

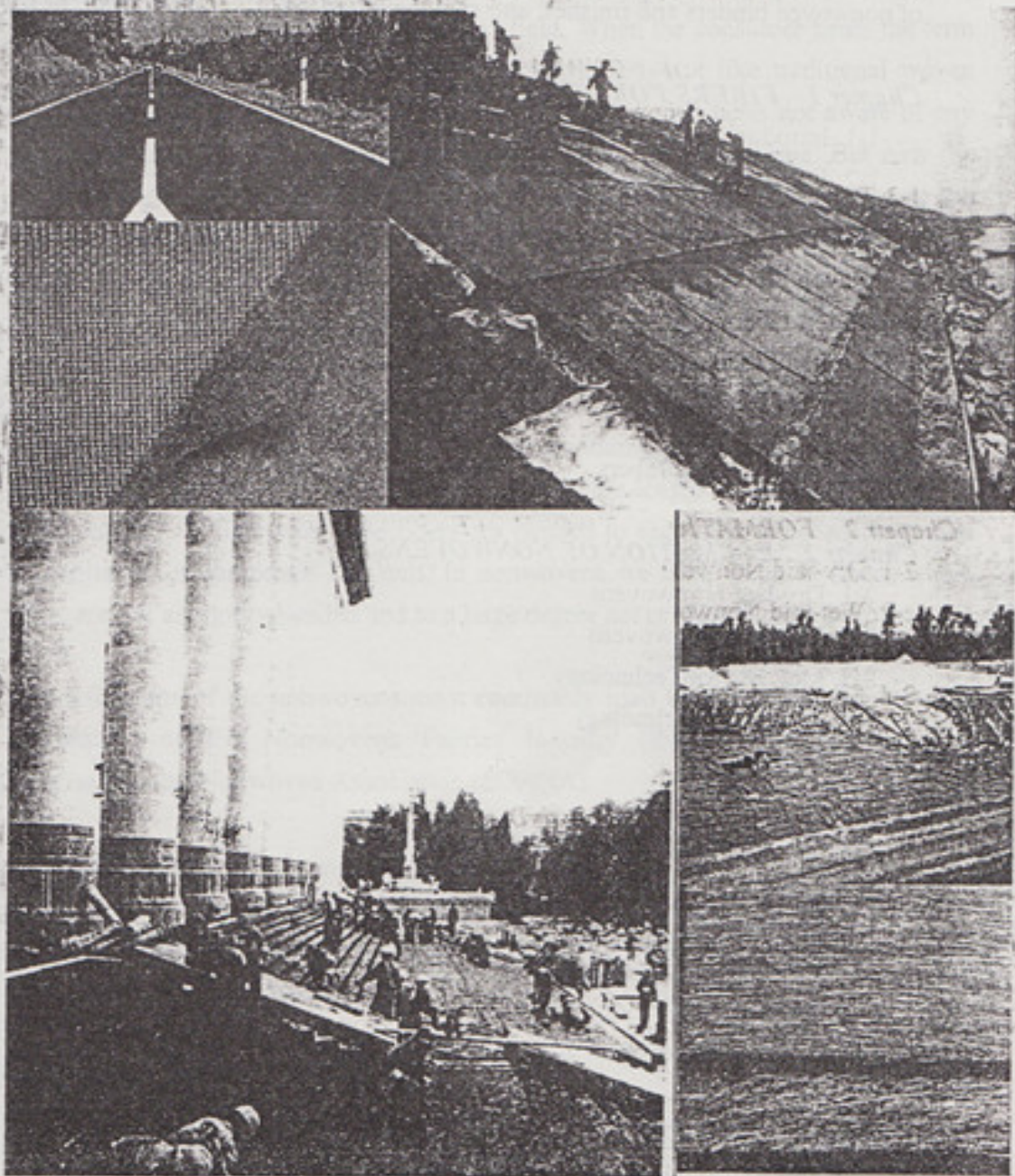
Nonwovens Science  
and Technology  
(非织造布生产技术)

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# Nonwovens Science and Technology

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Inter-relations between mechanics of production and mechanical properties of nonwoven fabrics; characterization of fiber morphology and web structure; chemistry of nonwoven binders and finishes; and engineering of specific fabric properties.

## *Chapter 1 FIBERS FOR NONWOVENS*

- 1-1. Introduction to Nonwovens
- 1-2. Fibers and Fiber Consumption in Nonwovens
- 1-3. Polyester Fibers
- 1-4. Olefin Fiber
- 1-5. Rayon Fibers
- 1-6. Nylon Fibers
- 1-7. Carbon Fibers
- 1-8. Cotton Fibers
- 1-9. Bicomponent Fibers

## *Chapter 2 FORMATION OF NONWOVENS*

- 2-1. Dry-laid Nonwovens
- 2-2. Wet-laid Nonwovens
- 2-3. Melt Blown Technology
- 2-4. Spunbond Technology
- 2-5. Geotextiles

## *Chapter 3 FINISHING AND BONDING*

- 3-1. Finishing of Nonwoven Bonded Fabrics
- 3-2. Chemical Bonding
- 3-3. Needle Punched Nonwovens
- 3-4. Spunlace
- 3-5. Thermal Bonding

## *Chapter 4 GEOTEXTILES*

- 4-1. Use of Nonwovens in Geotextiles
- 4-2. Geomembranes: Part B
- 4-3. Durability of Geotextiles
- 4-4. Testing Methods for Geotextiles