

INDUSTRIAL REVOLUTION: REACTIONS

REVOLUTIONS c. 1750-1900

c. 1750-1900



THIS IS THE THEMATIC FOCUS. IT'S WHAT YOU SHOULD FOCUS ON FOR THIS SECTION

THEMATIC FOCUS
Social Interactions and Organization **5.0**
 The process by which societies group their members and the norms that govern the interactions between these groups and between individuals influence political, economic, and cultural institutions and organization.

MODERN PERIOD (1750-1900 CE)

TIMELINE of REFORMS

CHILD LABOR

- 1819** FACTORY ACT: MINIMUM AGE IN COTTON MILLS 9
- 1842** MINERS ACT: WOMEN, BOYS < 10 CAN'T BE UNDERGROUND
- 1847** FACTORY ACT: MINORS, MEN > 18 LIMITED TO 10 HOURS WORK PER WEEK
- 1881** A.F.A. PROPOSES BANNING KIDS UNDER 14 FROM ALL LABOR
- 1900** 10% OF US INDEX: LABORERS UNDER 10 YEARS OLD

CHILD LABOR LAWS
 *EARLY US LABOR LAWS WERE STATE BY STATE. US DEPARTMENT OF LABOR NOT FORMED UNTIL 1913.

1833 FACTORY ACT: LIMITS 9-13 Y.O. TO 48 HOURS PER WEEK

1836 HOUSING ACT: FACTORIES MUST ATTEND 3 MONTHS OF SCHOOL

1878 FACTORY ACT: ALL EMPLOYMENT UNDER 18 BANNED

1880 FACTORY ACT: COMPULSORY EDUCATION FROM AGE 5-14

1830s US WORKERS BEGIN TO PUSH FOR A 10 HOUR WORK DAY

1848 THE COMMUNIST MANIFESTO: "CAPITAL CARES NOTHING FOR THE LENGTH OF LIFE OF LABOR-POWER. ALL THAT CONCERNS IT IS SIMPLY AND SOLELY THE MAXIMUM OF LABOR-POWER, THAT CAN BE REMOVED FROM THE WORKING-DAY. IT ATTAINS THIS END BY SHORTENING THE EXTENT OF THE LABORER'S LIFE, AS A GREEDY FARMER SNATCHES INCREASED PRODUCE FROM THE SOIL BY ROBBING IT OF ITS FERTILITY." - KARL MARX, DAS KAPITAL, 1867

1848 KARL MARX, DAS KAPITAL, 1867

1912 UNION POSTER CALLING FOR 8 HOUR WORKDAY

ALL WILL HAVE WORK SHORT HOURS
 FROM 11 TO 12 AFTER 12 TO 13 FROM 1 TO 2 FROM 2 TO 3 FROM 3 TO 4 FROM 4 TO 5 FROM 5 TO 6 FROM 6 TO 7 FROM 7 TO 8 FROM 8 TO 9 FROM 9 TO 10 FROM 10 TO 11

WAGES WILL GO UP LONG HOURS WORK
 T.W.W.

1912 RICHEST MAN ON EARTH IN 1907

WORKER PAY & HOURS

1840	1845	1850	1855	1860	1865	1870	1875	1880	1885	1890	1900
\$1.13	\$1.25	\$1.73	\$2.80	\$5.85	\$1.59	\$1.52	\$1.42	\$1.55	\$1.97	\$1.88	\$1.65

AVERAGE DAILY STEEL WORKER PAY IN NEW YORK FROM US BUREAU OF LABOR

1750 1800 1850 1900

HISTORICAL DEVELOPMENTS

KC-5.1.V.D
 In response to the social and economic changes brought about by industrial capitalism, some governments, organizations, and individuals promoted various types of political, social, educational, and urban reforms.

KC-5.1.V.A
 In industrialized states, many workers organized themselves, often in labor unions, to improve working conditions, limit hours, and gain higher wages. Workers' movements and political parties emerged in different areas, promoting alternative visions of society.

LABOR MOVEMENT

"CAPITAL IS ONLY THE FRUIT OF LABOR, AND COULD NEVER HAVE EXISTED IF LABOR HAD NOT FIRST EXISTED. LABOR IS THE SUPERIOR OF CAPITAL, AND DESERVES MUCH THE HIGHER CONSIDERATION" - ABRAHAM LINCOLN, 1861

UTILITARIANISM
 Laissez-faire capitalism was inimical to workers' most "sins" were too tied to their beliefs for change. Utilitarianism sought to do the greatest good for the greatest number of people. Address the problems as they arise, don't scrap the whole thing.

SOCIALISM
 Laissez-faire capitalism failed to address problems for the people. Poverty inequality. Socialists seek social ownership of the means of production. Many different types of socialist: Berner, democratic socialists. Similar to the Nordic nations of Europe.

COMMUNISM
 Capitalism will fail. Proletariat (workers) will rise to seize the means of production from the bourgeoisie. Then, share the wealth. Lead to equal, classless utopian society.

INDUSTRIAL REVOLUTION REACTIONS

UTILITARIANISM
 Laissez-faire capitalism was inimical to workers' most "sins" were too tied to their beliefs for change. Utilitarianism sought to do the greatest good for the greatest number of people. Address the problems as they arise, don't scrap the whole thing.

SOCIALISM
 Laissez-faire capitalism failed to address problems for the people. Poverty inequality. Socialists seek social ownership of the means of production. Many different types of socialist: Berner, democratic socialists. Similar to the Nordic nations of Europe.

COMMUNISM
 Capitalism will fail. Proletariat (workers) will rise to seize the means of production from the bourgeoisie. Then, share the wealth. Lead to equal, classless utopian society.

KC-5.3.IV.A.ii
 Discontent with established power structures encouraged the development of various ideologies, including those espoused by Karl Marx, and the ideas of socialism and communism.

THE OPIUM WARS & TAIPING REBELLIONS WERE A WAKEUP CALL... IT'S TIME FOR CHINA TO MODERNIZE!

SELF STRENGTHENING MOVEMENT

"The superior man makes himself strong."
 - BOOK OF CHANGES, 9TH CENTURY BCE

GOAL: MODERNIZE THE MILITARY WITH WESTERN TECHNOLOGY
 *without any of the sociopolitical ideas that might endanger the Dynasty

CATALYST: THE OPIUM WARS → NEMESIS LIVED UP TO HER NAME
 BR/FR BURNED DOWN THE OLD SUMMER PALACE IN BEIJING... IT WAS TIME FOR A CHANGE

PHASE 1: FIREARMS/SCIENCE 1861-1872 GOAL: SELF-DEFENSE BUILT HUGE ARSENALS	PHASE 2: INDUSTRY/AGRICULT. 1872-1895 GOAL: CREATE WEALTH SHIPPING, RAIL, TELEG.	PHASE 3: TEXTILES, TEXTILES... 1895-1895 GOAL: CREATE WEALTH SOME PRIVATE INDUSTR.
---	---	---

OUTCOME: SUSTAINED DYNASTY UNTIL 1895... SINO-JAPANESE WAR

UNIT 3 WAS DOMINATED BY THE OTTOMANS, AND IN UNIT 7 THEY DISAPPEAR. BUT, DID THEY AT LEAST ATTEMPT REFORM?

OTTOMAN EMPIRE c. 1450-1750

"REORGANIZATION" → TO BRING THE BENEFITS OF A GOOD ADMINISTRATION TO THE PROVINCES OF THE OTTOMAN EMPIRE THROUGH NEW INSTITUTIONS

TANZIMAT

REORGANIZATION/TRANSFORMATION

GOALS:

1. MODERNIZE
2. SECURE EMPIRE AGAINST FOREIGN NATIONALISTS →
3. PUSH 'OTTOMANISM'
 - OTTOMAN NATIONALISM
 - NOT TURK, SERB, GREEK...
 - END OF THE MILLETS
4. RELIGIOUS FREEDOM

• FEAR OF MUSL-CHR TENSIONS

1839-1876

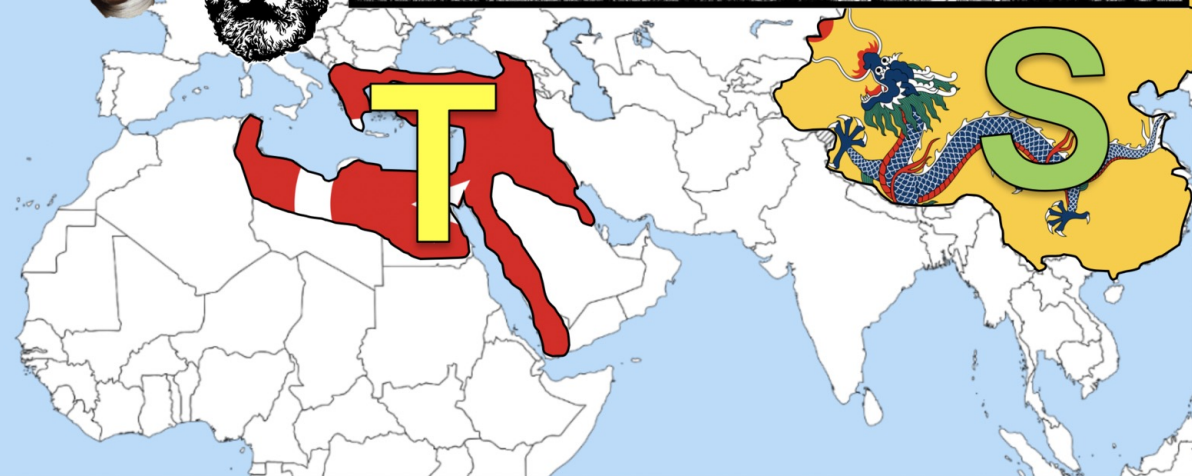
1. Defeat of Russia in 1829
 2. Defeat of Austria in 1839
 3. Defeat of Persia in 1846
 4. Defeat of France in 1848
 5. Defeat of Britain in 1855
 6. Defeat of Russia in 1878
 7. Defeat of Austria in 1879
 8. Defeat of Persia in 1880
 9. Defeat of France in 1881
 10. Defeat of Britain in 1882
 11. Defeat of Russia in 1883
 12. Defeat of Austria in 1884
 13. Defeat of Persia in 1885
 14. Defeat of France in 1886
 15. Defeat of Britain in 1887
 16. Defeat of Russia in 1888
 17. Defeat of Austria in 1889
 18. Defeat of Persia in 1890
 19. Defeat of France in 1891
 20. Defeat of Britain in 1892
 21. Defeat of Russia in 1893
 22. Defeat of Austria in 1894
 23. Defeat of Persia in 1895
 24. Defeat of France in 1896
 25. Defeat of Britain in 1897
 26. Defeat of Russia in 1898
 27. Defeat of Austria in 1899
 28. Defeat of Persia in 1900
 29. Defeat of France in 1901
 30. Defeat of Britain in 1902
 31. Defeat of Russia in 1903
 32. Defeat of Austria in 1904
 33. Defeat of Persia in 1905
 34. Defeat of France in 1906
 35. Defeat of Britain in 1907
 36. Defeat of Russia in 1908
 37. Defeat of Austria in 1909
 38. Defeat of Persia in 1910
 39. Defeat of France in 1911
 40. Defeat of Britain in 1912
 41. Defeat of Russia in 1913
 42. Defeat of Austria in 1914
 43. Defeat of Persia in 1915
 44. Defeat of France in 1916
 45. Defeat of Britain in 1917
 46. Defeat of Russia in 1918
 47. Defeat of Austria in 1919
 48. Defeat of Persia in 1920
 49. Defeat of France in 1921
 50. Defeat of Britain in 1922
 51. Defeat of Russia in 1923
 52. Defeat of Austria in 1924
 53. Defeat of Persia in 1925
 54. Defeat of France in 1926
 55. Defeat of Britain in 1927
 56. Defeat of Russia in 1928
 57. Defeat of Austria in 1929
 58. Defeat of Persia in 1930
 59. Defeat of France in 1931
 60. Defeat of Britain in 1932
 61. Defeat of Russia in 1933
 62. Defeat of Austria in 1934
 63. Defeat of Persia in 1935
 64. Defeat of France in 1936
 65. Defeat of Britain in 1937
 66. Defeat of Russia in 1938
 67. Defeat of Austria in 1939
 68. Defeat of Persia in 1940
 69. Defeat of France in 1941
 70. Defeat of Britain in 1942
 71. Defeat of Russia in 1943
 72. Defeat of Austria in 1944
 73. Defeat of Persia in 1945
 74. Defeat of France in 1946
 75. Defeat of Britain in 1947
 76. Defeat of Russia in 1948
 77. Defeat of Austria in 1949
 78. Defeat of Persia in 1950
 79. Defeat of France in 1951
 80. Defeat of Britain in 1952
 81. Defeat of Russia in 1953
 82. Defeat of Austria in 1954
 83. Defeat of Persia in 1955
 84. Defeat of France in 1956
 85. Defeat of Britain in 1957
 86. Defeat of Russia in 1958
 87. Defeat of Austria in 1959
 88. Defeat of Persia in 1960
 89. Defeat of France in 1961
 90. Defeat of Britain in 1962
 91. Defeat of Russia in 1963
 92. Defeat of Austria in 1964
 93. Defeat of Persia in 1965
 94. Defeat of France in 1966
 95. Defeat of Britain in 1967
 96. Defeat of Russia in 1968
 97. Defeat of Austria in 1969
 98. Defeat of Persia in 1970
 99. Defeat of France in 1971
 100. Defeat of Britain in 1972

KC-5.1.V.B
 In response to the expansion of industrializing states, some governments in Asia and Africa, including the Ottoman Empire and Qing China, sought to reform and modernize their economies and militaries. Reform efforts were often resisted by some members of government or established elite groups.

GEOGRAPHY

INDUSTRIAL REVOLUTION REACTIONS

REVOLUTIONS c. 1750-1900



FREEMAN-PEDIA

UNIONS:
YEAR:
LOGO:

DRIVERS	INDUSTRIAL	TEACHERS	CRAFTS	WOMEN
1903	1905	1857	1881	1874

GOVERNMENT REFORMS:

T THE SADLER REPORT (UNITED KINGDOM)

T TANZIMAT REFORMS (OTTOMAN EMPIRE)

S SELF STRENGTH MVMT. (QING DYNASTY)

CHILD LABOR: MINING INDUSTRY



KINGSTON, PA c.1900



HUGHESTOWN, PA 1911



DEMOCRATIC REPUBLIC OF THE CONGO, 2017



CHILD LABOR: TEXTILE INDUSTRY



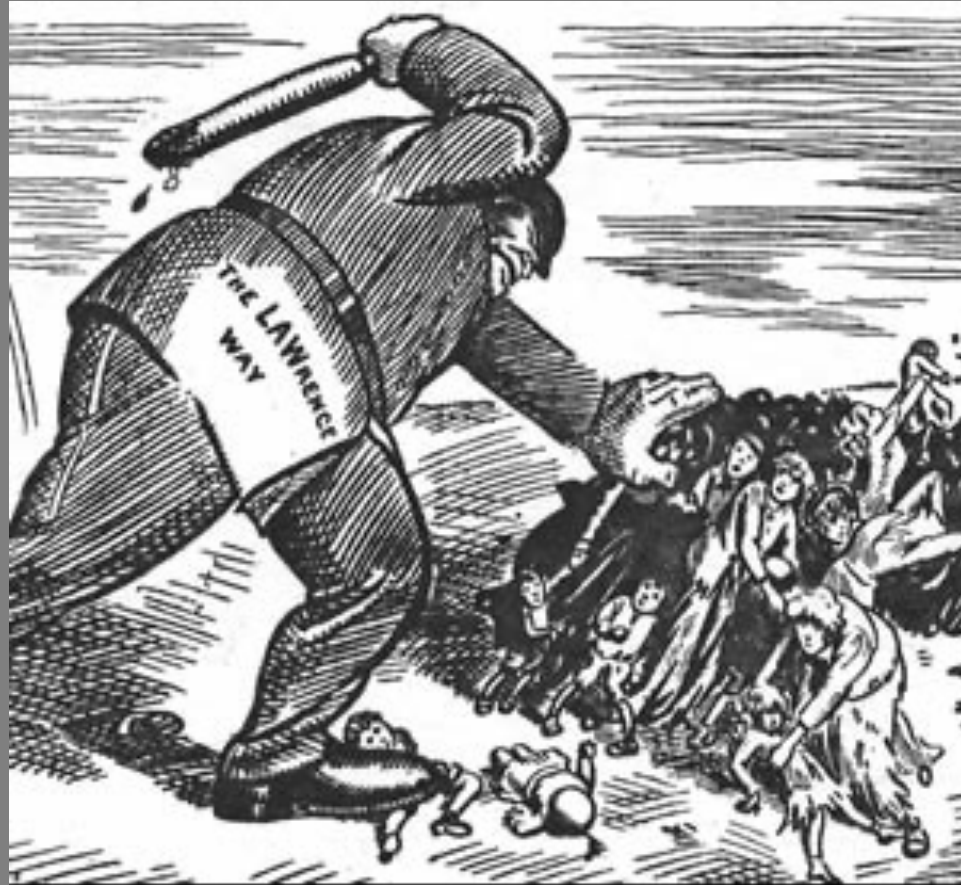
CHILD LABOR: TEXTILE INDUSTRY



CHILD LABOR: CARTOONS



CHILD LABOR: CARTOONS



LIVING CONDITIONS: JACOB RIIS

“LONG AGO, IT WAS SAID THAT ONE HALF THE WORLD DOES NOT KNOW **HOW THE OTHER HALF LIVES.**” THAT WAS TRUE THEN. IT DID NOT KNOW BECAUSE IT DID NOT CARE. THE HALF THAT WAS ON TOP CARED LITTLE FOR THE STRUGGLES, AND LESS FOR THE FATE OF THOSE WHO WERE UNDERNEATH, SO LONG AS IT WAS ABLE TO HOLD THEM THERE AND KEEP ITS OWN SEAT.”



BAYARD STREET, NEW YORK CITY. FIVE CENTS LODGING. 1889

LIVING CONDITIONS: JACOB RIIS

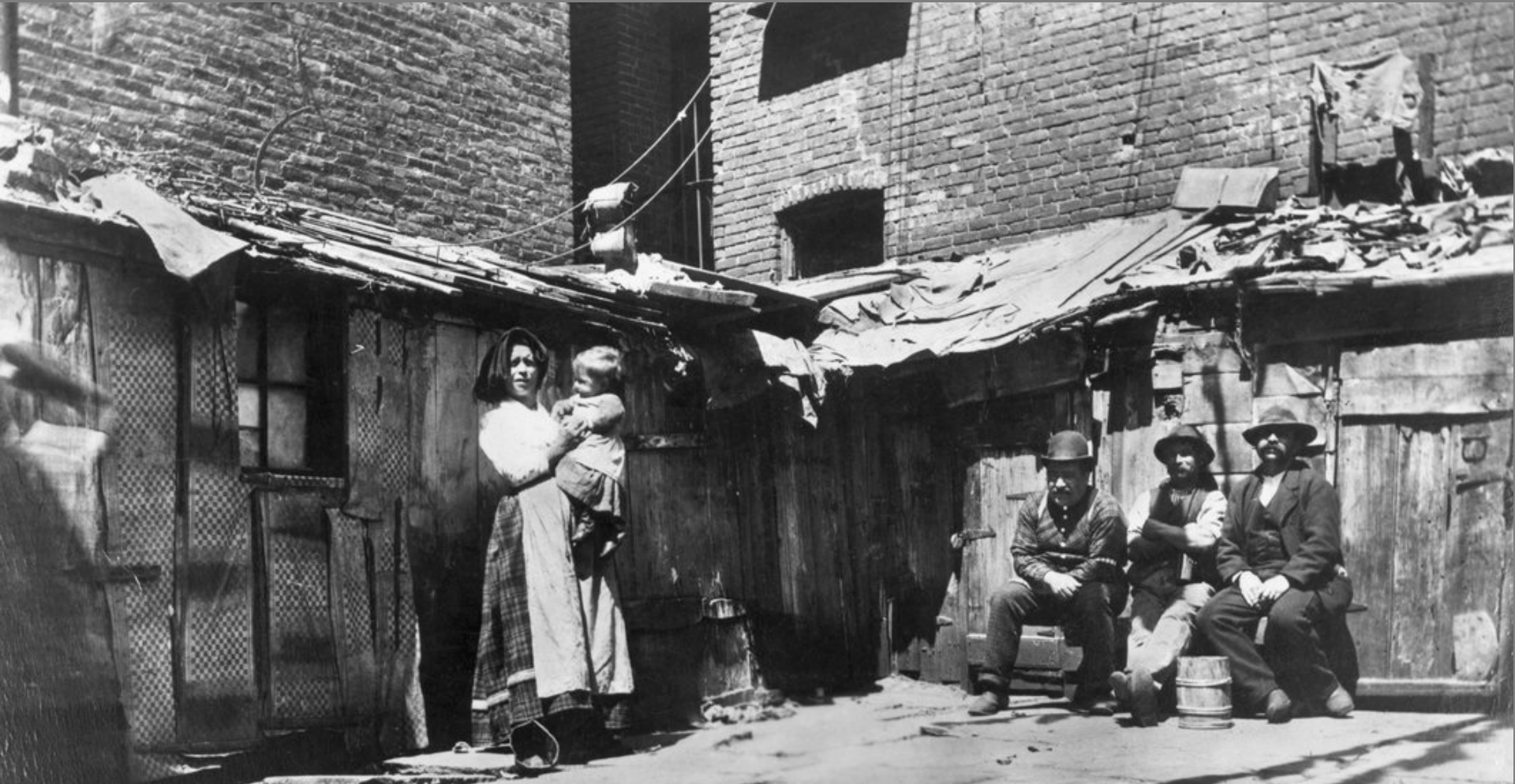
“LONG AGO, IT WAS SAID THAT ONE HALF THE WORLD DOES NOT KNOW **HOW THE OTHER HALF LIVES.**” THAT WAS TRUE THEN. IT DID NOT KNOW BECAUSE IT DID NOT CARE. THE HALF THAT WAS ON TOP CARED LITTLE FOR THE STRUGGLES, AND LESS FOR THE FATE OF THOSE WHO WERE UNDERNEATH, SO LONG AS IT WAS ABLE TO HOLD THEM THERE AND KEEP ITS OWN SEAT.”



WEST 47TH STREET, NEW YORK CITY. MEN'S LODGING ROOM. 1892

LIVING CONDITIONS: JACOB RIIS

“LONG AGO, IT WAS SAID THAT ONE HALF THE WORLD DOES NOT KNOW **HOW THE OTHER HALF LIVES.**” THAT WAS TRUE THEN. IT DID NOT KNOW BECAUSE IT DID NOT CARE. THE HALF THAT WAS ON TOP CARED LITTLE FOR THE STRUGGLES, AND LESS FOR THE FATE OF THOSE WHO WERE UNDERNEATH, SO LONG AS IT WAS ABLE TO HOLD THEM THERE AND KEEP ITS OWN SEAT.”



SLUM DISTRICT, NEW YORK CITY. 1890

LIVING CONDITIONS: JACOB RIIS

“LONG AGO, IT WAS SAID THAT ONE HALF THE WORLD DOES NOT KNOW **HOW THE OTHER HALF LIVES.**” THAT WAS TRUE THEN. IT DID NOT KNOW BECAUSE IT DID NOT CARE. THE HALF THAT WAS ON TOP CARED LITTLE FOR THE STRUGGLES, AND LESS FOR THE FATE OF THOSE WHO WERE UNDERNEATH, SO LONG AS IT WAS ABLE TO HOLD THEM THERE AND KEEP ITS OWN SEAT.”



NEW YORK CITY. CHILDREN SLEEPING ON MULBERRY STREET. 1890

LABOR MOVEMENT

“CAPITAL IS ONLY THE FRUIT OF LABOR, AND COULD NEVER HAVE EXISTED IF LABOR HAD NOT FIRST EXISTED. LABOR IS THE SUPERIOR OF CAPITAL, AND DESERVES MUCH THE HIGHER CONSIDERATION” -ABRAHAM LINCOLN, 1861





MODERN PERIOD (1750-1900 CE)

TIMELINE of REFORMS

CHILD LABOR

1819
FACTORY ACT
MINIMUM AGE IN COTTON MILL = 9

1842
MINES ACT
WOMEN, GIRLS, BOYS <10 CAN'T BE UNDERGROUND

1847
FACTORY ACT
WOMEN, KIDS <18 LIMITED TO 58 HOUR WORK WEEK

1881
A.F.L. PROPOSES BANNING KIDS UNDER 14 FROM ALL LABOR

1900
20% OF US INDUS. LABOR FORCE UNDER 10 YEARS OLD

*EARLY US LABOR LAWS WERE STATE BY STATE. US DEPARTMENT OF LABOR NOT FORMED UNTIL 1913.

CHILD LABOR LAWS



1833
FACTORY ACT
LIMITS 9-13 Y.O. TO 48 HOURS PER WEEK

1836
KIDS UNDER 15 IN FACTORIES MUST ATTEND 3 MONTHS OF SCHOOL

1878
FACTORY ACT
ALL EMPLOYMENT UNDER AGE 10 BANNED

1880
EDUCAT. ACT
COMPULSORY EDUCATION FOR AGE 5-10

The COMMUNIST MANIFESTO
Karl Marx and FRIEDRICH ENGELS
1848



ALL WILL HAVE WORK SHORT HOURS

WAGES WILL GO UP LONG I.W.W. EIGHT HOURS WORK

1912 UNION POSTER CALLING FOR 8 HOUR WORKDAY

1830s
US WORKERS BEGIN TO PUSH FOR A 10 HOUR WORK DAY

"CAPITAL CARES NOTHING FOR THE LENGTH OF LIFE OF LABOR-POWER. ALL THAT CONCERNS IT IS SIMPLY AND SOLELY THE MAXIMUM OF LABOR-POWER, THAT CAN BE RENDERED FLUENT IN A WORKING-DAY. IT ATTAINS THIS END BY SHORTENING THE EXTENT OF THE LABORER'S LIFE, AS A GREEDY FARMER SNATCHES INCREASED PRODUCE FROM THE SOIL BY ROBBING IT OF ITS FERTILITY."
KARL MARX, DAS KAPITAL, 1867

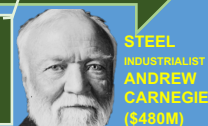
WORKER PAY & HOURS

CAPITAL
KARL

RICHEST MAN ON EARTH IN 1900?

1840	1845	1850	1855	1860	1865	1870	1875	1880	1885	1890	1900
\$1.13	\$1.25	\$.73	\$.60	\$.85	\$1.59	\$1.52	\$1.42	\$1.55	\$1.97	\$1.88	\$1.65

AVERAGE DAILY STEEL WORKER PAY IN NEW YORK FROM US BUREAU OF LABOR



STEEL INDUSTRIALIST ANDREW CARNEGIE (\$480M)

1750 — 1800 — 1850 — 1900



GLOBAL EFFECTS

EXTENSIVE MINING CENTERS

MEXICO S. AFRICA

- RANCHER FOUND COPPER, ZINC, COBALT, MANGAN. DEPOSITS IN 1868
- FRENCH, GERMAN & MEXICAN CO.s EXTRACT THE METALS INTO 1980s
- HUGE DIAMOND DEPOSIT DISCOVERED
- BRITISH ATTEMPTS TO ANNEX THESE MINES LED TO 1ST BOER WAR (WHICH THEY LOST TO THE S. AFR REPUBLIC)

ECON DECLINE

INDIA

- ONCE VIBRANT ECONOMY UNDER MUGHALS
- TURNED TO EXPORT ECONOMY: COTTON

TRANS-NATIONAL BUSINESSES

S. AMER HSBC

- UNITED FRUIT Co. (USA)
- NEAR MONOPOLY ON BANANA TRADE
- BANANA REPUBLICS
- 1865: FOUNDED IN HONG KONG
- 6TH LARGEST BANK ON EARTH



VARIOUS REFORMS

GERMANY BRITAIN

- OTTO VON BISMARCK PASSED OLD AGE & DISABILITY INSURANCE BILL (1889)
- PENSION FOR 65+ (EX: US SOC SEC=1935)
- EXPANDED VOTING: 1832: LAND OWNING MALES (1/7 OF POP)
- 1867: URBAN MALES w/PROPERTY
- 1918: MEN 21+ WOMEN 30+

STATE-SPONSORED INDUSTRIALIZATION

EGYPT CHINA RUSSIA JAPAN

- MUHAM. ALI NATIONALIZED THE COTTON INDUSTRY
- MODERNIZED INDUS/MILIT. TOO
- 'SELF STRENGTHEN. MOVEMENT' AFTER OPIUM WRS UNSUCCESSFUL
- MODERNIZ. IN 1897!!!!!!!!!!!!!!!!!!!!
- BEGAN BUILDING TRANS SIBERIAN RAILROAD (1891)
- MEIJI RESTOR. BEGAN 1870 AS GOV'T CAUGHT UP w/WEST
- GOV'T SPONS.



GLOBAL EFFECTS

DECLINE OF ASIAN/MIDDLE EAST SHARE IN GLOBAL MANUFACTURING:

IRONWORKS IN INDIA

INDIAN IRONWORKS PRIOR TO THIS PERIOD WERE WORLD RENOWNED (SEE MUGHALS). BUT BRITISH ARRIVAL/COLONIZATION LED THE BRITS TO SHUT DOWN/OUTLAW THE MINES AS IRON COULD BE USED TO HELP AID REBELLIONS AGAINST THE BRITISH RAJ

SHIPBUILDING IN INDIA/SE ASIA

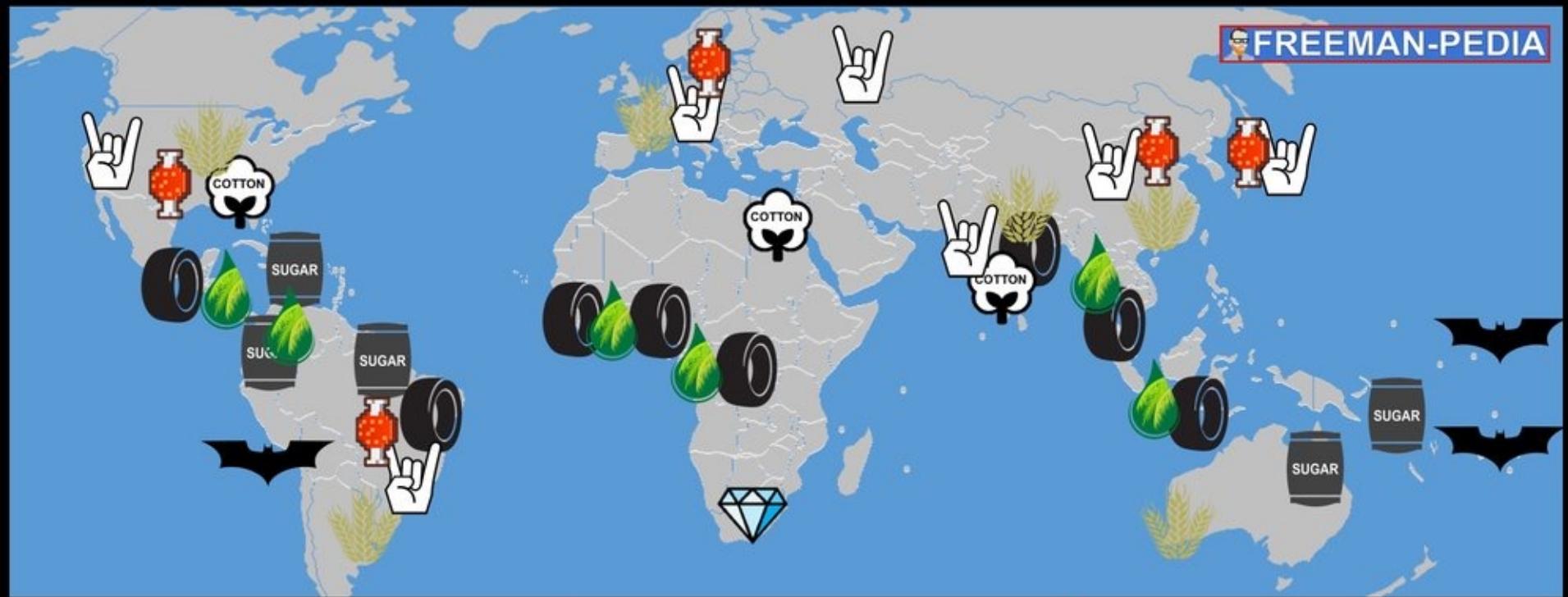
SIMILAR TO IRON, AS THE BRITISH CAME IN, SHIPBUILDING IN INDIA WAS RESTRICTED OF COMMANDEERED FOR BRITISH USE. SE ASIA WAS SIMILARLY AFFECTED BY CHINESE, PORTUGUESE, & DUTCH ARRIVAL IN THE SPICE TRADE.

TEXTILE PRODUCTION IN INDIA AND EGYPT

BOTH WERE IMPORTANT CENTERS FOR TEXTILE PRODUCTION BUT WERE OUTPACED BY EUROPEAN INDUSTRIAL PROWESS LEADING TO A DECLINE IN THEIR DOMINANCE.

GLOBAL EFFECTS

NATURAL RESOURCES PRODUCTION FOR EXPORT:



 COTTON
 SUGAR
 GUANO

 RUBBER
 WHEAT
 METALS

 PALM OIL
 MEAT
 DIAMONDS

GLOBAL EFFECTS

COMMODITIES CONTRIBUTING TO THE EXPANSION OF THE 19TH CENTURY GLOBAL ECONOMY [FREEMAN-PEDIA](#)



 COTTON  OPIUM  PALM OIL  COPPER