## Transportation



Thinking he has pioneered a westward route to the spice-rich Columbus lands in the first European contact, about 90 million Native Americans live in North

East Indies, Christopher Bahamas. At the time of and South America.

Stagecoaches offer public passenger service and covering 15 miles a day is considered a good speed. The coaches travel in stages, changing horses at each stop. As a result, the stagecoach line is born.



Pilgrimages to religious sites are seen as acts of faith. Roads and towns develop along the pilgrim routes, expanding trade and communication in Europe. Beginning in 1096, Crusades to the distant Holy Land expose Europeans to Arab culture.

Leif Ericson Chinese invent reaches North magnetic compass. America.

Marco Polo travels to China. Mercator creates his world map.

1750 First Conestoga wagons are built. Vulcanized rubber is invented.

1869 Transcontinental railroad spans U.S.

Gondolas first appear in Venice.

London Bridge is built.

Portuguese explorers start slave trade.

Mayflower lands at Plymouth Rock. Lewis and Clark explore American West.

**Practical** internal-combustion engine appears.

**Public rides** first escalator.

Pirates terrorize the seas between 1690 and 1730. One of the most notorious pirates is Edward Teach, known as "Blackbeard." The fictional Captain Hook first appears in the 1904 play "Peter Pan" which inspires books, musicals and films throughout the century.



The first practical wheelchairs provide new mobility for those unable to walk. Early models of wheelchairs have three wheels and hand cranks to propel the chair forward.

During the Revolutionary War, a submarine is used in battle for the first time. Built by American David Bushnell, the one-person vessel is powered by a hand-cranked propeller. Twentieth-century submarines are complex, nuclear-powered craft used for defense and scientific purposes.



France's Montgolfier brothers launch the first hot-air balloon. Filled with smoke, the silk balloon rises to 6,000 feet. Later that year, the first passengers go aloft-a rooster, a duck and a sheep.

Birchbark canoes provide transportation for many Native Americans. The canoes are made with a light wood frame covered with pieces of bark sewn together and made watertight with melted pitch.