

Transit.

Table of Content

- * Introduction.
- * What is transport & it's modes.
- * History of transport.
- * Air transport.
 - Airplane.
 - Jet.
 - Biplane.
 - Flight.
 - Parachute.
- * Land transport.
 - Bus.
 - Car.
 - Motor cycle.
 - Truck.
 - TCB.
- * Rail ways.
- * Animal-powered transportation.
- * Water transportation.
 - Ship
 - Battle Ship.
 - Cargo Ship.
 - Sailing Ship.
 - Steamer Ship.
 - Boat
- * Conclusion.

Transit

Introduction:



The achievements in the field of transportation and the establishment of a new social middle class in the 19th century created the precondition for a boom in tourism. The international development of transport links, an increase in the professionalism of tourism providers and a rapidly advancing technological development in both transport capacity and management were for distant places. The emergence of mass tourism necessitated development of information and communication technology in the field of transportation.

This was essential and communication technologies in order to be able to manage the field of transportation. This was essential in inventory and planning, to coordinate all the stakeholders involved in the transport industry and to communicate the corresponding mass of information to the right person at the right time.



What is transportation?



Transport or transportation is the movement of humans, animals and goods from one location to another. In other words the action of transport is defined as a particular movement of an organism or thing from a point A to a point B.



Modes of transportation:

- * Air ways
- * Land ways
- * Water ways





Ancient Transportation:

The first form of transport was, surely, pony (the human foot). However, people eventually learnt to use animals for transportation. Donkeys and horses were probably domesticated between 4,000 and 3,000 BC (obviously the exact date is not known).

Camels were domesticated slightly later between 3,000 and 2,000 B.C.

Meanwhile about 3,500 BC the wheel was invented in what is now Iraq. At first wheels were made of solid pieces of wood lashed together to form a circle but after 2000 BC they were made with spokes.

The earliest boats were dug out canoes. People lit a fire on a big log then put it out and dug out the burnt wood. About 3,100 BC the Egyptians invented the sailing boat. They were made of bundles of papyrus reeds tied together.



Air transport :



Air transport is the fastest means of movements from one place to the other. It has reducing distance by minimising the travel time. It is a very essential for a vast country like India where distance are large and the terrains and climatic conditions are diverse. The Air port Authority of India is responsible for providing safe, efficient services in the Indian air space.



Airplane:



Airplane, also called aeroplane or plane, any of a class of fixed wing aircraft that is heavier than air, propelled by a screw propeller or a high velocity jet, and supported by the dynamic reaction of the air against its wings for an account of the development by the airplane and the advent of civil aviation see The essential components of an airplane are a wing system to sustain it in flight tail surfaces to stabilize the wings.



Air transport

2. Jet.:



A jet aircraft is a aircraft propelled by jet engines where the engines in propeller-powered aircraft generally achieve their maximum efficiency at much lower speed and altitude. Jet engines and aircraft achieve maximum efficiency at speed close to or even well above the speed of sound. Jet aircraft generally cruise at faster than about altitudes around 10000-15000 metres or more. Frank Whittle, an English inventor and RAF officer, developed the concept of the jet engine in 1928, and Hans von Ohain in Germany developed the concept independently in the early 1930s.



3. Biplane:



A biplane is a fixed-wing aircraft with two main wings stacked one above the other. The first powered, controlled aeroplane to fly, the Wright flyer, used a biplane wing arrangement, as did many aircraft in the early years of aviation. While a biplane wing structure had advantages over a monoplane wing, improved structural techniques, better materials and higher speeds made the biplane configuration.





Air transport

4. Flight:



Flight is the process by which an object moves through an atmosphere (or beyond it as in the case of spaceflight) without contact as in the surface. This can be achieved by generating aerodynamic lift associated with propulsive thrust, aerostatically using buoyancy, or ballistic movement.

The study of vehicles that travel through the air, and astronautics, the study of vehicles that travel through space, and ballistics, the study of the flight of projectiles.

5. Parachute:

A parachute is a device used to slow the motion of an object through an atmosphere by creating drag (or in the case of ram-air parachutes, aerodynamic lift). Parachutes are usually made out of light, strong fabric, originally silk, now most commonly nylon. They are typically dome-shaped, but vary, with rectangular, inverted dome, and others found. A variety of loads are attached to parachutes including people, food, equipment, space capsules and bombs.





Land transport:

Land transport is the transport or movement of people, animals or goods from one location to another location on land. The main forms of land transport are rail transport and road transport.

Bus:



A bus (contracted from omnibus, with variants multibus, motorbus, autobus, etc) is a road vehicle designed to carry many passengers. The most capacity as high as 300 passengers. The most common type is the single-deck rigid bus, with larger loads carried by double-decker and articulated buses and smaller loads carried by minibuses and minibuses.



Land transport

Car:



A car is a wheeled motor vehicle used for transportation. Most definitions of cars say that they run primarily on roads, seat one to eight people, have four tires, and mainly transport people rather than goods. Cars came into global use during the 20th century, and developed economies depend on them. The year 1886 is regarded as the birth year of the modern car.

Motor cycle:



A motorcycle, often called a motorbike, bike, or cycle, is a two- or three-wheeled motor vehicle. Motorcycle design varies greatly to suit a range of different purposes: long distance, travel, commuting, sport including racing and off-road riding.



Land transport

Truck:



A truck or lorry is a motor vehicle designed to transport cargo. Trucks vary greatly in size, power, and configuration; smaller varieties may be mechanically similar to some automobiles. Commercial trucks can be very large and powerful and may be configured to be mounted with specialized equipment, such as in the case of refuse truck, fire trucks, concrete mixers, and suction excavators.



JCB:



J.C. Bamford Excavators limited, universally known as JCB, is a British multinational corporation, with headquarters in Rocesters, manufacturing equipment for construction, agriculture waste handling and demolition. It is the 3-largest construction equipment.



Land transport

Railways:

- * Rail transport is also known as train transport.
- * Train is a means of transport, on vehicles which run on tracks (rails or railroads).
- * It is one of the most important, commonly used and very cost effective modes of commuting and goods carriage over long, as well as, short distances.
- * In contrast to road transport, where vehicles run on a prepared flat surface, rail vehicles are directionally guided by the tracks on the which they run.





Animal-powered transportation:

It is the use of working animals for the movement of people and commodities. Humans may ride some of the animals directly, use them as pack animals for carrying goods or harness them, alone or in teams, to pull sleds or wheeled vehicles.

Animals-powered transport - broad category of the human working animals (also known as "beasts of burden")

Explanation: Drought animals or working animals are those that are kept by humans to do various tasks or train them properly to fulfill the purpose. Drought animals are mainly domestic animals.

Function:

- * use in agriculture.
- * Transport system.

Example: cattle, horse, Donkey etc.....



Water transport

Water transport is the international movement of water over large distances



1 Ship

A ship is a large watercraft that travels in the world's oceans and other sufficiently deep waterways, carrying passengers or goods, or in support of specialized missions, such as defense, research and fishing. Historically, a "ship" was a sailing vessel with at least three square-rigged masts and a full bowsprit.



* Battle Ship



A battleship is a large armored warship with a main battery consisting of large caliber guns. During the late 19th and early 20th centuries the battle ship was the most powerful warship, and a fleet centered around the battleship was part of the command of the sea doctrine for several decades. By the time of World War II, however the battle ship was made obsolete as other ships, primarily the smaller and faster destroyers, the secretive submarines, and the powerful & large aircraft carriers came to be found far more useful in naval warfare.

Water transport



* Cargo Ship



A cargo ship or freighter is a merchant ship that carries cargo, goods and materials from one port to another. Thousands of cargo carriers ply the world's seas and oceans each year, handling the bulk of international trade. Cargo ships are usually specially designed for the task, often being equipped with cranes and other mechanism to load and unload, and come in all sizes.



* Sailing Ship

A sailing ship uses sails, mounted on two or more masts, to harness the power of wind and propel the vessel. There is a variety of sailplans that propel sailing ships, employing square-rigged or fore-and-aft sails. Ships carrying square-sails on each mast - the brig and full-rigged ship, said to be "Ship-rigged" when there are three or more masts. Still others employ a combination of square and fore-and-aft sails, including the barque, barquentine, and brigantine.



Water transport



* Steamer Ship

The first steamships came into practical usage during the early 1800s; however, there were exceptions that came before. A Steamship, often referred to as a steamer, is a type of steam-powered vessel, typically ocean-going and seaworthy, that is propelled by one or more steam engines that typically move propellers or paddle wheels. Steam ships usually use the prefix designations of "PS" for paddle steamer or "SS" of screw steamer.



2 Boat

A boat is a watercraft of a large range of types and sizes, but generally smaller than a ship, which is distinguished by its larger size, shape, cargo or passenger capacity, or its ability to carry boats. Small boats are typically found on inland waterways such as rivers and lakes, or in protected coastal areas.

1. Conclusion about Transportation



- * Transportation is a major activity therefore boosting the economy.
- * Main activities of nation can't take place without transport.
- * The means of transport that should be improved in order to make numerous milestones on the economy is air transport and railway transport.
- * Other means of transport need to be embraced in order to ensure that the cities of India are well connected.
- * On the other hand road network should be improved to ensure people find it easy to use them.

