a) BUCKET CONVEYOR:

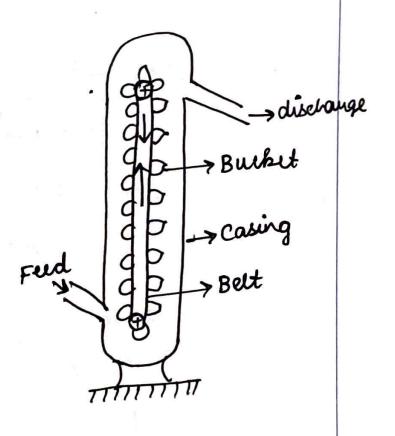
* BC consist of endless chairs on hilts to which are attached buckets to convey bulk material in horizontal, inclined and untical paths

3 types

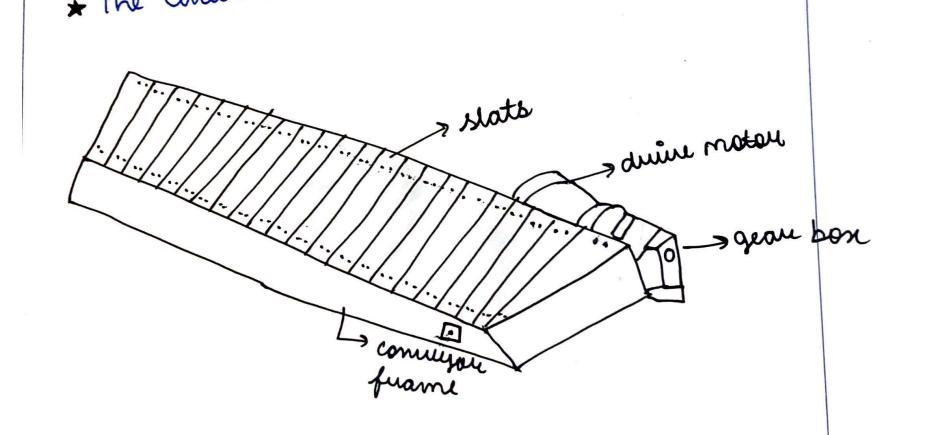
- a) antrifugal Bucket Conneyor
- b) Continuous BC
- c) positive discharge BC

monteing (construction:

- + It is used for mutical lifts * Buckets are fixed on chair
- which nous on two whels
- * Buckets are loaded out the bottom discharged at the top



b) slat Convuyou: * SC use a slat and chair system to move components along an assembly line * They are often used where pureduction operations are performed with the parts located on the conveyor * Steel panels are attached to the chair with special * The chair is driven by an electric motor Egeorbox chair attachments



SYSTEMS :-CONVEYOR

- * Marie nationals from one location to another location.
- * Mechanical Dewice
- * Trucking the transportation of heavy (or) Bully nativials

DESIGNING A CONVEYOR SYSTEM:

- 1) Capacity requirement
 - 2) dength of though
- 3) Naturial chauseturistics
 - 4) Puecessing Meguinenents
- s) dife eseptetoney
- 8) (sate

MAIN ELEMENTS OF CONVEYORS:

- CONVEYOR DRIVES:
- the total cost of the Conveyor system, depending on specific jobs * Commyon drives may account for from 10.1. to 30.1. of

requirements.

- * They may be of either fined -speed on adjustable -speed type
 - * Adjustable spud durines one designed for changing speed eithur narmally en automatically while the Conveyor is in openation, to meet variations in sphoessing requirements.

- 2) CONVEYOR MOTOR8:-
- * Consumper motions for consumper durints our generally of ayo- and 480-1 suctings.
- * The squimul cage mater is most commonly used swith Just conveyous and with drives supto 7.457 AN (10 hp).

3) CONTROL OF CONVEYORS:

- * Contrast that tuen enhanced consideredally
- * with the intuoduction of pureuss contract computure and purapuramentale contrastlents which can be used to maintain matel capouties.
- * Thursday warriable Speed drives, outputs can be adjusted automatically for changes in puscessing conditions.

WORKING OF BELT CONVEYOR:

- * Best Conveyor is composed by two pullings and a closed conveyor Jult.
- * The pully that pulls conveyor liest is called duine pully.
- * The estrest one is only used to change consenjou suct mountaint direction called the hard fulley.
 - * Dime pulling is driver by the notion.
- * puine pully is installed at the dischauge end.
- * Notwish is fed on the fud , side and landed on the justating commyou belt.

