№I

Map of
THE WORLD
Illustrating the principal features of
THE LAND
AND THE
CO-TIDAL LINES.

The light Curved lines crossing the water are Co-tidal lines, and the Roman Numerals attached, represent the hour of high water at Ave & Full Moon along their course.

The strong Black lines represent the mountain ranges their relative hight is indicated by the strength of the line.
Sandy or Stony Deserts are represented thus
Prairies, Savannahs, Llanos, Pas upas & Steppes
The Selvas or Forest plains of the Amazon.
The Tundras or Marshy plains of Northern Siberia.

LIST OF TABLE LANDS OR PLATEAUS.

Mongolia, higher parts about 4000	feet above sea.	
Tibet	12,000	feet
Pamer	15,000	feet
Decoan	2,000	feet
Afghanistan & Beloochistan	6,000	feet
Armenia	6,000	feet
Asia Minor	4,000	feet
Arabia		
Abyssinia	6,000	feet
Great Karroo	2,000	feet
Great Karroo	1,400	feet
Bavaria, (Central therein)	1,600	feet
Spain	2,000	feet
Scotland (S.E. & W. parts of)	1,000	feet
Brazil and South America (part of)		
Beloochistan	3,000	feet
Mexico	9,000	feet
Central America (Guatemala)	8,000	feet
Quito	9,000	feet
Faroe	11,000	feet
Potosi, or Titicaca	13,000	feet

PLAINS OR LOWLANDS.

Siberia	
China (N.E. part)	
Siam	
Hindoostan	
Turkestan	
Irak-Arabi	
Lower Egypt	
Soudan or Negroland	
Europe (Eastern part)	
Europe (North eastern part)	
Hungary	
Interior of South America from Gulf of Mexico to Arctic Ocean	
Interior of South America embracing Valleys of the Orinoco, Amazon & La Plata	

Entered according to Act of Congress in the Year 1851 by J.H. Colton & Co. in the Clerks Office of the District Court of the United States for the Southern District of New York.

№II

Map of
THE WORLD
Showing the principal
OCEAN CURRENTS
& Boundaries of
RIVER SYSTEMS.

The Arrows show the general direction of the Currents; those with points at each end indicate currents which alternate in direction, with the seasons.
The Dotted lines upon the land, mark the boundaries between the different River Basins.

LIST OF RIVERS, THE FIGURES IN THE IST COLUMN EXPRESS THE LENGTH OF EACH RIVER IN ENGLISH MILES & THOSE IN THE 2ST COLUMN THE AREA OF ITS BASIN IN ENGLISH SQUARE MILES.

Thames	215	4,160	Xingu		1,500	Mackenzie	1,200
Severn		8,500	Danube	1,620	300,000	Amour	2,500
Tweed		96 1,970	Dniester		720	Lena	3,500
Shannon		224 6,846	Dnieper		1,200	300,000	Yenesei
Tagus		510 24,000	Don		1,200	328,000	Obi
Loire		570 40,000	Volga		2,100	550,000	Indus
Rhine		450	Euphrates		1,800		Amoor-Dara
Elbe		700 19,000	Sihon				Yellowriver
Oder		650	Indus (Punj.)		740		Sungari
Vistula		315 78,000	Nile		2,250	1,200,000	Quorra
Po (Italy)		80	Tonzari		2,000	1,100,000	Gambia

Wiluimarre		10	Otsego	8,280	
Lemond		30	Dead Sea	580	
Neagh		156	Drumrosh	1,800	
Geneva (L.)		340	Caspian Sea	170,000	
Constance (L.)		208	Aral	26,000	
Balaton (L.)		150	Baikal	14,000	
Wener		1,256	Ballash	7,000	
Wetter		640	Zaisan	1,000	
Ladoga		6,330	Tengerivar	1,800	

LIST OF PRINCIPAL LAKES,
WITH THE AREA OF EACH IN ENGLISH SQUARE MILES.

Ontario	8,500	Keko-nor	1,500	Winnipeg	9,000
Erie	10,000	Balkol	14,000	Superior	45,000
Champlain	600	Tongting	6,000	Michigan	13,500
Huron	20,000	Poyang	3,600	Huron	16,500
Michigan	13,500	Baikal	15,000	Eric	11,000
Superior	45,000	Dalai	1,500	Ontario	12,000
Winnipeg	9,000	Aibi	1,800	Titicaca	3,200
Athabasca	3,000	Tengerivar	1,800	Maracaybo	3,000
Slave L.	2,000	Aral	26,000	Titicaca	15,000

№III

The light waved lines which cross the Map from East to West, are Isotherms (or lines of equal mean temperature) and the figures attached to each mark the degree of mean annual heat which it represents and which is the same in all places through which it passes

The regions within which revolving (or whirling) storms have been ascertained to prevail, are indicated thus

NORTHERN REGION OF VARIABLE WINDS IN WHICH SOUTH WESTERLY CURRENTS OF AIR PREDOMINATE

REGION OF THE NORTH EAST TRADE WIND

ZONE OF CALMS FREQUENTLY INTERRUPTED BY VIOLENT STORMS (Doldrums)

REGION OF THE SOUTH EAST TRADE WIND

SOUTHERN REGION OF VARIABLE WINDS OF WHICH NORTH WESTERLY CURRENTS OF AIR PREDOMINATE

DISTRICT OF THE TYPHOONS

N.E. TRADE WIND

ZONE OF CALMS

REGION OF THE MONSOONS or Periodical Winds

REGION OF THE SOUTH EAST TRADE WIND

RAIN MAP

NORTHERN ZONE OF VARIABLE RAINS

SOUTHERN ZONE OF VARIABLE RAINS

Map of
THE WORLD
Illustrating
THE PRINCIPAL FEATURES OF
METEOROLOGY.

In the Smaller Map the shading is darker in proportion as the quantity of Rain, which falls annually is greater.

№IV

Map of
THE WORLD
Showing the
DISTRIBUTION AND LIMITS
of Cultivation of
THE PRINCIPAL PLANTS
USEFUL TO MANKIND

Chart Showing
THE VERTICAL RANGE
OF
VARIOUS PLANTS

№V

Map of
THE WORLD
Showing the GEOGRAPHICAL DISTRIBUTION & Ranges of
THE PRINCIPAL MEMBERS OF
THE
ANIMAL KINGDOM

BIRD MAP

EXPLANATION

The general Ranges of the principal Animals is shown, either by continuous lines drawn below their names, or by the various dotted lines, which mark their limits of distribution. Nearly the whole of those here illustrated belong to the class Mammalia.

№VI

Map of
THE WORLD
Illustrating the
PRODUCTIVE INDUSTRY
OF VARIOUS COUNTRIES,
Exhibiting the principal features of
COMMERCE & NAVIGATION

Principal Steamship Routes shown thus

STATISTICAL TABLE OF THE PRINCIPAL COUNTRIES. THE FIGURES IN THE 1ST COLUMN EXPRESS THE AREA IN ENGLISH SQUARE MILES. THE 2ST THE POPULATION. & THE 3ST THE NUMBER OF INHABITANTS TO A SQUARE MILE.

Assyrian	300,000	2,000,000	6	Canada	347,800	1,501,666	2	Jamaica	6,400	377,598	59
Austrian Empire	240,943	33,000,000	160	Cape Colony	130,000	187,000	1	Japan	165,127	25,000,000	151
Barbary Territories	800,000	10,000,000	13	Central America	109,164	2,100,000	19	Java	50,000	13,900,000	250
Belgium	13,598	4,873,000	360	Chili	240,952	1,556,000	6	La Plata & Patagonia	1,000,000	1,434,000	1
Bolivia	473,299	2,326,000	5	China	1,000,000	423,000,000	396	Mexico	822,810	8,400,000	10
Brazil	2,323,806	7,678,000	3	Cuba	47,316	1,024,000	21	New Grenada	511,810	2,302,000	4
British Isles				Denmark (Dominions of)	75,000	2,065,000	28	Norway	122,000	1,434,000	12
England	58,387	18,545,000	372	Ecuador	500,000	1,500,000	3	Persia	424,000	16,000,000	38
Wales	7,490	1,113,000	150	Egypt	180,000	1,500,000	10	Peru	466,738	1,206,000	4
Scotland	31,324	2,910,000	93	France	212,241	35,783,000	173	Philippine Is.	114,274	1,600,000	14
Ireland	31,013	6,787,000	187	Germany	191,962	32,568,000	228	Portugal	35,233	3,569,000	101
Sardinia	100,000	4,561,000	45	Guiana	6,400	377,598	59	Prussia	107,784	12,740,000	118
Spain	182,127	12,000,000	65	Hayti	29,570	1,200,000	41	Russian Empire	1,732,383	65,000,000	37
Sumatra	50,000	13,900,000	250	Japan	165,127	25,000,000	151	Sardinia	109,540	12,250,000	112
Sweden	247,000	4,434,000	1	Java	50,000	13,900,000	250	Spain	182,127	12,000,000	65
Switzerland	150,240	3,584,000	24	La Plata & Patagonia	1,000,000	1,434,000	1	Sumatra	247,000	15,000,000	60
Turkey-European	10,723	2,651,000	247	Mexico	822,810	8,400,000	10	Sweden	150,240	3,584,000	24
Turkey-Asiatic	511,810	2,302,000	4	New Grenada	511,810	2,302,000	4	Switzerland	10,723	2,651,000	247
Tuscany	108,384	15,500,000	6	Norway	122,000	1,434,000	12	Turkey-European	108,384	15,500,000	6
United States	2,973,564	31,749,000	11	Persia	424,000	16,000,000	38	United States	2,973,564	31,749,000	11
Venezuela	402,213	1,561,000	3	Peru	466,738	1,206,000	4	Venezuela	402,213	1,561,000	3
				Philippine Is.	114,274	1,600,000	14				
				Portugal	35,233	3,569,000	101				

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