



## 164 Cotton Spinning II

- 1 draw frame
- 2 gearbox with built-in motor
- 3 sliver cans
- 4 broken thread detector roller
- 5 doubling of the slivers
- 6 stopping handle
- 7 draw frame cover
- 8 indicator lamps (signal lights)
- 9 simple four-roller draw frame [diagram]
- 10 bottom rollers (lower rollers), fluted steel rollers
- 11 top rollers (upper rollers) covered with synthetic rubber
- 12 doubled slivers before drafting
- 13 thin sliver after drafting
- 14 high-draft system (high-draft draw frame) [diagram]
- 15 feeding-in of the sliver
- 16 leather apron (composition apron)
- 17 guide bar
- 18 light top roller (guide roller)
- 19 high-draft speed frame (fly frame, slubbing frame)
- 20 sliver cans
- 21 feeding of the slivers to the drafting rollers
- 22 drafting rollers with top clearers
- 23 roving bobbins
- 24 fly frame operator (operative)
- 25 flyer
- 26 frame end plate
- 27 intermediate yarn-forming frame
- 28 bobbin creel (creel)
- 29 roving emerging from the drafting rollers
- 30 lifter rail (separating rail)
- 31 spindle drive
- 32 stopping handle
- 33 gearbox, with built-on motor
- 34 **ring frame** (ring spinning frame)
- 35 three-phase motor
- 36 motor base plate (bedplate)
- 37 lifting bolt [for motor-removal]
- 38 control gear for spindle speed
- 39 gearbox
- 40 change wheels for varying the spindle speed [to change the yarn count]
- 41 full creel
- 42 shafts and levers for raising and lowering the ring rail
- 43 spindles with separators
- 44 suction box connected to the front roller underclearers
- 45 **standard ring spindle**
- 46 spindle shaft
- 47 roller bearing
- 48 wharve (pulley)
- 49 spindle catch
- 50 spindle rail
- 51 ring and traveller (*Am.* traveler)
- 52 top of the ring tube (of the bobbin)
- 53 yarn (thread)
- 54 ring fitted into the ring rail
- 55 traveller (*Am.* traveler)
- 56 yarn wound onto the bobbin
- 57 **doubling frame**
- 58 creel, with cross-wound cheeses
- 59 delivery rollers
- 60 bobbins of doubled yarn