

Diagram referenced as "DNA stages in the formation of plant cell walls. The secondary wall"

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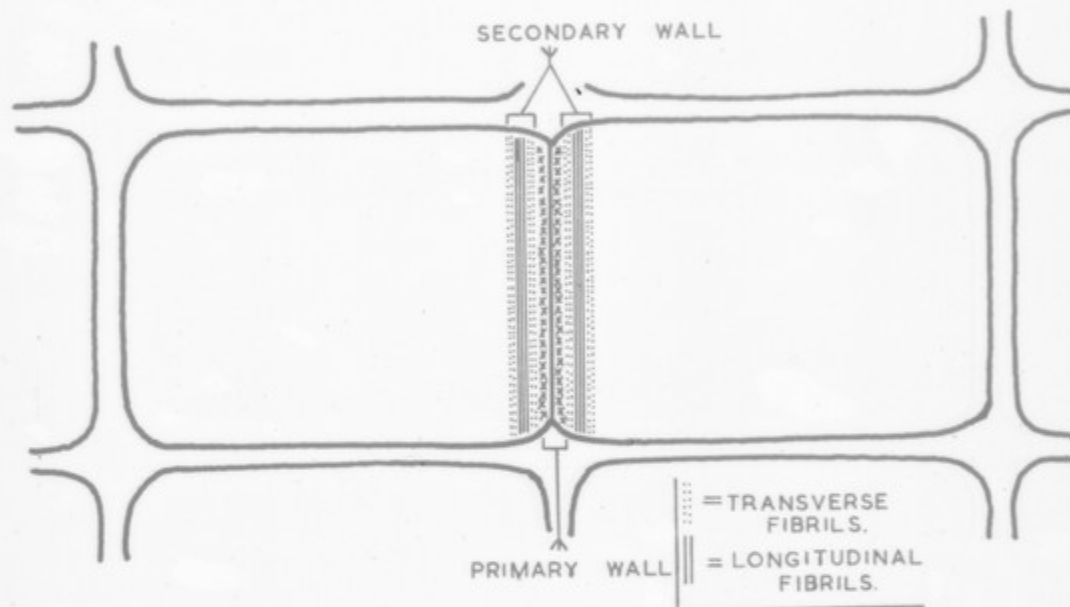
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STAGES IN THE FORMATION OF PLANT CELL WALLS.

3. THE SECONDARY WALL.



IN HIGHER PLANTS THE SECONDARY WALL MAY BE DEFINED, WITH CERTAIN EXCEPTIONS, AS BEING 3-LAYERED. THE INNER AND OUTER LAYERS ARE VERY THIN WITH TRANSVERSELY ORIENTATED FIBRILS; THE MIDDLE LAYER IS THICK AND CONSISTS MAINLY OF LONGITUDINAL FIBRILS. WITH SECONDARY WALLS ON EITHER SIDE OF IT, THE PRIMARY WALL IS COMPRESSED TO INCLUDE MIDDLE LAMELLA PLUS THE TRUE PRIMARY WALL.