

Taming Treacherous Data | DHSI 2018 | Day 2 AM | Deck 4

Historicizing Visualizations

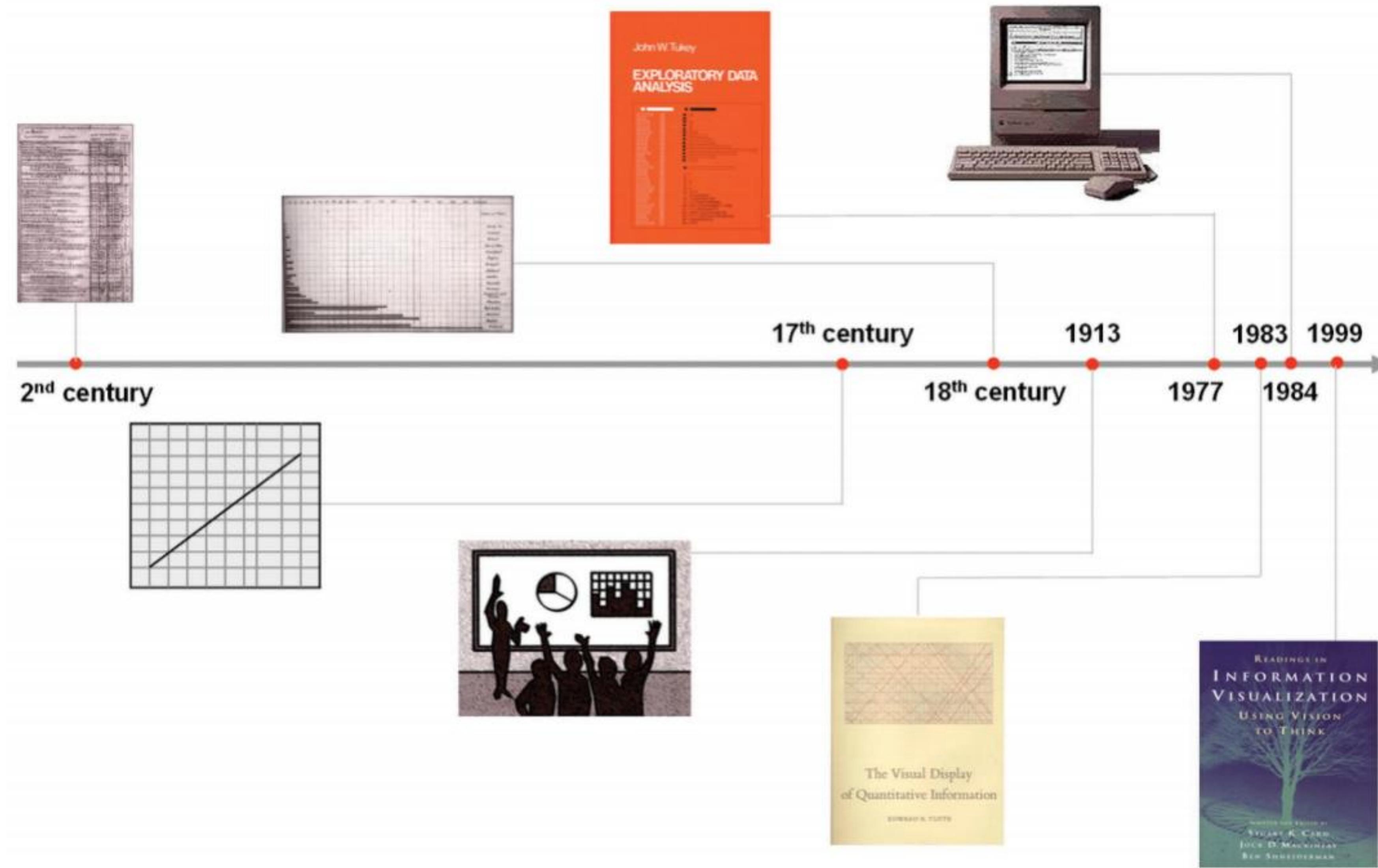


Figure 1: History of data visualization timeline

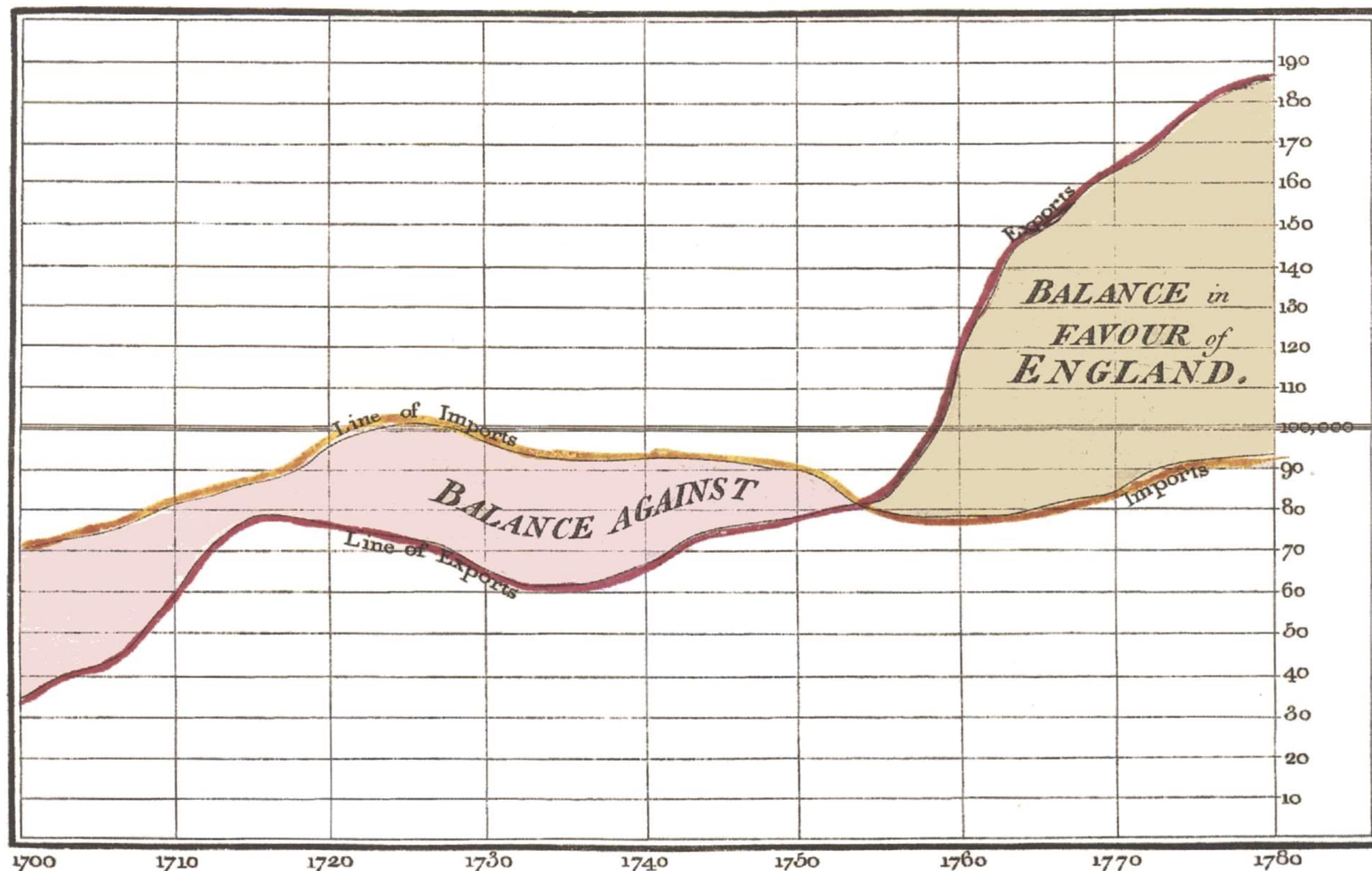


The Earl of Arundel points to a colonial venture in Madagascar

William Playfair

1759–1823

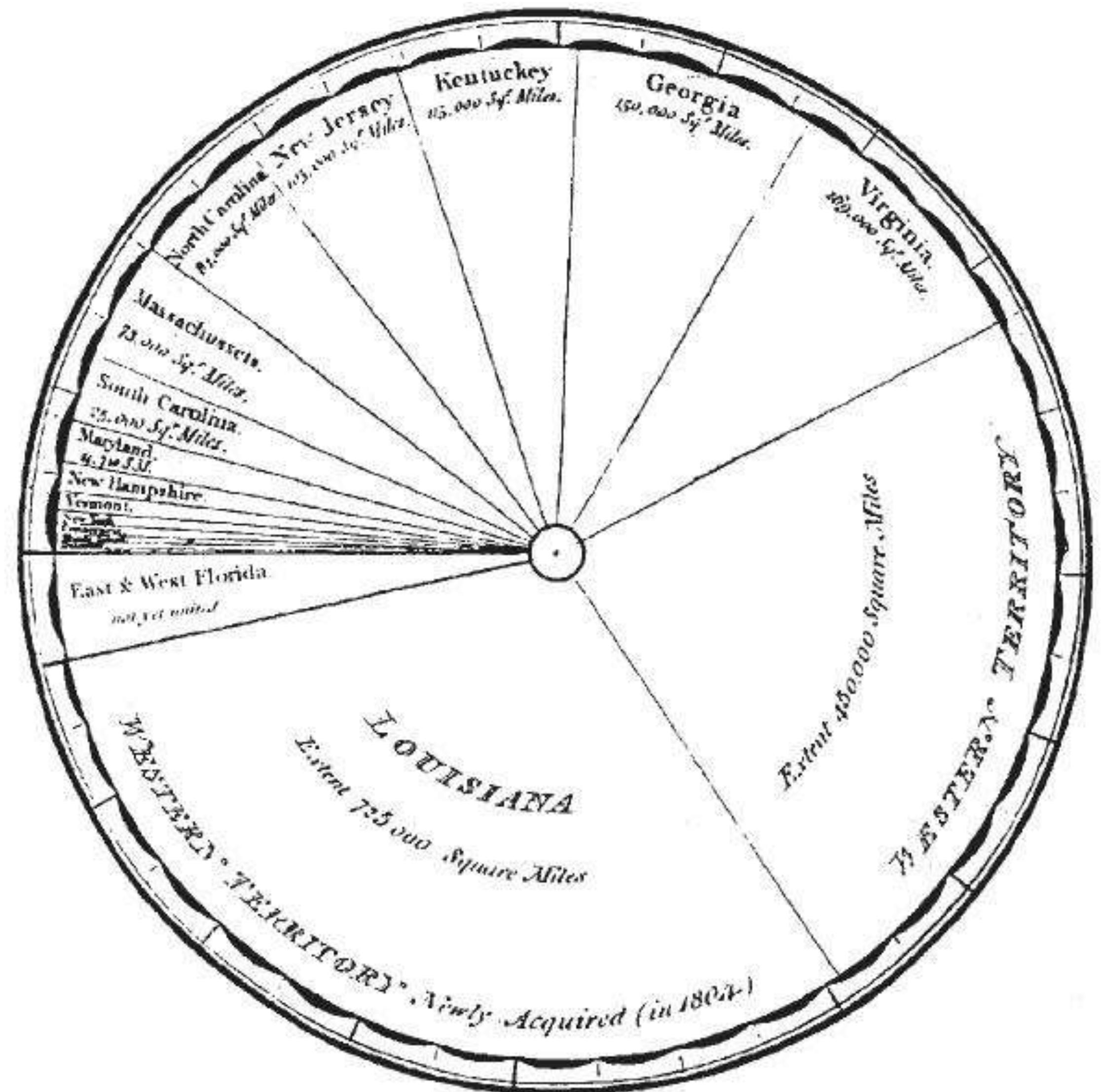
Exports and Imports to and from DENMARK & NORWAY from 1700 to 1780.



The Bottom line is divided into Years, the Right hand line into £10,000 each.

Published as the Act directs, 14th May 1786, by W^m Playfair

Neale sculpt: 352, Strand, London.



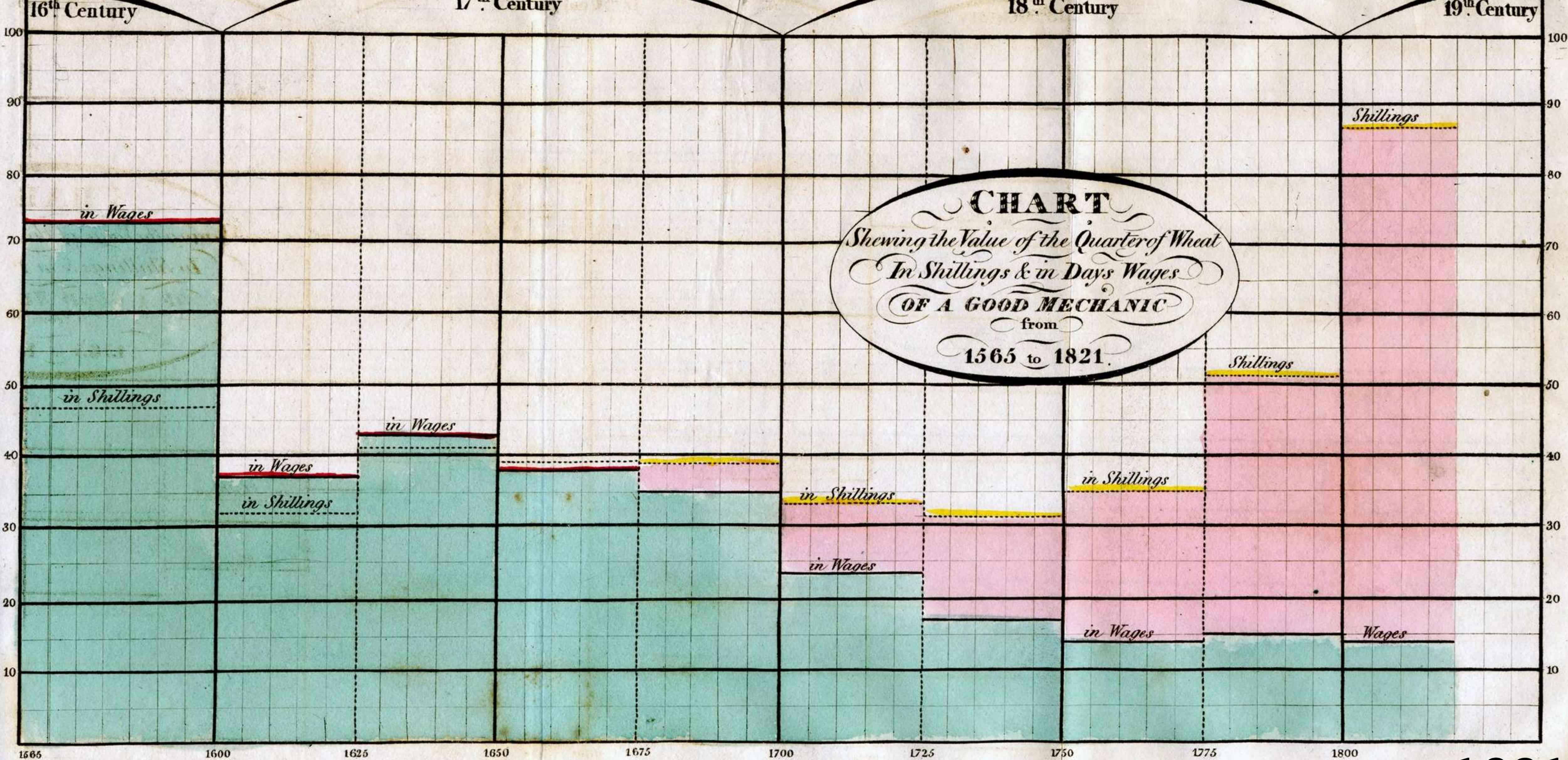
STATISTICAL REPRESENTATION of the UNITED STATES of AMERICA.

J.W. PLAYFAIR

The Sunburst Method is intended to show the Proportions between the divisions in a striking manner.

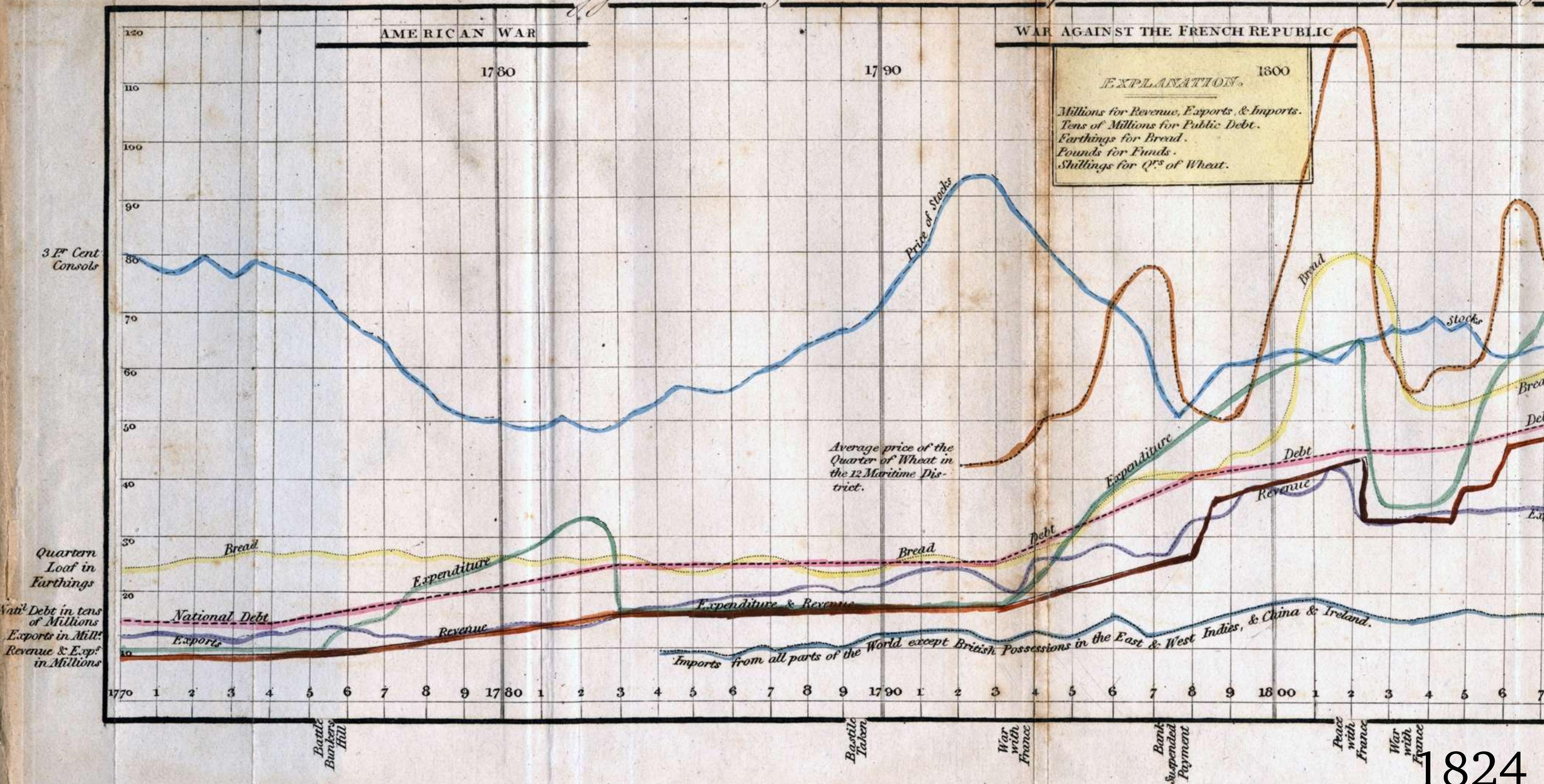
Total Extent 1,224,000 Square Miles or 1224 Millions of Acres.

Nº3.



1821

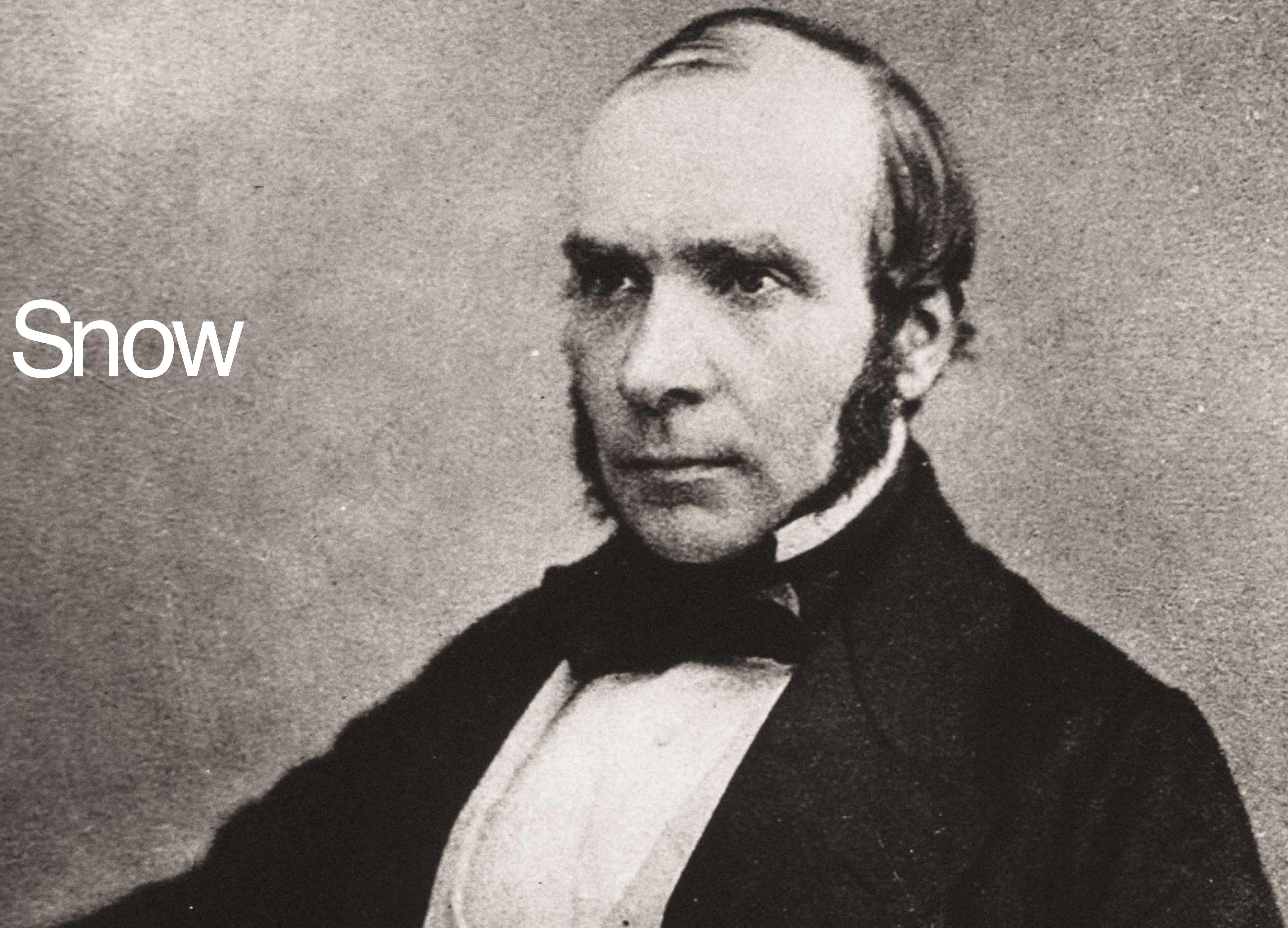
Linear Chronology, Exhibiting the Revenues, Expenditure, Debt, Price of Stocks &



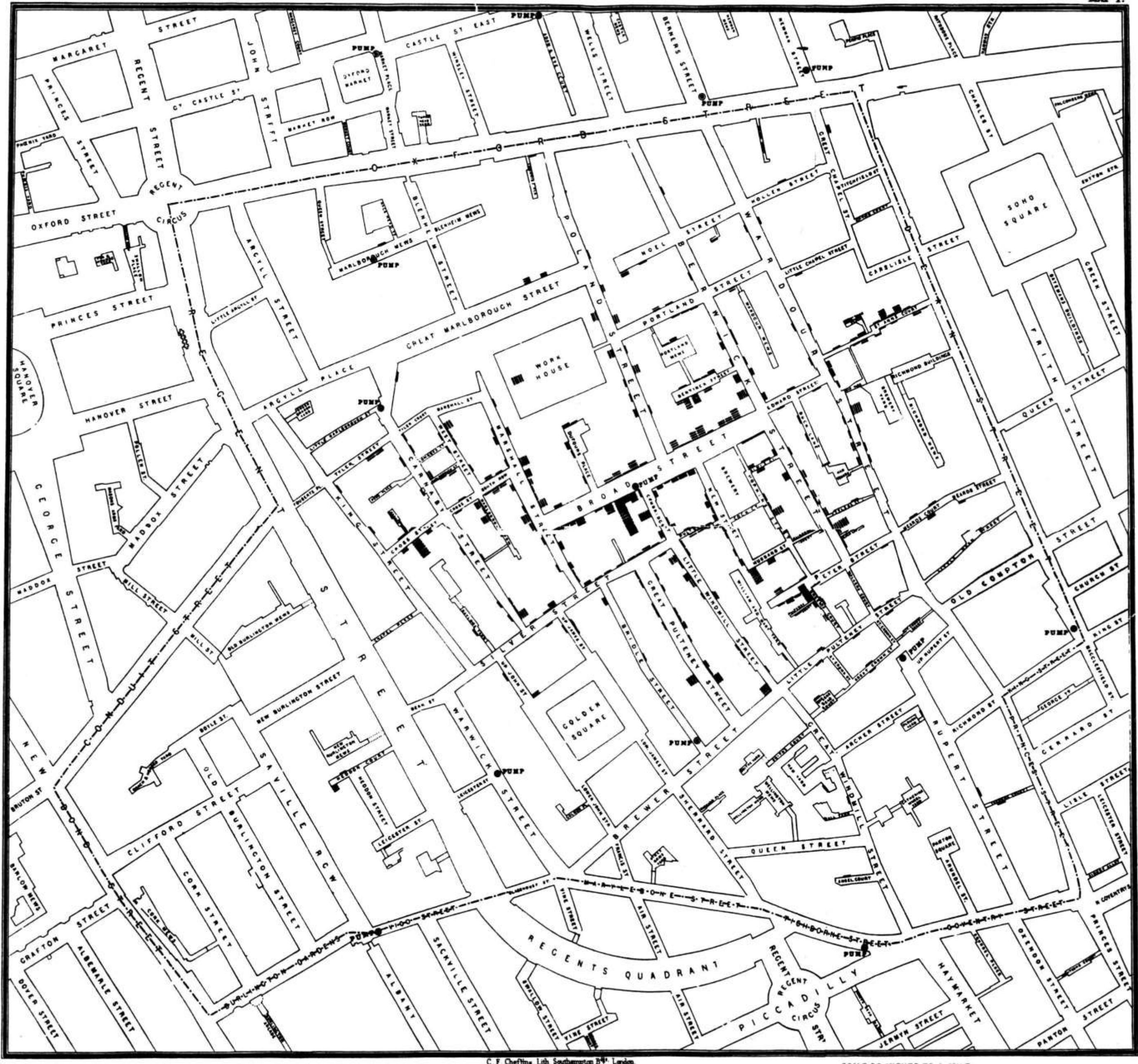
John Snow

1813–1858

John Snow



MAP Z.



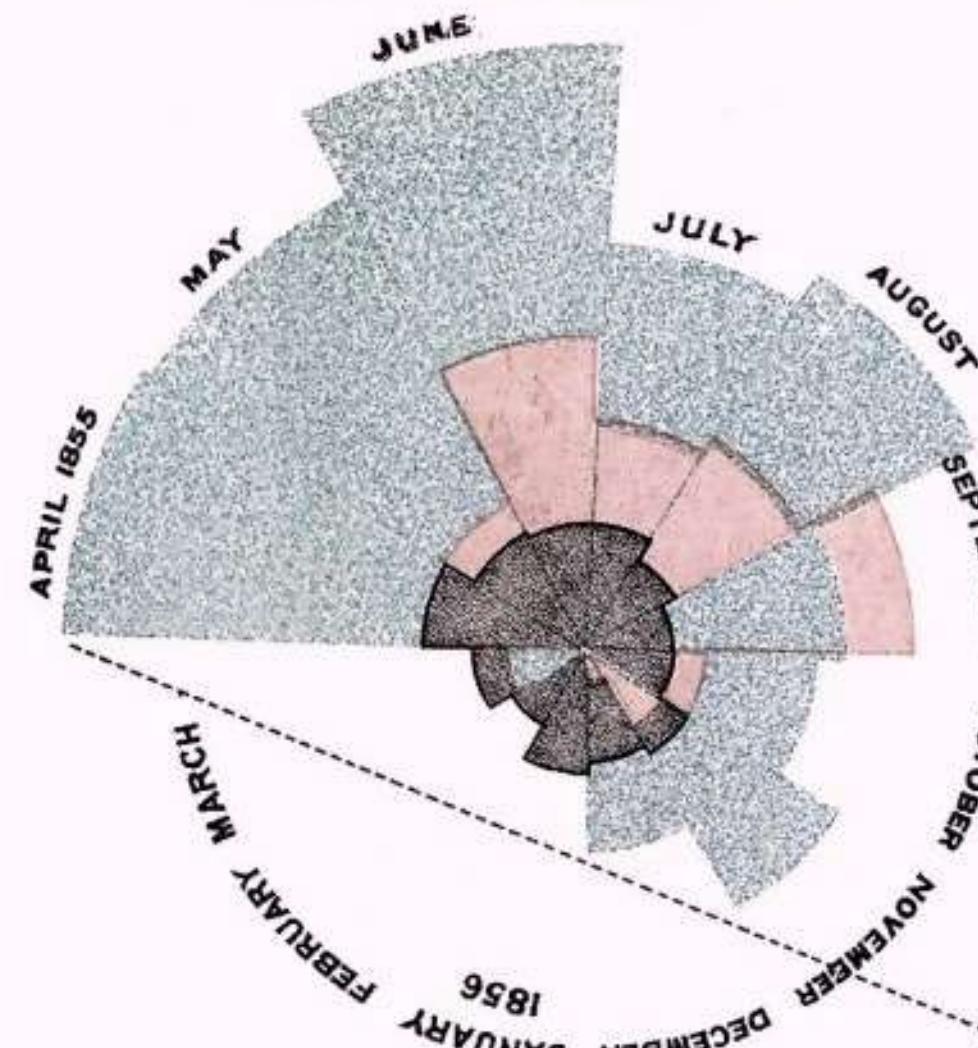
Florence Nightingale

1820–1910

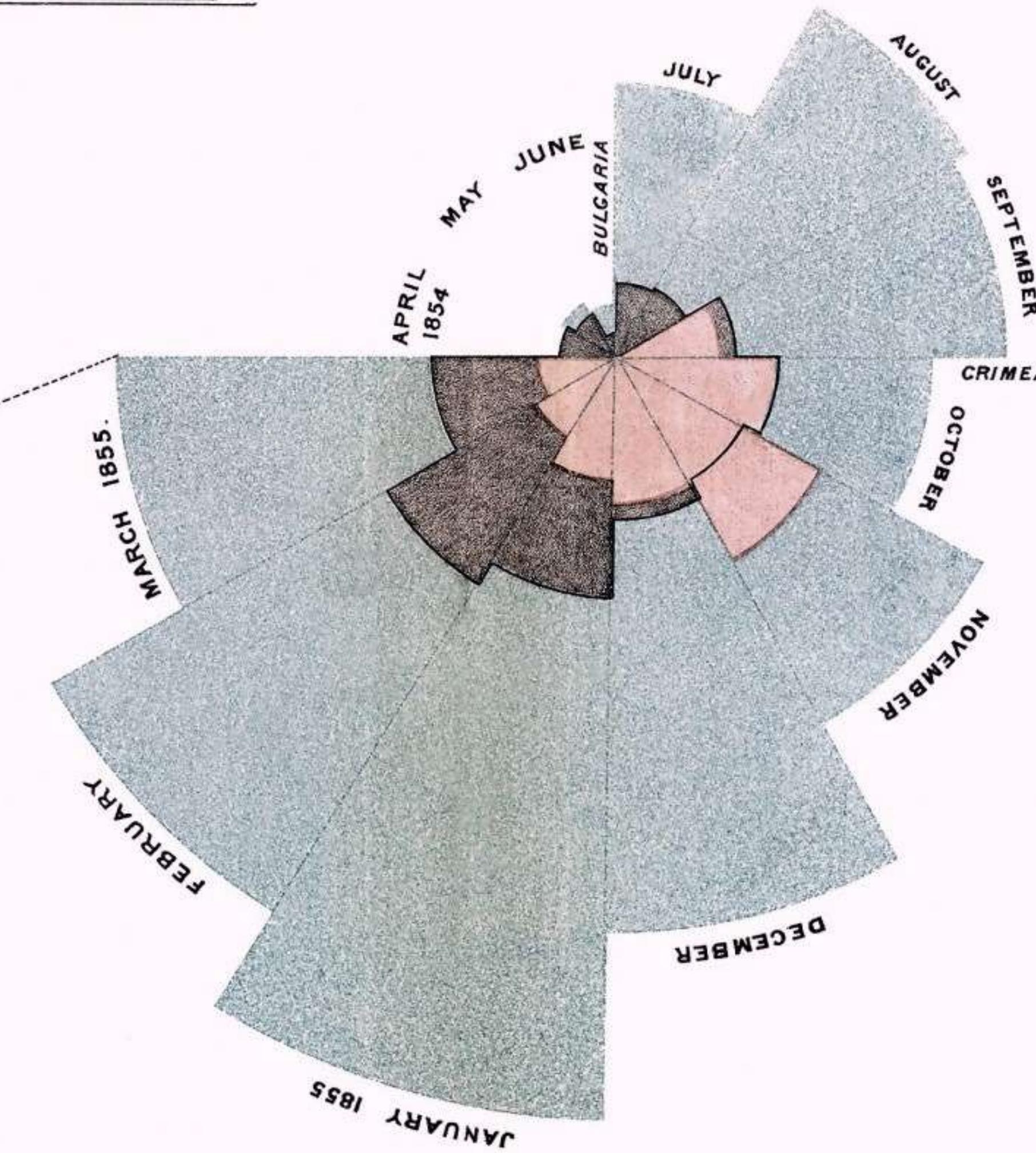


DIAGRAM OF THE CAUSES OF MORTALITY
IN THE ARMY IN THE EAST.

2.
APRIL 1855 TO MARCH 1856.



1.
APRIL 1854 TO MARCH 1855.



The Areas of the blue, red, & black wedges are each measured from the centre as the common vertex.

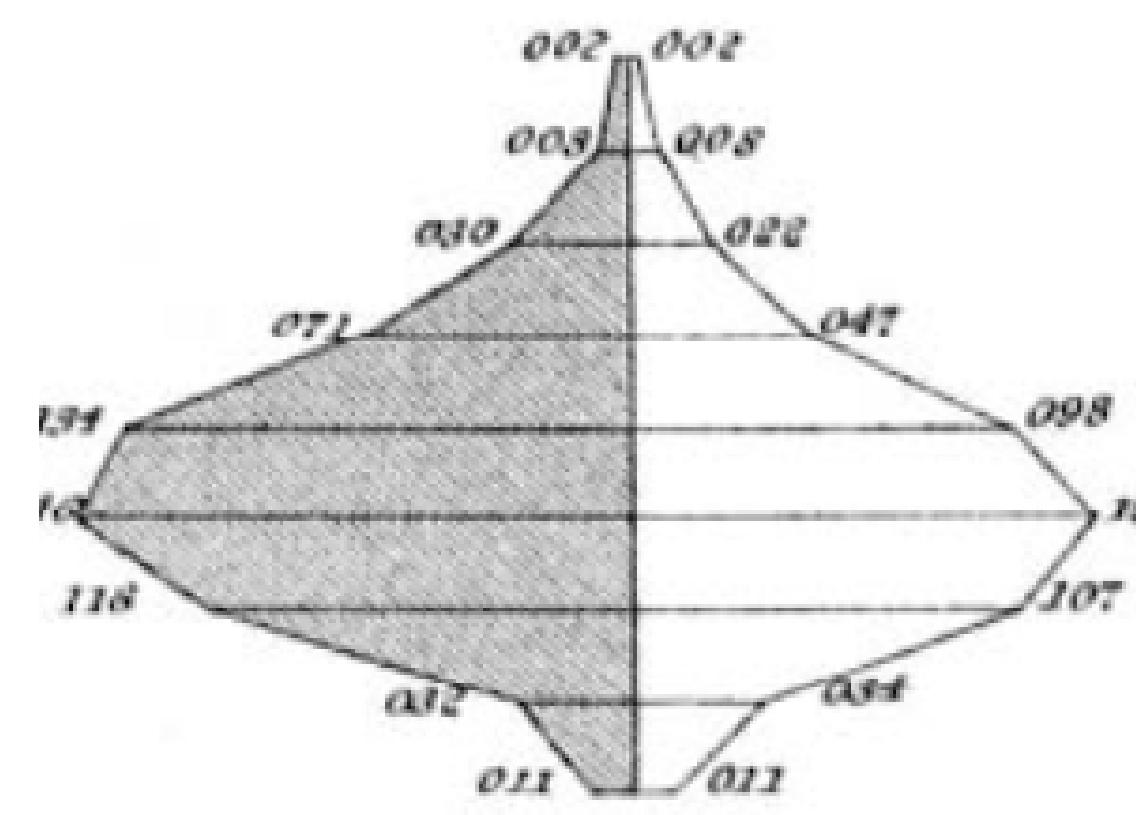
The blue wedges measured from the centre of the circle represent area for area the deaths from Preventible or Mitigable Zymotic diseases, the red wedges measured from the centre the deaths from wounds, & the black wedges measured from the centre the deaths from all other causes.

The black line across the red triangle in Nov. 1854 marks the boundary of the deaths from all other causes during the month.

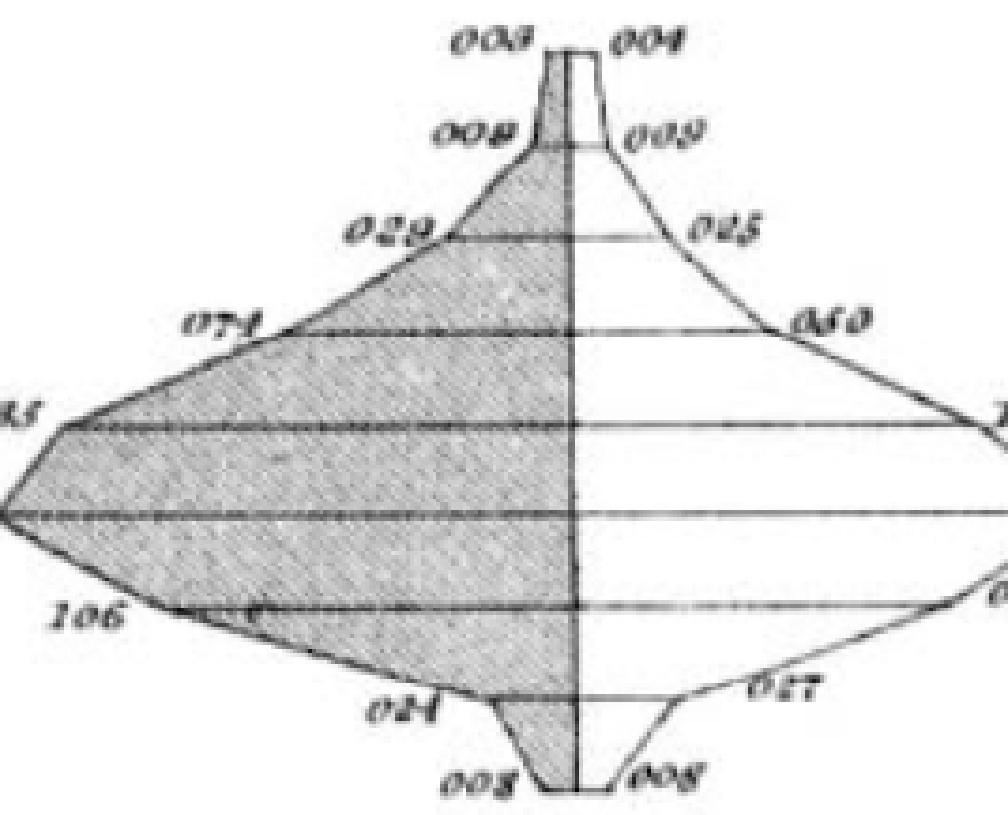
In October 1854, & April 1855, the black area coincides with the red; in January & February 1856, the blue coincides with the black.

The entire areas may be compared by following the blue, the red & the black lines enclosing them.

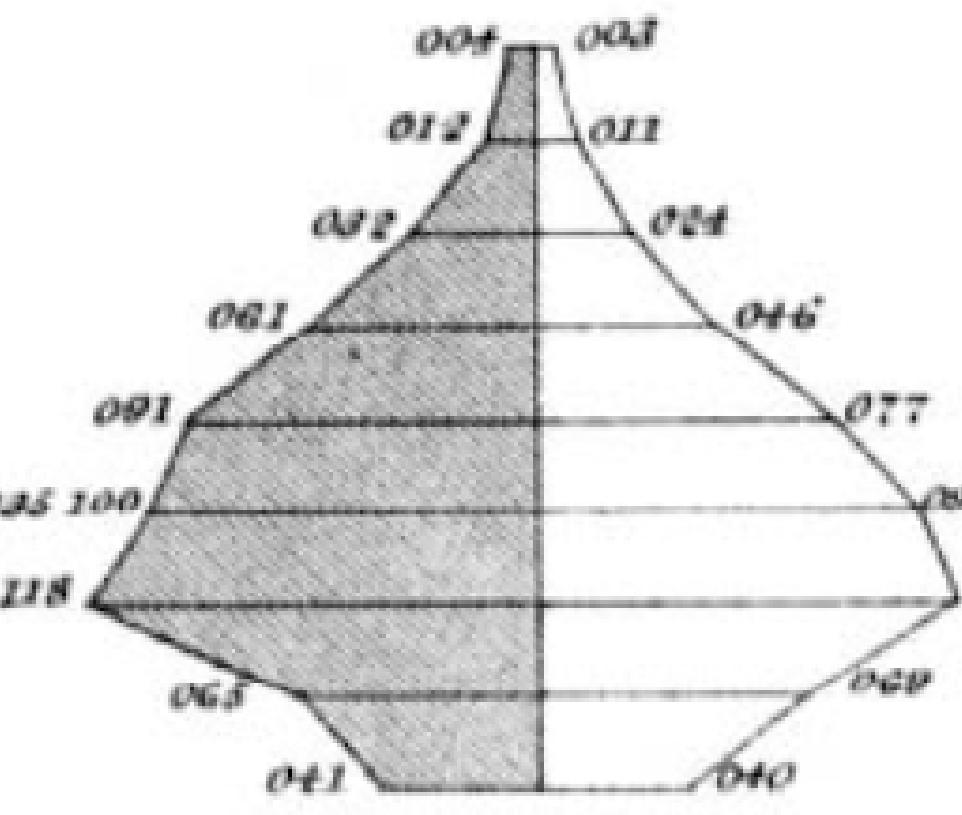
US Census Office



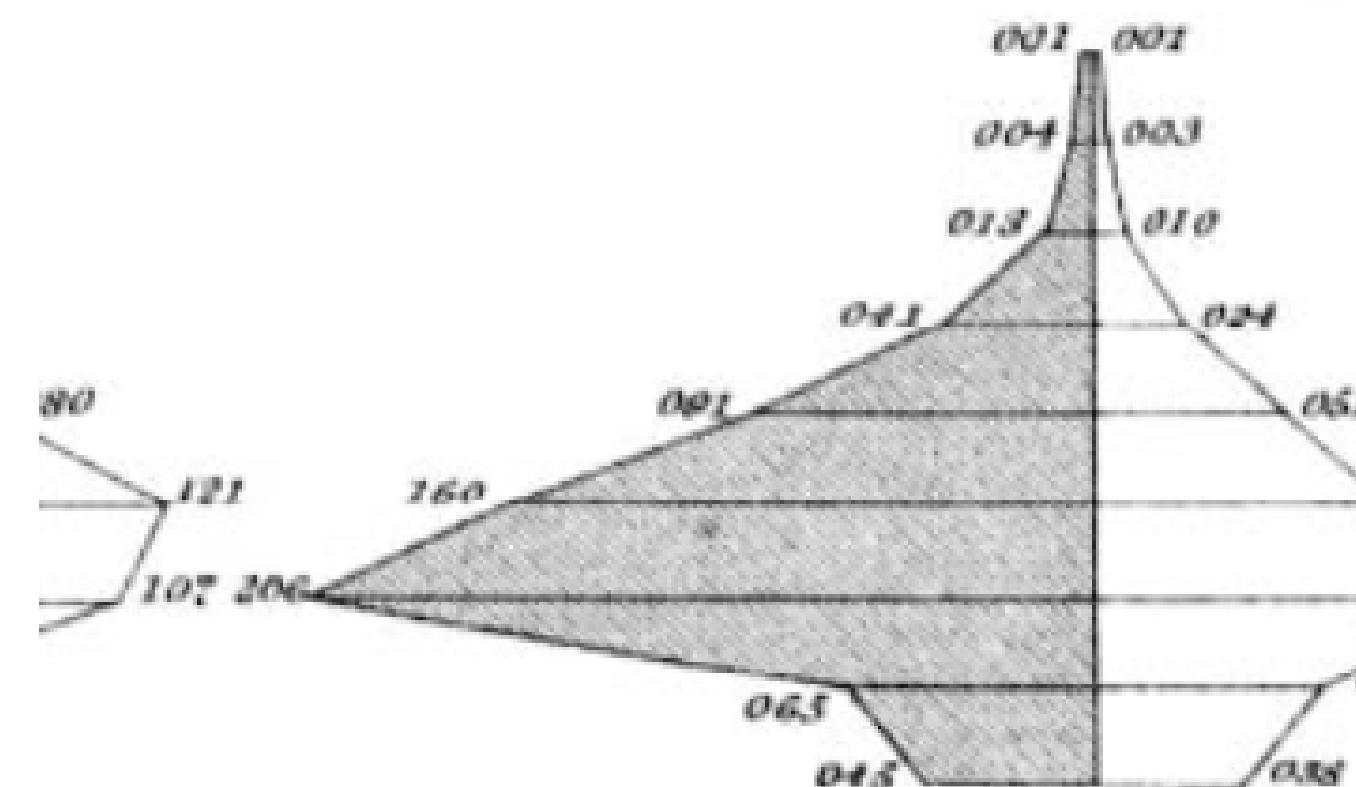
KENTUCKY



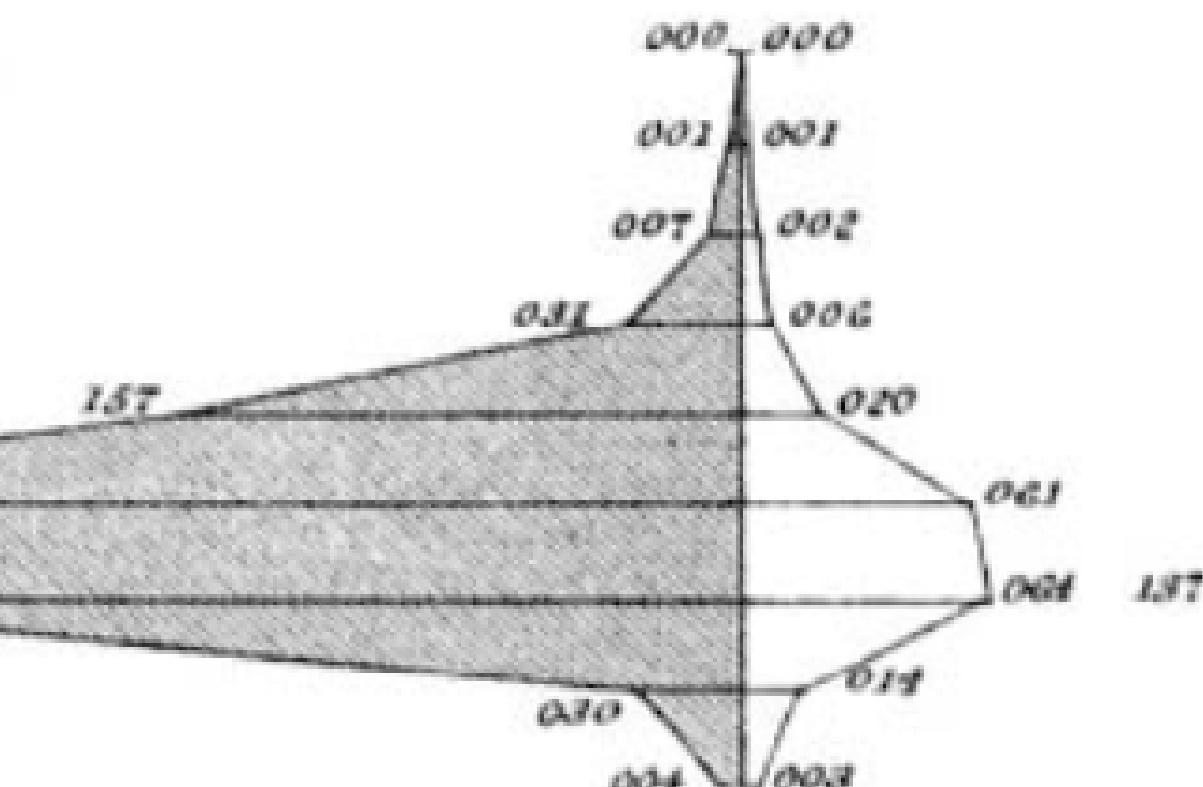
LOUISIANA



MAINE



NEBRASKA



NEVADA

Bi-polar charts, 1874

49. COMPOSITION OF THE FOREIGN-BORN POPULATION: 1890.

PLATE 16



MAINE



NEW HAMPSHIRE



VERMONT



MASSACHUSETTS



RHODE ISLAND



CONNECTICUT



NEW YORK



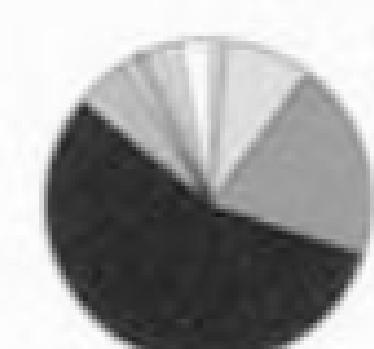
NEW JERSEY



PENNSYLVANIA



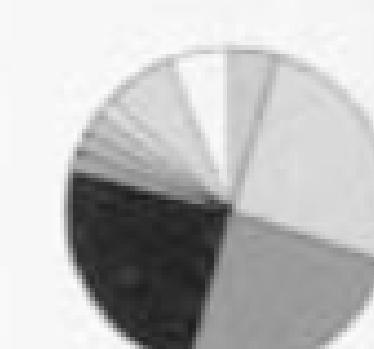
DELAWARE



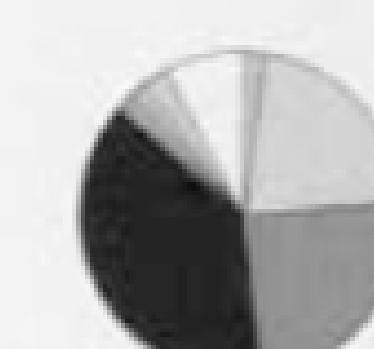
MARYLAND



DISTRICT OF COLUMBIA



VIRGINIA



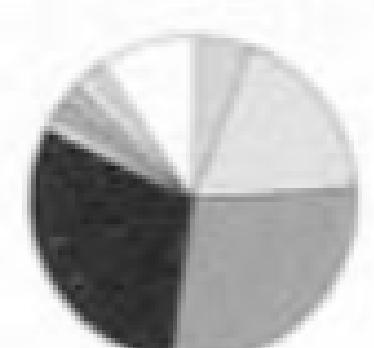
WEST VIRGINIA



NORTH CAROLINA



SOUTH CAROLINA



GEORGIA



FLORIDA



OHIO



INDIANA



ILLINOIS

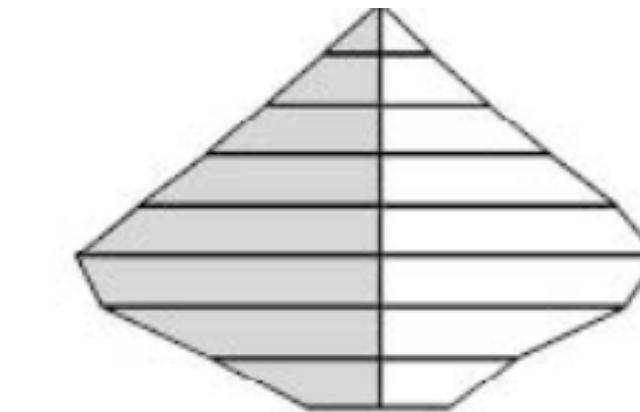




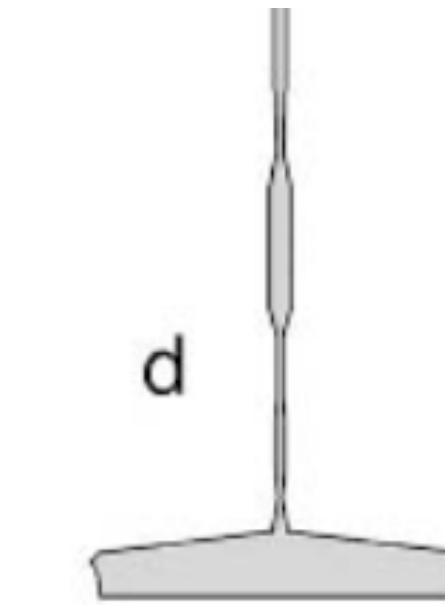
a



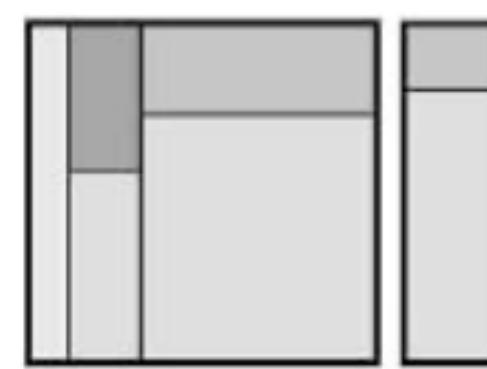
b



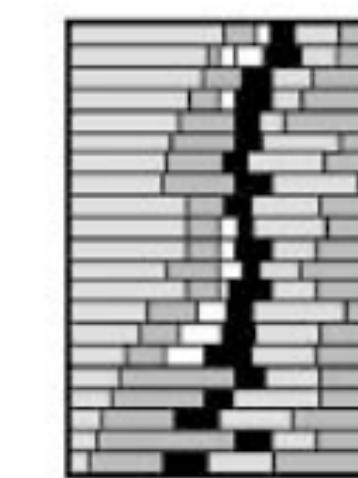
c



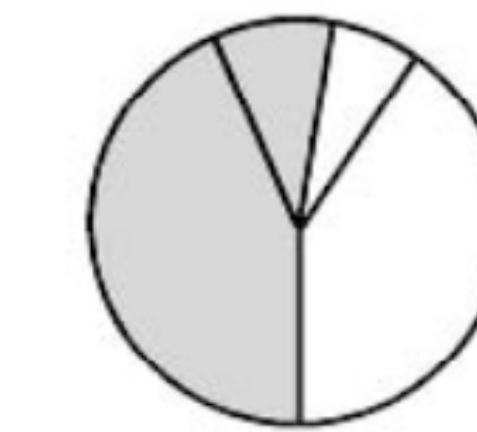
d



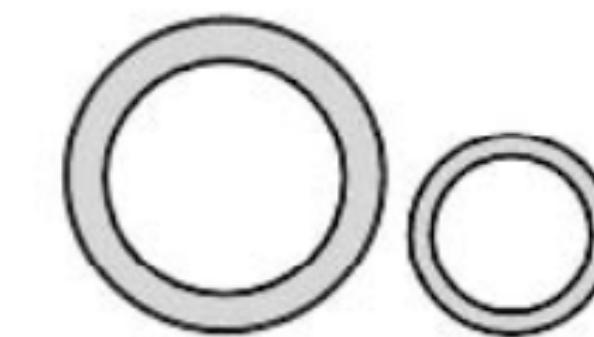
e



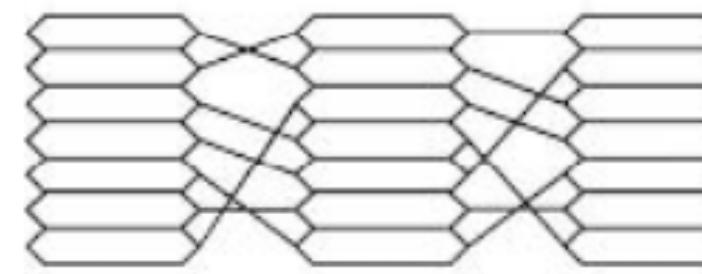
f



g



h



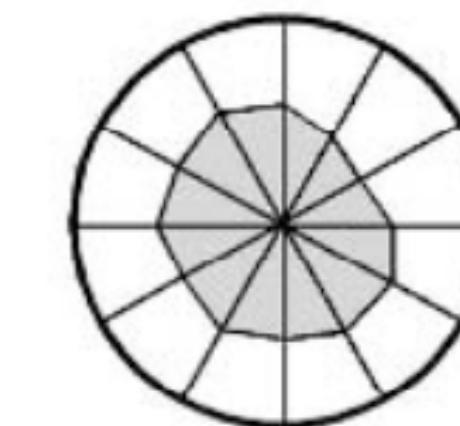
i



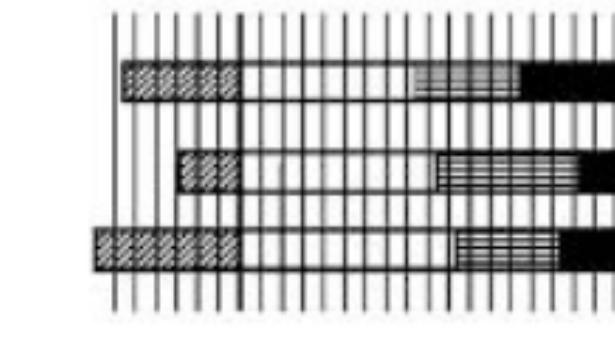
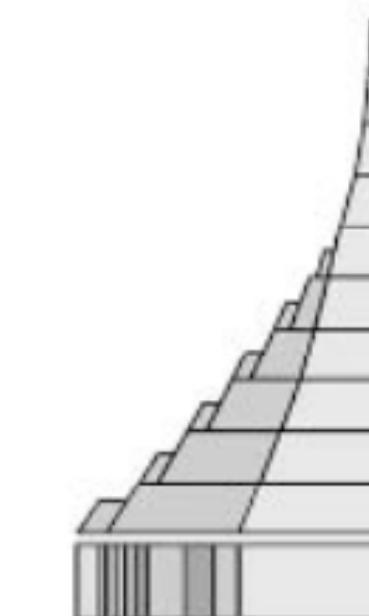
j



k



l



1870-1920

Otto & Marie Neurath

1882–1945

1898–1986

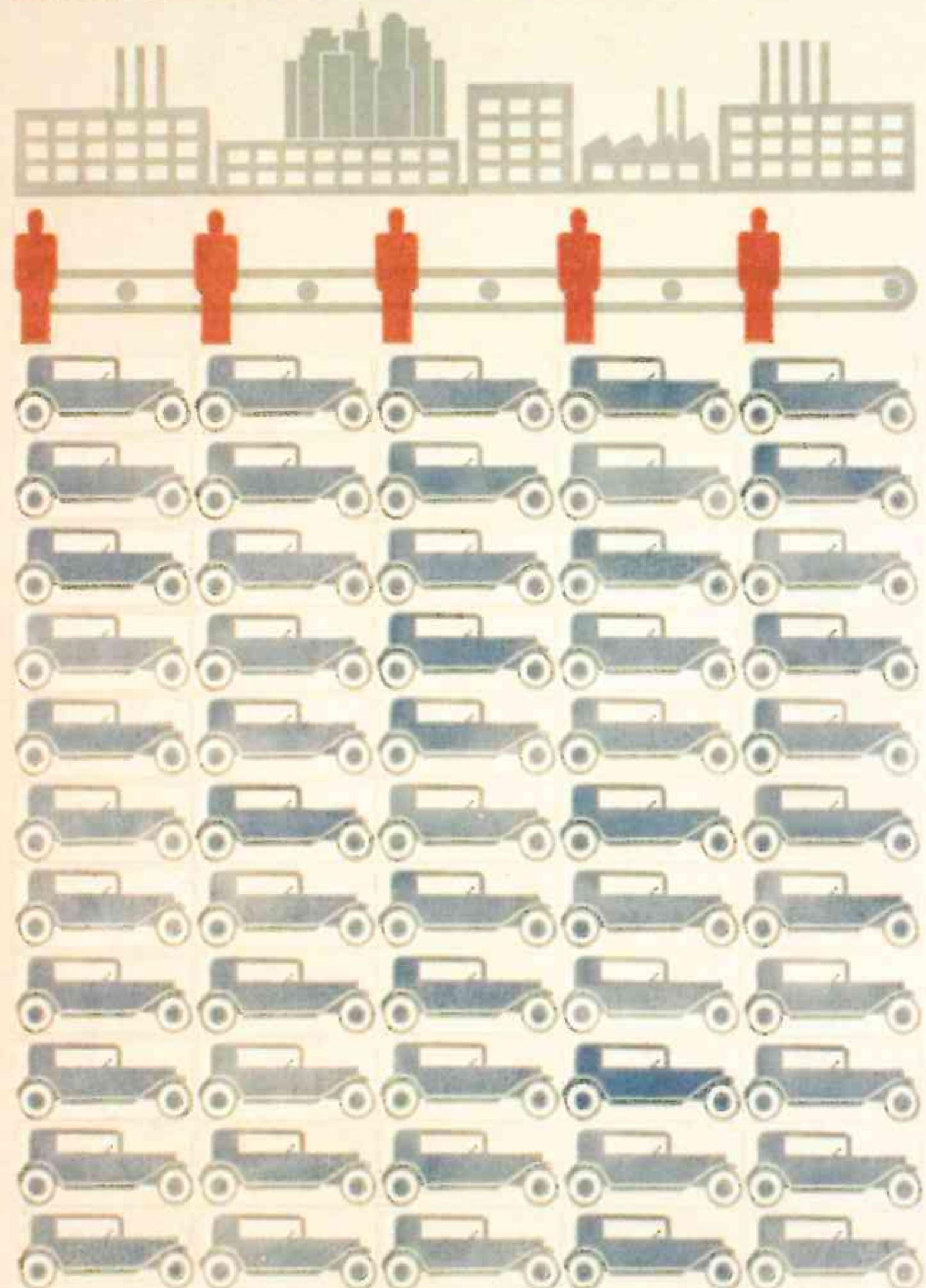


...Remember her

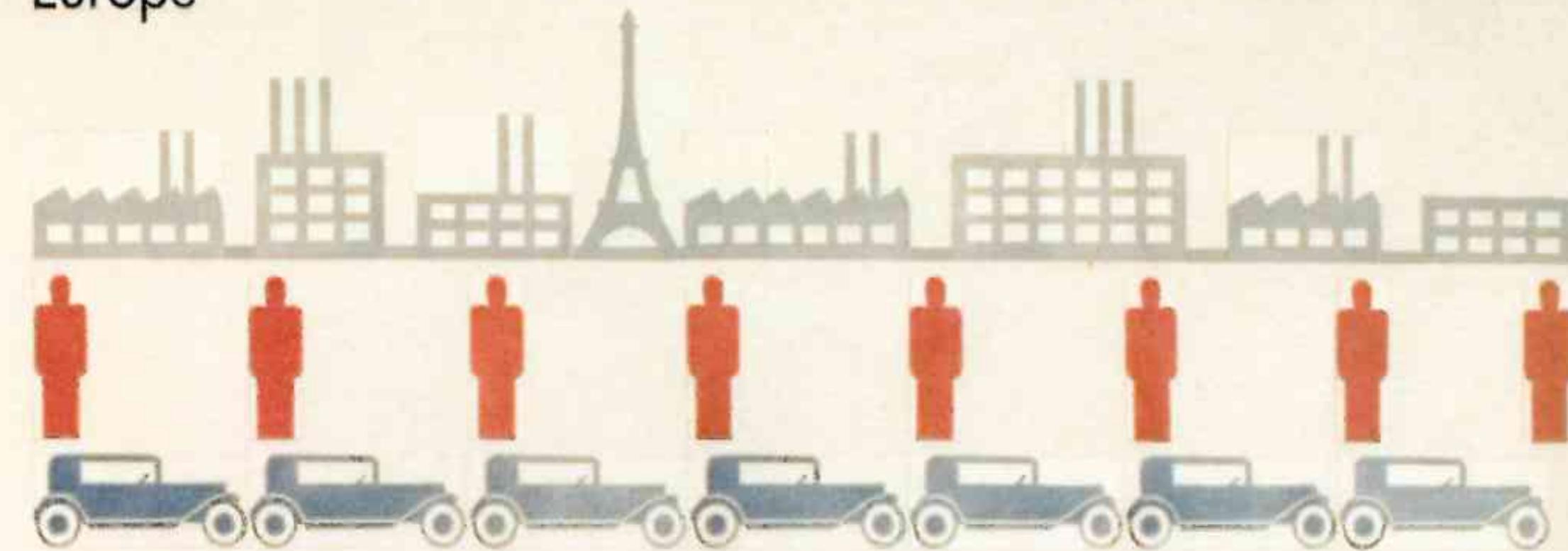
Nearneath

THE WORLD'S MOTOR CAR INDUSTRY IN 1929

North and South America



Europe

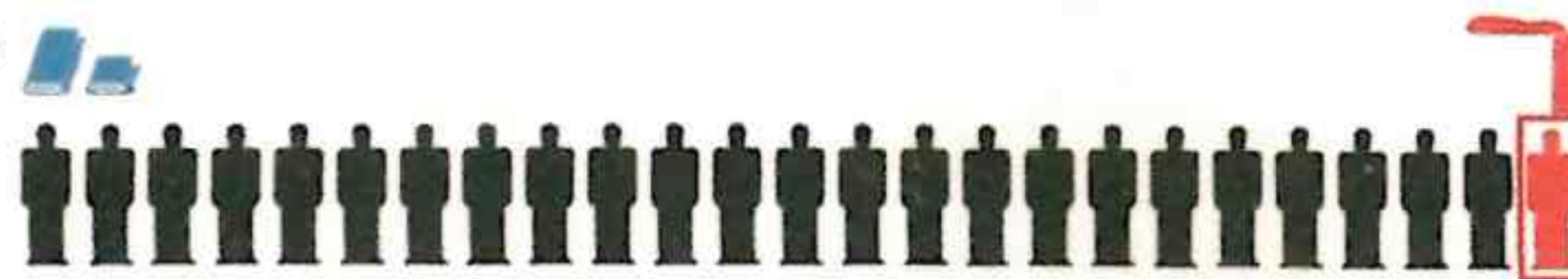


Globalism

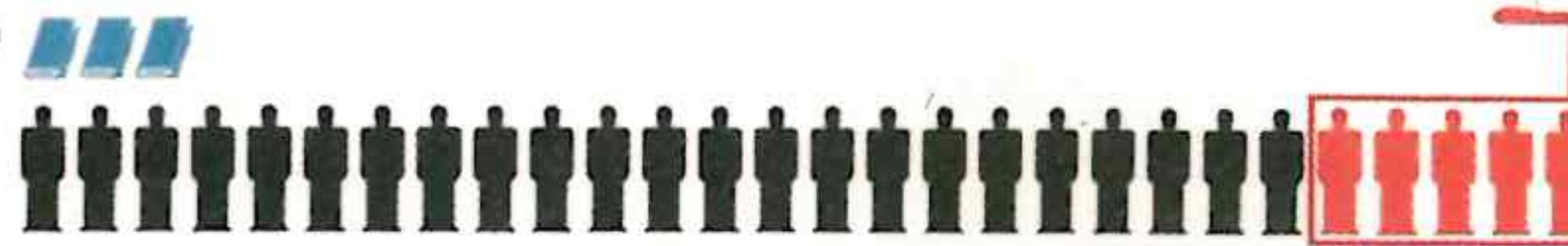
Each figure represents 100,000 workers employed in the motor car industry
Each car represents a production of 100,000 cars

Home and Factory Weaving in England

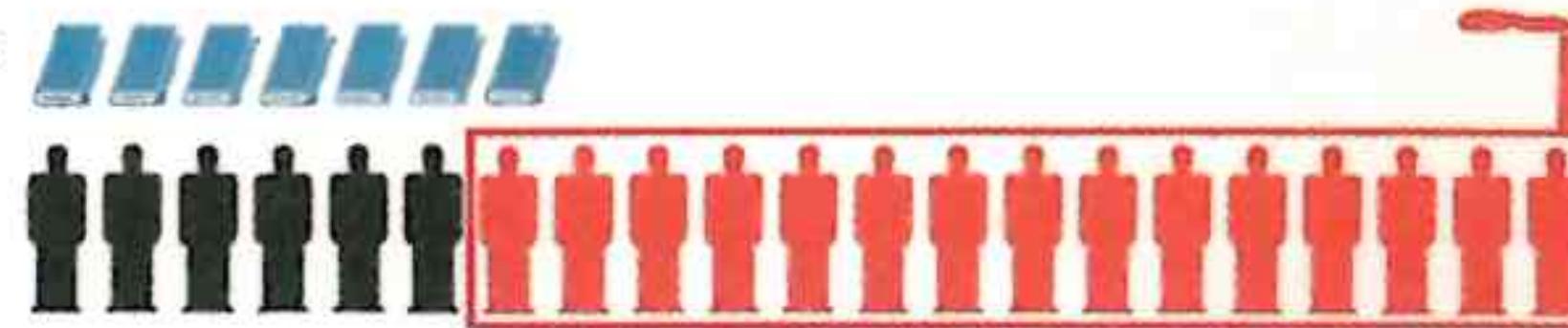
1820



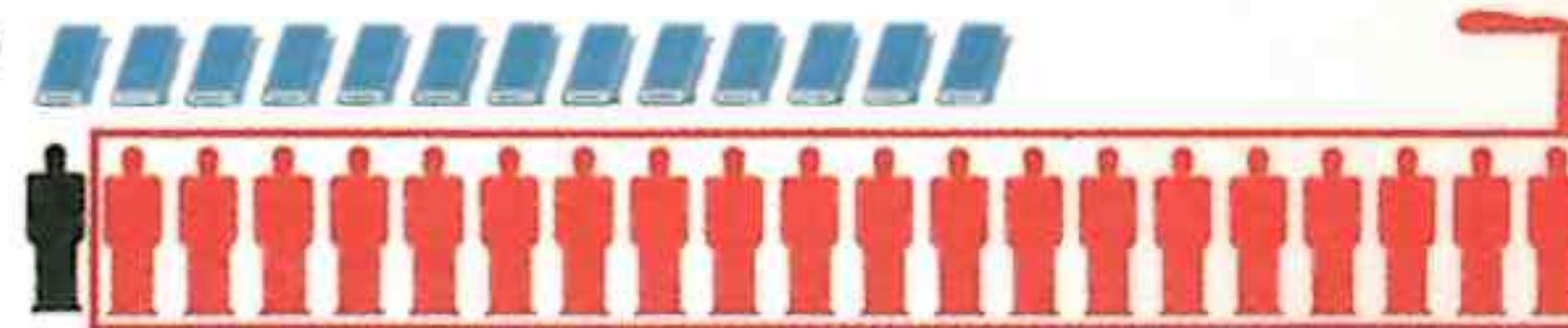
1830



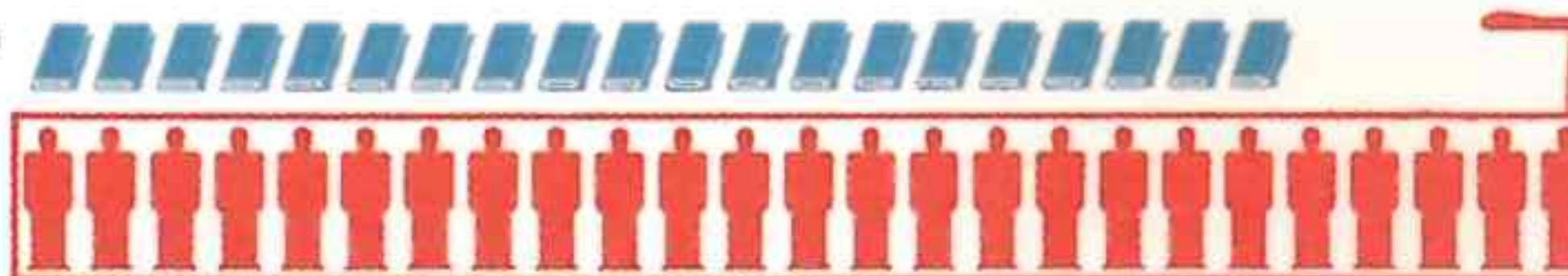
1845



1860



1880



Each blue symbol represents 50 million pounds total production

Each black man symbol represents 10,000 home weavers

Each red man symbol represents 10,000 factory weavers

