 Myriad = (10 Mill. Dr.) or 100000 Min. 10000 Myriads of Drachmæ, or Myr. of Myriads. 10 Myriads of Myriads of Drachmæ.
1	,032291667
2	,064583333
3	,096875000
4	,129166667
5	,161458333
6	,193750000
7	,226041667
8	,258333333
9	,290625000

According to the Observations before laid down, it is evident, that,

	lib.
1 Sestertium, or 1000 HS.	008 ,07291667
2 Sestertia, or 2000 HS.	016 ,14583333
3 Sestertia, or 3000 HS.	024 ,21875

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And ſo down to 9 Seſtertia; the three firſt Figures of the Table being Integers, the reſt Decimals. So,

	lib.
*Decies Seſtertium, or 1 Mill. HS. =	8072 ,91667
Vicies, or 2 Million HS. =	16145 ,83333
Tricies, or 3 Million HS. =	24218 ,75 *&c.*

Hence it appears, that the Value of moſt of the Sums mentioned in Claſſick Authors may be diſcovered from the Tables at firſt Sight; the reſt by the Help only of Addition. Thus,

What is the Value of the Centies Quinquagies H S?

	lib.	*decim.*
Centies HS. =	80729	,1667
Quinquagies =	40364	,5833
Centies Quinquagies	121093	,75

What is the Value of 375 *Attick Drachms?*

300 Drachms	9 ,6875
70 Drachms	2 ,26041667
5 Drachms	0 ,16145833
375 Drachms =	12 ,109375

What is the Value of 51 *Myriads of Drachms?*

50 Myriads =	16145 ,83333
1 Myriad =	322 ,91667
51 Myriads =	16468 ,75

Note. That the Table for Drachms or Denarii, will alſo ſerve for Minæ and for *Aſſes*, remembering that a Denarius is equal to 10 Aſſes, and a Mina to 100 Drachms. Thus,

* With the numeral Adverb *Centena Millia* is always underſtood.

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	lib.	decim.
Æris (sc. Assium) Millia X = 1000 Denarii =	32	,291667
Æris Millia XXV = 2500 Denarii =	80	,72916
Æris Millia LXXV = 7500 Denarii =	242	,1875

I beg the Reader's Pardon if I have been too particular, but was willing to have the Tables perfectly understood: what has been already said will easily be applied to those which follow.

* Attick Drachm = 8 *d.* ¾

	l.	decim.
1		,034375
2		,068750
3		,103125
4		,137500
5		,171875
6		,206250
7		,240625
8		,275000
9		,309375

* Attick Talent = 206 *l.* 5 *s.*

	l.	decim.
1	206	,25
2	412	,50
3	618	,75
4	825	,00
5	1031	,25
6	1237	,50
7	1443	,75
8	1650	,00
9	1856	,25

† Attick Talent = 193 *l.* 15 *s.*

	l.	decim.
1	193	,75
2	387	,50
3	581	,25
4	775	,00
5	968	,75
6	1162	,50
7	1356	,25
8	1550	,00
9	1743	,75

‡ Shekel = 2 *s.* 7 *d.*

	decim.
1	,129166667
2	,258333333
3	,387500000
4	,516666666
5	,645833333
6	,775000000
7	,904166666
8	1 ,033333333
9	1 ,162500000

‡ Hebrew Tal. = 387 *l.* 10 *s.*

	l.	decim.
1	387	,5
2	775	,0
3	1162	,5
4	1550	,0
5	1937	,5
6	2325	,0
7	2712	,5
8	3100	,0
9	3487	,5

Heb. Tal. Gold = 16 Tal. Silver

	l.
1	6200
2	12400
3	18600
4	24800
5	31000
6	37200
7	43400
8	49600
9	55800

* According to Dr. *Bernard.* † According to Dr. *Arbuthnot.*
‡ The Shekel is here valued equal to 4 Attick Drachms, according to *Josephus*; and this Valuation Dr. *Arbuthnot* has followed in his Dissertations, though his Tables are according to Bp. *Cumberland.* The Talent = 3000 Shekels.

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Grecian Digit		Roman Digit		Jewiſh Digit	
	Inch decim.		*Inch decim.*		*Inch decim.*
1	0 ,75546875	1	0 ,72525	1	0 ,912
2	1 ,51093750	2	1 ,45050	2	1 ,824
3	2 ,26640625	3	2 ,17575	3	2 ,736
4	3 ,02187500	4	2 ,90100	4	3 ,648
5	3 ,77734375	5	3 ,62625	5	4 ,560
6	4 ,53281250	6	4 ,35150	6	5 ,472
7	5 ,28828125	7	5 ,07675	7	6 ,384
8	6 ,04375000	8	5 ,80200	8	7 ,296
9	6 ,79921875	9	6 ,52725	9	8 ,208

Grecian Foot		Roman Foot		Jewiſh Cubit	
	Feet decim.		*Feet decim.*		*Feet decim.*
1	1 ,00729	1	0 ,967	1	1 ,824
2	2 ,01458	2	1 ,934	2	3 ,648
3	3 ,02187	3	2 ,901	3	5 ,472
4	4 ,02916	4	3 ,868	4	7 ,296
5	5 ,03645	5	4 ,835	5	9 ,120
6	6 ,04375	6	5 ,802	6	11 ,944
7	7 ,05104	7	6 ,769	7	12 ,768
8	8 ,05833	8	7 ,736	8	14 ,592
9	9 ,06562	9	8 ,703	9	16 ,416

Roman Mile		Jewiſh Mile		Roman Sq. Foot	
	Mile decim.		*Mile decim.*		*Sq. Feet decim.*
1	0 ,915719	1	1 ,3817	1	0 ,935089
2	1 ,831438	2	2 ,7634	2	1 ,870178
3	2 ,747157	3	4 ,1451	3	2 ,805267
4	3 ,662876	4	5 ,5268	4	3 ,740356
5	4 ,578595	5	6 ,9085	5	4 ,675445
6	5 ,494314	6	8 ,2902	6	5 ,610534
7	6 ,410033	7	9 ,6719	7	6 ,545623
8	7 ,325752	8	11 ,0536	8	7 ,480712
9	8 ,241471	9	12 ,4353	9	8 ,415801

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Grecian Squ. Foot		Πλέθρον		Jugerum	
Sq. Feet	*decim.*	*Acre*	*decim.*	*Acre*	*decim.*
1	1 ,0146365	1	0 ,230632	1	0 ,61824
2	2 ,0292730	2	0 ,461264	2	1 ,23648
3	3 ,0439095	3	0 ,691896	3	1 ,85472
4	4 ,0585460	4	0 ,922528	4	2 ,47296
5	5 ,0731825	5	1 ,153160	5	3 ,09120
6	6 ,0878190	6	1 ,383792	6	3 ,71944
7	7 ,1024555	7	1 ,614424	7	4 ,32768
8	8 ,1170920	8	1 ,845056	8	4 ,94592
9	9 ,1317285	9	2 ,075688	9	5 ,56416

Egyptian Ἄρουρα		Ξέστης dry		Sextarius dry	
Acre	*decim.*	*Pint*	*decim.*	*Pint*	*decim.*
1	0 ,763768	1	0 ,97447	1	1 ,0148
2	1 ,527536	2	1 ,94894	2	2 ,0296
3	2 ,291304	3	2 ,92341	3	3 ,0444
4	3 ,055072	4	3 ,89788	4	4 ,0592
5	3 ,818840	5	4 ,87235	5	5 ,0740
6	4 ,582608	6	5 ,84682	6	6 ,0888
7	5 ,346376	7	6 ,82129	7	7 ,1036
8	6 ,110144	8	7 ,79576	8	8 ,1184
9	6 ,873912	9	8 ,77023	9	9 ,1332

Cab dry		Medimn		Modius	
Pint	*decim.*	*Bushel*	*decim.*	*Bushel*	*decim.*
1	3 ,84731	1	1 ,09612	1	0 ,253525
2	7 ,69462	2	2 ,19224	2	0 ,507050
3	11 ,54193	3	3 ,28836	3	0 ,760575
4	15 ,38924	4	4 ,38448	4	1 ,014100
5	19 ,23655	5	5 ,48060	5	1 ,267625
6	23 ,08386	6	6 ,57672	6	1 ,521150
7	26 ,93117	7	7 ,67284	7	1 ,774675
8	30 ,77848	8	8 ,76896	8	2 ,028200
9	34 ,62579	9	9 ,86508	9	2 ,281725

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Ephah		Ἑξέστης liquid		Sextarius liquid	
Buſhel	*decim.*	*Pints*	*decim.*	*Pints*	*decim.*
1	0 ,802433*	1	1 ,1483	1	1, 19518
2	1 ,604867	2	2 ,2966	2	2, 39036
3	2 ,407300	3	3 ,4449	3	3, 58554
4	3 ,209734	4	4 ,5932	4	4, 78072
5	4 ,012168	5	5 ,7415	5	5, 97590
6	4 ,814601	6	6 ,8898	6	7, 17108
7	5 ,617035	7	8 ,0381	7	8, 36626
8	6 ,419469	8	9 ,1864	8	9, 56144
9	7 ,221902	9	10 ,3347	9	10, 75662

Cab liquid		Log		Amphora	
Pints	*decim.*	*Pints*	*decim.*	*Hogsheads*	*decim.*
1	3 ,36257	1	0 ,84064	1	0 ,113821
2	6 ,72514	2	1 ,68128	2	0 ,227642
3	10 ,08771	3	2 ,52192	3	0 ,341463
4	13 ,45028	4	3 ,36256	4	0 ,455284
5	16 ,81285	5	4 ,20320	5	0 ,569105
6	20 ,17542	6	5 ,04384	6	0 ,682926
7	23 ,53799	7	5 ,88448	7	0 ,796747
8	26 ,90056	8	6 ,72512	8	0 ,910568
9	30 ,26313	9	7 ,56576	9	1 ,024389

Metretes		Bath		† Congius	
Hogsheads	*decim.*	*Hogsh.*	*decim.*	*Gall.*	*decim.*
1	0 ,16404	1	0 ,114858	1	0 ,896385
2	0 ,32808	2	0 ,229716	2	1 ,792770
3	0 ,49212	3	0 ,344574	3	2 ,689155
4	0 ,65616	4	0 ,459432	4	3 ,585540
5	0 ,82020	5	0 ,574290	5	4 ,481925
6	0 ,98424	6	0 ,689148	6	5 ,378310
7	1 ,14828	7	0 ,804006	7	6 ,274695
8	1 ,31232	8	0 ,918864	8	7 ,171080
9	1 ,47636	9	1 ,033722	9	8 ,067465

* The exact Fraction is ,802433⅓. In the *Jewiſh* Meaſures I have followed Biſhop *Cumberland*. The Ephah, according to *Joſephus*, = 1 ,0961 Buſhel, and the Cab = 3 ,874 Pints; the Cab liquid = 4 ,5933 Pints, the Log equal to the Attick Ξέστης, and the Bath equal to the Metretes.

† Equal to the Metretes of *Syria*.

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Attick Drachm = 62 ,57 gr.		Shekel = 4 At. Drachms		Attick Drachm = 62 ,57 gr.	
oz.	*decim.*	*oz.*	*decim.*	*Pound Troy*	*decim.*
1	0 ,130215	1	0 ,52086	1	0 ,01085125
2	0 ,260430	2	1 ,04172	2	0 ,02170250
3	0 ,390645	3	1 ,56258	3	0 ,03255375
4	0 ,520860	4	2 ,08344	4	0 ,04340500
5	0 ,651075	5	2 ,60430	5	0 ,05425625
6	0 ,781290	6	3 ,12516	6	0 ,06510750
7	0 ,911505	7	3 ,64602	7	0 ,07595875
8	1 ,041720	8	4 ,16688	8	0 ,08681000
9	1 ,171935	9	4 ,68774	9	0 ,09766125

Shekel = 219 gr. Troy		Shekel = 4 Att. Drachm		Roman Libra	
Po.	*Troy decim.*	*Po.*	*Troy decim.*	*Po.*	*Troy decim.*
1	0 ,03802081/3	1	0 ,043405	1	0 ,9125
2	0 ,07604163/4	1	0 ,086810	2	1 ,8250
3	0 ,1140625	3	0 ,130215	3	2 ,7375
4	0 ,15208331/3	4	0 ,173620	4	3 ,6500
5	0 ,19010411/4	5	0 ,217025	5	4 ,5625
6	0 ,2281250	6	0 ,260430	6	5 ,4750
7	0 ,26614581/3	7	0 ,303835	7	6 ,3875
8	0 ,30416662/3	8	0 ,347240	8	7 ,3000
9	0 ,3421875	9	0 ,390645	9	8 ,2125

MIS-

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MISCELLANEA.

SECTION VI.

The Proportion of the Diameter to the Circumference of a Circle; The Area of a Circle and Ellipsis; The Surface and Solidity of a Sphere.

Diameter : Periphery : : 7 : 22. [Di : peri : : *p* : *ed*] or : : 113 : 355. or more exactly the Diameter : Periphery : : 10.000,000 : 31.415,929.

Di : peri : : *p* : *ed* : : *bat* : *ilu* : Dia : priph : : *azmíl* : *ta-fal-oydou.*

According to *Van Ceulen*, who carried the Proportion to six and thirty Figures, which, in Memory of so laborious a Work, were engraven upon his Tomb at St. *Peter's* in *Leyden*; the Diameter : Periphery : : 2 :

Quintil. Quadr. Tril. Bil. Mil. Un
6,28,318.530,717.958,647.692,528.676,655.930,576
s ,ektak uïz-pap nuk-sop sne-lek aups-sul ouïz-lois

The Diameter multiplied by 3 ,1416 gives the Periphery [Diper*i* ,*bobs* dat priph], consequently the Periphery divided by 3 ,1416 gives the Diameter.

The Area of a Circle is given by multiplying the Square of the Diameter into 0 ,7854.

Datur Area SquaD per *y,peilo.*

The Area likewise is given by multiplying the fourth Part of the Diameter into the Periphery. [Ar=$\overline{rodi \div 4}$ pe]

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The AREA of an ELLIPSIS is given by multiplying the Rectangle of the TRANSVERSE and CONJUGATE DIAMETERS into 0 ,7854.

Area fit Ellips. Dia-tran-con duct. in *y,peilo.*

The SURFACE of a Sphere is given by multiplying the PERIPHERY into the DIAMETER [Surf=$\overline{pe + D}$]

The SURFACE of a Sphere is also given by multiplying the AREA of its largest Circle into 4. [Surf=$\overline{are + o}$]

The SOLIDITY of a SPHERE is given by multiplying $\frac{1}{3}$ of the RADIUS into the SURFACE. [Sol-sphe=$\overline{yrad + sur}$]

The Memorial Lines.

Di : peri : : *p* : *ed* : : *bat* : *ilu.* Dia ; priph : : *azmil* : *ta-fal-oudou.*

: *s,ektak uix-pap nuk-sop sne-lek aup-sul ouix-leis.*

Diper*i,bobs* dat Priph. datur Area squad per *y,peilo.*

Area fit Ellips. Dia-tran-con duct. in *y,peilo.*

Ar = $\overline{,rodi + pe}$ Surf = $\overline{pe + D}$ Surf = $\overline{are + o}$ Sol-sphe = $\overline{yrirad + sur}$.

The Quantity of Vapours raised out of the Sea, estimated by Dr. Halley. *Vide* Miscellanea Curiosa, *Vol.* I.

The MEDITERRANEAN, supposed to be equal to 160 Square DEGREES, is computed to yield in Vapour, *per Diem*, 5280 MILLIONS of T-ons [Med = *dégbaux* = *lékymilt*)

The THAMES is computed to carry down in a Day, *sc.* 24 Hours, into the Sea 20.300,000 TONS [Tham=*ez-igthton*]

The Rivers (FLUVII) which run into the MEDITERRANEAN, are computed to carry 1827.000,000 Tons, which is little more than $\frac{1}{3}$ of what is raised in Vapour [Fluv-med = *aképmilt*]

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The Computations are made thus:

By Experiment it appears, that each SQUARE Foot of the Surface of Water yields in Vapour, *per Diem*, HALF a PINT (SQUAR=ha-pin).

Each Space of four Foot Square (=16 SQUARE Feet) yields a GALLON [*as*ſquar=gal]

A MILE Square 6914 TONS [Mil*ſnaſ*ton]

A Square DEGREE (of 69 *Engliſh* Miles) 33,000,000 Tons [Dég (mi*ſou*) *tim*ton]

The *Mediterranean* = 160 Degrees = 5280.000,000 Tons as above

SQUAR = ha-pin *as*ſquar = gal Mil = *ſnaſ*ton Dég (mi*ſou*) *tim*ton.

The Quantity of Water the Mediterranean *receives from the Rivers that fall into it, is eſtimated thus:*

The moſt conſiderable Rivers that run into the *Mediterranean* are the EBRO, the RHONE, the TIBER, the PO, the NILE, the DON or *Tanais*, the NIESTER, the NIEPER or *Boryſthenes*. Each of theſe is ſuppoſed to carry down ten Times as much Water as the *Thames*: Not that any of them is ſo great, but ſo to allow for the ſmall Rivers that run into that Sea. Now the Water of the THAMES being computed at about 20.300,000 Tons as above, the nine Rivers aforeſaid each will amount to 203.000,000; in all, 1827.000,000 T-ons.

Thám = *ex-igth*T Ib-rho-ti-po Nil-don Nieſt-nieper-*akep*milT.

The Water of the Thames *is computed thus:*

It is ſuppoſed to run at *Kingſton* Bridge, where the Tide reaches not, at the rate of two Miles an Hour, which is 48 Miles in 24 Hours; 48 MILES are equal to 84,480 YARDS. [Mi*ſk*=Ya*ko-ſeiz*], which being multiplied by 300 YARDS, (the PROFILE of Water at

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Kingston Bridge, where it is supposed to be 100 Yards broad and 3 deep) produces 25.344,000 Cubick Y-ards of Water [Ya*ko-feiz* per *ig*=Yél-*tfoth*], which are equal to 20.300,000 Tons [=*ez-igth*ton]

Mi*fk*=Yá*ko-feiz* (Kin-pr*ig*) Ya*ko-feiz* per *ig*=Yél-*tfoth*=*ez-igth*ton.

The Velocity of Sound, Light, &c.

A Cannon Bullet. (Globus tormento bellico emissus) in a Second, moves 204 Yards [In-sec Glob-yar*ezo*]

Light (Lumen) in a Second moves 200,000 Miles [Lu-mil*egth*]

Sound (Sonus) moves in a Second 1142 Feet (Pedes) [Son-ped-movet*abfe*]

A Cannon Bullet moves a M-ile in 17 half Seconds [Glob-m-*áp*ha-sec]

Sound moves a Mile in 9 half Seconds $\frac{1}{4}$. [Son*n,ro*]

A Cannon Bullet would be in moving to the Sun (Ad Solem) 32 Years $\frac{1}{2}$. [Ad-sol-glob=án-*te,re*]

Sound would be in moving to the Sun 17 Years. [Son*ap*]

The Descent of heavy Bodies [Descensus gravium) is 16 F-eet $\frac{1}{12}$, or an Inch, in a Second [Des-gravi-sec=F*as,rad*] And in more Seconds as the Squares of those Times.

A Pendulum of 39 Inches, 2 Tenths (Pendulum In*tou,d*) Oscillates or Vibrates Seconds. [Oscil-sec Pendulum In*tou,d*]

In-sec Glob-yar*ezo* Lu-mil*egth* Son-ped-movet*abfe*. Glob-m-*áp*ha-sec Son*n,ro* Ad-sol-glob=án*te,re* Son*ap*. Des-gravi-sec=F*as,rad* Oscil-sec Pendulum In*tou,d*.

The JEWISH Months.

Nisan or Abib *March

* *i.e.* Part of *March* and Part of *April*, and so of the rest.

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Zif or J-air	*April*
Sivan	*May*
Thamux	*June*
Ab	*July*
Elul	*Auguſt*
Tizri or Ethenim	*September*
Bul or M-ercheſvan	*October*
Chisleu	*November*
Thebeth	*December*
Shébeth	*January*
Adar or Veadar	*February*

Nis-Abi*mar* Zif-*jap* Si*ma* Thám*jun* Ab*jul* Elúl*aug.* Tizr-Ethe*ſep* Bul-*moc* Chiſleu*N* The*de* Sheb*jan* & Ad*feb.*

The GRECIAN Months.

ΕΚατομβαιὼν	*June*
ΜΕΤΑΓΕΙτνιὼν	*July*
ΒΟΗΔΡομιὼν	*Auguſt*
ΜΑΙμακτηριὼν	*September*
ΠΥΑΝεψιὼν	*October*
ΠΟΣειδεὼν	*November*
ΓΑΜηλιὼν	*December*
ΑΝΘΕΣτηριὼν	*January*
ΕΛΑΦηβολιὼν	*February*
ΜΟΥνυχιὼν	*March*
ΘΑΡΓΗΛιὼν	*April*
ΣΚΙΡροφοριὼν	*May*

Hec*ju* Metageí*jul* Boedr*aug* MaiS Púan*O* Poſ*nov.* Gam*decem* Anthes*jan* Ela*feb* Mou*M* Thargel*A* Skir*ma.*

Note. That the *Athenians* began their Year from the New Moon, whoſe full was next after the Summer Soltice, which was at firſt reckoned to be upon the 8th of *July*, after on the 27th of *June*. *Vid.* Bev. *Chron. Inſtit.* Lib. I. *Cap.* 12.

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Jewiſh *and* Chriſtian *Æra of the Creation.*

Both *Jewiſh* and *Chriſtian* Writers make Uſe of the Æra of the Creation of the World; but there is great Variety of Opinions concerning the Number of Years between that and the Birth of *Chriſt*. That which is moſt generally received is, that the firſt Year of the Vulgar *Chriſtian* Æra commences from the Day of his Circumciſion, *viz.* the Firſt of *January*, in the Year of the World 4004, and of the *Julian* Period 4714. The *Jews* place the Creation of the World *later* by about 243 Years, and the *Greek* Hiſtorians, upon the Authority of the Septuagint, *ſooner* by about 1490 or 1500 Years; ſo that,

Oct. 7. *Aug.* 27. *Sept.* 1. } of the Firſt Year of the *Chriſtian* Æra } began { the 3762 Year of the *Jewiſh* Æra / the 5494 of the Greek Eccleſiaſtical Æra / the 5509 of the Greek Civil Æra.

Chriſt = mund*othf* Jud = *ipaud* Grec-Ecc = *lonſ* Grec-Civil = *ulneu*.

*The *Days of the Month on which the other noted Epochas began.*

			Bef. Chr.
The Deſtruction of Troy	*June*	16.	1183
† The Firſt Olympiad	*June*	19.	776
The Building of ROme	*April*	21.	753
‡ Æra of Nabonaſſar	*Feb.*	26.	747

* For the Years, *Vide* Page 7.

† The laſt Day of the Olympick Games was upon the Full Moon immediately after the Summer Solſtice.

‡ The *Nubonaſſarean* Years, not admitting any Intercalary Day, began, after every four Years, a Day ſooner, and in 1461 Years *(boſa)* went back throughout the whole *Julian* Year, and began on the ſame Day again.

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The PHILippick Æra	*Nov.* 12.		324
Æra of CONTRACTS	*Oct.* 1.		312
			An. Dom.
* The Diocletian Æra	*Aug.* 29.		284
The MAHOMETAN Æra	*July* 16.		622
The Æra of YEZDEGIRD	*June* 16.		632

Mund = *Octoi* Oly-*jan* Phil-*nad* Nab-*fes* *(bosa)* Ro-*pda*.
Yez-Troy-*jas* Maho-*las* Dio-*gen* Vict-Act*a*-*se* Con-*ta*.

† *The specifick Gravities of some Metals, and other Bodies.*

A Cubick Inch of

	Ounces Troy decim.	
‡ Fine Gold [Aur=*az,iloud*]	= 10	,359273
Fine Silver [Arg=*l,eil*]	5	,850035
	Ounce Averd.	*decim.*
Lead [Plumb=*s,lutkul*]	6	,553855
Common Iron [Fer=*f,oden*]	4	,422979
Fine Marble [Mar=*b,laukk*]	1	,568859
Common Glass [Vitru=*b,oniz*]	1	,493037
Com. clear Water [Aqua=*loikfoup*]	1	,578697
Sound dry Oak [Robo=*lisflaun*]		,536569
Oil Olive [Ol-Ole=*lektuz*]		,528350

Aur = *az,iloud* Arg = *l,eil* Plum = *s,lutkul* Fer = *f,oden* Mar = *b,laukk*.
Vitru = *b,oniz* Aqua = *loiks* Robo = *lisflaun* Ol-Ole = *lektuz*.

Numerus Dignitatum, &c. Tempore Camdeni.

‖ Sunt in Anglia DECANATUS 26, ARCHIdiaconatus 60, Dignitates & PRAEBendæ 544, Ecclesiæ-

* Before this, there was in use the Æra of the Actium Victory, from the Conquest of *Egypt*, and the Reduction of *Alexandria* by *Octavianus*. Ant. Chr. 31. S-ept 2. [Vict-Act*a*-Se]

† Vid. *Ward's Math. Guide*, Part I. *Cap.* 10.

‡ The Beginning of the *Technical* Words is from the *Latin* Word for each.

‖ *Camdeni Britannia*. Edit. *Jans.* p. 67.

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Parochiales 9284 e quibus 3845 sunt Appropriatæ. In Libro tamen Thomæ Wolsæi Cardinalis descripto 1520, per Comitatus numerantur Ecclesiæ 9407.

Sunt Decan*es* Archd*aux* Præbl*of* Paroch*oudeif* Appri*kfu*.

The Temple of the Eight Winds, mentioned in Dr. Potter's Archæologia.

Εὖρος	Eurus	S-outh E-ast.
Ἀπηλιώτης	Subsolanus	E-ast.
Καικίας	Caecias	N-orth E-ast.
Βορέας	Boreas	N-orth.
Σκίρων	Corus	N-orth W-est.
Ζέφυρος	Occidens	W-est.
Νότος	Notus	S-outh.
Λίψ	Africus	South W-est.

Cæci=NE Σκι-Cor=NoW. Eû=SE. A-Af=SoW. Bór=N. Απ=E. Not} Z=Oc.

According to Aulus Gellius, *the Winds are thus distinguished.*

Septentrio	Ἀπαρκτίας	North.
Eurus	Subsolanus	East.
Auster	Notus	South.
Favonius	Zephyrus	West.
Boreas	Aquilo	North West.
Vulturnus	Euronotus	South East.
Caurus	Ἀργέστης	North West.
Africus	Libs	South West.

ROMAN Militia.

A Legion	=	10 COhorts.
A Cohort	=	3 Manipuli.
A Manipulus	=	2 Ordines.
A Turma	=	3 Decurios.

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10 T-urmæ were the *Juſtus Equitatus*, or Horſe belonging to a Legion.

Legí = co*az* Coho = man*t* Manip = or*d* Turm = décur*i* T*az*-le.

ROMAN Law.

Primus fundus Juriſprudentiæ Romanæ, Legum Regiarum fragmenta, (quæ a Sexto Papirio olim in unum corpus collecta fuerant) ſc. trium Regum ROmuli, Numæ & Servii Tullii; Secundus, leges 12 Tabularum; Tertius, Edictum Perpetuum quod (Adriani Imp. Authoritate) a Salvio Juliano conditum atque in titulos digeſtum.

Codex Juſtinianus compoſitus ex Codicibus Gregoriano, Hermogeniano atque Theodoſiano, novelliſque poſt eos poſitis conſtitutionibus.

Gregorianus & Hermogenianus nominantur ab Authore. Prior Codex ab A-driano ad Valerium latas leges continebat, ſecundus a Claudio ad Diocletianum; Theodoſianus leges Conſtantini ad Theodoſium. Novellæ a Theodoſii temporibus ad Juſtinianum.

Leg-reg (Pap) Ró-nu-ſerv: Tabul*ad:* Ed-perp (Adri) Salv-Jul.
Greg = A-Val Herm = Clau-Di Theo = Conſt-The Nov = Theo-Juſtin.

The firſt Code of *Juſtinian* was publiſhed *Anno* 529, the Digeſts *Anno* 531, the Institute *An.* 533, the Second COde *Anno* 534, the Novells from the Year 535 to 558.

Cod-pri*len* Dig*lib* Inſt*lit* Co-ſe*lif* Nove*lil-luk*.

The

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The BISHOPS * *who refused their Assent to the* Ὁμοούσιον.

Eusebius, Bishop of Nicomedia.
Theognis, Bishop of Nice.
Maris, Bishop of Chalcedon.
Theonas, Bishop of Marmarica.
Secundus, Bishop of Ptolemais.

Eu-Nico Theog-Ni Mar-Chal Sec-Ptol Theo-Marmar.

The Ten PERsecutions *under*

Nero, DOmitian, Nerva, Antoninus Pius, Severus, Maximin, Decius, Valerian, Aurelian, Dioclesian.

PERS = Ne-Do-Nerv Ant-Pi Sev-Max-De-Val Aure-Diocles.

The Electors of GERMANY.

The Archbishops of Mentz, Triers and COlogn, Elector Palatine of the Rhine, the King of Bohemia, the Electors of Bavaria, Saxony, Brandenburg: The Elector of Hanover was added, *Anno Dom.* 1693.

Men-Trí-Co-Rhin Bohe-Bav Sax-Branden. Hanover ad *sout.*

The Quinquarticular Controversy, concerning,

1. Predestination. 2. Free-Will (Libfrum Arbitrium.) 3. The Force of Divine Assistance

* Ταύτην την πίστιν τριακόσιοι μὲν πρὸς τοὺς δεκαοκτὼ, ἔγνωσάν τε καὶ ἔστερξαν· καὶ ὡς φησὶν ὁ Εὐσέβιος, ὁμοφωνήσαντες καὶ ὁμοδοξήσαντες ἔγραφον· πέντε δὲ μόνοι ὑπροσεδέξαντο, τῆς λέξεως τοῦ ὁμοουσίου ἐπιλαβόμενοι. Εὐσέβιος ὁ νικομεδείας, &c. Socrat. Hist. Eccl. *Lib.* I. *Cap.* 8.

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(AUXILIUM.) 4. PERSEVERANCE. 5. The Extent of REDEMPTION.

The *Calvinian* Doctrine upon theſe Points, handed from *Geneva* by the *Engliſh* Refugees, and propagated by CARTWRIGHT in the *Margaret* Profeſſor's Chair at *Cambridge*, was, at a Conſultation of ſeveral Prelates and Divines at *Lambeth*, digeſted into nine Articles, commonly called the LAMBETH ARTICLES, and agreed upon N-ov. 10. 1595. [*Naz-aloul*] but by Order of Queen *Elizabeth* were immediately recalled and ſuppreſſed.

Lamb-Art = Cart *Naz-aloul* Predés-Liber-Auxili-Pers-Red.

The ſeven Precepts of the Sons of Noah *are recorded by the* Jewiſh *Doctors under the following Titles.*

I. To worſhip the true God. [CULTUS *divinus*]
II. To renounce IDOLATRY.
III. To commit no Murder. [CAEDES]
IV. Not to be defiled with Fornication, *&c.* [STUPRUM]
V. To avoid all Rapine, Theft, *&c.* [FURTUM]
VI. To adminiſter Juſtice [JUSTITIA]
VII. Not to eat the Fleſh with the Blood [SANGUIS]

Such Gentiles as were admitted to the Worſhip of the God of *Iſrael*, and the Hope of a Future Life, but were not circumciſed, nor yet conformed to the Moſaical Rites, being only obliged to the Obſervation of the foregoing Precepts, were called Proſelytes of the Gates, in Oppoſition to the Proſelytes of Righteouſneſs, or of the Covenant, who differed nothing from the *Jews*, but that they were of *Gentile* Race. *Vid.* Lewis *Heb. Antiq.*

Sept-Præcept = Cul-Idol-Cæd-Stup-Furt-Juſtiti-Sanguis.

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MISNAH, GEMARAH, TALMUD.

The MISNAH in 6 B-ooks [Miſna-BS] contained 63 TRACTS [Tr*aut*] into which the Traditions or Oral Law of the *Jews* were methodically digeſted by *Rabbi Judah* HAKKADOſh in the Time of ANtoninus P-ius [Hakad-AnP] As ſoon as it was publiſhed, it became the Subject of the Study of all their learned Men, and the chiefeſt of them both in *Judæa* and *Babylonia* employed themſelves to make Comments upon it; and theſe, with the *Miſnah*, make up both their *Talmuds*, i. e. the *Jeruſalem Talmud*, and the *Babyloniſh Talmud*. Theſe Comments are called the GEMArah or Complement, the MISnah the Text; both together the TALmud [Tal=Miſ-Gema] The JERuſalem TALmud was compleated about *A. D.* 300. [Tál-Jer*ig*] The B-abyloniſh TALmud about 500, or in the Beginning of the Sixth Century [Tal-B*ug*] This latter is only in Eſteem amongſt the *Jews*. *Vid.* prid. *Connect.* p. 328.

Miſna-BS Tr*aut* Hakad-AnP Tal=Míſ-Gema Tâl-jer*ig* Tal-B*ug*.

Characteres Arithmetici GRÆCI & HEBRAICI.

Ab-βé-γi-δo εu-ϛau ζoi-ηk-θou-ια κêz-λi-μo νu-ξau.
Op-πei λou ϱá-σe-τi υf-φu-χau ψoi-ωμei ταιou.

א*b*-בé-נi-ר*o* הu-ו*au* זoi תk טϱu י*a* כez-לi-מ*o* נu-ס*au*.
ע*p*-פ*ei* צ*on* ק*a*-ר*e*-שi ת*f*-ך*u*-ם*au* ן*oi*que ף*ei* ץ*ou*.

The Decads and Hundreds will be eaſily diſtinguiſhed from each other, and therefore only the firſt figure is added, as ל*i* ſc. ל = 3 i. e. 30. ו*e* ſc. ר = *ê* i. e. 200. Pronounce ל*ou* kop*ou*, *ταιou* Sanp*ou*, ת*f* Thau*f*, ץ*ou* tſad*ou*.

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The Ages of Chriſtianity as diſtinguiſhed by Dr. Cave, *according to what was moſt remarkable in each Century.*

Cent.	I. Sæculum	Apoſtolicum
Cent.	II. Sæculum	G-noſticum
Cent.	III. Sæculum	Novatianum
Cent.	IV. Sæculum	Arianum
Cent.	V. Sæculum	Neſtorianum
Cent.	VI. Sæculum	Eutychicum
Cent.	VII. Sæculum	Monotheliticum
Cent.	VIII. Sæculum	Eiconiclaſticum
Cent.	IX. Sæculum	Photianum
Cent.	X. Sæculum	Obſcurum
Cent.	XI. Sæculum	Hildebrandinum
Cent.	XII. Sæculum	Waldenſe
Cent.	XIII. Sæculum	Scholaſticum
Cent.	XIV. Sæculum	Wicklevianum
Cent.	XV. Sæculum	Synodale
Cent.	XVI. Sæculum	R-eformatum

Ap-G-Nov Ari-Neſt-Eut Monoth-Eíc-Phot-Ob Híl-Wa-Scho Wick-Sy-R.

The Diviſion of the Roman *Empire out of the Book called* Notitia Imperii, *ſaid to be written about the Time of* Arcadius *and* Honorius.

The whole Empire was divided into 13 Dioceſes under 4 Praefecti Prætorio, and about 120 Provinces contained in them. [Præ*f*=di*bi*=pra*dæ*]

1. The *Præfectus Prætorio* Orientis, and under him five Dioceſes, *viz.* the Oriental, E-gyptian, A-ſiatick, POntick, and Thracian Dioceſes. [O E-As-Po-Th]

2. The *Præfectus Prætorio* of Illyricum, and

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under him two Dioceſes, *viz.* Macedonia and D-acia. [Ill=Ma-D]

3. The *Præfectus Prætorio* of Italy, and under him three Dioceſes, *viz.* Italy, Illyricum, and Africa. [It=It-Il-Af]

4. The *Præfectus Prætorio G-alliarum*, and under him three Dioceſes, *viz.* Hispania, Gallia, and B-ritannia. [*G*=His-Ga-B]

Præf = Dibi = Prædx Ill = Ma-D Or = E-As-Po-Th It=It-Il-Af G=His-Ga-B.

The Dimenſions of the Ark and Temple.

The Length (LOngitudo) of the Ark 300 Cubits. [Ark-lo-cub*ig*] The Breadth 50 Cubits. The Height (Altitudo) 30 Cubits. [Brux-Al*iz*]

The Length of the Houſe which K. *Solomon* built for the Lord was 60 Cubits: The Breadth thereof 20 Cubits, and the Height thereof 30 Cubits, 1 *Kings* vi. 2. [Tem-Lón*ſy*-Brez-Al*ty*] The Length of the Porch 20 Cubits, the Height thereof 120 Cubits, 2 *Chron.* iii. 4. [Por*ez-bez*]

Ark-Lo-cub*ig*-Brux-Al*iz*. Tem-Lón*ſy*-Brez-Al*ty* Por*ez-bez*.

Computation of the Coſt, Veſſels, Veſtments &c. *of* Solomon's *Temple.*

By *Villalpandus*' Computation of the Number of Talents of Gold, Silver and Braſs, laid out upon the Temple, the Sum amounts to 6904,822,500 *l.* Sterling. [Tal-tem = *ſouzo-ked-ug*] And the Jewels are reckoned to exceed this Sum.

Veſſels of Gold (Vasa Aurea) conſecrated to the Uſe of the Temple, are reckoned by *Joſephus* 140,000. [Vaſ-aurea*bázth*] Which, according to *Cappel*'s Reduction of the Tables contained in them, amounts to 545.296,203 Pounds Sterling. [*lal-enáu-dyt*]

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The Veſſels of Silver (Vasa Argentea) 1.340,000 [Vas-âra*tozth*] are computed at 439.344,000. [*fin-toſth*]

Prieſts Veſtments of Silk (Vestes Sericæ) 10000. [Veſt-ſeric*azth*]

P-urple Veſtments for Singers 2.000,000. [P*em*] Trumpets 200,000 [Tr*egth*] Other Muſical Instruments 40,000. [Inſtr*oz*]

Beſides theſe Charges there was that of the other Materials, and of 10,000 Men *per* Month in *Lebanon* to hew down Timber (Sylvicidæ) [Sylvîcid*az*] To carry Burthens (Vectores) 70,000. [Veſt*oiz*] To hew Stones (Lapicidinæ) 80,000. [Lapi*ky*] and 3300 Overſeers (Episcopi) [Epiſcop*tig*] who were all employed for 7 Years (Annis Septem) To whom, beſides their Wages and Diet, *Solomon* gave a free Gift 6.733,977 Pounds. (Donum Solomonis) [*s-paut-noip*] The Treaſure left by *David* towards carrying on this Work (reliquit David) 911.416,207. [*nab-oâs-dyp*]

N. B. th is left out, as Sylvicid*az* for Sylvicid*azth*, &c. it being impoſſible to miſtake 10,000 for 10.

Tal-tem = *ſouzo-ked-ug* Vas-aurea*bézth* = *lol-enaudyt*.

Vas-ar*atozth* = *fin-toſth* Tr*eg* Inſtr*oz* Veſt-ſeric*áz* P*em*.

An-ſept Sylvicid*az* Lapi*ky* Veſt*oiz* Epiſcop*tig*.

Don Solomo *s-paut-noip* reliquit Dav-*nab-cás-dyp*.

The Number of thoſe that returned (Reduces) from the Captivity were 42,360 Redú*ſe-tauz*] beſides Proselytes 7337. [Proſel*oitip*]

The particular Sums in EZra's Catalogue amount to 29,828. [Cat-*ézdou-kek*]

The particular Sums in Nehemiah's Catalogue 31,031. [Cat-nehe*tazib*] How theſe Accounts are reconciled, *Vide* the Index to the Bible.

Redu*ſe-tauz* Proſel*oitip* Cat-*ézdou-kek* Cat-nehe*tazib*.

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The SILVER of them that were numbered of the CONGREGATIONS was a Hundred TALENTS and a Thousand seven Hundred and threescore and fifteen SHEKELS after the Shekel of the Sanctuary, a BEKAH for every Man, that is, half a Shekel after the Shekel of the Sanctuary, for every one that went to be numbered from twenty Years old and upwards for six Hundred Thousand and three Thousand and five Hundred and fifty Men. *Exod.* xxviii. 25, 26.

Sil-Con = Tal*g*-Shé*kapoil* Bek*fyt-luz* = Shekel*izappu*.

Difference of Talents.

	Attick Minas.	*At. Drachms*
A SYRIAN TALENT contained	15	1500
A PTOLEMAIC Talent	20	2000
† An EUBOICK Talent	60	6000
An ALEXANDRIAN Talent	120	12000
An ANTIOCHIAN Talent	60	6000
A larger ATTICK Talent	80	8000
A BABYLONISH Talent	70	7000
An ÆGINEAN Talent	100	10000
† A RHODIAN Talent	100	10000
A TYRIAN Talent	80	8000
An ÆGYPTIAN Talent	80	8000

Tal-Sal = M*al* Ptolem = *ez* Eub = *auz* Alexan = *bez* & Ant = *auz*.

Att-Maj = *eiz* Babyl = *oiz* Ægin = *ag* Rh = *ag* Tyr-Ægypt = *eiz*.

I shall conclude with two Lines, just to shew how by this Method may be remembered the Year and Chapter of any particular Statute. Those to whom a Hint of this Nature may perhaps be thought useful,

† According to some, the *Rhodian* Talent contained but 4500 Attick Drachms, and the *Euboick* but 4000. *Vid.* Brerewood *de Ponderibus & Pretiis.* Cap. 9

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are beſt capable of applying and improving it as they ſhall ſee Occaſion.

An Act for Prevention of FRAUDS and Perjuries, 29 CAROL. II. c. 3. [Fraud-Carol*en-t*]

An Act againſt Abuſes in Preſentation to Benefices (SIMONY) 31 ELIZ. c. 6. [Sim-El*ib-s*]

The Bill for Firſt Fruits (PRIMITIÆ) 26 H-en. VIII. c. 3. [Primit-H*es-t*]

An Act for the Diſſolution of the MONASTERIES. The leſſer 27 H. VIII. c. 28. The greater 31 H. VIII. c. 11. } [Monaſt-H*ep-ek.ib-ba*]

Fraud-Carol*en-t* Sim-El*ib-s* Primit-H*es-t* Monaſt-H*ep-ek.ib-ba.*

To remember the ſeveral Statutes relating to the ſame Subject muſt needs be more difficult, as there is but one leading Syllable for the whole Line; but may be done in the following Manner.

Some of the principal Acts which relate to the Poor (PAUPERES) are 43 ELIZ. c. 2. 13, 14 Car. II. c. 12. 3, 4 WILLIAM and M-ary, c. 81. 8, 9 WILL. III. c. 30. 9, 10 WILL. III. c. 11. 12 ANN. c. 18.

Paup-El*ot.e* Car*at,ad* Wi-M*t,eib* Wil*k,iz.n,ab.* An*ad-bei.*

FINIS.

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I have marked all that appears to me most important in the Memorial lines under Grey's 5 General Heads; viz;

Under Chronology and History I have marked 138 lines. Under Geography 121. Weights, Monies, & Measures, 34. Astronomy, 21. Miscellany, 19.

Under Chronology & History, what is marked with double parenthases, appears less important than ordinary, & may therefore at first be omitted.

Under the Astronomical part I have omitted what relates to the distances and magnitudes of the heavenly bodies, as not conformable to the most modern calculations.

Of Ancient Geography no more is marked than its conformity to modern.

Under Weights, Monies, & Measures, no more is marked than those parts which are expressed by their equivalents in the English denominations.

Note that there is a disagreement between tables t. & q. under "Pondera" &c.

Thus, according to table t. a Hebrew Talent of Gold is equal to £. 7200; but, according to table q. its value is but £. 5475. 11. 7½.

J. March 29. 1811.

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THE USE OF THE INDEX.

THE following Index may be useful in two Respects; either as it will serve to try the Proficiency of the Learner, who may exercise himself in Resolving and Explaining the Memorial Words, thus separated from their proper Classes, and intermingled with each other; (which will, at the same Time, be a Means to fix them the better in his Memory:) or, as it may be to those who are a little acquainted with the Art, but have not charged their Memories with the Technical *Lines, a* ready Help *to answer many Questions in Chronology, Geography, History, &c. without the Trouble of searching for them in the Tables. To make which the easier in the Historical and Chronological Part, it was thought proper to add a Letter or two at the End of each Word; by the Help of which, and the Beginning of the Words together, any one, who is but tolerably acquainted with History, and is Master of the General Key, will readily know what the Words stand for. The Abbreviations are as follow.*

AB. Archbishop of *Canterbury.*
Ær. Æra or Epocha.
B. Battle.
C. Council.
Ep. Epistle, *i. e.* the Time of Writing it.
Ev. Evangelist.
E R Emperor of *Rome.*
E E Emp. of the East.
E W. Emp. of the West.
F. Father.
H. Heretick, Schismatick, *&c.*

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The USE of the INDEX.

H P. High Prieſt.
J. Judge of *Iſrael.*
K. King.
K Aſſ. King of *Aſſyria.*
K B. King of *Babylon.*
K E. King of *England.*
K Eg. King of *Egypt.*
K Ju. King of *Judah.*
K Is. King of *Iſrael.*
K M. King of *Media.*
K Ma. King of *Macedon.*
K P. King of *Perſia.*
K R. King of *Rome.*
K S. King of *Syria.*
L. Learned Man, Author, *&c.*
Leg. Legate.
Mart. Martyr.
P. Pope.
Pa. Patriarch.
Po. Poet.
Pr. Prophet.
Q. Queen.
W. War.
= different Names of the ſame Perſon.

Theſe Words which have no Letter at the End of them, denote ſome Fact in Hiſtory; as Abaneb, *the Calling of* Abraham.

The Italick Letters repreſent the Year before or after Chriſt. The Small Capitals M *and* P *in the middle of a Word denote the Year of the World, or of the* Julian *Period, as* TroyPilta, &c.

Be careful to give the right Pronunciation; and note, that the Accent, unleſs where otherwiſe marked, or when the Penultima is long by Poſition, is always on the Antepenultima.

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* This and ſome other Words in the *Memorial Lines* are mor[e] contracted, as Abimets.

† *Anno Mundi.*

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The Conſtruction and Uſe of the GEOGRAPHICAL WORDS.

OF Words conſiſting of two Parts in the ſame Character, joined with an Hyphen, the firſt Part denotes a City, Town, &c. in a Kingdom, Region, or Province denoted by the latter: The Words in Italick *Letters ſignifying Places in Antient Geography; the Words in* Roman *Letters, Places in Modern Geography. Thus, Abdér-thra. Abdera, a Town in ancient Thrace.* Aginc-art. Agincourt *in* Artois.

Words in a Parentheſis denote that the Place repreſented by the firſt Syllable, or Syllables, is one of thoſe repreſented by the latter, as (Antig-lee) Antigua, *one of the* Leeward *Iſlands,* (Cub-ant) Cuba, *one of the* Antilles.

The Letters N. E. S. W. *following a Word denote the Situation of a Place; as,* Antill-luc S. *the* Antilles *Iſlands, South of the* Lucayos; Madéir-barb W. Madeira *Iſles, Weſt of* Barbary.

The Letters G. S. *denote Sacred Geography.*

Italicks joined with an Hyphen denote the Latitude and Longitude of a Place; as, Agrek-oit, *the Latitude of* Agra 28 *Deg. the Longitude* 73.

Italicks *joined with a Comma denote the Proportion of the Kingdom, &c. to* Great Britain; *as,* Germt, *ut.* Germany *to* Great Britain *as* 3 ,53 *to* 1.

Italicks *joined without an Hyphen denote the Diſtance from* London *or* Jeruſalem; *as,* Par*del ſc.* Paris *from* London *about* 225 *Miles.* Antioch*ig,* Antioch *from* Jeruſalem *about* 300 *Miles.*

Syllables joined with this Mark = *denote correſpondent Places of Antient and Preſent Geography; as, Ach* = livad, *the antient Achaia the preſent* Livadia.

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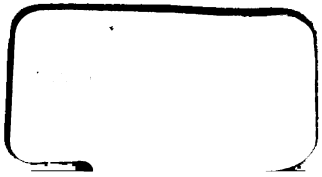

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