INDEX.

Page.

AFRICAN RACE, future increase of, in the United States 7

AGRICULTURAL IMPLEMENTS—

Total value of 61

Increase of value in different sections 61

Decrease of, in some Southern States 61

Tabular statement of 169

AGRICULTURE—

Army worm destructive to 82

Associations, beneficial influence of farmers 100

Connexion of, with branches of industry 81

Cotton crop increased 110 per cent. in 10 years 84

tabular statement of 201

Dairy products 84

Great increase of 80

Butter, quantity produced 84

Cheese, quantity produced 84

nutritious and rich in flesh-forming constituents 84

exportation of 84

should be used in the army 84

Tabular statement of agricultural products in United States 196

Diseases of animals 100

Veterinary surgeons and schools needed 100, 101

Domestic animals, numbers of, estimated 84

Draining, great progress in estimation and practice 90

tile factories established 90

effects of underground 90

instance of success in 90

implement for making furrow and laying pipe 90

Exhibitions, beneficial influence of 100

Grain, aphis destructive to 82

Hay, quantity of 89

crop may be increased by introduction of best varieties of 89

Illinois the great cattle-raising State 80

Immense saving in Great Britain by new implements of 81

Implements, tables of value of 169

Improvements, progress in 80-89

animal force available through machinery 89

employment of steam 90

Indian corn, amount of crop and increase 84

indispensable to Great Britain 80

Influence of London Exhibition of 1851 on 80

Influence of, on Europe 80

Insects injurious to 83

Instruments adapted to tillage and harvesting 81

Introduction of new plants and animals 89

Irrigation necessary in Utah, New Mexico, and California 90

Meteorological observations, importance of, to farmer 101

Molasses, number of gallons imported 87

derived from Chinese sugar-cane 87

number of gallons made 88

New domestic animals 100

Orchards, product principally of apples and peaches 89

improved varieties of fruit introduced 89

pear affected by blight 89

Periodicals, forty, devoted to farming and gardening published 100

Products of, abundant at this important crisis 81

Page.

AGRICULTURE—
Ratio of increase greater than of population 80
Schools and colleges, but few now established 100
Sheep, number of, to square mile 85, 86
a necessity to good husbandry 86
fine wool varieties of 86
coarse mutton-breeds of 86
importation of foreign breeds 86
Randall's treatise on fine wool sheep-husbandry 87
Silk, production of 89
value of silks imported 89
Sugar, amount paid for imported 87
supplied by Chinese sugar-cane 87
maple, amount of product 88
Sorghum saccharatum or Chinese sugar-cane 80
Supply of staples adequate to any contingency 80
Threshing, winnowing, and cleaning machines 82
Threshing instruments, progress of invention of 90
primitive modes employed 91
ancient and modern forms of 91
use of machines proposed in Virginia in 1650 92
history of adoption of, in Great Britain 92
first inventor, Jethro Tull 92
Sterling's improvements 92
Evers's machine 93
Meikle's improved machine 93
description of Lee's 94
steam applied to 94
Sylvester, of Maryland, roller introduced by 95
first patent issued in this country, 1791 96
Mulliken's inventions 96
machines of Anderson, Wardrop, Prentiss, &c 96
patents from 1803–1810, and subsequently 97
Allen's threshing-machine 97
machines exhibited at World's Fair in New York, 1853 98
trial of machines at Paris 99
success of Pitt's American thresher 99
portable steam-engines for farms 99, 100
Tobacco, amount of crop 88
effect in impoverishing the soil 88
increase of product 88
raised in Northern States 88
Value of animals slaughtered 85
manufactures depending on 85
Various applications of invention to 81
View of condition and progress of 80
Wheat, quantity grown 82
increase of 83
Dr. Fitch on depredatory insects 82
Wine, very large increase in product 88
domestic wines increased 88
amount paid for imported 89
Wool, quantity of, produced 85
Wool, imports of 85
exports of 85
prices of 85
Randall's treatise on 87
general tables of productions of 196
ALCOHOL, manufacture of 65
APHIS, grain, Dr. Fitch's account of 82
ASSISTANT MARSHALS, number of (4,417) 1
AUSTRALIA, compared with United States, as adapted to production of wool 86

Page.

BANKS—
Increase of, an evidence of prosperity 75
Action of, the index of production and trade 76
Great expansion of 76
Comparison of condition of, with imports, exports, and population 76
Influence of failure of foreign harvests on 79
Prosperity of, in 1850 76
Great accumulation of capital 77
Number of, in New York city 77
Clearing system 77
Tables of 192
BEER, manufacture of 65
BENZINE OR BENZOLE 74
BLIND—
Taught in deaf and dumb institutions 36
First establishment for, in Paris, 1260 41
Hatty's experiments for instructing 41
First school for, in Great Britain, 1791 41
List of institutions for, in Great Britain and Ireland, when founded, and number of inmates 41
Associations for the relief of, in Great Britain 42
Institutions for, on the continent of Europe 42
Institutions for, in the United States, when founded, and number of inmates 43
Proportion of, in several States, and to whole population 44
Comparison of proportions of, in United States and Europe 45
Influence of climate on number of 46
Causes of blindness 46
Systems of printing for 46
Books for, now published 47
Employment of, worthy of consideration 48
BOOK AND NEWSPAPER PRINTING 63
BOOTS AND SHOES—
Great number of operatives in manufacture of 68
Number of establishments for making 68
Capital employed in manufacture of 68
Value of manufactured 69
Machinery used for manufacture 69
Table of 185
BREWERIES, number and value of 65
BRITISH CENSUS FOR 1861, facts from 112
BUREAU OF STATISTICS—
Establishment of, recommended 110
Importance of, to Congress and the country 111
CANALS AND RIVER IMPROVEMENTS, tabular statement of 233
CABINET FURNITURE, manufacture of 69
CANDLES, tables of 189
CENSUS OF GREAT BRITAIN FOR 1861, facts from 112
CENSUS OF IRELAND 113
CENSUS, EIGHTH, OF UNITED STATES, number of persons employed in taking, &c 1
CHEMICAL MANUFACTURES, increase of 70
CHEMISTRY, improvements in products of 70
CHOLERA, ravages of, in 1849 23
CITIES, population of 117
CLIMATE, effect of, on mortality 23, 22
CLOCKS, manufacture of 69
CLOTHING—
Labor employed in manufacture of 64
Table of 175
COAL—
Value of product of 63
Great increase in product of 63
Anthracite, statistics of product 63
Bituminous, statistics of product 63

Page.

COAL, table of 173
COLONIZATION OF FREE COLORED, average 400 per annum 8
COLORED EMIGRANTS, number of, sent to Liberia 8
COLORED RACE, future increase of, in the United States 7
COLUMBIA INSTITUTION FOR DEAF, DUMB, AND BLIND, account of 35
COMMERCE more easily appreciated than manufactures 60
CONCLUSION OF REPORT and general summary of results 118
CONGRESS, number of members of 20
COPPER, table of 173
COTTON, used in woollen manufactures 67
COTTON GOODS—
Value of, manufactured 65
Ratio of increase of manufacture of 66, 65
Rate *per capita* of production and consumption 66
Number of hands employed in manufacture 66
Average product of labor of operatives 66
Number of spindles 66
Quantity of cotton used, per spindle 66
Table of 180
CRASH, manufacture of 67
DEAF AND DUMB—
Historical references to 32
Instruction of, in England and Germany 33
Peculiarities of different systems of instructing 34
Number of schools for 35, 36
Grant by Congress to American asylum for 35
Numbers of, in Europe 36
Number of, regulated by general laws 37
Proportion of, to population 37
color 39
Effect of emigration on number of 39
Influence of climate and topography on number of 40
Tables of 168
DEATHS—
In United States for the year ending June 1, 1860 23
Ratio of, to living population, by States 22
Of foreigners in 1850 and 1860 23
Census of, deficient in numbers 24
In the United States by months and sexes 27
Reported by Surgeon General 28
Corrections in number of, estimate of 28
Influence of climate on 28
Classified by ages and by sex 29
Ratio of, in Europe 30
Annual, in United States 30
Corrections for deficient returns of 30
From different diseases 115, 116
Caused by violence or accident 116
From suicide 117
General tables of 138, 142, 162
DISEASES AND CAUSES OF DEATH—
Statistics of 114
Rule for estimating the number of sick 114
Epidemics and endemics 114
Zymotic diseases 115, 114
Prevailing during the year 1850 115
DISEASES—
Peculiarities of some forms of 116
The most fatal in United States 116
DURATION OF LIFE among colored persons 6
EDUCATION, general facts relative to 19

Page.
DEATHS, aid by government to promote 20
ELECTRO-METALLURGY, improvements in, applied to cheap jewelry 69
EMPLOYEES IN CENSUS OFFICE 1
EMANCIPATION, gradual, provided for by different States 10
ESTATE, REAL AND PERSONAL, increase in value, absolute and relative 79
EXPECTATION OF LIFE among colored persons 6
EXPENDITURES for the Census 1
FEMALES AND MALES, relative number of 9
FIRE-ARMS—
Improvements in 75
Reputation of American 75
Machinery for 75
Enfield rifle 75
Armstrong gun 75
Additional facts relative to 118
FISHERIES—
Decrease in value of product of 70
Value of oyster 70
Value of whale 70
Whale and fish oils supplied by lard and coal oils 70
Table of 188
FLAX—
Machinery for spinning perfected 68
A substitute for cotton 68
FLAX COTTON, manufacture of, commenced 68
FLOUR AND GRIST MILLS—
Product of 64
Table of 177
FOREIGNERS, deaths of, in 1850 and 1860 23
FOSSIL FUEL 63
FOUNDERIES, value of productions of 63
FREE COLORED POPULATION—
Increase of 6
Mortality of, in New England, &c 6
FRUIT 89
FUGITIVE SLAVES 11, 12, 137
FURNITURE—
Value of, made in 1860 69
Growth of manufacture 69
Employment to skilled labor given 69
Tabular statement of 186
GAS, ILLUMINATING—
Quantity and value of, manufactured 70
First mention of, production of 92
Table of 187
GOLD MINES, decrease in product of, in Atlantic States 63
GRIST AND FLOUR MILLS, product of 64
GROUPING OF STATES by situation, productions, &c. 8
IDIOCY, causes of 57
IDIOTIC—
Number of, decreased in ratio to population 57
Incapable of mental improvement 57
Number of in United States in 1860 58
Proportion of, to population 58
IMMIGRANTS—
Allowances and addition to be made in considering number of 14
Number of, in decades 14
Ages and sexes of, on arrival 15
Ages of, by decades 15
Residences selected by 16
Deaths of, on voyage 16

Page.

IMMIGRANTS—
Occupations of 16, 17
Number of 17
Nativities of 18

IMMIGRATION—
Prior to 1800 19
Influence of, on value of lands 19
INDIANS, table of population of tribes of 136
INDIAN SLAVERY, west of Arkansas 10, 11
INDUSTRIAL PRODUCTS 59, 190

INSANE—
Great and beneficial change in treatment of 48
First institution for, in America 48
Pennsylvania hospital for, opened 1752 48
Virginia hospital for, opened 1773 48
New York hospital for, opened 1791 48
Friends' Asylum, in Philadelphia, 1817 49
McLean Asylum, Massachusetts, 1818 50
Asylums for, established from 1815 to 1840 50
Association of medical superintendents of institutions for 51
American Journal of 51
Asylums established, 1850 to 1860 51
Government hospital for, in Washington, account of 52
Private establishments for 53
Table showing number of, in United States, in 1860, (free and slave) 57
INSANITY, intemperance the most productive cause of 50
INSECTS, injury from, to crops, and means of prevention 89
INSTRUMENTS, MUSICAL, manufacture of 69

INSURANCE—
Progress of, accompanies commerce and trade 78
Reasons for 78
Number of companies and amounts of risks in Massachusetts 78
Number of companies and amounts of risks in other States 79
Amount at risk in all the companies 79
Amount of losses in 1860 79
INTERNAL IMPROVEMENTS, influence of 80
INTERNATIONAL STATISTICAL CONGRESS 110

IRON—
Large productions of, an indication of progress 61, 62
Manufacture of, related to other interests 61, 62
Pig, quantity, value, and increase of 61
table of 170
Bar and other rolled, quantity, value, and increase of 61
table of 170
Materials for manufacture of, abundant 62
Independence of foreign supplies of 62
Founderies, value of productions of 63
table of 172

JEWELRY—
Manufacture of 69
Table of 187
KEROSENE OIL 73

LEATHER—
Manufacture of 68
Importance of, to agriculturists and stock-raisers 68
Tanning and currying establishments 68
Great number of operatives employed in manufacture of 68
Table of 184
LIFE TABLES, Halley & Carlisle's 31, 32

LINEN GOODS—
Manufacture of 67

Page.

LINEN GOODS—
Twine, shoe, and other thread mills 68
Flax cotton, improved manufacture of 68
LIQUORS, MALT—
Manufacture of 65
Table of 179
LIQUORS, SPIRITUOUS—
Manufacture of 65
Table of 178
LUMBER, SAWED AND PLANED—
Manufacture of 64
Increase of, and value 64
Improvements in manufactures of 64
Table of 176
MACHINERY—
Manufactures of 62
Value of product of general machinists and millwrights 62
Ratio of increase of, in different sections 62
Tables of 171
MALES AND FEMALES, comparison of relative number 9
MALT LIQUORS—
Increase in manufacture of 65
Value and amount of product 65
Number and location of breweries 65
MANUFACTURES—
Increase exhibited 59
Value of, in 1850 and 1860 59
Increase in value in 10 years 59
Product *per capita* 59
Number of persons supported by 59
Value of, only recognized from Census 60
Influence of, on civilization and wealth 60
Agricultural implements 61
Iron, abundant supply of materials for 62
Machinery 62
Water power abundant for, in United States 62
Sewing-machines 64
Intimate relation of, to agriculture and landed interests 64
Of flour and meal surpass all others in value of products and of raw material consumed 64
Progress of, in Europe 81
Books and newspapers 63
Boots and shoes 68
Cabinet furniture 69
Chemicals 70
Clothing 64
Cotton goods 65
Flour and meal 64
Furnishing goods, ladies' and gentlemen's 64
Furniture 69
Gas 70
Jewelry 69
Leather 68
Linen goods 67
Liquors, malt and spirituous 65
Lumber, sawed and planed 64
Musical instruments 69
New England rum from imported molasses 65
Salt 70
Sewing silks 68
Woollen goods 67
Table of 191
MANUMISSION OF SLAVES, statistics of 11

Page.
MANUMISSION OF SLAVES, tables of 137
MARSHALS—
Number of, (64) 1
Payments to 1
MECHANIC ARTS, importance and influence of 60
MILLS, FLOUR AND GRIST—
Product of 64
Increase and value of, in different sections of United States 65
Largest 65
MINES—
Coal, iron, lead, copper, zinc, gold, silver, &c 63
Tables of 173
MINING, large amount of capital and labor employed in 63
MISSISSIPPI RIVER, climatic effects of 26
MORTALITY—
Excessive among free colored in New England, &c 6
Statistics of 22
Importance and interest of statistics of 22
Rate of 22
In 1849, caused by cholera 23
Relative, in different sections 25
Effect of temperature and climate on 25
In the great Atlantic plain 26
In the alluvial tract of the Mississippi 26
In the Alleghany region 26
On the Pacific coast 27
In the northeastern and northwestern States 27
According to seasons, months, and sexes 27
According to *age* and *sex* 29
Ratio of, in Europe 30
Among different classes and occupations 31
Compared with topography 31
Comparison of, in cities and country 31
Importance to sanitary improvements in cities 31
Halley and Carlisle's life tables 31
Tables of 139-142-162
MUSICAL INSTRUMENTS—
Manufacture of 69
Table of 186
NEWSPAPERS—
Influence and statistics of 63-101
Table of 211
NORTHWEST, great resources of 5
NOTES 117
OIL, scarcity of whale and fish 70
Increased production of lard 70
Artificial and natural sources of 70
OIL, COAL—
Made, in 1846, by Dr. Gesner, of Nova Scotia 73
First company on Long Island 73
Breckinridge works on the Ohio 73
Candles manufactured from 74
Number of refineries or factories 74
OIL, PETROLEUM—
Rock or mineral 71
Found in foreign countries 71
History of discovery of 71
Bowditch and Drake's operations, Titusville, Pa., 1857 72
Wells and borings for, in 1859 and 1860 72
Statistics of trade in, and export of 73-79
Number of establishments for refining 74-73

Page.

OIL, PETROLEUM—
Manufacture of benzine, benzole, and candles from 74
Adapted to manufacture of gas 74
New and beautiful dyes produced from 74
PAPER, manufacture of 63
PAYMENTS—
Amount of, to marshals, &c 1
Suspension of, to some officers 1
PERIODICALS—
Statistics of 100,101
Table of 211
PERSONAL ESTATE—
Increase in value of 79
Table of 194,195
PETROLEUM OIL 71
PIANO FORTES, manufacture of 69
PLATED WARES, manufactures of 69
POPULAR REPRESENTATION fixed by law in 1850 20
POPULATION IN 1860, general table, by States 2
POPULATION—
Influx of foreign 3
General rate of increase, in decades 3
Table of decennial increase 133
Density of, in New England States 4
Effect of manufactures and commerce on 4
Limit to increase of, in rural districts 3
Gain of Indiana, Michigan, Wisconsin, and Iowa 5
Of slaveholding States 5
Actual gain of, in slaveholding States 5
Of free States, and increase 5
Disproportion in rate of gain of, between North and South 5
Progress of, from 1790 to 1860 5
Progress of free colored 6,7
Progress of slave 6,7
Estimate of, in the years 1870, 1880, 1890, and 1900 7,8
Of States by groups or sections 8
Table of, by sexes 134
Relation of, to wealth 80
Table of, by States and Territories 129
Table of, by counties 245
Of cities and towns 117
Table of 242
Table of Indian 136
PRESS—
The public 63,101
Origin and gradual development 102
Earliest English newspaper 102
Number and increase of different classes of papers 103
Circulation of newspapers 103
PRINTING—
Influence of diffusion of 63
Value of book 63
Table of 174
PRINTING PRESS—
Influence of, on character of our army 63
Used by soldiers in the field, emigrants, &c 63
Effects of unprecedented increase of 63
PRINTING PAPER, increase in manufacture of 63
PRODUCTS OF INDUSTRY 59-190
PROGRESS, causes of our national 9
PROPERTY, value of and increase 79

Page.

RAILROADS—
Great expenditures in construction of 77
Progress of, during decade, 1850–'60 103
Number of miles in operation 103
History of different principal roads 104
Tonnage of railroads in New York for 1860 105
Massachusetts 105
Estimate of tonnage of all the roads in United States 105
Length of interior roads and tons transported 106
In the United States 214
In Alabama 223
In Arkansas 224
In California 229
In Connecticut 217
In Delaware 220
In Florida 223
In Georgia 222
In Illinois 227
In Indiana 226
In Iowa 226
In Kentucky 225
In Louisiana 224
In Maine 214
In Maryland 221
In Massachusetts 215
In Michigan 227
In Mississippi 223
In Missouri 229
In New Hampshire 214
In New Jersey 218
In New York 217
In North Carolina 222
In Ohio 225
In Oregon 229
In Pennsylvania 219
In Rhode Island 217
In South Carolina 222
In Tennessee 224
In Texas 224
In Vermont 215
In Virginia 221
In Wisconsin 228
Total in the United States 230
City passenger 231
In Boston 231
In Brooklyn 232
In Cincinnati 233
In Hoboken 232
In New York 232
In Philadelphia 232
In St. Louis 233
Recapitulation of 233
Number of miles in operation 234
In Gulf States 235
In Interior States North 235
In Interior States South 235
In Middle Atlantic States 234
In New England States 234
In Pacific States 235
In Southern Atlantic States 234
Total United States 235

Page.

RAILROADS—
Number of miles brought into use during each year from 1851 to 1860, inclusive 236
In Gulf States 237
In Interior States North 237
In Interior States South 237
In Middle Atlantic States 236
In New England States 236
In Pacific States 237
In Southern Atlantic States 236
Total United States 237

REAL ESTATE—
Increase in value of 79
Table of 194

REBELLION, the influence of, on our prosperity 118, 119

RELATIVE POSITION OF STATES IN AREA, POPULATION, &c., diagram and table 117

REPRESENTATION—
Preponderance of, advancing westward 21
Comparison of, in old and new States 21

REPRESENTATIVES—
Apportionment of 20
Decrease in number of 20
Number fixed by law in 1850 20
Number of, in 38th Congress 20
Increase in number of 20

RIBBONS, manufacture of 68

RUM, manufacture of 65

SALT—
Number of establishments for making 70
Value of production of 70
States where produced 70
Sixty per cent. made in New York State 70
Table of 188

SANITARY improvement 31

SCHOOLS—
Scholars in, during 1860 19
Appropriation of land for 20

SEWING MACHINES—
Export of 64
Table of 174

SHEEP RAISING, greatly extended since 1850 67

SHIPS, number and class of, built in each State in 1860 107

SILK, chief manufactures of, consist of dress trimmings, coach lace, &c 68

SILKS, SEWING, manufacture of 68

SILVER WARE, manufacture of 69

SLAVERY—
Origin of 9
Abolition of, in Northern States 10
Indian tribes maintaining 11, 10
When and where abolished 10

SLAVES—
Number of, and rate of increase 8
Tables of manumitted and fugitive 137
Introduction of Indian, in West Indies 9
Introduction of Africans into Brazil, &c 9
Introduction of Africans into United States 9
Not to be introduced from abroad into Virginia after 1778 10
Not to be introduced from abroad into Maryland after 1783 10
Fugitive 12, 11
Manumission of 11

SLAVE-TRADE of different nations 10

SOAP AND CANDLES, tables of 189

Page.
South America compared with United States as adapted to production of wool 86
Spirits, manufacture of, from domestic materials 95 per cent 65
State Registry of births, marriages, and deaths 24
Steam Engines, tables of value of 171
Stove Founderies, extensive, in New York 63
Tanning and Currying Establishments 68
Taxation, assessment of property for 79
Territories, increase in number of 3
Tonnage of the United States—
Decrease by decay, wreck, &c 106
Amount built in each decade since 1815 106
Number and class of vessels built in each State 107
Statistics of, showing a loss of 2½ per cent. per annum 108
Tonnage of the United States—
Tonnage owned in New York and built in 1859–'61 109
Amount built in different States 109
Value of, in United States in 1861 109
Vaccination 31
Value of Real and Personal Estate 79
Vessels, number and class of, built in each State in 1860 107
Warfare, implements of, improvements in 75
Watches, manufacture of 69
Wealth—
Increase of, in real and personal estate 79
Estimate of, to be modified by residence 80
Relation of population to 80
Effect of internal improvements on 80
Wheat 82
Whiskey, manufacture of 65
Wool—
Quantity of, produced 67
Large quantities of, still imported 67
Woollen Goods—
Increase in, and value of manufacture 67
Number of establishments 67
Capital invested in 67
Hands, spindles, and looms employed 67
Quantity of wool consumed in 67
Proportion of, made in different States 67
Shipment of wool to Europe 97
Importance of extension of 67
Essential for clothing in our climate 67
Importation of wool still necessary for 67
Tabular statement of 182