

# Conversion of Timber

# Keywords

- ▶ Clear Felling
- ▶ Conversion
- ▶ Cupping
- ▶ Flame figure
- ▶ Plain Sawing
- ▶ Quarter Sawing
- ▶ Radial Sawing
- ▶ Tangential Sawing

# Felling

- ▶ Trees are cut down in the winter months as they have less sap...easier to cut and dry out quicker
- ▶ Clear felling involves removing all of the trees in a certain area in the one go....more economical
- ▶ Trees are then transported to the saw mill for conversion into useable planks



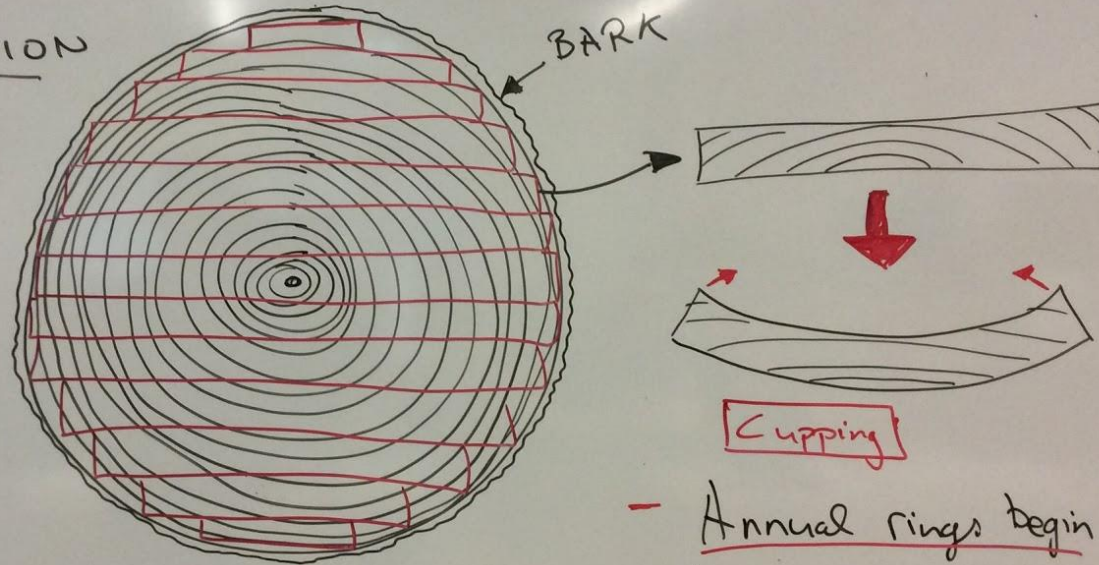
# Conversion

- ▶ Reasons to convert timber into planks
  - ▶ Allows the timber to dry out quicker
  - ▶ Means timber is a useable size and shape for construction and furniture making
  - ▶ Allows timber to be assessed for quality



# THROUGH + THROUGH SAWING

CROSS SECTION  
OF A TREE



\* Very quick method

\* Cheap method of conversion

\* Very little waste

- Annual rings begin to straighten once dry + change the shape of the plank.

# Quarter Sawn

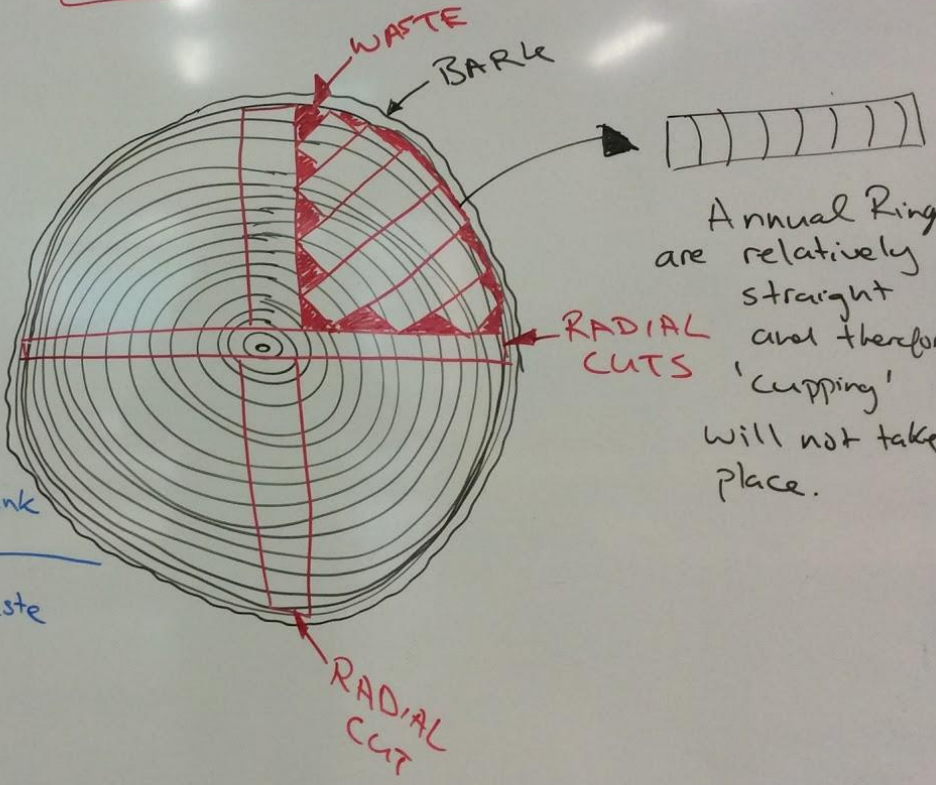
## CROSS SECTION OF A TREE

Adv's

- \* Attractive grain pattern
- \* Stable boards - don't cup/twist/shrink as much

Disadv's

- \* Expensive / a lot of waste
- \* Labour intensive



RADIAL CUTS

Annual Rings are relatively straight and therefore 'cupping' will not take place.

# TANGENTIAL SAWING

## CROSS SECTION OF A TREE

Adv's

- \* Attractive flame pattern achieved
- \* Boards don't split easily

Disadv's

- \* Labour intensive
- \* Expensive
- \* More waste timber produced

