



CRC

for

Premium

Quality

Wool

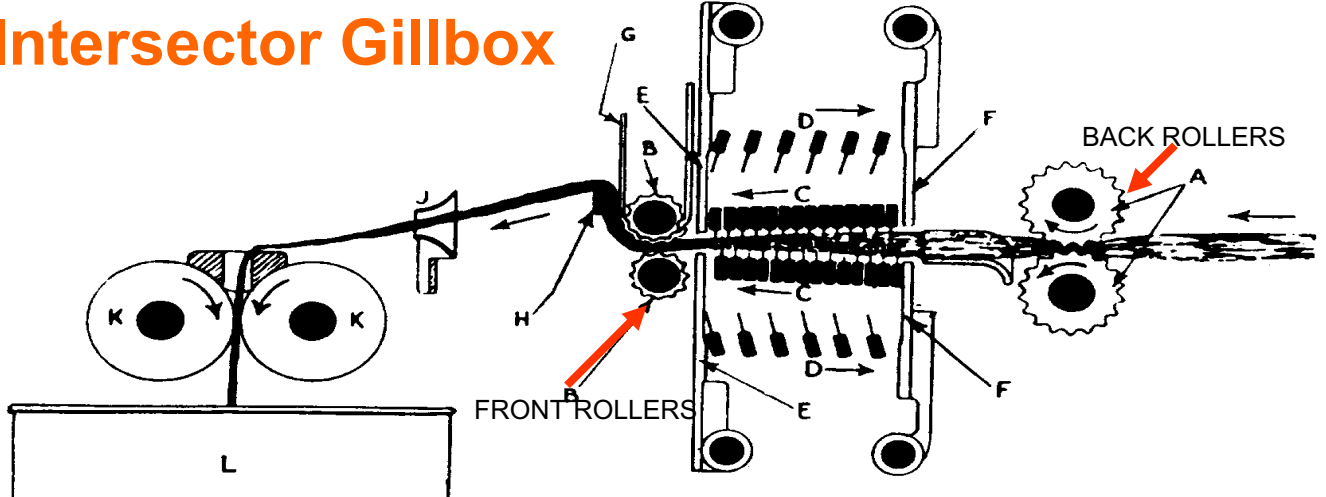
Gilling

Produced for the CRC for Premium Quality Wool undergraduate program by;
Dr. Peter Auer, The University of New South Wales.



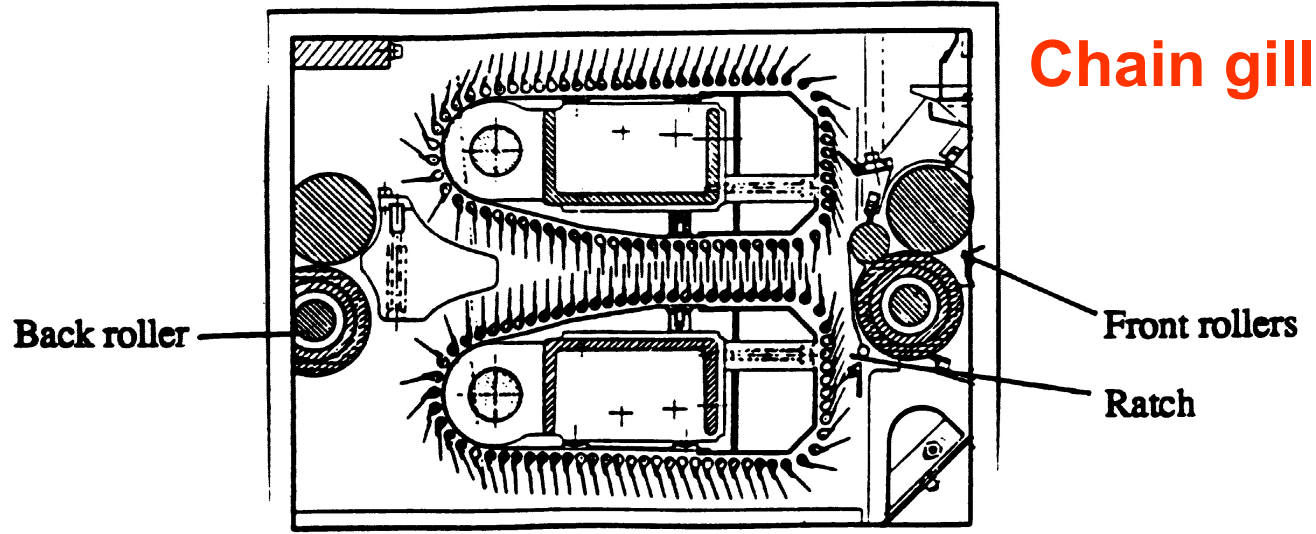
Typical Gillboxes

Intersector Gillbox



C - working fallers, D - return fallers, J - funnel guide, K - press rollers

Chain gill



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- **Functions**

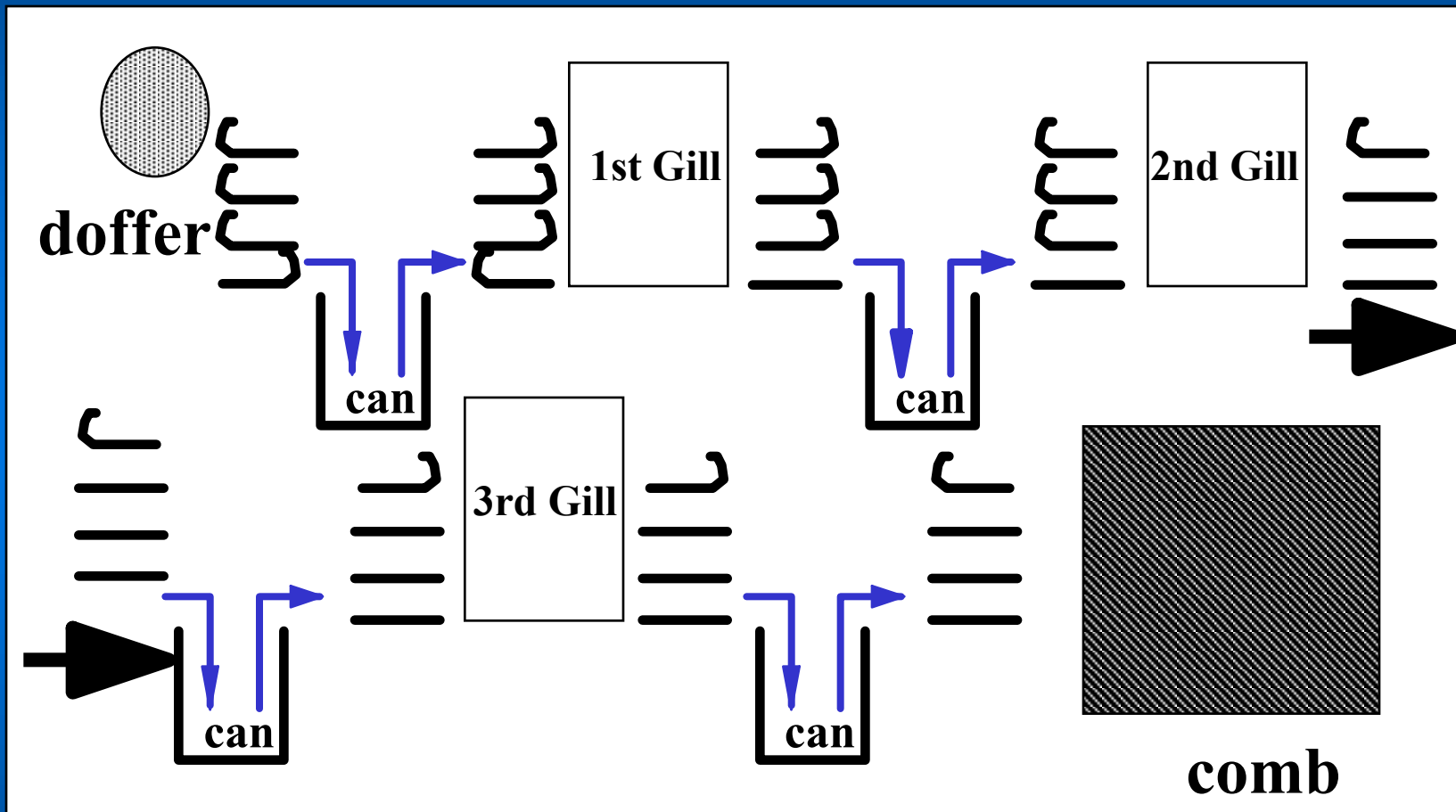
- evenness modulation
 - doubling
- drafting
 - sliver attenuation
 - roller drafting
- fibre control
- fibre blending / mixing
- fibre alignment
- fibre straightening
 - hooks removed

- **Features**

- input slivers
- positive feed
 - minimise tension
- drafting zone
 - ratch setting
- faller bars
 - fibre control (pins)
- output sliver delivery
- cans
 - sliver transport



Preparation Gilling



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Finisher Gilling

- **regularisation**
 - **linear density**
 - **kilotex**
 - **combed sliver properties**
 - **cohesion**
- **mixing / blending**
- **regain adjusted**
- **oils added**

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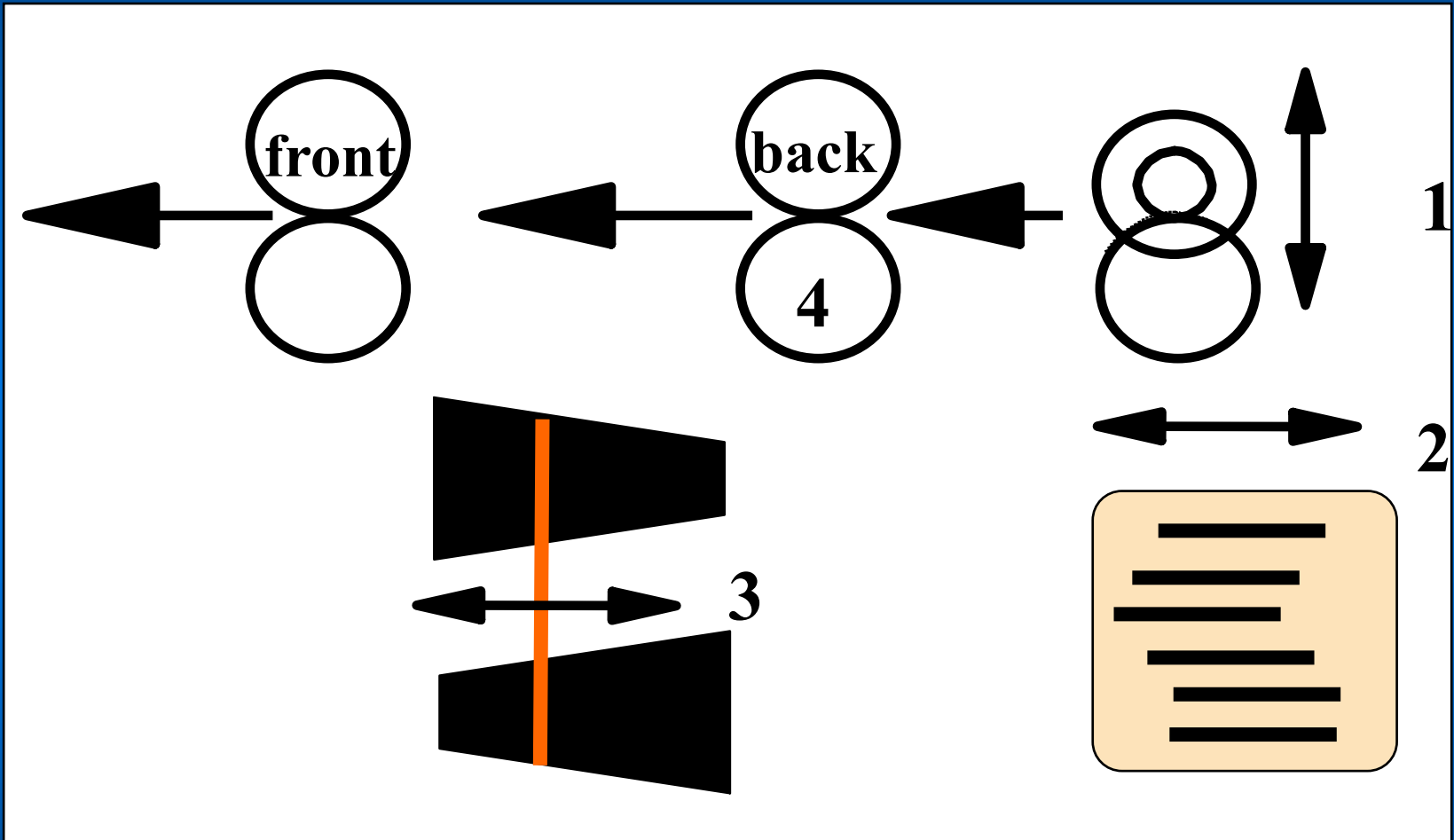
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Autoleveller Gillbox



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Top Packaging

- **Balling and Coiling Units**

- customer specification

- **BOBBINS**
- **BUMPS**
- **HANKS**



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