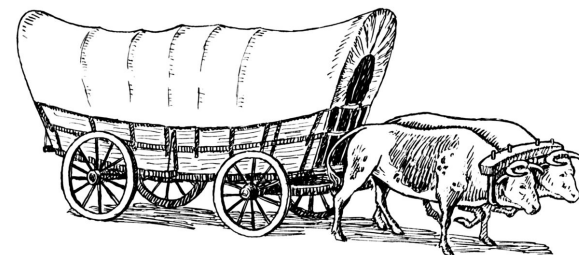


**Content:** I can understand the significance of transportation during the Industrial Revolution by summarizing in a brace map. **Language:** I can write to evaluate the significance of transportation using the sentence stems: *Transportation was important during the Industrial Revolution because ... The most important type of transportation was ...*

# Stagecoaches and Wagons

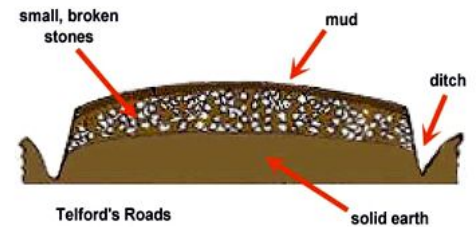


These were the types of large vehicles on roads in the 1800s.

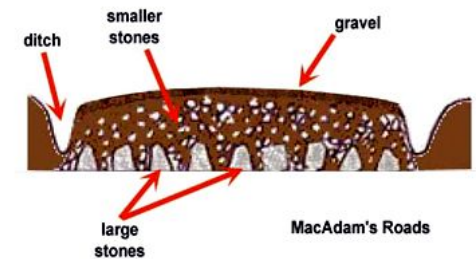
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# Roads

- **Old roads:**
  - Not very strong
  - Full of holes and bumps
  - Very muddy / vehicles got stuck
- **New road technology:**
  - Gave more structure to the roads
  - Could withstand heavier, faster, and larger forms of transportation
  - More comfortable to travel over
- State and National roads were created for easier and safer travel



Telford's Roads © Shirley Burchill



MacAdam's Roads © Shirley Burchill

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# River Travel and Canals

- **Canals:** Man-made waterways to allow boats faster travel from one place to another
  - Helped farmers and manufacturers move food and goods to growing cities
  - Boosted business
- **Erie Canal (built 1817-1825)**
  - Linking the Great Lakes with the Mohawk and Hudson Rivers
  - Inventors had to build new equipment
  - Cost of shipping dropped
  - Other states started building big canals

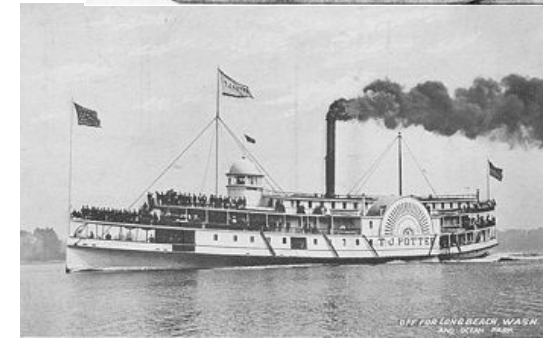
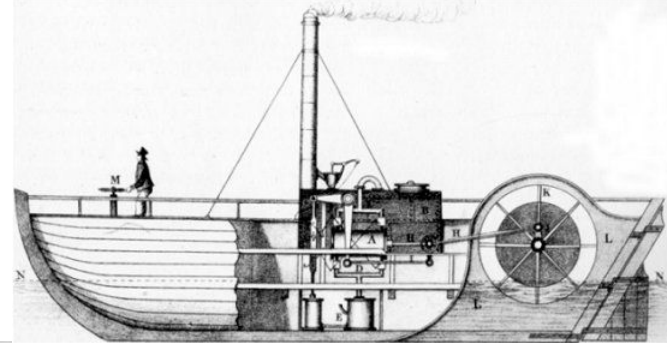
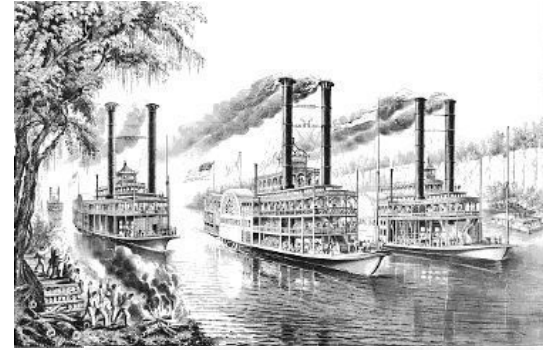




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# Steamboats

- Traveling on rivers was faster and more comfortable than traveling on bumpy roads
- Steamboats allowed people to boat upstream easier
- Many people and goods could travel in these boats at once
- Problems: sparks could cause fires, boilers could explode



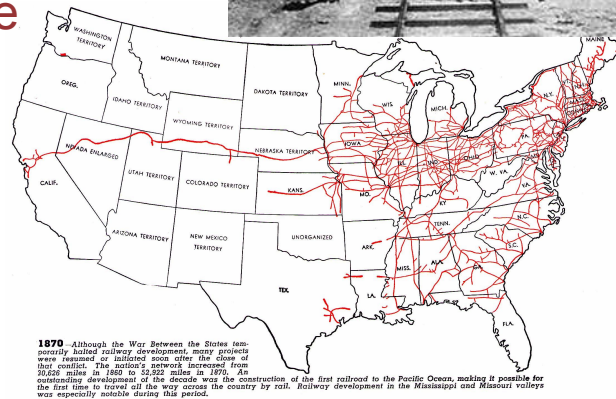
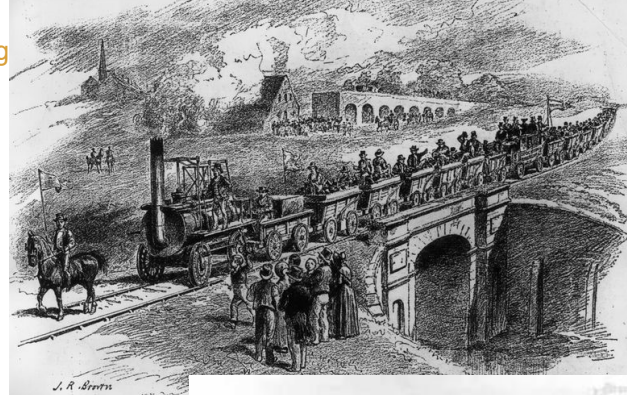
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# Railroads

- **Many problems at first:**
  - Accidents, breakdowns, and delays
  - Different width tracks meant certain trains could only travel on certain lines
  - Embers from the engines burned holes in passengers' clothing and set buildings on fire

- **Railroad Boom by 1850s**

- Engineers solved problems like using iron rails instead of wood
- Moved more people faster

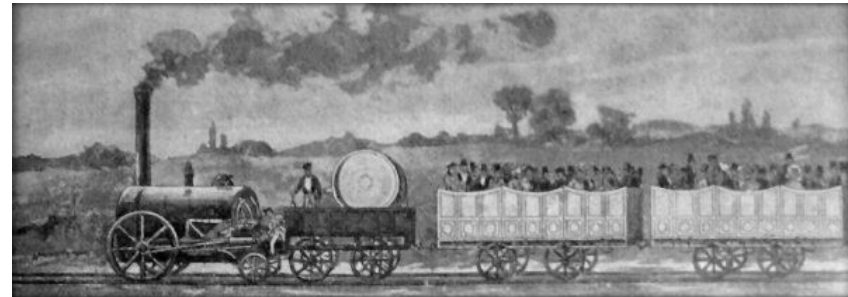
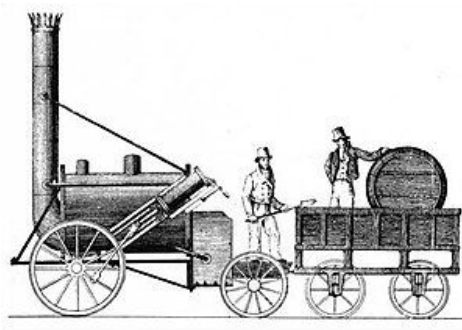
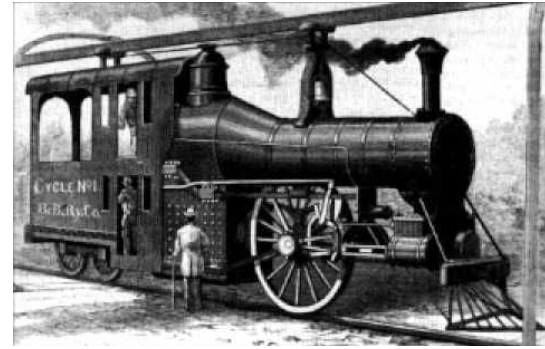


**1870**—Although the War Between the States temporarily halted railway development, many projects were resumed or initiated soon after the close of that conflict. The nation's railway network grew from 20,000 miles in 1860 to 52,322 miles in 1870. An extraordinary development of the decade was the construction of the first railroad to the Pacific Ocean, making it possible for the first time to travel all the way across the country by rail. Railway development in the Mississippi and Missouri valleys was especially notable during this period.

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# Steam Powered Trains

- First rail cars were pulled by horses and mules
- Steam Powered Trains allowed fast travel (steady 30+ mph)
- Stephenson Rocket first built in 1829



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**Summary:** outside your brace map, write ...

*Transportation was important during the Industrial Revolution because ...*

*The most important type of transportation was ...*

