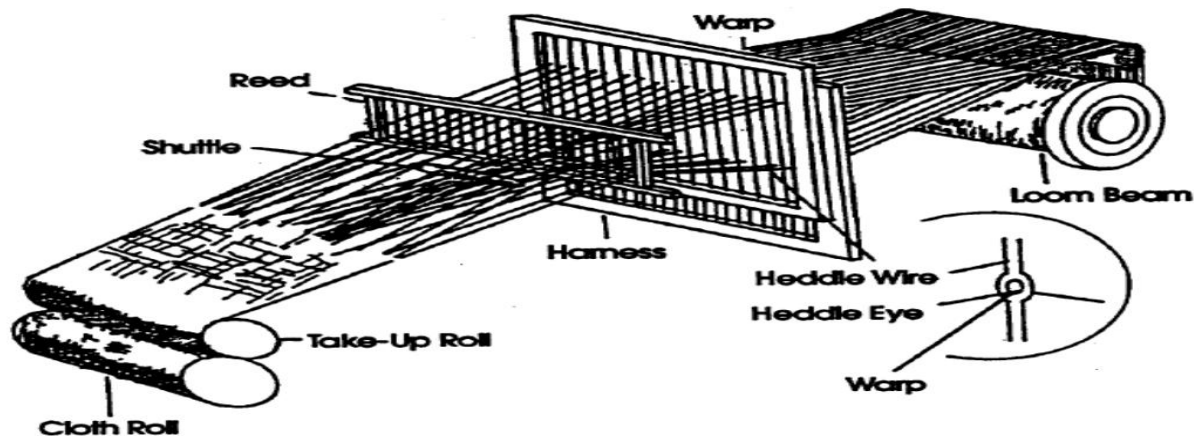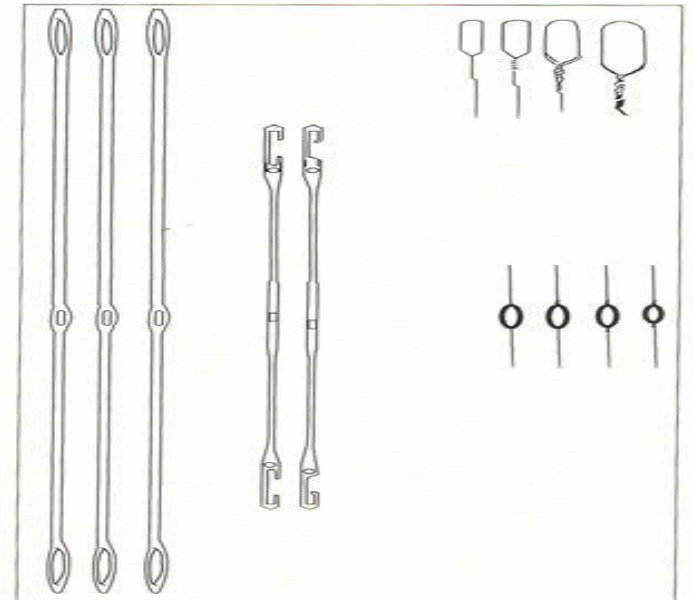# Drawing-in

Function of this process is to pass the warp threads through the 'heald wires' and 'reed' according to the design.

## Flow Of Yarn On A Loom

- Warp Beam
- Back Rest (Breast Beam)
- Drop Wires
- Harness and Heddles
- Reed
- Cloth Fell
- Fabric Roll

Warp

Reed

Shuttle

Harness

Take-Up Roll

Loom Beam

Heddle Wire

Heddle Eye

Warp

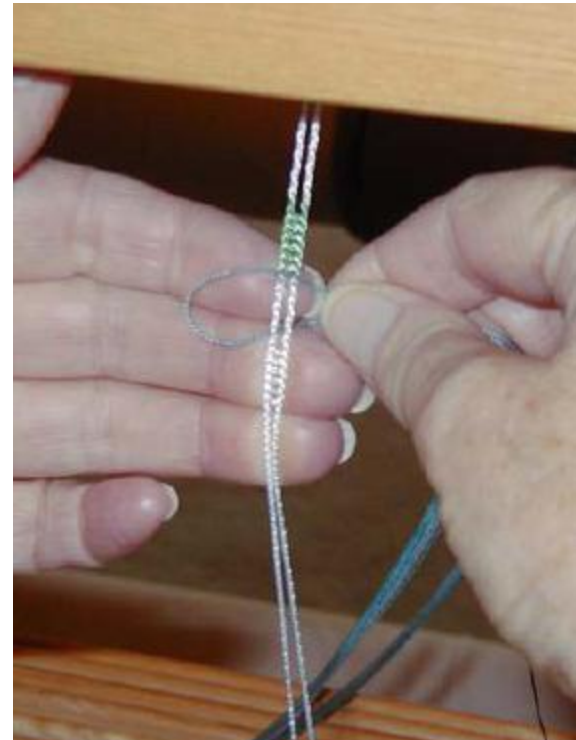Cloth Roll

# Drawing-in



# Heald Frame        and        Heald Eyes

# Drawing-in

Function of this process is to pass the warp threads through the 'heald wires' and 'reed' according to the design.

**Knotting-in**

Function of this process is to tie or twist the threads of exhausted beam to the threads of fresh beam.

**Looming-in**

Function of this process is to load and fix the drawn-in weaver's beam onto the loam and thread the warp sheet in such a way that the loom becomes ready for weaving.

# Pirn winding (Weft insertion)

Function of this process is to wind weft yarns on a pirn. Pirn is a bobbin which fits into a shuttle and supplies the weft yarn.

# Primary Motions

Primary motions are those which are compulsory for the weaving process. Without these weaving is impossible. The order of primary motion is also essential.
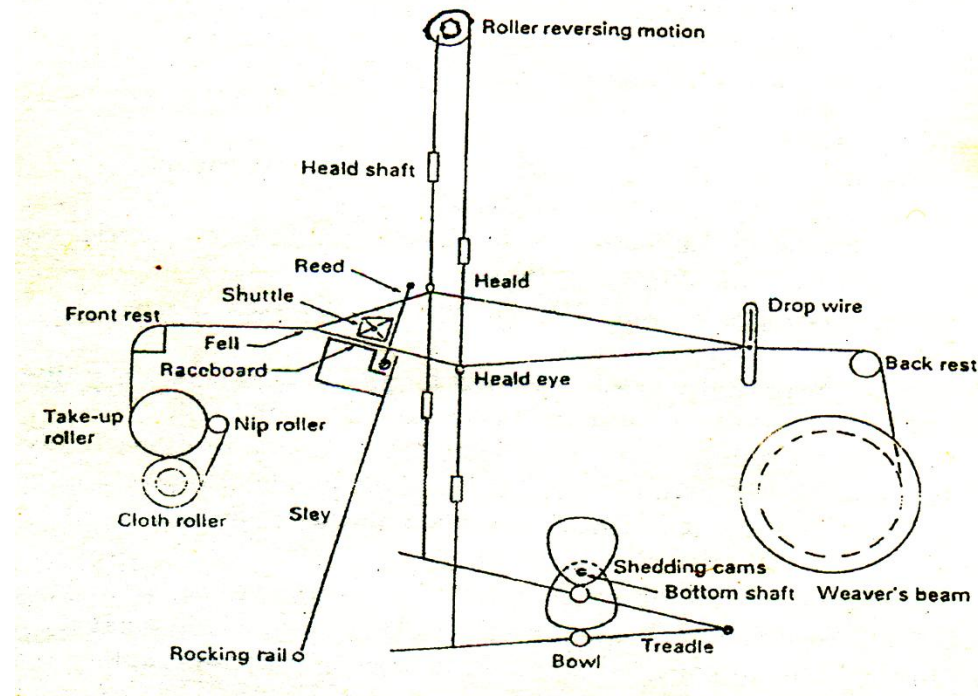
- SHEDDING

  This motion separates the warp sheet into two groups so as to make a gap known as the shed for the insertion of pick.

- PICKING

  This motion propels a weft thread (a pick) through the shed.

- Beating-up

  This motion pushes a newly inserted pick to the fell of the cloth.

# Secondary Motions

The basic purpose of these motions is to enable the weaving process to be continue.

1. **Let off motion:** The basic function of this motion is to unwind warp threads from weaver's beam in such a way that fresh warp is presented to the weaving area under controlled tension & at the required rate.

2. **Take up motion:** The basic function of this motion is to wind the woven cloth on to the cloth roller at a specified speed.