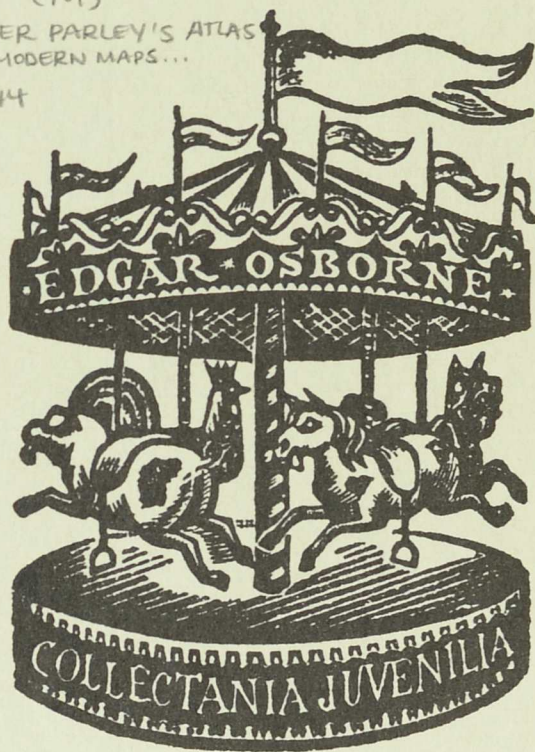


PETER PARLEY'S
MODERN MAPS
AND
GEOGRAPHICAL TABLES.

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PETER PARLEY'S ATLAS
OF MODERN MAPS...

1844



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Thomas Griffin

PETER PARLEY'S

ATLAS OF MODERN MAPS,

AND

GEOGRAPHICAL TABLES.

ALSO,

HIS REMARKS UPON THE RIGHT MODE OF USING THEM, AND OF LEARNING GEOGRAPHY:

With a Complete Index.

LONDON :

DARTON AND CLARK, HOLBORN HILL.

1844.

REVISED EDITION

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CONTENTS.

PARLEY'S REMARKS UPON MAPS AND ON LEARNING GEOGRAPHY.

	PAGE
CHAPTER I.—WHAT MAPS ARE	5
CHAPTER II.—OF LATITUDE AND LONGITUDE	5
CHAPTER III.—OF THE USE OF MAPS.	7

TABLES OF GEOGRAPHICAL INFORMATION.

TABLE I.—POPULATION OF THE DIFFERENT COUNTRIES OF THE GLOBE	8
TABLE II.—CLASSIFICATION OF TOWNS ACCORDING TO THEIR POPULATION	8
TABLE III.—CLASSIFICATION OF MOUNTAINS ACCORDING TO THEIR HEIGHT	10
TABLE IV.—CLASSIFICATION OF RIVERS ACCORDING TO THEIR LENGTH	10
INDEX OF LATITUDES AND LONGITUDES	11

MAPS.

1 THE WORLD	5 NORTH AMERICA	9 IRELAND
2 EUROPE	6 SOUTH AMERICA	10 FRANCE
3 ASIA	7 ENGLAND	11 THE UNITED STATES
4 AFRICA	8 SCOTLAND	12 AUSTRALIA

PARLEY'S REMARKS UPON MAPS.

CHAPTER I.

WHAT MAPS ARE.

1.—Before this work is put into your hands, you ought to know the meaning of the word **GEOGRAPHY**, and of some of the terms which are used in teaching it; particularly those applied to the different forms and positions of Land and Water, such as **CONTINENT**, **PENINSULA**, **ISTHMUS**, and the like. You should likewise understand the relations of places to each other, and to the sun, which we distinguish by the words, **NORTH**, **SOUTH**, **EAST**, and **WEST**.

It is also necessary that you should have learned that the Earth is nearly in the form of a globe, that it turns once in a day and night round an imaginary line called its **AXIS**, and that it moves nearly in a circle round the sun once in a year. The first-mentioned movement makes the changes of light and darkness, or day and night; and the second produces Spring, Summer, Autumn, and Winter.

If you do not understand these facts, you should at once seek for an explanation of them in some other book; for it is not my business here to say anything more about them. I wish now to explain to you, as simply as I can, the principles on which Maps are drawn.

2.—A map is an outline picture of some portion of the surface of the Earth, taken from a bird's-eye-view;

that is, such a view as a bird must get by going up some distance from the surface of the earth.

3.—But as the surface of the Earth is not a level plain, any more than the surface of an orange is, it is evident, according to the rules of perspective, that a Map, which would represent the exact outline of the Land and Sea, would not at the same time represent the sort of view which a bird gets, or which you yourself would obtain by going up in a balloon. If you spread a picture over the surface of a globe, you will see an illustration of what I have stated. The subject of the picture, if it should be anything which depends much upon its proportions (as, for instance, the figure of a man), will look strangely distorted. If you look at your own face reflected in a convex mirror, you will see the same kind of disfigurement, still more strikingly. Your nose will look ridiculously large, while your head and ears will be diminished in the same degree.

4.—This is just how countries are figured in some Maps, and the effect is greater in proportion as a greater extent of country is represented in one map.

5.—The Terrestrial Globe is a sort of image or model of the earth; and upon it you have the real forms of the Land and Sea.

CHAPTER II.

OF LATITUDE AND LONGITUDE.

1.—In all good maps you may observe lines running from the top to the bottom, and from one side to the other. These are called the lines of Latitude and Longitude. They have no existence in nature, and are only put in maps for the more accurate observation of the relative positions of places to each other.

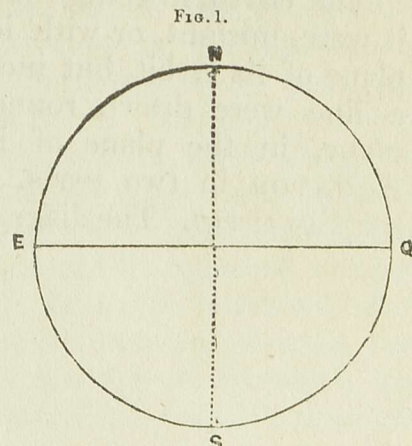
2.—To understand the principle on which these lines are drawn, you must either look at a globe, or fancy one; or if you can get a blank white globe and mark the lines on it, as I shall mention them, it will be still better.

3.—Let this circle represent the outline of the globe. The North end of the Axis is called the **NORTH POLE**, (**N**), and the other end the **SOUTH POLE**, (**S**). The line

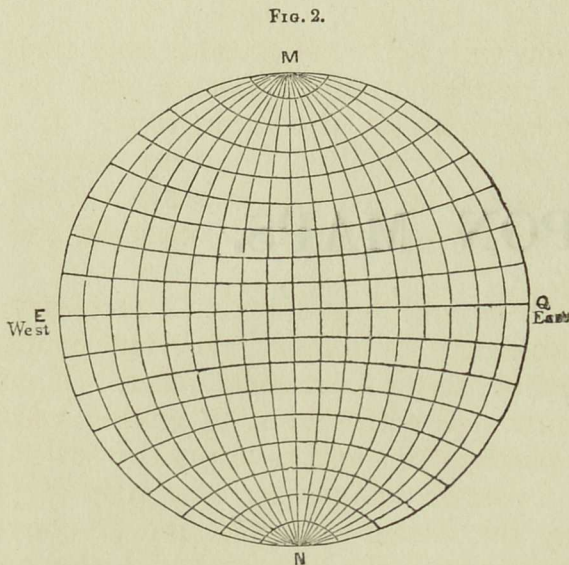
marking the direction of the **Axis** is dotted because it belongs to the middle and not to the outside or circumference.

4.—A line drawn round the Earth, exactly half-way between the Poles, is called the **Equator (EQ)**.

5.—A line drawn round the Earth, through the two poles, and through any particular place on the surface, is called the **MERIDIAN** of that place (**MN**, Fig. 2); when the word **Meridian** only



is used by English Geographers, the Meridian of Greenwich is meant. Greenwich is chosen in preference to London because the Royal Observatory is situated there.



6.—To form the lines of LONGITUDE, you must divide the EQUATOR into 360 equal divisions: each division will represent a degree. Except in maps which are drawn upon a very large scale, there is not a line to make every degree, but only one for every five or ten, as in the above diagram. The same lines as mark the Longitude, are the Meridians of the places through which they pass.

7.—The Lines are numbered with two sets of numbers, each commencing from the Meridian. The Lines on the right are said to mark the EAST LONGITUDE, and those on the left, the WEST LONGITUDE.

8.—To draw the LINES OF LATITUDE, you must divide the MERIDIAN into 360 parts or Degrees, and draw rings round the globe not cutting the EQUATOR, as the LINES OF LONGITUDE cut the MERIDIAN, but parallel to each other, and each one getting smaller as they approach the POLES.

9.—They are numbered by two sets of numbers, each commencing from the Equator; those above distinguish NORTH LATITUDE, and those below, SOUTH LATITUDE. These, like the others, are generally drawn so as to mark every tenth degree.

10.—To remember the distinction between Latitude and Longitude, you may take the rind off an orange, and the natural divisions of the fruit will represent the lines of Longitude; while you may cut it across at the Equator, and at several other places parallel with the Equator, to mark the lines of Latitude.

11.—There are some other lines on the globe, of which you should know the meaning.

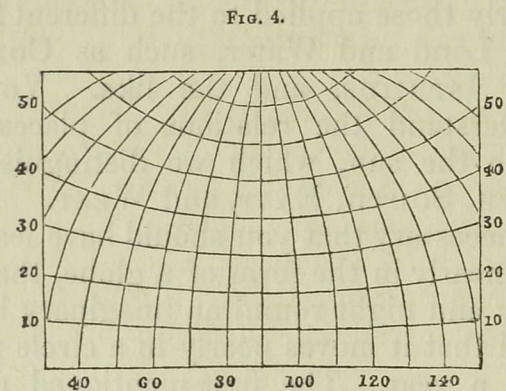
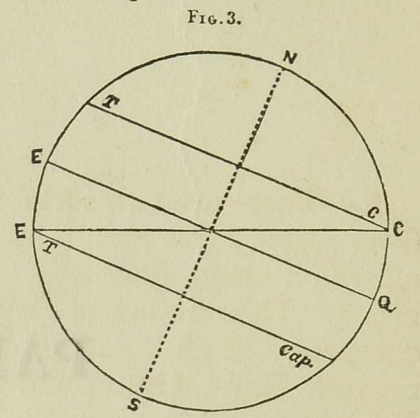
The Earth, in going round the Sun, does not move as it were, upright, or with its Axis perpendicular to the plane of its Orbit, but inclined considerably. Now, if a line were drawn round the circumference of the globe, in the plane of its Orbit, it would cut the EQUATOR in two parts. This line would represent the ECLIPTIC. The diagram will make the matter clear

to you: (E C) represents the Ecliptic; (N & S) the North and South Poles, and (E Q) the Equator.

12.—A Ring round the Earth, at the North extremity of the ECLIPTIC, not cutting the EQUATOR, but at an equal distance from it all round, (and therefore much smaller than the EQUATOR, the ECLIPTIC, or any of the Meridians) is called the TROPIC OF CANCER (T.C.); and a similar one at the South extremity of the ECLIPTIC, is the TROPIC OF CAPRICORN (T. Cap.)

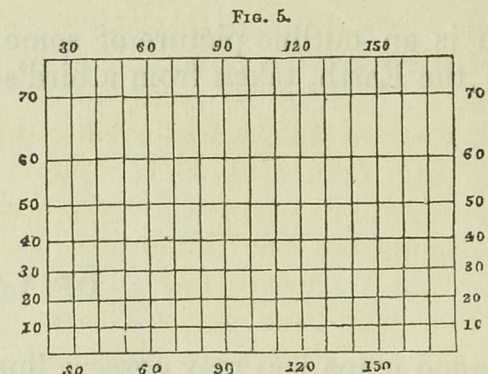
13.—If you have read what I have told you attentively, I hope you will understand the meaning of all the lines that you commonly see on maps. It may have been a dry lesson, but I can assure you it is well worth learning, and without a perfect knowledge of it, you could never properly learn Geography.

14.—In most maps the lines of Latitude and Longitude are curved, as in this diagram. You will, of course,



see why this is, as every map of this kind represents a part of the surface of a globe, and not a flat surface.

15.—But some maps of the World have their lines straight, and are then said to be on "Mercator's Projection." This mode of arrangement is very useful for certain purposes; but if you think a little upon what I told you in the first Chapter, it must be plain to you, that in order to bring each place upon the right degree



of Latitude and Longitude, the shape of the land must be considerably altered. You can, if you please, compare the maps of the two Hemispheres with a map on Mercator's Projection, to see into this subject more distinctly.

CHAPTER III.

OF THE USE OF MAPS.

1.—There are two sorts of information to be derived from maps, both equally important, and indeed neither of which would have any meaning or use without the other. The one sort is **PHYSICAL**, including the natural characters of each part of the surface of the earth, as it regards Bays, Gulfs, Lakes, Rivers, Mountains, and Forests. The other is **POLITICAL**, including the division of the land amongst the different nations of the World.

2.—Without acquiring a familiar knowledge of both these classes of facts, you will never make any useful progress in learning Geography; and therefore, while you are young, and your memories are apt to receive impressions which they may never lose, I would earnestly recommend you to practise the copying of maps; and to do the same country over again several times, until you have its figure and peculiarities so impressed upon your minds, that you can make a sufficiently accurate representation of it from memory alone.

3.—It is of little consequence whether you begin on your slates or on paper. Whichever you use this is the way you should proceed. First draw lines across the map you are about to copy at half-an-inch distance from each other, and then other lines at the same distance, crossing them at right angles: do the same upon the surface on which you are about to make your copy.

4.—You will be able, by this method, to copy with considerable accuracy, as you will see in what part of a square any particular line you are copying, passes over, and be able to mark it on the same part of the corresponding square of your slate or paper.

5.—When you have practised this plan for some time, use squares of one inch diameter, instead of half-an-inch, and when you have persevered with them for some time, throw them aside altogether, and trust to your eye alone. I will venture to predict, if you are diligent, that a little use will render this very easy, though it may seem, at first, to be quite out of your reach.

6.—When you are sufficiently advanced to attend to the more minute points of Geography, you should make two outlines of every country, and in one you should put nothing but the Mountains, Rivers, Lakes, and Forests, and in the other the Towns and Political divisions. You will thus get a clearer notion of the Shape, Position, and **PHYSICAL** character of countries, than by any other method.

7.—On these maps, mark, in small figures, under the name of each of the principal Mountains, the class it belongs to, according to its height, of the Rivers, according to their lengths, and of the most important Towns according to their population. You must be guided in this by the following tables.

8.—Never begin to read a history or the narrative of a traveller, without first making an outline of the part of the world which may be mentioned in it. Accustom yourself diligently to put down on this outline every spot, as you come to the mention of it; of course looking to the printed map for authority. In

this way you will both understand and remember the history or narrative much better, and be teaching yourself geography at the same time. It may seem tedious to you at first; but, from my own experience, I can tell you, that it will become very interesting to you hereafter, and will much increase the pleasure of reading.

9.—It will be useful, and at times necessary, for you to know the extent in miles of different countries, and the distance of places from each other. The following maps are provided with scales, to enable you to ascertain these particulars; and to apply the scales, you may either use a pair of compasses, or a strip of paper. If you employ the latter, you will find it convenient to mark the paper with the divisions and the numbers of the scale of the map you may be consulting; and to tell a distance, you have only to place the beginning of the divisions on one place, and see what number coincides with the other.

10.—In maps which are not provided with scales, there is a mode of ascertaining distances, with which you ought to be acquainted. A degree of latitude is 60 geographical miles, and a degree of longitude, on the Equator, is of the same extent. A geographical mile is a little longer than a common English mile, 10 of the former being equal to $11\frac{1}{2}$ of the latter; and a degree of latitude is therefore equal to 69 common miles, because 10 geographical miles is one-sixth of a degree, and 6 times $11\frac{1}{2}$ is 69. Now you may take off the length of a degree on a strip of paper, and divide it into seven parts, each of which will be sufficiently near to 10 miles for you to use as a scale, and you may apply it just as I told you to apply the other. If you want to be very precise, you must divide the whole degree into 69 parts, one part for a mile.

11.—I do not, amongst the following tables, give you one stating the extent of different countries in square miles, because I think it best that you should be left to find out that for yourself. I do not consider it as my business to save you trouble, but to teach you the best way of using your wits. I wish to give you all reasonable and necessary assistance. You could not know the population of a country, or the height of a mountain, by looking at a map till your eyes would ache. But by a very little attention, you can find out the extent of a district in square miles, correctly enough for all common purposes—and I will tell you how.

12.—In most countries, you will be able to ascertain by your eye what is the average or medium length and width. Measure these two distances by the scale, and then multiply one by the other. Thus, if you want to know the extent of France, measure from Dieppe to Tarascon, which you will find 500 miles; and from the mouth of the Loire to Neufchatel, which you will find 410; then multiply these two numbers together, and you will find the result—20,500. In some countries, such as Spain, it will be best to make two calculations, cutting off the little square to the north of Portugal, and multiplying its length and breadth by itself: then add the two results together.

TABLES OF GEOGRAPHICAL INFORMATION.

TABLE I.

POPULATION OF THE DIFFERENT COUNTRIES OF THE GLOBE.

EUROPE.		EUROPE.		AFRICA.		SOUTH AMERICA.	
POPULATION		Continued. POPULATION		POPULATION		POPULATION	
Austria	32,071,935	Sardinia	4,126,920	Egypt, and the Turkish		Colombia	3,500,000
Denmark	2,012,998	Sweden and Norway	3,684,800	Dominions	4,000,000	Peru	1,500,000
France	32,897,152	Sicily	7,121,740	Belonging to various		Bolivia	1,090,000
Germany	14,648,641	Spain	13,400,000	European States	1,651,400	La Plata	720,000
England, Scotland,		ASIA.		Natives under their own		Paraguay	600,000
and Ireland	24,044,917	Turkey in Asia	11,064,000	Governments	100,731,700	Chili	500,000
Switzerland	1,855,000	Arabia	12,000,000	NORTH AMERICA AND		Brazil	5,310,000
Italy	4,630,300	Persia	24,007,000	THE WEST INDIES.		Guiana	147,000
Islands of the Archi-		Baloochistan	3,900,000	British Possessions	1,043,000	Patagonia, Terra del Fuego,	
pelago	227,000	Tartary	3,300,000	United States	12,856,171	and other parts but little	
Belgium	5,581,500	India	169,617,500	Mexico	7,200,000	known	230,000
Turkey in Europe	10,600,000	China	250,000,000	Guatemala	1,100,000	AUSTRALIA,	
Portugal	3,144,200	Japan	40,600,000	Haiti	93,600	About	3,000,000
Prussia	13,369,689	Islands	26,865,000	Russian Possessions	52,000		
Russia	49,020,900	Russia in Asia	11,992,000	West Indies (British)	78,000		
				Ditto (under various			
				Dominions)	1,137,800		

EUROPE.	ASIA.	TOTAL POPULATION OF THE BRITISH DOMINIONS.	
SQUARE MILES	TOTAL POPULATION	POPULATION	POPULATION
Europe	223,000,000	England	13,089,338
Asia	553,500,000	Scotland	2,365,807
Africa	107,000,000	Wales	805,236
America	38,500,000	Ireland	7,784,536
Australia	3,000,000	Colonies in Europe	136,000
	<u>922,000,000</u>	Carried on	<u>24,180,917</u>

TOTAL POPULATION OF THE BRITISH DOMINIONS.		TOTAL POPULATION OF THE BRITISH DOMINIONS.	
POPULATION	POPULATION	POPULATION	POPULATION
Brought up	24,180,917	Colonies in Asia	126,500,000
Ditto in Africa	249,000	Ditto in America	1,987,000
Ditto in Australia	60,000	Ditto in Australia	60,000
<u>Total</u>	<u>152,976,917</u>		

TABLE II.

PRINCIPAL TOWNS AND CITIES, CLASSIFIED ACCORDING TO THEIR POPULATION.

First Class.	Third Class.	Fourth Class.	Fourth Class.
With a population exceeding 1,000,000.	With a population exceeding 250,000.	Continued.	Continued.
POPULATION.	POPULATION.	POPULATION.	POPULATION.
Pekin } 1,500,000	Surat } 400,000	Glasgow } 200,000	Mexico } 150,000
Jeddo } 1,300,000	Delhi } 300,000	Bukara } 160,000	Philadelphia } 130,000
LONDON } 1,100,000	Cairo } 250,000	Amsterdam } 150,000	Lyons } 120,000
Hangtcheou } 800,000	Naples } 200,000	Berlin } 140,000	Manilla } 110,000
	St. Petersburg } 150,000	Moscow } 130,000	Rio Janeiro } 105,000
	Patna } 100,000	Tombuctoo } 120,000	Birmingham } 100,000
	Vienna } 80,000	Manchester } 110,000	Edinburgh } 90,000
	Lisbon } 70,000	Liverpool } 100,000	Rome } 80,000
		New York } 90,000	Damascus } 70,000
		Palermo } 80,000	Tunis } 60,000
		Madrid } 70,000	Milan } 50,000
		Cashmere } 60,000	Hamburgh } 40,000
		Moorshedabad } 50,000	Marseilles } 30,000
		Bombay } 40,000	Warsaw } 20,000
		Poonah } 30,000	Venice } 10,000
		Samarcand } 20,000	Turin } 10,000

TABLE II.—Continued.

<i>Fourth Class.</i> Continued.		<i>Fifth Class.</i> Continued.		<i>Sixth Class.</i> Continued.		<i>Seventh Class.</i> Continued.		
	POPULATION.		POPULATION.		POPULATION.		POPULATION.	
Havannah	100,000	Bath	50,000	Kingston (Jamaica)	33,000	Macclesfield	23,000	
Bristol		Hull		Seringapatam	32,000	Chesterfield		
Cork		Salford		Dundee	30,000	Dudley		
Lahore		Oldham		Charleston		Grenoble		
Adrianople		Trebisond		Alexandria		Cheltenham		
Herat		Strasburgh		Damietta		Arras		22,000
Candahar		New Orleans		Tarsus		Stettin		
Fez		Columbo		Belgrade		Guayaquil		
Sennaar		Newcastle-on-Tyne		Constantina		Southampton		
St. Salvador, or Bahia				Irkutsk		Ratisbon		
Leeds			Cronstadt	Havre				
			Magdeburgh	Blackburn				
			Clermont (France)	Chester	21,000			
			Avignon	Shrewsbury				
		Toulon	Yarmouth					
		Ancona	Pernambuco					
		Valladolid	Poitiers					
		Carthagena	Tours					
		Stockport	Modena					
		Versailles	Mecca					
		Angers	Mocha					
		York	Silistria					
		Waterford	Teflis	20,000				
		Parma	Oxford					
		Galway (Ireland)	Cambridge					
		Besançon	Ipswich					
		Exeter	Carlisle					
		Buda	Wigan					
		Geneva	Kidderminster					
		Cracow	Perth					
		Stuttgart	Zante	19,000				
		Lubeck	Huddersfield					
		Abomey	Boulogne					
		Greenock	Quebec					
		Toledo	Goa					
		Popayan	Cape Town	18,000				
		Guamanga (Peru)	Port Louis (Isle of Bourbon)					
		Montreal	Bergen					
		Carthagena (S. A.)	Lucca (Italy)					
		Coventry	Berne	17,000				
		Tobolsk	Cherbourg					
		Brest	Woolwich					
		Limoges	Basle					
		Montauban	Londonderry					
		Troyes	Valladolid (Mexico)	16,000				
		Sidney (Australia)	Monte Video					
			Halifax (America)					
			St. John's (Newfd.)					
			Archangel	15,000				
			L'Orient					
			Coimbra					
			Tripoli (Africa)					
			Bilboa					
			Corunna	14,000				
			St. Ubes					
			Cordova					
			Salamanca	13,000				
			Bayonne					
			Dover	12,000				
			Lincoln					
			Dijon	23,000				

TABLE III.

CLASSIFICATION OF MOUNTAINS ACCORDING TO THEIR HEIGHT.

<i>First Class.</i> Above 20,000 Feet.		<i>Third Class.</i> Exceeding 10,000 Feet.		<i>Fourth Class.</i> Continued.		<i>Fifth Class.</i> Continued.		
	FEET.		FEET.		FEET.		FEET.	
Dwalagiri, one of the Himalayeh Mountains	28,000	Mount Fairweather	14,900	Velino (Apennines)	8,000	Cairngorm (Scotland)	4,000	
Chimborazo	21,440	Mount Ophir, (Sumatra)	13,000	Lomnitz (Carpathian)				
Manflos (Andes)	20,000	Mount Atlas	12,200	Mounts. of Gondar				
Chillan		Sierra Nevada (Spain)		11,800		Dofrafield Mounts.		
<i>Second Class.</i> Exceeding 15,000 Feet.		James's Peak	11,500	Blue Mounts. (Jam.)	7,000	Mount Vesuvius	3,700	
Cotopaxi (Volcano)	18,000	Perdu (Pyrenees)	11,000	City of Mexico				
Mouna Kirauea (Hawaii)		Mount Etna		11,000	City of Puebla	6,000	Snowdon (Wales)	3,500
Elbourz, Caucasus	17,000	Altaian Mountains	10,000	Pico (Azores)				
Mount Elias		Snow Mountains (Africa)		10,000	Olympus (Turkey)			
Orizaba (Volc.)		Mount Cenis (Alps)		9,500	Blaaserk (Greenland)	6,000	Cader Idris (Wales)	3,300
Popocatapetl (Volc.)		Volcano of Bourbon			9,500		Mount Heckla	
Pichinca (Volc.)	15,000	<i>Fourth Class.</i> Exceeding 5,000 Feet.		<i>Fifth Class.</i> Exceeding 2,500 Feet.		Mont Serrat (West Indies)	2,900	
Mount Blanc (Alps)		City of Quito	9,500	Ben Nevis (Scotland)	4,300	Sca Fell (Cumberland)		
Mount Rosa (do.)		Mount Ararat		9,500		Whernside (Eng.)		4,000
Geesh (Abys.)		Lebanon	9,000	Green Mountains (North America)	4,000	Ben Lhomond (Scotland)		
Egmont (N. Z.)		St. Gothard (Alps)		9,000				
Hamar (Chin. Tar.)					Skiddaw	2,658		
					Cheviot Hills			

TABLE IV.

CLASSIFICATION OF RIVERS ACCORDING TO THEIR LENGTH.

<i>First Class.</i> Above 2,000 Miles in Length.		<i>Third Class.</i> Continued.		<i>Fourth Class.</i> Continued.		<i>Fifth Class.</i> Continued.	
	MILES.		MILES.		MILES.		MILES.
Amazon	4,000	Columbia	1,500	Ottawa	500	Hudson	320
Mississippi	3,500	Nelson's River		Altamaha		Garonne	300
Missouri		Euphrates		Appalachicola		Glommen	
<i>Second Class.</i> About 2,000 Miles in Length.		Burrampooter		Wabash		Guadalquivir	
Volga	1,300	Indus	Yupura	Mayne			
Nile		Tennessee	1,100	Dwina	Tornea		
Kiang-ku		St. Francisco	1,000	Elbe	Delaware	250	
Niger		Chingu		Rhone	Weser		
Arkansaw	Colorado, N. A.	Loire		Seine	Dahl		
Mackensie's River	Ohio			Marissa	Inn, (Germany)		
Kio del Norte	Dnieper	<i>Fourth Class.</i> Above 500 Miles in Length.		<i>Fifth Class.</i> Above 250 Miles in Length.		<i>Sixth Class.</i>	
St. Lawrence		Senegal	900	Neva and Volkof	450	Adige (Italy)	200
Rio de la Plata		Clark's River		Tagus		Thames	180
Hoang-ho		Salado	800	Vistula	Tiber		
Amoor		Negro		Don	Theiss	Shannon	170
Yenisei		Don	Tigris	Tombigbee	Severn	150	
Mecon,		Tigris	Jumna	Savannah	Aar (Switzerland)		
Oby		Rhine	750	Susquehannah	Minho	130	
Len		Churchill	700	Meuse	Trent		
<i>Third Class.</i> Above 1,000 Miles in Length.		Kristna	650	Connecticut	400	Barrow	106
Danube	1,600	Potomac	600	Allegany			
Ganges		Cumberland		600	Illinois	Arno (Italy)	80
Orinoco	1,500	Osage	600	Oder	Eyder	50	
Madera, S. America		Dniester		600	Drave		Reuss (Switzerland)
Tocantins		Gambia		600	Douro	Tweed	80
La Platte		Ural			600	Ebro	
Red River	Helmund		Guadiana	Dee	50		
			Po	Mersey			
				Medway			

INDEX

OF

LATITUDES AND LONGITUDES

FROM

GREENWICH.

No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.
8	Aberdeen N. 57. 7	W. 2. 11	3	Anadir, Gulf of... N. 75. 0	E. 180. 0	7	Ashburton N. 50. 30	W. 3. 42
7	Aberystwith N. 52. 23	W. 4. 6	3	Anam N. 17. 0	E. 103. 0	7	Ashford N. 51. 11	E. 0. 51
7	Abingdon N. 51. 39	W. 1. 16	11	Anapolis N. 38. 50	W. 76. 40	7	Ashton under Line N. 53. 29	W. 2. 6
2	Abo N. 60. 30	E. 22. 20	3	Andaman Isles ... N. 12. 20	E. 92. 30	3	Assam N. 26. 30	E. 90. 0
3	Abu Arisch N. 18. 20	E. 41. 40	7	Andover N. 51. 12	W. 1. 27	6	Assumption S. 25. 0	W. 57. 30
4	Abyssinia N. 11. 0	E. 40. 0	2	Andozero N. 64. 0	E. 32. 0	3	Astrabad N. 37. 0	E. 54. 0
5	Acapulco N. 16. 0	W. 99. 50	8	Andrews, St. ... N. 56. 19	W. 2. 50	2	Astrachan N. 46. 21	E. 48. 2
9	Achill N. 54. 2	W. 9. 57	10	Angers N. 47. 28	W. 0. 37	6	Atacama S. 21. 30	W. 69. 45
11	Arkopolis, or } ... N. 34. 38	W. 92. 10	7	Anglesey I. of ... N. 53. 15	W. 4. 20	5	Athabasca Lake... N. 59. 0	W. 109. 0
4	Adamowa N. 7. 0	E. 12. 0	4	Angola S. 8. 30	E. 18. 10	2	Athens N. 37. 54	E. 23. 45
2	Adrianople N. 41. 44	E. 26. 42	3	Angora N. 40. 20	E. 32. 20	9	Athlone..... N. 53. 24	W. 7. 49
4	Affnoo N. 18. 0	E. 4. 40	10	Angouleme N. 45. 37	E. 0. 17	9	Athy.. N. 53. 0	W. 6. 59
10	Agen..... N. 44. 10	E. 0. 35	8	Annan N. 55. 0	W. 3. 12	1	Atlantic or Wes- } N. 23. 40	W. 40. 0
3	Agra N. 27. 0	E. 78. 0	1	Antarctic Ocean. S. 70. 0	W. 70. 0	1	Atlantic Ocean, } S. 35. 0	W. 30. 0
10	Aix N. 43. 25	E. 5. 27	5	Antonio, St..... N. 29. 0	W. 98. 50	4	Atlas, Mount ... N. 34. 0	0. 0
2	Ajaccio N. 41. 58	E. 8. 23	9	Antrim N. 54. 44	W. 6. 6	1	Atooi, I. N. 21. 15	W. 159. 30
4	Ajan N. 8. 0	E. 50. 0	2	Antwerp N. 51. 14	E. 4. 22	10	Auch..... N. 43. 40	E. 0. 35
2	Akerman N. 46. 10	E. 30. 0	4	Anzico S. 0. 30	E. 18. 0	11	Augusta N. 33. 22	W. 81. 50
5	Alashka..... N. 57. 0	W. 155. 0	7	Appleby N. 54. 36	W. 2. 30	11	Augustine, St. ... N. 29. 56	W. 81. 37
7	Albans, St. N. 51. 47	W. 0. 19	3	Arabian Desert... N. 31. 0	E. 43. 0	10	Aurillac N. 44. 56	E. 2. 27
11	Albany N. 42. 35	W. 74. 0	3	Arabian Gulf, } N. 20. 0	E. 38. 0	1	Australia S. 26. 0	E. 133. 0
11	Albany, New.. ... N. 38. 10	W. 85. 50	1	Arabian Sea N. 15. 0	E. 65. 0	2	Austria N. 48. 0	E. 20. 0
10	Alby N. 43. 54	E. 2. 7	3	Aracan N. 21. 0	E. 92. 30	10	Auxerre N. 47. 48	E. 3. 35
5	Alleghany Mts... N. 36. 0	W. 83. 0	3	Aracan R. N. 30. 0	E. 95. 0	3	Ava N. 22. 0	E. 95. 0
2	Alençon N. 48. 25	E. 0. 4	3	Aral Sea N. 45. 0	E. 60. 0	2	Aveyro N. 40. 40	W. 8. 35
3	Aleppo N. 36. 30	E. 37. 30	2	Archangel..... N. 64. 33	E. 40. 40	2	Avignon N. 43. 58	E. 4. 35
1	Aleutian Isles ... N. 52. 20	W. 180. 0	2	Archipelago N. 38. 0	E. 25. 0	7	Axbridge N. 51. 18	W. 2. 50
4	Alexandria N. 31. 30	E. 29. 50	1	Arctic Ocean ... N. 77. 0	E. 70. 0	7	Aylesbury..... N. 51. 50	W. 1. 48
11	Alexandria N. 31. 30	W. 92. 38	6	Arequipa S. 16. 0	W. 72. 0	8	Ayr N. 55. 33	W. 4. 38
4	Algiers N. 37. 0	E. 4. 30	3	Arganskoi..... N. 51. 0	E. 118. 0	3	Ayuthia, or Siam. N. 14. 30	E. 101. 10
2	Alicant N. 38. 22	W. 0. 22	6	Arica..... S. 18. 30	W. 70. 5	2	Azov..... N. 47. 0	E. 39. 10
2	Almeria... N. 36. 55	W. 2. 30	5	Arispe N. 30. 40	W. 109. 40	2	Azov, Sea of..... N. 46. 0	E. 36. 0
7	Alnwick N. 55. 25	W. 1. 43	6	Arkansas R..... N. 37. 0	W. 97. 0	1	Azores, or West } N. 37. 40	W. 27. 15
7	Altrincham N. 53. 23	W. 2. 19	9	Arklow N. 52. 48	W. 6. 10			
6	Amazon, or Ma- } S. 5. 0	W. 71. 0	10	Arles..... N. 43. 37	E. 4. 35			
6	Ambrose I. St. ... S. 26. 25	W. 79. 30	9	Armagh N. 54. 20	W. 6. 31			
5	America, Russian N. 65. 0	W. 150. 0	1	Aroo, I. S. 6. 30	E. 135. 0			
7	Amesbury..... N. 51. 12	W. 1. 45	8	Arran, I. N. 55. 40	W. 5. 10			
1	Amazonia..... S. 6. 0	W. 60. 0	10	Arras N. 50. 20	E. 2. 50			
2	Amiens N. 49. 55	E. 2. 20	7	Arundel N. 50. 50	W. 0. 34	3	Babelmandel, } N. 12. 30	E. 43. 0
2	Amsterdam N. 52. 22	E. 4. 49	7	Asaph, St..... N. 53. 14	W. 3. 25	5	Baffin's Bay N. 47. 0	W. 68. 0
1	Amsterdam, I. .. S. 21. 0	W. 174. 0	1	Ascension, I. ... S. 9. 0	W. 12. 0	3	Bagdad..... N. 33. 20	E. 44. 25
1	Amsterdam, I. ... S. 39. 0	E. 79. 0	4	Ashantee N. 8. 0	W. 3. 0	5	Bahama Isles..... N. 25. 0	W. 76. 0
			7	Ashborne N. 53. 3	W. 1. 43			

B

No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.
6	Bahia, or St. Salvador } S. 13. 0	W. 38. 40	2	Bielozersk.....	N. 60. 5 E. 38. 10	8	Bute ..	N. 55. 48 W. 4. 55
3	Baikal Lake	N. 53. 0 E. 108. 0	1	Bird I.	N. 22. 0 W. 161. 30	7	Buxton	N. 53. 13 W. 1. 58
3	Bajar.....	N. 28. 0 E. 38. 10	3	Birmah	N. 21. 0 E. 95. 0	1	Byron's Isles ...	S. 1. 0 W. 176. 30
4	Bakkarikarri.....	S. 23. 30 E. 25. 0	7	Birmingham	N. 52. 31 W. 1. 51	C		
9	Ballinrobe... ..	N. 53. 41 W. 9. 10	1	Biscay, New.....	N. 33. 0 W. 109. 0	3	Cabul	N. 33. 0 E. 65. 0
11	Baltimore	N. 39. 0 W. 76. 25	7	Bishop Auckland .	N. 54. 39 W. 1. 42	2	Cadiz	N. 36. 30 W. 6. 20
4	Bambarra	N. 14. 0 0. 0	1	Bishop's I.	S. 1. 0 E. 177. 0	10	Caen	N. 49. 10 W. 0. 14
7	Banbury	N. 52. 4 W. 1. 20	7	Blackburn	N. 53. 44 W. 2. 30	7	Caernarvon	N. 53. 8 W. 4. 13
6	Banda Oriental... S.	31. 0 W. 56. 0	2	Black Sea.....	N. 43. 0 E. 34. 0	4	Caffres	S. 31. 0 E. 28. 0
8	Banff.....	N. 57. 39 W. 2. 34	4	Belad el Jerid ...	N. 31. 0 E. 5. 0	2	Cagliari.....	N. 39. 18 E. 9. 35
7	Bangor	N. 53. 13 W. 4. 5	10	Blois.....	N. 47. 30 E. 1. 20	11	Cahawba	N. 32. 7 W. 87. 30
4	Barbary	N. 33. 0 E. 5. 0	6	Boa Villa	S. 16. 0 W. 51. 30	10	Cahors	N. 44. 22 E. 1. 25
4	Barca	N. 30. 0 E. 23. 0	7	Bodmin.....	N. 50. 28 W. 4. 42	4	Cairo.....	N. 30. 0 E. 51. 10
3	Bareily	N. 28. 0 E. 79. 30	6	Bogota, Sta. Fe. de	N. 5. 0 W. 74. 0	7	Caistor	N. 53. 32 W. 0. 19
7	Barnsley	N. 53. 34 W. 1. 31	2	Bohemia	N. 50. 0 E. 15. 0	1	Caledonia, New .	S. 22. 0 E. 167. 0
7	Barnstaple	N. 51. 7 W. 4. 2	6	Bolivia	S. 19. 0 W. 65. 0	2	Calais	N. 51. 4 E. 1. 50
8	Barra Isles	N. 57. 0 W. 7. 35	7	Bolton	N. 53. 35 W. 2. 29	3	Calcutta	N. 22. 30 E. 88. 20
5	Barrow Strait ...	N. 74. 0 W. 82. 0	3	Bombay	N. 19. 0 E. 73. 10	5	California	N. 25. 0 W. 113. 0
1	Bass's Straits ...	S. 39. 0 E. 147. 0	6	Bom Susseco	S. 17. 30 W. 41. 45	5	California, New .	N. 35. 0 W. 117. 0
7	Basingstoke	N. 51. 16 W. 1. 16	4	Bona.....	N. 37. 10 E. 8. 0	5	California, G. of .	N. 25. 0 W. 111. 0
1	Batavia.....	S. 7. 0 E. 108. 0	5	Boothia.....	N. 73. 0 W. 96. 0	7	Calne.....	N. 51. 28 W. 1. 49
7	Bath	N. 51. 23 W. 2. 22	5	Boothia, Sea of... N.	70. 0 W. 90. 0	3	Cambay.....	N. 22. 0 E. 72. 10
7	Bawtry.....	N. 53. 27 W. 1. 0	2	Borgo	N. 60. 20 E. 26. 45	3	Cambodia	N. 11. 30 E. 105. 30
2	Bay of Biscay ...	N. 45. 0 W. 5. 0	1	Borneo	0. 0 E. 115. 0	3	Cambodia R. ...	N. 18. 0 E. 106. 0
7	Beaconsfield	N. 51. 35 W. 0. 36	7	Boston	N. 53. 1 W. 0. 3	7	Cambridge	N. 52. 13 E. 0. 6
7	Beaminster	N. 50. 50 W. 2. 41	5	Boston (U.S.)... N.	42. 30 W. 71. 0	1	Camira I.	N. 20. 45 E. 161. 0
5	Bear Lake, Great	N. 66. 0 W. 120. 0	1	Botany Bay	S. 32. 0 E. 151. 0	1	Campbell's I. ...	S. 53. 0 E. 168. 30
7	Beaumaris.	N. 53. 16 W. 4. 5	2	Bothnia, Gulf of .	N. 64. 0 E. 21. 0	5	Canada, Lower... N.	47. 0 W. 73. 0
10	Beauvais	N. 49. 25 E. 2. 4	2	Boulgouma	N. 52. 45 E. 54. 30	5	Canada, Upper... N.	47. 0 W. 85. 0
7	Beccles	N. 52. 28 E. 1. 34	1	Bourbon, I.	S. 22. 0 E. 56. 0	4	Canary Isles.....	N. 28. 0 W. 16. 0
7	Bedford.....	N. 52. 7 W. 0. 28	10	Bourg	N. 46. 10 E. 5. 10	3	Candahar	N. 32. 30 E. 67. 0
4	Beeroo	N. 15. 0 W. 1. 0	4	Bournou	N. 13. 0 E. 13. 10	3	Candi	N. 7. 35 E. 80. 30
4	Begharmi	N. 12. 20 E. 20. 0	7	Bradford	N. 53. 46 W. 1. 46	2	Candia	N. 35. 30 E. 25. 0
2	Belgium	N. 51. 0 E. 5. 0	6	Brazil	S. 10. 0 W. 50. 0	4	Canga	S. 3. 0 E. 17. 40
9	Belfast	N. 54. 36 W. 5. 55	7	Brecon	N. 51. 57 W. 3. 20	7	Canterbury	N. 51. 17 E. 1. 4
10	Belfont	N. 47. 43 E. 7. 0	2	Bremen	N. 53. 35 E. 8. 50	8	Cantire	N. 55. 40 W. 5. 35
5	Belize	N. 16. 30 W. 88. 20	2	Breslaw.....	N. 51. 5 E. 16. 40	3	Canton	N. 23. 35 E. 112. 10
6	Bella Villa	S. 15. 0 W. 60. 10	2	Brezesc.....	N. 52. 0 E. 23. 30	4	Cape Colony..... S.	33. 0 E. 23. 0
3	Beloochistan.....	N. 27. 0 E. 65. 0	7	Bridgewater	N. 51. 7 W. 3. 2	4	Cape of Good Hope	S. 34. 20 E. 18. 30
3	Benares.....	N. 25. 10 E. 83. 0	7	Bridgnorth	N. 52. 31 W. 2. 26	4	Cape Town	S. 34. 0 E. 18. 20
8	Benbecula I. ...	N. 57. 25 W. 7. 14	7	Bridport	N. 50. 44 W. 2. 42	1	Cape Verd Isles .	N. 16. 0 W. 25. 0
2	Bender	N. 46. 45 E. 29. 30	10	Brieux, St.	N. 48. 29 W. 2. 42	6	Caraccas	N. 10. 15 W. 66. 40
1	Bengal, Bay of... N.	15. 0 E. 90. 0	7	Brighton	N. 50. 49 W. 0. 8	10	Carcassone	N. 43. 14 E. 2. 10
4	Bengazi	N. 32. 0 E. 20. 10	7	Bristol	N. 51. 28 W. 2. 35	7	Cardiff	N. 51. 29 W. 3. 10
4	Benguela, St. } S.	12. 20 E. 13. 0	5	Bristol Bay	N. 58. 0 W. 160. 0	7	Cardigan	N. 52. 5 W. 4. 36
	Felippe de		2	British Isles	N. 55. 0 W. 4. 30	5	Caribbean Sea ...	N. 16. 0 W. 75. 0
4	Benin	N. 7. 20 E. 5. 40	2	Brixen	N. 46. 45 E. 11. 25	2	Carelby, Gt.....	N. 63. 45 E. 23. 35
4	Benin, Bight of... N.	5. 40 E. 5. 0	7	Brough.....	N. 54. 32 W. 2. 20	7	Carlisle	N. 54. 54 W. 2. 55
8	Ben Lomond ...	N. 56. 8 W. 4. 34	1	Brown's Isles ...	N. 12. 0 E. 161. 30	2	Carlopago.....	N. 44. 40 E. 15. 22
8	Ben Nevis.....	N. 56. 48 W. 4. 55	1	Brown's I	S. 1. 0 W. 159. 30	9	Carlow	N. 52. 50 W. 6. 54
4	Benowm	N. 16. 0 W. 6. 0	5	Brunswick, New. N.	46. 0 W. 67. 0	2	Carlstadt	N. 45. 40 E. 15. 20
4	Berbera.....	N. 10. 0 E. 47. 0	2	Brunswick	N. 52. 18 E. 10. 32	7	Caermarthen.....	N. 51. 53 E. 4. 16
2	Bergen	N. 60. 30 E. 5. 10	3	Bursa	N. 40. 0 E. 29. 10	1	Carolinas	N. 5. 0 E. 175. 0
2	Berlin	N. 52. 35 E. 13. 25	2	Brussels	N. 50. 50 E. 4. 25	2	Carpathian Mts .	N. 48. 0 E. 23. 0
5	Bermudas	N. 32. 0 W. 65. 0	3	Bucharia, Little .	N. 39. 0 E. 80. 0	9	Carrick	N. 53. 56 W. 8. 1
8	Bervie	N. 56. 48 W. 2. 23	3	Bucharia, Great .	N. 41. 0 E. 60. 0	9	Carrickfergus ...	N. 54. 43 W. 5. 50
8	Berwick	N. 55. 47 W. 2. 3	7	Buckingham ...	N. 52. 2 W. 0. 59	6	Carthagena	N. 10. 40 W. 76. 0
7	Berwick on Tweed	N. 55. 45 W. 2. 0	2	Buda	N. 47. 30 E. 19. 5	2	Carthagena	N. 37. 35 W. 0. 50
10	Besançon	N. 47. 13 E. 6. 7	2	Budarinsk.....	N. 51. 10 E. 52. 0	3	Cashan	N. 33. 20 E. 50. 40
2	Bessested	N. 64. 20 W. 21. 0	6	Bueonos Ayres... S.	34. 0 W. 58. 10	9	Cashel	N. 52. 33 W. 7. 51
7	Beverley	N. 53. 51 W. 0. 26	2	Bug, R.	N. 51. 0 E. 24. 0	3	Cashgar	N. 39. 25 E. 74. 0
7	Bewdley	N. 52. 22 W. 2. 21	4	Bujeia	N. 36. 45 E. 6. 0	3	Cashmere	N. 34. 20 E. 74. 45
3	Bhering's Strait.. N.	67. 0 W. 169. 40	3	Bukka	N. 28. 0 E. 70. 30	3	Caspian Sea	N. 43. 0 E. 50. 0
3	Bhotan	N. 26. 0 E. 90. 0	3	Burrampooter R..	N. 29. 0 E. 90. 0	2	Cassel	N. 51. 30 E. 15. 40
4	Biafra	N. 5. 0 E. 12. 0	3	Berwa	N. 23. 10 E. 84. 45			
4	Bichouanas	S. 26. 0 E. 25. 0	7	Bury, St. Edmunds	N. 52. 15 E. 0. 43			
2	Bielsk	N. 52. 40 E. 23. 30	7	Bury	N. 53. 37 W. 2. 17			
			3	Bussorah	N. 30. 30 E. 47. 30			

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9	Castlebar	N. 53. 54 W. 9. 11	5	Cockburn, I.	N. 71. 0 W. 80. 0	4	Darfur	N. 11. 30 E. 27. 0
10	Castres	N. 43. 35 E. 2. 20	7	Cockermouth	N. 54. 39 W. 3. 21	7	Dartmouth	N. 50. 22 W. 3. 32
6	Catamarca	S. 28. 0 W. 66. 0	2	Coimbra	N. 40. 20 W. 8. 40	7	Daventry	N. 52. 15 W. 1. 9
2	Cattaro	N. 42. 20 E. 19. 10	2	Colberg	N. 54. 15 E. 15. 20	1	Davis's Land, or Easter I.	S. 28. 0 W. 109. 15
2	Cattegat	N. 57. 0 E. 11. 0	7	Colchester	N. 51. 53 E. 0. 52	5	Davis's Straits	N. 65. 0 W. 60. 0
2	Caucasus, Mts	N. 44. 0 E. 42. 0	9	Colerain	N. 55. 9 W. 6. 35	7	David's (St.) Sts.	N. 51. 43 W. 5. 15
9	Cavan	N. 53. 59 W. 7. 16	8	Coll, I.	N. 56. 40 W. 6. 30	2	Debretzen	N. 47. 20 E. 22. 0
6	Cayenne	N. 4. 35 W. 52. 0	8	Colloway, I.	N. 56. 7 W. 6. 10	7	Deeping, Market.	N. 52. 42 W. 0. 18
4	Cazambe	S. 12. 0 E. 22. 0	7	Collumpton	N. 50. 52 W. 3. 35	3	Delhi	N. 28. 20 E. 77. 20
1	Celebes	0. 0 E. 120. 0	10	Colmar	N. 48. 3 E. 7. 25	4	Dembararri	S. 18. 30 E. 28. 20
1	Celebes, Sea of	N. 3. 0 E. 125. 0	6	Colombia	N. 5. 0 W. 70. 0	4	Dembea, Lake	N. 12. 0 E. 37. 0
2	Cefalonia	N. 38. 5 E. 20. 45	11	Colombia	N. 33. 58 W. 80. 50	11	Demopolis	N. 32. 37 W. 88. 15
1	Ceram	S. 4. 0 E. 130. 0	5	Columbia	N. 55. 0 W. 127. 0	7	Denbigh	N. 53. 11 W. 3. 22
2	Cerigo	N. 36. 10 E. 23. 0	11	Columbus	N. 40. 0 W. 83. 0	2	Denmark	N. 56. 0 E. 10. 0
3	Ceylon	N. 8. 0 E. 80. 0	3	Comorin, Cape	N. 8. 5 E. 77. 35	2	Derbent	N. 42. 0 E. 48. 10
4	Chagamera	S. 17. 0 E. 27. 0	1	Company's I.	S. 49. 15 E. 141. 30	7	Derby	N. 52. 55 W. 1. 28
1	Chagos, I.	S. 7. 0 E. 71. 0	6	Conception	S. 37. 0 W. 73. 0	4	Derr	N. 22. 30 E. 32. 0
2	Chalons-sur-Marne	N. 48. 57 E. 4. 22	7	Congleton	N. 53. 9 W. 2. 12	1	Desierta I.	N. 22. 0 E. 162. 0
2	Chalons-sur-Saone	N. 46. 47 E. 4. 51	4	Congo	S. 7. 0 E. 15. 0	7	Devizes	N. 51. 22 W. 1. 58
2	Chamberry	N. 45. 35 E. 5. 50	2	Constantinople	N. 41. 0 E. 29. 0	5	Devon, North	N. 77. 0 W. 90. 0
11	Champlain, L.	N. 44. 25 W. 73. 15	1	Cook's Strait	S. 41. 0 E. 175. 0	7	Devonport	N. 50. 19 W. 4. 6
7	Chard	N. 50. 53 W. 2. 27	2	Copenhagen	N. 55. 35 E. 12. 25	7	Dewsbury	N. 53. 42 W. 1. 36
11	Charles, St.	N. 38. 40 W. 90. 27	6	Copiapo	S. 28. 0 W. 71. 0	3	Diabekir	N. 38. 0 E. 40. 40
5	Charlotte's (Qn.) I.	N. 53. 0 W. 132. 0	2	Cordova	N. 37. 55 W. 4. 50	1	Diemen's Land, Van	S. 42. 0 E. 147. 0
10	Charolles	N. 46. 25 E. 4. 17	6	Cordova	S. 31. 10 W. 62. 0	2	Dieppe	N. 49. 55 E. 1. 0
10	Chartres	N. 48. 30 E. 1. 25	3	Corea	N. 38. 0 E. 127. 0	10	Digne	N. 44. 6 E. 6. 12
10	Chateauroux	N. 46. 48 E. 1. 43	3	Corea, Strait of	N. 33. 0 E. 130. 0	8	Dingwall	N. 57. 36 W. 4. 26
1	Chatham I.	S. 44. 0 W. 177. 30	2	Corfu	N. 39. 30 E. 20. 0	2	Dijon	N. 47. 10 E. 5. 0
7	Chatham	N. 51. 22 E. 0. 31	2	Corinth	N. 38. 0 E. 32. 50	2	Dinaburg	N. 56. 0 E. 26. 0
10	Chaumont	N. 48. 5 E. 5. 10	9	Cork	N. 51. 56 W. 8. 31	5	Dixon's Entrance	N. 54. 0 W. 132. 0
7	Cheltenham	N. 51. 54 W. 2. 4	3	Coromandel	N. 12. 0 E. 81. 0	2	Dneiper, R.	N. 49. 0 E. 32. 0
7	Chepstow	N. 51. 39 W. 2. 42	5	Coronation Gulf	N. 68. 0 W. 110. 0	2	Dneister, R.	N. 47. 0 E. 30. 0
5	Chesapeake Bay	N. 37. 0 W. 76. 0	5	Corrientes, C.	N. 20. 30 W. 116. 0	2	Dolsted	N. 65. 30 E. 12. 45
7	Chelmsford	N. 51. 44 E. 0. 27	2	Corsica	N. 42. 20 E. 9. 0	2	Don, R.	N. 49. 0 E. 42. 0
1	Cherry I.	S. 11. 0 W. 173. 0	2	Corunna	N. 43. 20 W. 8. 10	7	Doncaster	N. 53. 31 W. 1. 9
2	Cherson	N. 46. 50 E. 32. 30	4	Cossier	N. 25. 20 E. 34. 0	9	Donegal	N. 54. 39 W. 7. 58
7	Cheshire	N. 53. 15 W. 2. 30	4	Country of the Tibboos	N. 20. 0 E. 17. 0	2	Donetz	N. 48. 0 E. 38. 0
7	Chester	N. 53. 10 W. 2. 54	4	Country of the Tuaricks	N. 20. 0 E. 11. 0	4	Donga	N. 8. 0 E. 25. 0
7	Chesterfield	N. 53. 13 W. 1. 26	7	Coventry	N. 52. 24 W. 1. 32	4	Donga Mts., or Jebel el Kumri (Mts. of the Moon)	N. 6. 0 E. 25. 0
7	Chichester	N. 50. 49 W. 0. 46	2	Cracow	N. 50. 10 E. 19. 50	4	Dongola	N. 18. 0 E. 32. 0
6	Chili	S. 32. 0 W. 71. 0	7	Cricklade	N. 51. 38 W. 1. 48	4	Dongola, New	N. 19. 40 E. 30. 30
6	Chiloe, I.	S. 43. 0 W. 73. 0	2	Crimea	N. 45. 30 E. 34. 30	4	Dongola, Old	N. 18. 10 E. 30. 40
3	China	N. 30. 0 E. 110. 0	8	Cromarty	N. 57. 40 W. 4. 0	7	Dorchester	N. 50. 44 W. 2. 24
3	China Sea	N. 15. 0 E. 115. 0	6	Cruz, St ^a	S. 18. 0 W. 63. 0	7	Dorking	N. 51. 13 W. 0. 22
3	Chinese Tartary	N. 40. 0 E. 100. 0	5	Cuba	N. 22. 0 W. 80. 0	8	Dornoch	N. 57. 54 W. 4. 7
7	Chippenham	N. 51. 30 W. 1. 56	6	Cuença	S. 2. 50 W. 79. 10	8	Dornock Firth	N. 57. 55 W. 3. 50
7	Christchurch	N. 50. 45 W. 1. 48	2	Cuença	N. 40. 5 W. 2. 2	7	Douglas	N. 54. 11 W. 4. 28
2	Christiana	N. 60. 0 E. 11. 0	2	Cuidad Real	N. 38. 50 W. 3. 50	2	Douro, R.	N. 41. 50 W. 6. 0
2	Christiansand	N. 58. 10 E. 8. 45	6	Cumana	N. 10. 15 W. 64. 0	7	Dover	N. 51. 8 E. 1. 20
2	Christianstad	N. 56. 0 E. 14. 15	5	Cumberland I.	N. 64. 0 W. 70. 0	2	Dover, Straits of	N. 50. 50 E. 1. 25
1	Christmas I.	N. 1. 30 W. 157. 0	8	Cupar	N. 56. 17 W. 3. 4	2	Dover	N. 51. 6 E. 1. 16
6	Chuquisaca	S. 19. 30 W. 66. 30	6	Curico	S. 35. 0 W. 70. 30	7	Downham Market	N. 52. 38 E. 0. 26
7	Cirencester	N. 51. 43 W. 1. 59	6	Cuzco	S. 13. 20 W. 70. 50	9	Downpatrick	N. 54. 20 W. 5. 33
8	Clackmannan	N. 56. 5 W. 3. 42	3	Cyprus	N. 35. 0 E. 33. 0	10	Draguignan	N. 43. 30 E. 6. 30
9	Clare	N. 52. 51 W. 8. 54				2	Drave, R.	N. 46. 0 E. 17. 0
1	Clarence, Duke of, Isles	S. 9. 0 W. 171. 0				2	Dresden	N. 51. 0 E. 13. 50
10	Clermont	N. 45. 48 E. 3. 5				7	Driffield	N. 54. 3 W. 0. 27
2	Cleves	N. 51. 45 E. 6. 0				9	Drogheda	N. 53. 44 W. 6. 14
7	Clitheroe	N. 53. 52 W. 2. 21				7	Droitwich	N. 52. 16 W. 2. 10
9	Clogher	N. 54. 24 W. 7. 6				7	Dronfield	N. 53. 17 W. 1. 28
9	Clonfert	N. 53. 14 W. 7. 58				2	Drontheim	N. 63. 35 E. 11. 0
9	Clonmell	N. 52. 22 W. 7. 43				9	Dublin	N. 53. 22 W. 6. 14
9	Cloyne	N. 51. 53 W. 8. 6				1	Ducies I.	S. 24. 30 E. 126. 0
4	Cobbe	N. 13. 0 E. 28. 20				7	Dudley	N. 52. 30 W. 2. 7
3	Cobi, Desert of	N. 36. 0 E. 88. 0						
2	Coblentz	N. 50. 20 E. 7. 20						
3	Cochin China	N. 16. 0 E. 107. 0						

D

No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.
H			I			K		
8	Haddington	N. 55. 58 W. 2. 51	3	Iakoutsk	N. 62. 0 E. 129. 10	4	Kaarta	N. 16. 0 W. 16. 0
3	Hainan	N. 19. 0 E. 110. 0	11	Iberia, New	N. 30. 0 W. 91. 27	2	Kajana	N. 64. 0 E. 27. 35
5	Halifax	N. 44. 0 W. 64. 0	1	Iceland	N. 65. 0 W. 20. 0	2	Kalish	N. 51. 40 E. 18. 15
7	Halifax	N. 53. 43 W. 1. 53	11	Illinois	N. 40. 0 W. 90. 0	3	Kalhat	N. 23. 20 E. 58. 0
7	Haltwhistle	N. 54. 59 W. 2. 26	11	Indiana	N. 40. 35 W. 78. 50	2	Kalix	N. 65. 50 E. 23. 30
2	Hamburg	N. 53. 35 E. 10. 5	1	Indian Ocean	S. 10. 0 E. 75. 0	2	Kalmar	N. 56. 30 E. 16. 0
2	Hammerfest	N. 71. 0 E. 24. 0	11	Indianapolis	N. 39. 35 W. 86. 2	3	Kalmucks	N. 49. 0 E. 48. 0
8	Hamilton	N. 55. 44 W. 4. 4	1	Indies, West	N. 20. 0 W. 60. 0	2	Kalouga	N. 54. 40 E. 36. 10
2	Hanover	N. 52. 20 E. 9. 50	3	Indus, R.	N. 29. 0 E. 70. 0	2	Kama, R.	N. 45. 0 E. 45. 0
3	Haridwara	N. 30. 30 E. 74. 0	8	Inverary	N. 56. 14 W. 5. 5	2	Kamenetz	N. 48. 50 E. 26. 0
7	Harlech	N. 52. 50 W. 4. 6	7	Inverness	N. 57. 28 W. 4. 11	2	Kamishin	N. 50. 10 E. 45. 10
3	Harmin	N. 20. 30 E. 56. 10	7	Ipswich	N. 52. 4 E. 1. 8	3	Kamtschatka	N. 60. 0 E. 160. 0
8	Harris	N. 57. 50 W. 6. 48	2	Ireland	N. 53. 0 W. 7. 0	3	Kamtschatka, Sea of	N. 57. 0 E. 180. 0
11	Hartford	N. 41. 35 W. 72. 50	1	Ireland, New	S. 3. 0 E. 151. 0	2	Kandalaskaya	N. 67. 5 E. 32. 10
7	Harwich	N. 51. 56 W. 1. 14	3	Irkoutsk	N. 52. 40 E. 105. 20	4	Kanem	N. 15. 0 E. 17. 0
7	Haslemere	N. 51. 5 W. 0. 43	8	Irvine	N. 55. 38 W. 4. 36	12	Kangaroo I.	S. 36. 0 E. 137. 0
7	Hastings	N. 50. 52 E. 0. 36	3	Ischim, Step of	N. 52. 0 E. 70. 0	3	Karakum	N. 44. 30 E. 180. 0
5	Havannah	N. 22. 50 W. 82. 0	8	Islay	N. 55. 54 W. 6. 15	2	Karshakorska	N. 62. 20 E. 40. 30
7	Hay	N. 52. 4 W. 3. 7	7	Isle of Wight	N. 50. 40 W. 1. 20	2	Kazane	N. 56. 10 E. 49. 10
5	Hayti	N. 18. 0 W. 72. 0	2	Ismael	N. 45. 10 E. 29. 0	2	Kemi	N. 64. 45 E. 34. 30
7	Haverford, West	N. 51. 49 W. 4. 56	3	Ispahan	N. 33. 0 E. 51. 30	2	Kemitrask	N. 67. 35 E. 28. 40
1	Hebrides, New	S. 16. 0 E. 168. 0	2	Italy	N. 44. 0 E. 12. 0	4	Kemmoo	N. 15. 10 W. 17. 0
2	Hekla, Mt.	N. 63. 30 W. 20. 0	7	Ives, St.	N. 50. 12 W. 5. 26	7	Kendal	N. 54. 20 W. 2. 45
2	Heilbron	N. 49. 0 E. 9. 20	2	Ivica	N. 39. 0 E. 1. 30	2	Keret	N. 66. 0 E. 33. 0
1	Helena, St.	S. 16. 30 W. 6. 30	4	Ivory Coast	N. 6. 0 W. 5. 0	1	Kergueland's Land	S. 49. 0 E. 70. 0
2	Heligoland	N. 54. 20 E. 8. 0	J			8	Kerrimuir	N. 56. 40 W. 2. 59
2	Helsingborg	N. 56. 10 E. 12. 40	11	Jackson	N. 32. 0 W. 90. 2	3	Kesseen	N. 15. 0 E. 49. 50
7	Henley	N. 51. 33 W. 0. 54	12	Jackson, Port	S. 33. 50 E. 151. 15	3	Khiwa	N. 41. 30 E. 58. 0
3	Herat	N. 35. 10 E. 61. 10	4	Jacoba	N. 8. 30 E. 10. 40	7	Kidderminster	N. 52. 23 W. 2. 14
7	Hereford	N. 52. 4 W. 2. 43	6	Jacobina	S. 11. 50 W. 41. 0	2	Kiev	N. 50. 10 E. 30. 10
2	Hermanstadt	N. 45. 40 E. 24. 5	5	Jamaica	N. 18. 0 W. 78. 0	9	Kildare	N. 53. 12 W. 6. 52
7	Hertford	N. 51. 48 W. 0. 6	5	James's Bay	N. 53. 0 W. 80. 0	9	Kilfenora	N. 53. 1 W. 9. 10
4	Hilil Arabs	N. 25. 0 W. 12. 0	5	Janeiro, Rio	S. 22. 0 W. 43. 0	2	Kilia	N. 45. 40 E. 29. 30
3	Himaleh Mts.	N. 32. 0 E. 80. 0	6	Japan Isles	N. 40. 0 E. 140. 0	9	Kilkenny	N. 52. 42 W. 7. 14
3	Hindoostan	N. 23. 30 E. 80. 0	3	Japan, Sea of	N. 40. 0 E. 135. 0	9	Killarney	N. 52. 4 W. 9. 28
3	Hoang Ho, R.	N. 36. 0 E. 104. 0	2	Jassy	N. 47. 4 E. 27. 15	9	Killila	N. 54. 17 W. 9. 6
3	Hoataun	N. 47. 0 E. 136. 0	6	Jauja	S. 12. 20 W. 75. 0	8	Kilmarnock	N. 55. 38 W. 4. 29
1	Hobart Town	S. 42. 55 E. 147. 10	1	Java	S. 7. 0 E. 110. 0	2	Kinel, R.	N. 53. 40 E. 52. 30
3	Hoingan-foo	N. 34. 0 E. 119. 10	4	Jebel Tedla	N. 31. 0 W. 7. 0	1	King George's Sd.	S. 34. 0 E. 120. 0
2	Holland	N. 52. 30 E. 6. 0	8	Jedburgh	N. 55. 29 W. 2. 34	7	Kington	N. 52. 12 W. 3. 0
7	Holyhead	N. 53. 18 W. 4. 38	11	Jefferson	N. 38. 32 W. 91. 53	8	Kinross	N. 56. 12 W. 3. 30
7	Holywell	N. 53. 16 W. 3. 15	10	Jersey	N. 49. 20 W. 2. 5	3	Kipzak	N. 48. 30 E. 55. 0
5	Honduras	N. 15. 0 W. 85. 0	3	Jerusalem	N. 31. 33 E. 35. 0	2	Kirilov	N. 59. 30 E. 37. 40
7	Honiton	N. 50. 43 W. 3. 18	1	Jesso	N. 43. 0 E. 142. 0	7	Kirkby Lonsdale	N. 54. 13 W. 2. 37
2	Horna	N. 64. 15 W. 17. 0	3	Jesso, Sea of	N. 50. 0 E. 150. 0	7	Kirkby Stephen	N. 54. 26 W. 2. 20
6	Horn, Cape	S. 56. 0 W. 68. 0	6	Joaa, St. Duas Barras	S. 5. 40 W. 49. 50	8	Kirkcudbright	N. 54. 49 W. 3. 59
7	Horncastle	N. 53. 13 W. 0. 6	6	Joanes	S. 1. 0 W. 50. 0	8	Kirkwall	N. 58. 57 W. 3. 5
7	Horsham	N. 51. 5 W. 0. 19	2	Joanina	N. 39. 50 E. 20. 40	2	Kirshinskoi	N. 49. 45 E. 51. 30
4	Hottentots	S. 29. 0 E. 25. 0	5	John, St.	N. 46. 10 W. 67. 0	2	Kittila	N. 67. 40 E. 24. 50
4	Houssa	N. 15. 0 E. 8. 0	5	John's St.	N. 47. 0 W. 53. 0	7	Knaresborough	N. 54. 2 W. 1. 29
7	Howden	N. 53. 47 W. 0. 52	4	Joliba, or Niger R.	N. 10. 0 W. 8. 0	3	Koko Nor	N. 38. 0 E. 100. 0
1	Howe, Cape	S. 37. 0 E. 150. 0	2	Jonkoping	N. 57. 20 E. 14. 20	2	Kola	N. 68. 45 E. 33. 10
2	Hudiksvall	N. 61. 30 E. 16. 20	6	Joze, St.	S. 19. 10 W. 39. 50	3	Kolivane	N. 55. 0 E. 82. 30
5	Hudson's Bay	N. 60. 0 W. 85. 0	1	Juan Baptista, St.	S. 27. 0 W. 139. 0	2	Kolonna	N. 55. 20 E. 38. 15
5	Hudson's Strait	N. 62. 0 W. 71. 0	1	Juan Fernandez	S. 33. 10 W. 79. 0	2	Kongberg	N. 59. 40 E. 9. 30
3	Hue	N. 16. 0 E. 117. 0	6	Jujuy	S. 23. 0 W. 63. 20	4	Kong	N. 11. 0 W. 2. 0
2	Huebla	N. 37. 20 W. 7. 0	8	Jura Isle	N. 56. 0 W. 5. 55	2	Konigsburg	N. 54. 44 E. 20. 35
7	Hull, Kingston up ⁿ	N. 53. 46 W. 0. 21				4	Kordofan	N. 14. 0 E. 30. 0
2	Hungary	N. 46. 30 E. 20. 0				2	Koslin	N. 48. 5 E. 41. 10
7	Huntingdon	N. 52. 22 W. 0. 12				2	Kostroma	N. 57. 40 E. 41. 10
5	Huron, Lake	N. 44. 0 W. 82. 0				2	Koursk	N. 54. 45 E. 36. 35
3	Hydrabad	N. 23. 20 E. 69. 50				2	Krim	N. 45. 2 E. 35. 10
7	Hythe	N. 51. 4 E. 1. 4						

INDEX OF LATITUDES AND LONGITUDES FROM GREENWICH.

No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.			
2	Kuban, R. N. 45. 0	E. 40. 0	7	Lizard Point N. 49. 55	W. 5. 6	2	Mantua N. 45. 12	E. 10. 48			
2	Kuopio N. 63. 10	E. 29. 35	4	Loango S. 1. 0	E. 12. 0	6	Maracaybo N. 10. 15	W. 71. 0			
2	Kur, R. N. 40. 30	E. 47. 0	4	Loango S. 4. 40	E. 11. 20	4	Maraves S. 14. 0	E. 31. 0			
L											
5	Labradore N. 55. 0	W. 61. 0	2	Lofanga N. 63. 50	E. 20. 20	4	Maravi S. 13. 0	E. 34. 0			
1	Laccadives N. 7. 0	E. 73. 0	2	Loffoden Isles N. 68. 30	E. 15. 0	7	Margate N. 51. 24	E. 1. 23			
2	Ladoga, Lake N. 61. 0	E. 31. 0	2	Loire, R. N. 47. 20	W. 1. 0	1	Maria, Cape, Sta. S. 38. 0	W. 57. 0			
1	Ladrone, I. N. 16. 0	E. 145. 0	2	Lombardy N. 46. 10	E. 11. 0	1	Maria Laxara N. 29. 0	W. 139. 0			
4	Lagullas, Cape N. 34. 45	E. 19. 40	2	London N. 51. 30	W. 0. 6	2	Marianburg N. 53. 40	E. 19. 0			
3	Lahore S. 31. 30	E. 74. 10	9	Londonderry N. 55. 1	W. 7. 19	11	Marietta N. 39. 25	W. 81. 12			
3	Lahsa N. 26. 0	E. 49. 20	9	Longford N. 53. 42	W. 7. 43	1	Marion's I. S. 48. 0	E. 49. 0			
1	Lamira N. 20. 0	E. 165. 0	7	Long Town N. 55. 2	W. 2. 53	7	Marlborough N. 51. 25	W. 1. 43			
7	Lampeter N. 52. 6	W. 4. 5	5	Loretto N. 25. 40	W. 112. 0	7	Marlow N. 51. 35	W. 0. 47			
7	Lancaster N. 54. 3	W. 2. 48	10	Lo, St. N. 49. 10	W. 1. 5	2	Marmora, Sea of. N. 41. 0	E. 27. 0			
7	Landaff N. 51. 29	W. 3. 13	11	Louis, St. N. 38. 23	W. 90. 2	6	Marmora, R. S. 12. 0	W. 66. 0			
7	Land's End N. 50. 4	W. 5. 41	1	Louisiade S. 10. 0	E. 152. 0	2	Marseilles N. 43. 18	E. 5. 24			
2	Landvork N. 58. 50	E. 9. 10	7	Louth N. 53. 22	W. 0. 2	6	Marta, Str. N. 11. 0	W. 74. 0			
7	Langport N. 51. 2	W. 2. 38	6	Lucia, St. S. 29. 0	W. 59. 30	9	Maryborough N. 53. 1	W. 7. 18			
2	Langaness N. 66. 20	E. 16. 0	7	Ludlow N. 52. 23	W. 2. 42	3	Mascot N. 24. 0	E. 56. 40			
2	Laon N. 49. 32	E. 3. 45	2	Lugo N. 43. 0	W. 7. 30	1	Matthew's I. N. 1. 0	E. 176. 0			
6	La Paz S. 17. 30	W. 68. 40	6	Luis, St. S. 33. 0	W. 65. 40	10	Maulçon N. 43. 16	W. 1. 5			
2	Larissa S. 39. 35	E. 22. 30	6	Luis, St. de Par-naiba } S. 3. 0	W. 41. 0	3	Mecca N. 22. 0	E. 41. 0			
3	Lassa N. 29. 0	E. 90. 40	6	Luis, St. or Ma-ranham } S. 2. 30	W. 44. 0	3	Medina N. 24. 0	E. 39. 40			
4	Lattakoo S. 27. 0	E. 24. 50	2	Luitzin N. 56. 30	E. 27. 20	2	Mediterranean Sea N. 40. 0	E. 12. 0			
7	Launceston N. 50. 38	W. 4. 20	2	Lulea N. 65. 35	E. 22. 30	7	Melcombe Regis N. 50. 37	W. 2. 24			
10	Laval N. 48. 8	W. 0. 50	2	Luxembourg N. 49. 41	E. 6. 13	10	Melun N. 48. 31	E. 2. 36			
5	Lawrence, St. G. of N. 48. 0	W. 62. 0	1	Luzon N. 15. 0	E. 122. 0	4	Melinda S. 3. 0	E. 39. 50			
5	Lawrence, St. R. N. 45. 0	W. 72. 0	7	Lyme Regis N. 50. 44	W. 2. 56	5	Melville Isles N. 75. 0	W. 115. 0			
2	Laybach N. 46. 5	E. 13. 35	7	Lymington N. 50. 46	W. 1. 26	5	Melville Peninsula N. 67. 0	W. 83. 0			
7	Ledbury N. 52. 4	W. 2. 25	7	Lynn N. 52. 46	E. 0. 26	2	Memel N. 55. 37	E. 21. 20			
7	Leeds N. 53. 47	W. 1. 29	2	Lyons N. 45. 50	E. 4. 50	7	Menai Strait N. 53. 10	W. 4. 14			
3	Lefou N. 44. 30	E. 134. 0	M								
2	Leghorn N. 43. 35	E. 10. 30	4	Machidas N. 4. 0	E. 42. 0	10	Mende N. 44. 35	E. 3. 25			
7	Leicester N. 52. 37	W. 1. 8	5	Mackenzie's R. N. 66. 0	W. 130. 0	5	Mendocino, Cape. N. 40. 10	W. 123. 40			
2	Leipzig N. 51. 20	E. 12. 16	10	Maçon N. 46. 22	E. 4. 50	6	Mendoza S. 32. 40	W. 69. 0			
9	Leitrim N. 53. 59	W. 7. 59	1	Macquarrie I. S. 55. 0	E. 158. 0	2	Mentz N. 50. 0	E. 8. 10			
8	Leith N. 55. 59	W. 3. 10	1	Madagascar S. 20. 0	E. 47. 0	3	Merguen Houm N. 48. 20	E. 122. 0			
10	Le Maris N. 48. 1	E. 0. 10	4	Madeira I. N. 32. 0	W. 17. 0	5	Merida N. 21. 0	W. 89. 50			
2	Lemnos N. 40. 10	E. 25. 40	6	Madeira, R. S. 8. 0	W. 63. 0	7	Merthyr Tidfyl N. 51. 44	W. 3. 12			
8	Lenark N. 55. 41	W. 3. 49	3	Madras N. 14. 0	E. 80. 0	2	Messina N. 38. 5	E. 15. 30			
7	Leominster N. 52. 13	W. 2. 44	2	Madrid N. 40. 25	W. 3. 40	2	Metelin N. 39. 10	E. 26. 0			
5	Leon N. 12. 0	W. 87. 0	11	Madrid, New N. 36. 35	W. 89. 40	10	Metz N. 49. 5	E. 6. 10			
2	Leon N. 42. 40	W. 5. 10	2	Maelstrom N. 67. 40	E. 12. 0	5	Mexico N. 19. 40	W. 99. 10			
2	Lerida N. 41. 35	E. 1. 30	4	Magadoxa N. 1. 30	E. 5. 30	5	Mexico, Gulf of. N. 25. 0	W. 90. 0			
4	Levant N. 34. 0	E. 30. 0	2	Magdeburgh N. 52. 15	E. 12. 30	5	Mexico, New N. 35. 0	W. 105. 0			
7	Lewes N. 50. 53	E. 0. 1	6	Magellan, Str. of. S. 52. 0	W. 68. 0	2	Mezene N. 66. 0	E. 44. 30			
8	Lewis, I. N. 58. 0	W. 6. 45	3	Mahrah N. 22. 0	E. 54. 0	10	Mezieres N. 49. 48	E. 4. 37			
2	Libau N. 56. 47	E. 21. 15	7	Maidstone N. 51. 26	E. 0. 33	5	Michigan, Lake N. 40. 0	W. 87. 0			
7	Lichfield N. 52. 41	W. 1. 48	2	Majorca N. 39. 0	E. 4. 0	7	Midhurst N. 50. 57	W. 0. 44			
2	Liden N. 63. 10	E. 16. 20	2	Makaoovska N. 61. 40	E. 42. 20	2	Midieh N. 41. 50	E. 28. 10			
9	Lifford N. 54. 50	W. 7. 27	3	Malabar N. 10. 0	E. 76. 0	2	Milan N. 45. 30	E. 9. 8			
10	Lille N. 50. 46	E. 3. 5	1	Malabriga N. 28. 0	E. 146. 0	7	Milford Haven N. 51. 40	W. 5. 0			
6	Lima S. 12. 20	W. 77. 0	3	Malacca N. 5. 0	E. 103. 0	11	Milledgeville N. 32. 58	W. 83. 12			
2	Limerick N. 52. 42	W. 8. 30	2	Malaga N. 36. 45	W. 4. 30	2	Milo N. 36. 40	E. 24. 22			
2	Limoges N. 45. 50	E. 1. 15	7	Malden N. 51. 44	E. 0. 39	1	Mindanao N. 7. 0	E. 125. 0			
7	Lincoln N. 53. 15	W. 0. 34	1	Maldives N. 5. 0	E. 72. 30	3	Mindora N. 9. 0	E. 119. 0			
8	Linlithgow N. 55. 58	W. 3. 36	9	Mallow N. 52. 10	W. 8. 37	2	Minho, R. N. 42. 0	W. 8. 45			
2	Lipari Isles N. 39. 0	E. 14. 40	7	Malmesbury N. 51. 33	W. 2. 5	2	Minsk N. 54. 15	E. 27. 50			
2	Lisbon N. 38. 40	W. 9. 5	2	Malta N. 35. 50	E. 14. 0	8	Minch, Little N. 57. 30	W. 6. 50			
9	Lisburn N. 54. 30	W. 5. 59	7	Manchester N. 53. 30	W. 2. 14	8	Minch, The N. 58. 0	W. 6. 0			
1	Lisiansky's I. N. 26. 0	W. 171. 40	3	Manilla N. 15. 0	E. 121. 0	2	Minorca N. 40. 0	E. 9. 10			
7	Liskeard N. 50. 28	W. 4. 26	7	Man, Isle of N. 54. 15	W. 4. 30	2	Mishanoyskaia N. 60. 30	E. 49. 20			
9	Lismore N. 52. 7	W. 7. 54	7	Mansfield N. 53. 8	W. 1. 9	5	Mississippi, R. N. 35. 0	W. 90. 0			
2	Liverpool N. 53. 25	W. 2. 59	3	Mantchuria N. 47. 30	E. 130. 0	11	Mobile N. 30. 35	W. 88. 20			
2	Livni N. 52. 35	E. 48. 0				4	Mocaranga S. 18. 0	E. 31. 0			

No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.
4	Mongearts N. 27. 0	W. 11. 0	7	Newcastle N. 54. 59	W. 1. 37	2	Orel N. 53. 0	E. 36. 0
3	Mongolia N. 45. 0	E. 100. 0	5	Newfoundland N. 48. 0	W. 57. 0	2	Orenburg N. 52. 0	E. 55. 0
7	Monmouth N. 51. 47	W. 2. 42	7	New Malton N. 54. 10	W. 0. 48	7	Orford N. 52. 6	E. 1. 29
11	Monroe N. 32. 20	W. 92. 0	7	Newmarket N. 52. 14	E. 0. 25	7	Orford Ness N. 52. 8	E. 1. 35
11	Monroe N. 34. 8	W. 89. 0	5	New Orleans N. 30. 10	W. 89. 50	6	Orinoco, R. N. 8. 0	W. 64. 0
10	Montaubin N. 43. 59	E. 1. 18	7	Newport N. 50. 42	W. 1. 18	2	Orkney Isles N. 59. 0	W. 3. 0
10	Montbrison N. 45. 0	E. 4. 2	5	New South Wales N. 57. 0	W. 91. 0	1	Orkneys, New S. 61. 0	W. 45. 0
10	Mont de Marsan N. 43. 52	W. 0. 30	12	New South Wales S. 26. 0	E. 147. 0	2	Orleans N. 18. 15	E. 1. 50
7	Montgomery N. 52. 33	W. 3. 10	5	New York N. 40. 40	W. 74. 30	7	Ormskirk N. 53. 33	W. 2. 53
10	Montpellier N. 43. 3	E. 3. 52	12	New Zealand S. 41. 0	E. 173. 0	2	Ortegale, Cape N. 43. 50	W. 7. 50
5	Montreal N. 45. 30	W. 93. 15	2	Nikotsk N. 59. 50	E. 47. 40	3	Ortoos N. 40. 30	E. 108. 0
8	Montrose N. 56. 43	W. 2. 32	4	Nile, Riv. N. 20. 0	E. 34. 0	2	Osnaburg N. 52. 20	E. 8. 5
2	Moravia N. 49. 0	E. 19. 0	10	Niort N. 46. 20	W. 0. 25	11	Oswego N. 43. 10	W. 76. 28
2	Morea N. 37. 0	E. 22. 0	3	Nippon N. 36. 0	E. 140. 0	1	Otaheite, I. S. 15. 0	W. 146. 0
4	Morocco N. 32. 0	W. 7. 40	10	Nismes N. 43. 45	E. 4. 23	2	Otranto N. 40. 5	E. 18. 20
7	Morpeth N. 55. 21	W. 1. 41	2	Nissa N. 43. 20	E. 22. 10	3	Oude N. 26. 30	E. 82. 20
2	Moscow N. 55. 32	E. 37. 30	1	North Cape S. 34. 0	E. 172. 0	2	Oufa N. 54. 10	E. 56. 0
2	Mota, R. N. 59. 0	E. 33. 0	2	North Cape N. 71. 30	E. 25. 0	2	Oufa, R. N. 56. 0	E. 56. 0
10	Moulins N. 46. 30	E. 3. 18	11	Norfolk N. 36. 40	W. 76. 25	2	Oural, or Ural } N. 60. 0	E. 60. 0
3	Moultan N. 30. 30	E. 72. 0	1	Norfolk I. S. 29. 0	E. 179. 0	2	Oural, or Ural R. N. 50. 0	E. 51. 30
4	Mourzuk N. 26. 0	E. 14. 0	5	Norte, Rio del N. 26. 0	W. 97. 0	2	Oural, or Ural R. N. 50. 0	E. 51. 30
2	Moustajkskaia N. 63. 40	E. 47. 0	7	Northallerton N. 54. 22	W. 1. 27	2	Ouralsk N. 47. 25	E. 51. 30
4	Mouselmines N. 28. 0	W. 10. 0	7	Northampton N. 52. 14	W. 0. 56	2	Ousa N. 65. 20	E. 57. 0
1	Mowee N. 20. 15	W. 156. 0	2	North Sea N. 57. 0	E. 3. 0	2	Oust Sisolsk N. 61. 10	E. 50. 5
4	Mozambique S. 16. 0	E. 40. 40	7	Northwich N. 53. 16	W. 2. 29	7	Overton N. 52. 57	W. 2. 55
4	Mozambique Chan. S. 20. 0	E. 41. 0	2	Norway N. 65. 0	E. 15. 0	2	Oveido N. 43. 20	W. 5. 45
2	Mozir N. 52. 0	E. 29. 0	7	Norwich N. 52. 37	E. 1. 17	2	Ovinnika N. 63. 10	E. 56. 0
1	Mulgrave Isles N. 7. 0	E. 173. 30	7	Nottingham N. 52. 58	W. 1. 10	1	Owhyhee, I. N. 19. 0	W. 155. 0
8	Mull N. 56. 30	W. 6. 0	1	Noukaheeva S. 9. 0	W. 139. 30	7	Oxford N. 51. 46	W. 1. 14
9	Mullingar N. 53. 32	W. 7. 20	5	Nova Scotia N. 44. 0	W. 64. 0	3	Oxus, R. N. 36. 0	E. 65. 0
2	Munich N. 48. 10	E. 11. 25	6	Nova Villa S. 23. 0	W. 49. 15			
3	Munnypoor N. 23. 0	E. 93. 0	1	Nova Zembla N. 70. 0	E. 60. 0			
2	Murom N. 55. 50	E. 41. 30	2	Novgorod N. 58. 10	E. 31. 10			
2	Murcia N. 38. 2	W. 1. 0	2	Novokhopeak N. 51. 0	E. 41. 50			
4	Muroe N. 18. 0	E. 30. 40	4	Nubia N. 16. 0	E. 33. 0			
8	Murray, Firth N. 57. 45	W. 3. 40	2	Nykoping N. 58. 45	E. 16. 50			
N			O			P		
9	Naas N. 53. 12	W. 6. 41	7	Oakhams N. 52. 40	W. 0. 48	1	Pacific Ocean, Nth. N. 30. 0	W. 160. 0
3	Nagpoor N. 20. 40	E. 79. 40	3	Obe, Sea of N. 68. 0	E. 72. 0	1	Pacific Ocean, Sth. S. 25. 0	W. 15. 0
8	Nairn N. 57. 35	W. 3. 52	3	Obeydah N. 12. 30	E. 30. 50	2	Padomist N. 51. 0	E. 29. 10
4	Namaquas S. 26. 0	E. 16. 0	3	Ochotsk N. 59. 35	E. 142. 0	1	Palawan N. 9. 0	E. 119. 45
2	Namur N. 50. 30	E. 4. 50	3	Ochotsk, Sea of N. 55. 0	E. 145. 0	2	Palermo N. 38. 3	E. 13. 25
10	Nancy N. 48. 36	E. 6. 12	2	Oder, R. N. 52. 0	E. 15. 0	2	Palitza N. 67. 0	E. 37. 0
3	Nankin N. 32. 20	E. 119. 0	2	Odessa N. 46. 30	E. 30. 45	1	Palmerston, I. S. 19. 0	W. 163. 0
2	Nantes N. 47. 24	E. 1. 38	6	Oeiras S. 8. 0	W. 41. 50	6	Pampas S. 37. 0	W. 63. 0
7	Nantwich N. 53. 17	W. 2. 23	2	Oka, R. N. 56. 0	E. 42. 20	6	Panama N. 9. 0	W. 79. 20
2	Naples N. 40. 48	E. 14. 20	2	Oldenburg N. 53. 12	E. 8. 10	2	Paniga, R. N. 64. 0	E. 45. 0
2	Narva N. 59. 25	E. 28. 5	7	Oldham N. 53. 33	W. 2. 9	2	Panoi N. 67. 50	E. 41. 0
11	Nashville N. 36. 5	W. 86. 55	3	Olensk N. 72. 0	E. 119. 30	2	Paolovsk N. 50. 10	E. 40. 20
11	Nassau N. 30. 40	W. 81. 27	6	Olinda S. 8. 0	W. 35. 0	6	Para S. 1. 50	W. 49. 0
4	Natal S. 30. 0	E. 30. 0	2	Olmütz N. 49. 20	E. 17. 10	6	Paracata S. 16. 0	W. 48. 0
11	Natchez N. 31. 30	W. 91. 15	2	Olonetz N. 61. 0	E. 33. 0	6	Paraguay S. 25. 0	W. 56. 0
1	Navigator's I. S. 15. 0	W. 169. 0	2	Olviopol N. 48. 0	E. 31. 0	6	Paraguay, R. S. 22. 0	W. 58. 0
2	Naze, The N. 58. 10	E. 7. 0	9	Omagh N. 54. 35	W. 7. 16	6	Paramaribo N. 6. 0	W. 52. 30
1	Necker, I. N. 22. 0	W. 164. 0	3	Oman N. 23. 0	E. 52. 0	6	Parana, R. S. 30. 0	W. 60. 0
6	Negro, R. S. 2. 0	W. 63. 0	2	Onega N. 63. 45	E. 38. 5	6	Paraiba S. 7. 40	W. 36. 0
2	Negropont. N. 48. 0	E. 24. 0	2	Onega, L. N. 61. 45	E. 35. 0	2	Paris N. 48. 50	E. 2. 20
3	Nepaul N. 27. 0	E. 85. 0	2	Onega, R. N. 62. 30	E. 38. 0	2	Parma N. 44. 40	E. 10. 40
3	Nertchinsk N. 51. 40	E. 115. 20	5	Ontario, Lake N. 43. 0	W. 78. 0	6	Parnaiba, R. S. 7. 0	W. 40. 0
2	Nettuno N. 41. 25	E. 12. 40	1	Oonalaska N. 53. 10	W. 164. 0	2	Paro, I. N. 36. 40	E. 25. 10
10	Nevers N. 47. 0	E. 3. 12	1	Oparo I. S. 28. 0	W. 145. 0	5	Parry Isles N. 75. 0	W. 110. 0
7	Newark N. 53. 5	W. 0. 48	2	Oporto N. 41. 10	W. 8. 25	11	Partland N. 43. 24	W. 70. 2
11	Newbern N. 34. 59	W. 77. 10	3	Oran N. 16. 0	W. 0. 40	6	Patagonia S. 45. 0	W. 70. 0
7	Newcastle (under Line) N. 53. 2	W. 2. 13	2	Orbetello N. 42. 30	W. 11. 20	3	Patna N. 25. 35	E. 85. 10
			2	Orebro N. 59. 20	E. 15. 40	4	Patta S. 2. 0	E. 40. 30

INDEX OF LATITUDES AND LONGITUDES FROM GREENWICH.

No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.	No. of Map.	Latitude. Deg. Min.	Longitude. Deg. Min.
5	Vancouver's I. ... N. 49. 0	W. 125. 0	4	Wara N. 14. 0	E. 23. 0	7	Woodstock N. 51. 54	W. 1. 12
11	Vandalia N. 38. 50	W. 89. 12	7	Wareham N. 50. 41	W. 2. 8	7	Worcester..... N. 52. 12	W. 2. 13
2	Vannes N. 47. 38	W. 2. 42	7	Warrington N. 53. 23	W. 2. 36	7	Worksop N. 53. 20	W. 1. 7
6	Varinas N. 75. 30	W. 70. 5	2	Warsaw N. 52. 5	E. 21. 30	7	Wragby N. 53. 18	W. 0. 16
2	Varna N. 43. 19	E. 27. 58	7	Warwick N. 52. 21	W. 1. 38			
2	Velikie Luki N. 56. 40	E. 31. 0	2	Wasa..... N. 63. 0	E. 21. 50			
2	Velikoustoug ... N. 60. 30	E. 46. 0	5	Washington N. 39. 0	W. 77. 10			
2	Venice N. 45. 38	E. 12. 14	1	Washington, or } S. 10. 0	W. 140. 0			
2	Venice, Gulf of... N. 44. 0	E. 15. 0		Marquesas, Is. }		6	Xingu, R. S. 9. 0	W. 53. 0
5	Vera Cruz..... N. 19. 0	W. 96. 0	9	Waterford..... N. 52. 13	W. 7. 8			
10	Versailles N. 48. 48	E. 2. 10	7	Wells N. 51. 14	W. 2. 40			
10	Vesoul N. 47. 35	E. 6. 10	7	Wenlock N. 52. 35	W. 2. 34			
2	Vesuvius, Mt. ... N. 40. 50	E. 14. 30	7	Westbury N. 51. 17	W. 2. 10	3	Yablony, or Sta- } N. 55. 0	E. 135. 0
2	Vetlougga N. 57. 40	E. 46. 0	1	Western Isles ... N. 38. 0	W. 28. 0			
2	Viatka N. 58. 0	E. 49. 0	2	Western Isles ... N. 57. 30	W. 8. 0	4	Yaloofo N. 16. 0	W. 17. 0
2	Viborg N. 56. 35	E. 9. 25	1	West Indies N. 20. 0	W. 60. 0	3	Yambo N. 22. 30	E. 39. 20
2	Vienna N. 48. 5	E. 16. 18	7	Wetherby N. 53. 57	W. 1. 22	3	Yamsk N. 61. 20	E. 153. 0
2	Vincent, Cape, St. N. 37. 4	W. 9. 10	2	Wettern Lake ... N. 57. 30	E. 15. 0	1	Yap N. 10. 0	E. 140. 20
2	Vishnei Volotchol N. 57. 50	E. 34. 0	9	Wexford N. 52. 20	W. 6. 29	2	Yarenski N. 62. 0	E. 49. 0
2	Vistula, R. N. 53. 0	E. 19. 0	7	Weymouth N. 50. 36	W. 2. 26	7	Yarmouth, Gt. ... N. 52. 38	E. 1. 43
2	Vitegra N. 61. 10	E. 37. 0	7	Whitby..... N. 54. 29	W. 0. 37	4	Yarraba..... N. 8. 0	E. 7. 0
2	Vitcheqa, R..... N. 61. 30	E. 52. 0	7	Whitehaven N. 54. 34	W. 3. 35	3	Yellow Sea N. 38. 0	E. 121. 0
3	Viziapour N. 17. 10	E. 76. 0	2	White Sea..... N. 66. 30	E. 40. 0	7	York N. 53. 58	W. 1. 5
2	Vladimir N. 56. 40	E. 41. 10	9	Wicklow N. 52. 59	W. 6. 3	11	York .. N. 37. 5	W. 76. 45
2	Volga, R. N. 47. 0	E. 46. 0	8	Wick..... N. 58. 27	W. 3. 11	1	York's, Duke of. I. S. 7. 0	W. 171. 0
2	Volmar N. 57. 14	E. 28. 0	2	Widin N. 44. 0	E. 23. 0	9	Youghall N. 51. 58	W. 7. 52
2	Vologda N. 58. 10	E. 37. 40	7	Wigan N. 53. 32	W. 2. 39	4	Youri N. 11. 0	E. 6. 40
2	Volsk N. 52. 10	E. 47. 0	8	Wigtown N. 54. 54	W. 4. 22	10	Yrieux, St. N. 45. 32	E. 1. 10
2	Vorona, R. N. 52. 0	E. 42. 30	8	William Fort ... N. 56. 49	W. 5. 6	5	Yucata N. 20. 0	W. 89. 0
2	Voronez N. 51. 40	E. 39. 55	5	William's Land, } N. 69. 0	W. 99. 0	3	Yukaghiri N. 69. 0	E. 135. 0
2	Vyborg N. 60. 50	E. 29. 0		King }				
			11	Wilmington N. 34. 10	W. 77. 50			
			2	Wilna N. 54. 45	E. 25. 35			
			7	Winchester N. 51. 4	W. 1. 18			
			2	Windau..... N. 57. 25	E. 21. 40			
			7	Windsor N. 51. 28	W. 0. 33			
			5	Winnipeg, Lake. N. 52. 0	W. 97. 0			
			7	Wirksworth N. 53. 6	W. 1. 36			
			2	Witepsk N. 55. 30	E. 29. 50			
			12	Witt's Land, De. S. 20. 0	E. 120. 0			
			7	Wolverhampton . N. 52. 34	W. 2. 8			

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EUROPE.

English Miles
100 200 300 400 500



ASIA.

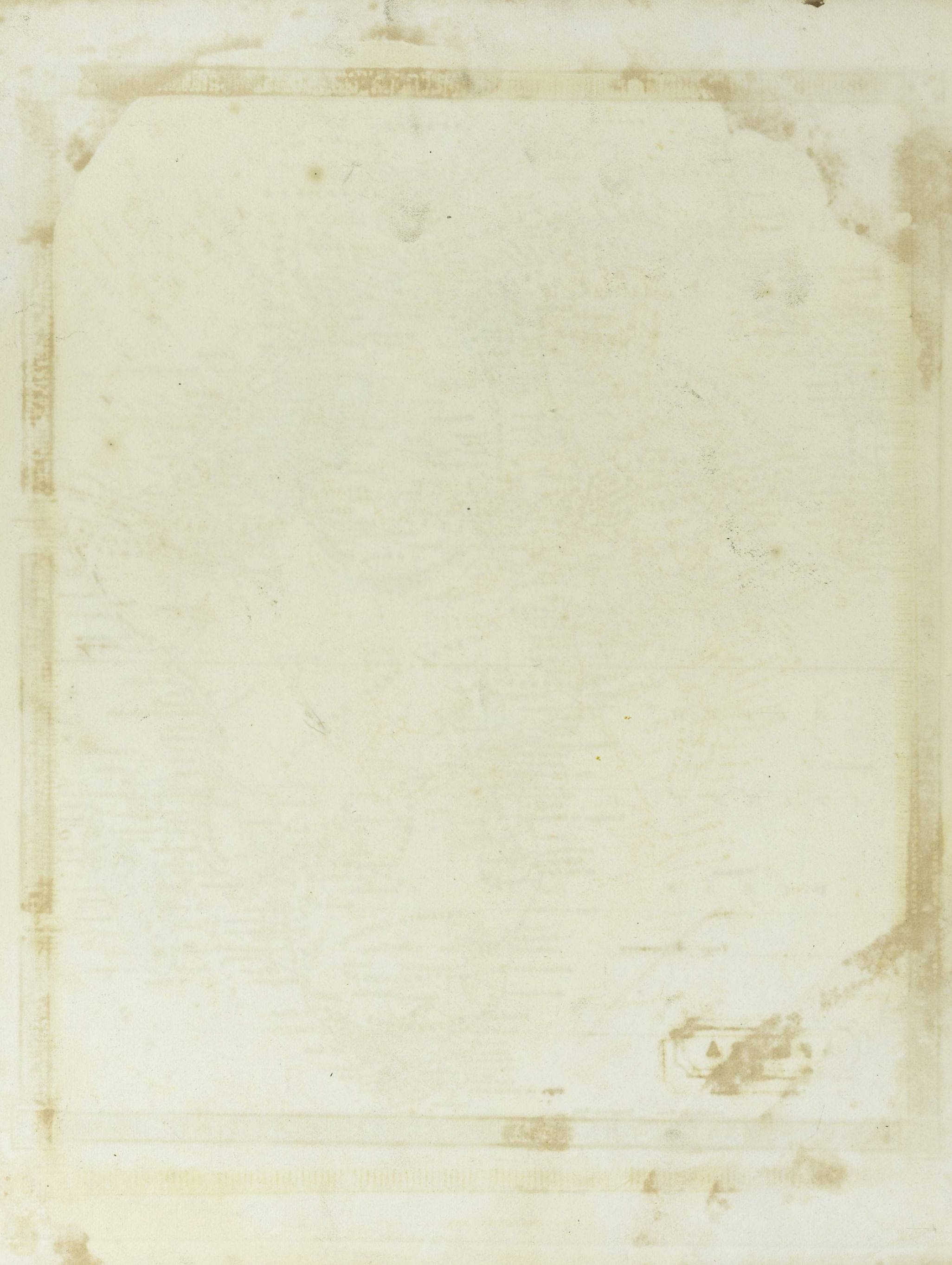
English Miles
200 400 600



London, DARTON & CLARK, 58, Holborn Hill.

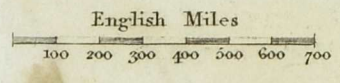








NORTH AMERICA.



Longitude West from Greenwich.

AMERICAN
SOCIETY

AMERICAN
SOCIETY



SOUTH AMERICA

1870

1870

1870

1870

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1870

1870

1870

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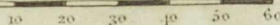
1870

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ENGLAND & WALES.

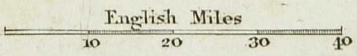
English Miles







IRELAND



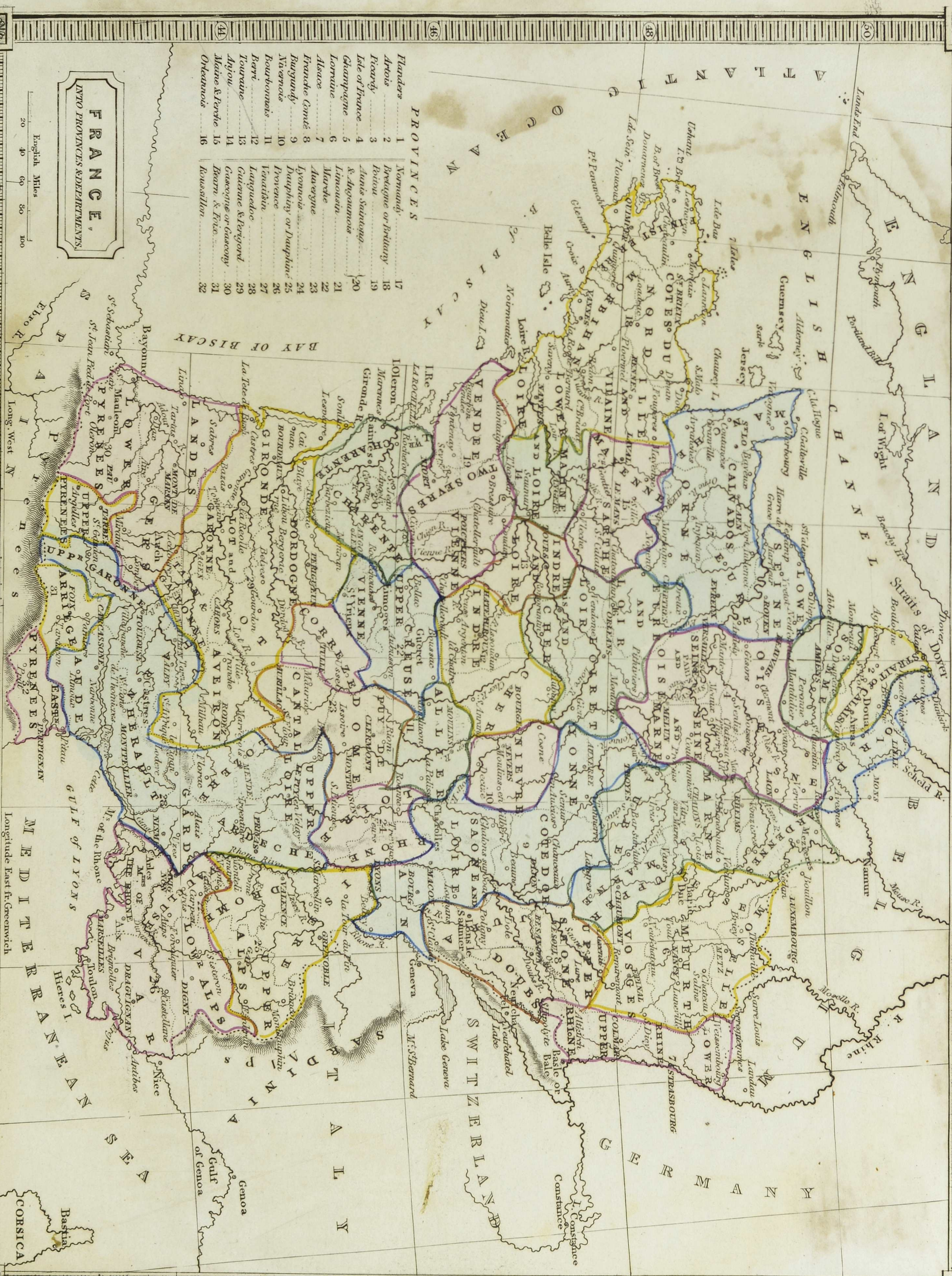
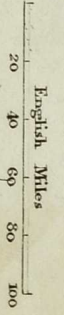
Longitude West from Greenwich



PROVINCES

1	Normandy	17
2	Brittany or Brittany	18
3	Belgian	19
4	Flanders	20
5	Champagne	21
6	Lorraine	22
7	Alsace	23
8	Franche Comté	24
9	Burgundy	25
10	Navernois	26
11	Bourbonnais	27
12	Berry	28
13	Touraine	29
14	Maine & Perche	30
15	Orléanais	31
16	Roussillon	32

FRANCE
INTO PROVINCES & DEPARTMENTS.







UNITED STATES

English Miles
50 100 150 200 250 300

Longitude West from Greenwich

