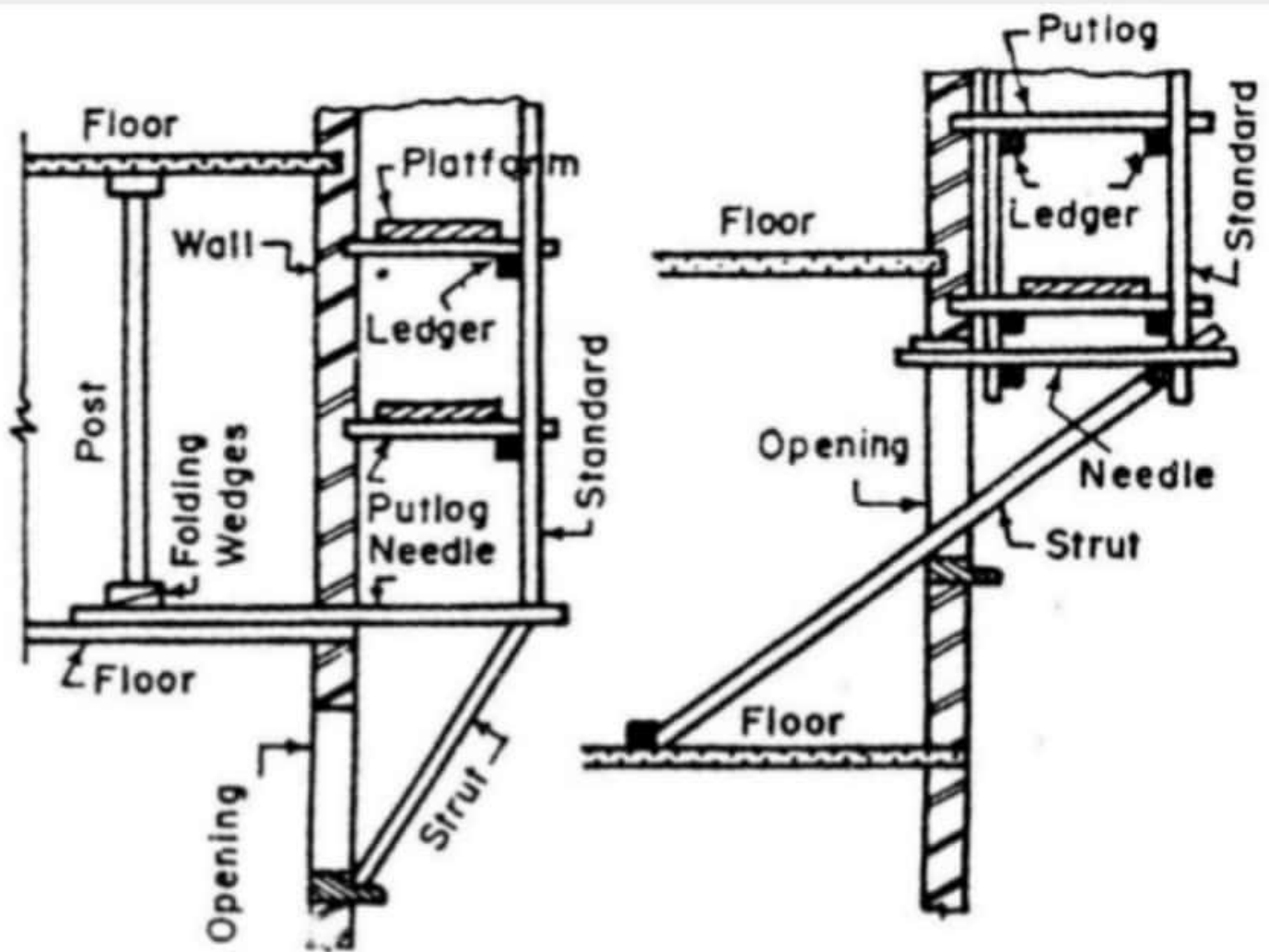


## Cantilever Scaffolding:

- ▮ This is a type of scaffolding in which the standards are supported on a series of needles and these needles are taken out through holes in the wall. This is called single frame type scaffolding.
  - ▮ In the other type needles are strutted inside the floors through the openings and this is called independent or double frame type scaffolding. Care should be taken while construction of cantilever scaffolding.
- ❖ **Generally cantilever scaffoldings are used under conditions such as**
- ✓ When the ground does not have the capacity to support standards,
  - ✓ When the ground near the wall is to be free from traffic,
  - ✓ When upper part of the wall is under construction.



(a) Single Frame

(b) Double Frame

FIG. 18.10. NEEDLE SCAFFOLDING.

## Suspended Scaffolding:

- ❑ In suspended scaffolding, the working platform is suspended from roofs with the help of wire ropes or chains etc., it can be raised or lowered to our required level.
- ❑ This type of Scaffolding is used for repair works, pointing, paintings etc..

## Trestle Scaffolding:

- ❑ In Trestle scaffolding, the working platform is supported on movable tripods or ladders. This is generally used for work inside the room, such as paintings, repairs etc., up to a height of 5m.



## Steel Scaffolding:

- ❑ Steel scaffolding is constructed by steel tubes which are fixed together by steel couplers or fittings. It is very easy to construct or dismantle. It has greater strength, greater durability and higher fire resistance. It is not economical but will give more safety for workers. So, it is used extensively nowadays.

## Patented Scaffolding:

- Patented scaffoldings are made up of steel but these are equipped with special couplings and frames etc., these are readymade scaffoldings which are available in the market. In this type of scaffolding working platform is arranged on brackets which can be adjustable to our required level.

