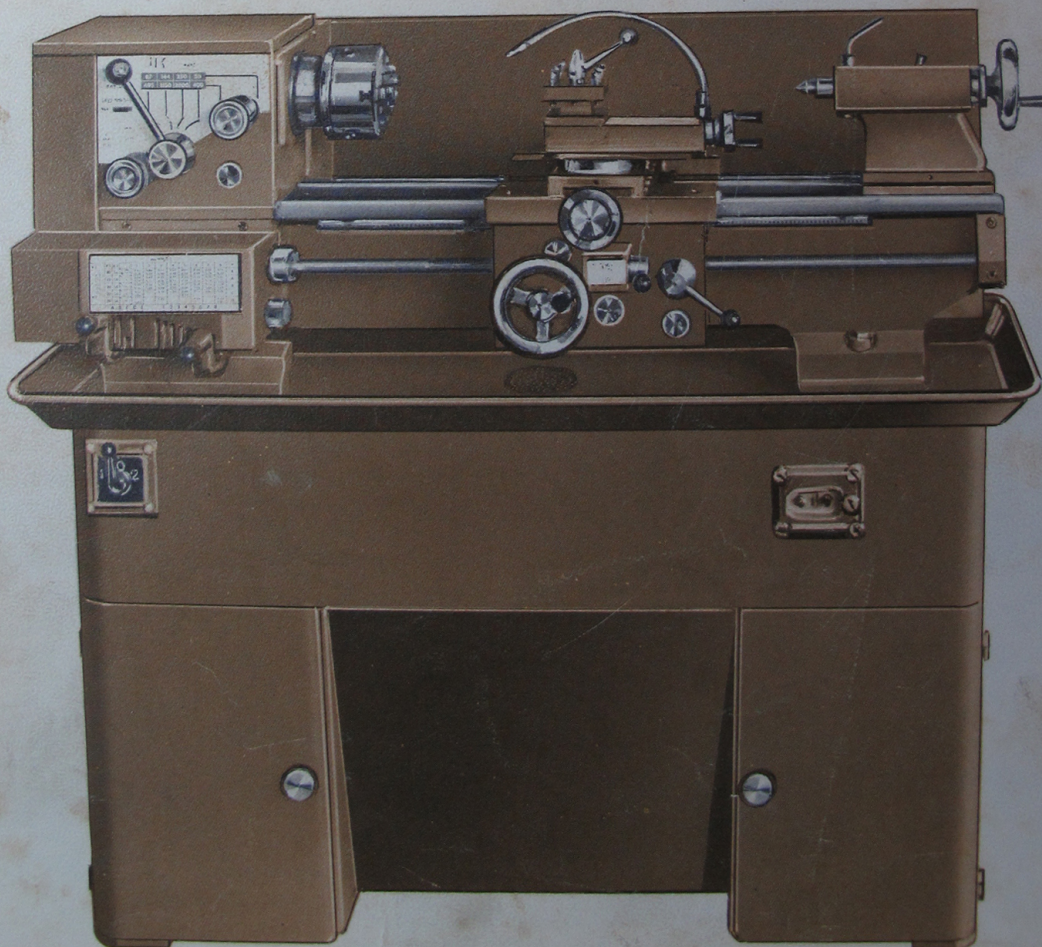


This is their current lathe.



## HIGH SPEED LATHES, type REX

Model VF-140

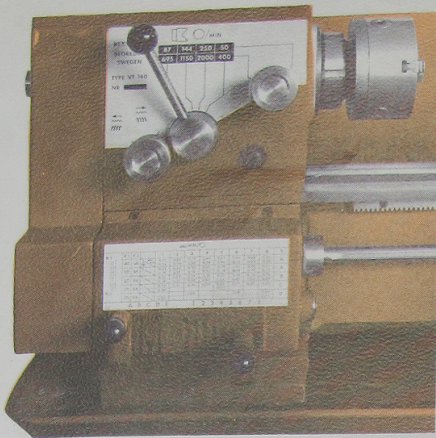


VF-140

[www.pendoleria.com](http://www.pendoleria.com)



## VF-140



### headstock

the standard one-speed motor gives 8 spindle speeds but the machine can also be supplied with a two-speed-motor on request when 16 spindle speeds are obtained. The drive is transmitted to the spindle by a V-rope — see page 4. All gears run in an oil bath.

### quick change gear box

with 49 longitudinal and cross feeds, 49 Whitworth and 31 metric pitches. Module and Dp-pitches are obtained by extra change gears. All shafts are beared in selflubricating bearings. A safety clutch on the leadscrew prevents damages at overload.

### main spindle

of robust design and beared in double taper roller bearings. Spindle-nose of L-type preventing the chuck to run off the spindle when reversing quickly.

### apron

of totally enclosed design with all gears running in an oil bath. Automatic longitudinal and cross feed and separate nut for thread cutting.

### guide-ways

the new VF-140 has very rigid slides — extended cross slide with T-slots can be furnished on request. The compound slide can of course be delivered with T-slot take an American tool post. The bed — is made wider.

### standard equipment:

Complete electric equipment — Complete coolant system — 5" Ø 3-jaw selfcentering chuck with two sets of jaws — 4-way tool holder — Thread indicator — Steady and following rests — Face plate — Driving plate — Two dead centres — Change gears and necessary wrenches.

### additional equipment: for VF-lathes:

Collet chuck with collets — Ball bearing centre — Drill chuck — Longitudinal feed stop with 4 positions — Micrometer stop — Quick change tool holder with side holders— cut-off tool holder, drill bar holder, drill bar and sleeve — Taper turning attachment etc.

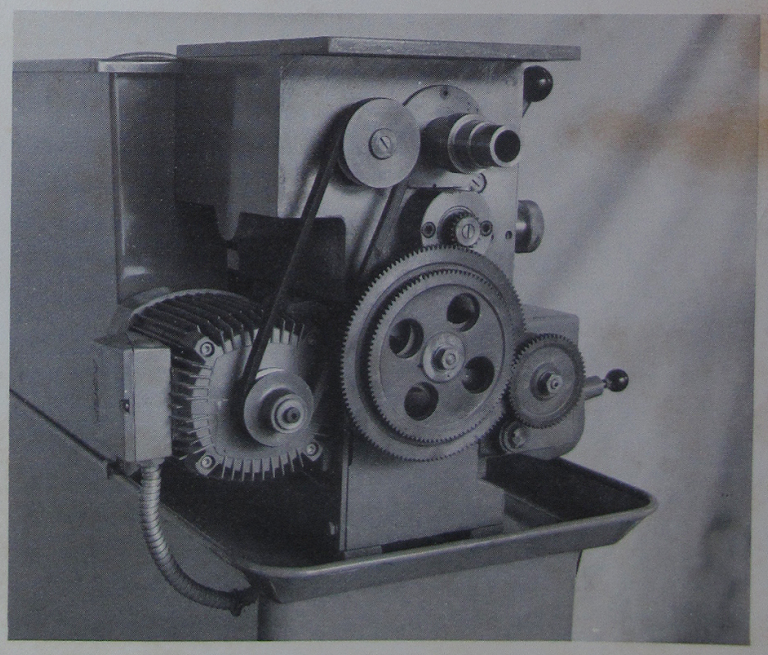
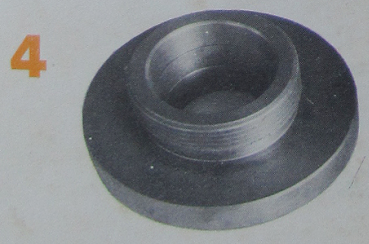
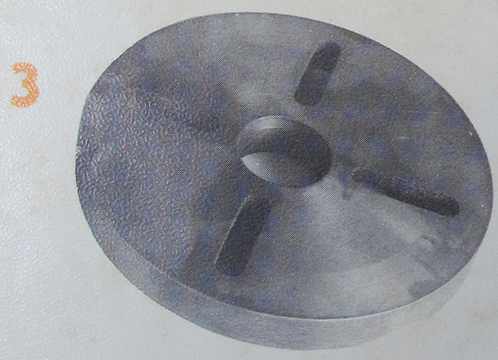
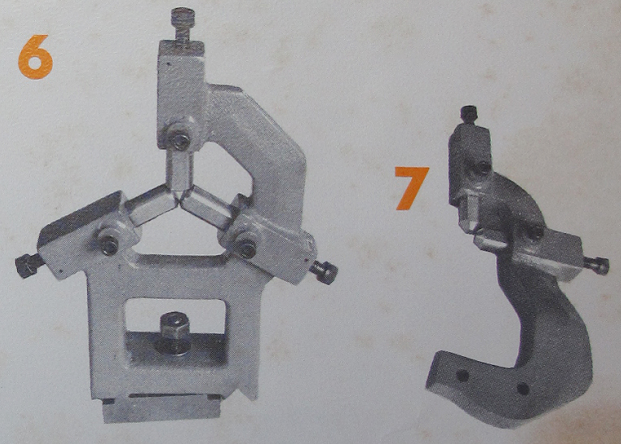
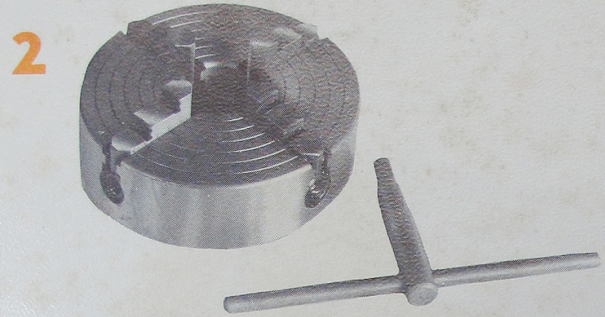
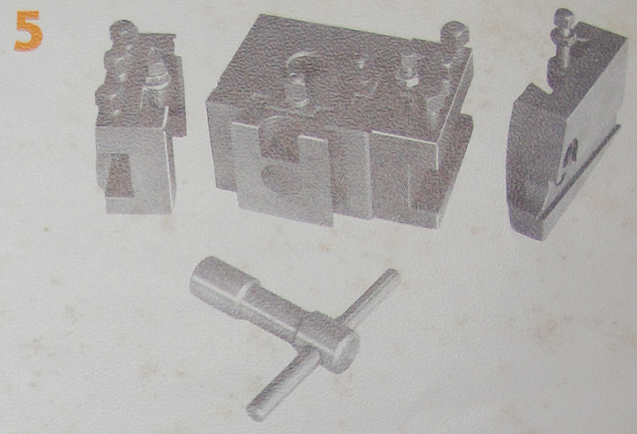
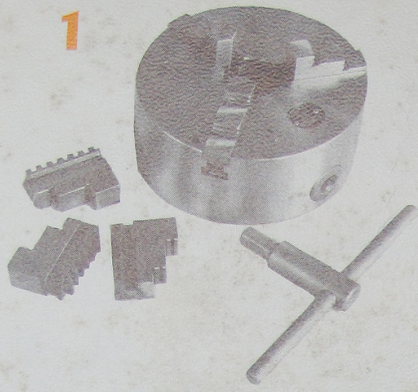
### see page 3:

1. 3-jaw selfcentering chuck with two sets of jaws and key
2. 4-jaw independent chuck with key
3. Face plate
4. Chuck flange
5. Quick charge tool holder with side holder, cut-off tool holder and key
6. Steady rest
7. Following rest



for the tool  
room



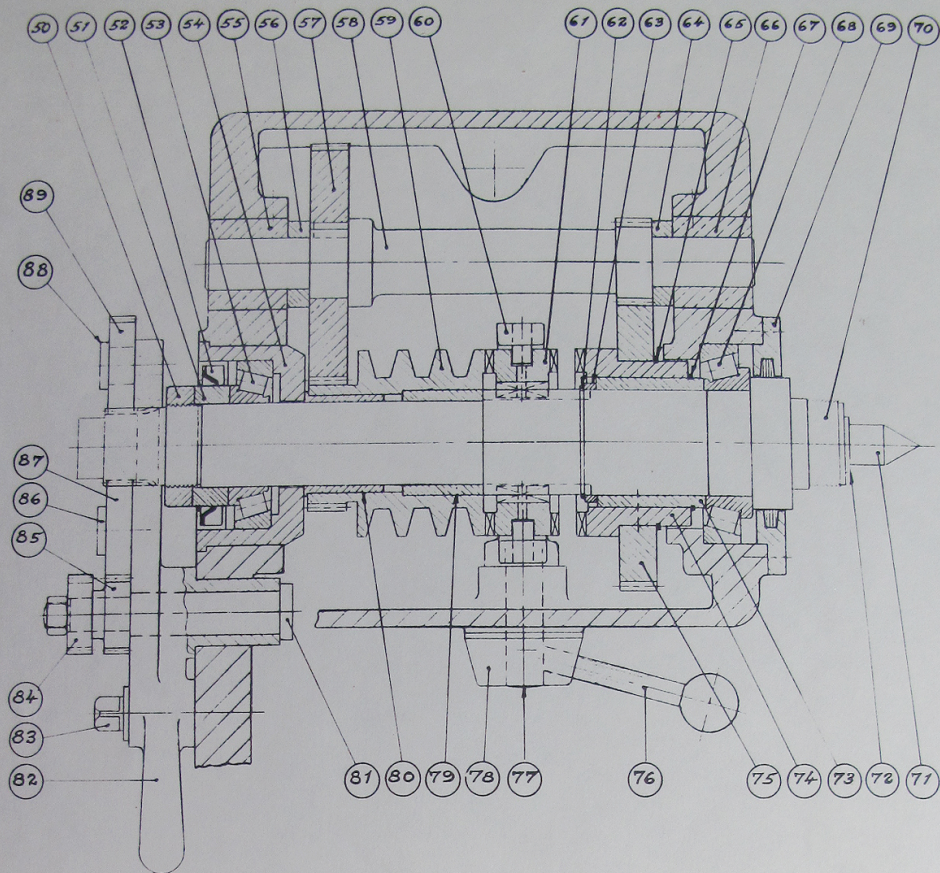


View of VF-140







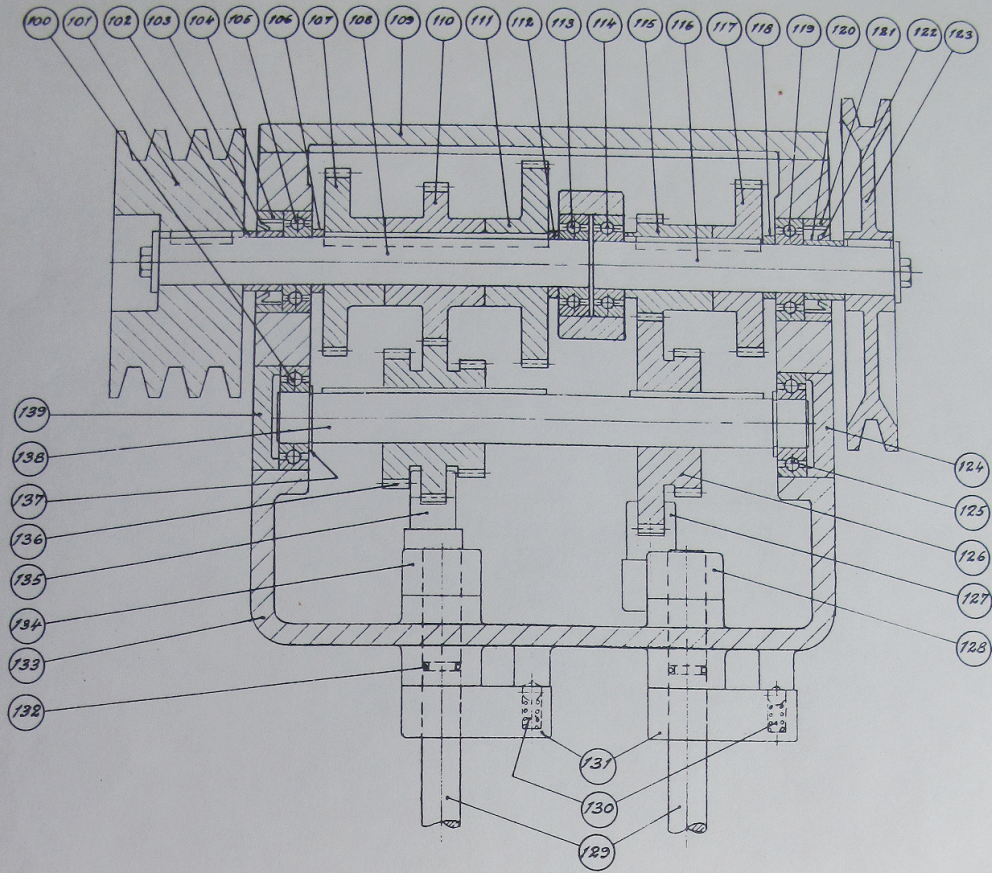


When ordering spares, please state number of spare part and the serial number of the lathe.

I. HEADSTOCK. See drawing above.

- |                            |                       |
|----------------------------|-----------------------|
| 50. Nut                    | 70. Mandrel           |
| 51. Spacer                 | 71. Centre            |
| 52. Seal                   | 72. Centre bush       |
| 53. Conical roller bearing | 73. Bearing bush      |
| 54. Bearing cup            | 74. Clutch            |
| 55. Ferrolite bearing      | 75. Gear wheel        |
| 56. Spacer                 | 76. Lever             |
| 57. Gear wheel             | 77. Shaft             |
| 58. Backgear shaft         | 78. Knob              |
| 59. Pulley                 | 79. Ferrolite bearing |
| 60. Shifting fork          | 80. Ferrolite bearing |
| 61. Clutch                 | 81. Stud              |
| 62. Circlip (?)            | 82. Selector banjo    |
| 63. Spacer                 | 83. Screw             |
| 64. Spacer                 | 84. Gear wheel        |
| 65. Circlip (?)            | 85. Gear wheel        |
| 66. Ferrolite bearing      | 86. Stud              |
| 67. Circlip (?)            | 87. Gear wheel        |
| 68. Conical roller bearing | 88. Stud              |
| 69. Cover                  | 89. Gear wheel        |



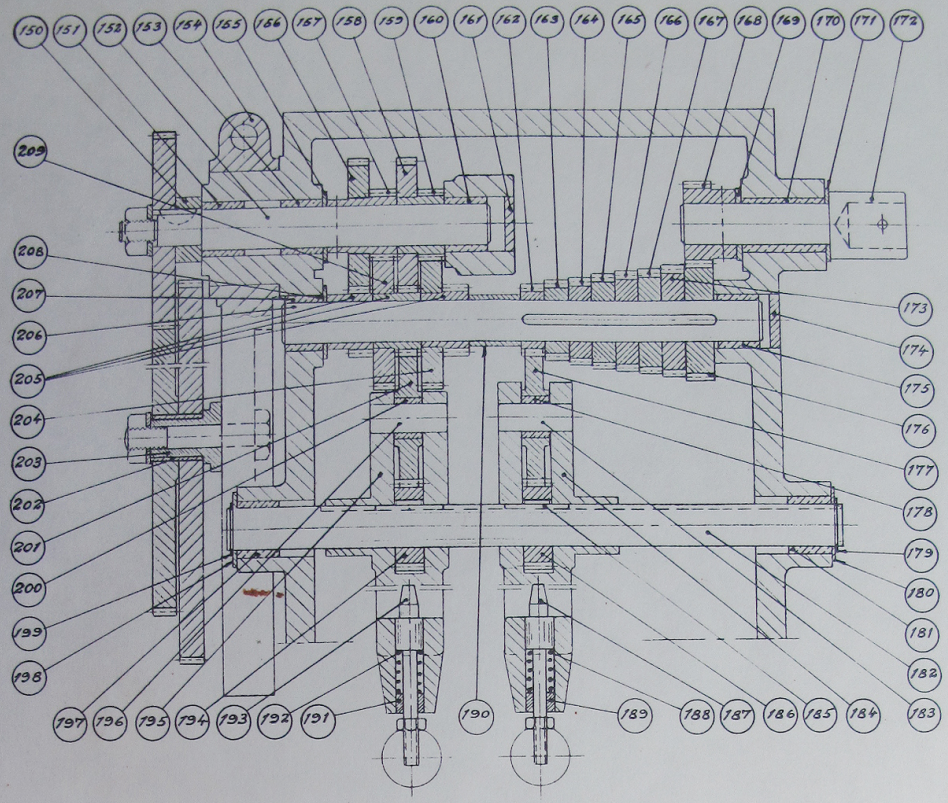


When ordering spares, please state number of spare part and the serial number of the lathe.

K. GEARBOX, mandrel speeds. See drawing above.

- |                       |                       |
|-----------------------|-----------------------|
| 100. Ball bearing     | 120. Spacer           |
| 101. Pulley           | 121. Retaining collar |
| 102. Spacer           | 122. Seal             |
| 103. Seal             | 123. Pulley           |
| 104. Retaining collar | 124. Cover            |
| 105. Ball bearing     | 125. Ball bearing     |
| 106. Spacer           | 126. Gear wheel       |
| 107. Gear wheel       | 127. Shifting fork    |
| 108. Shaft            | 128. Shifting arm     |
| 109. Cover            | 129. Shaft            |
| 110. Gear wheel       | 130. Spring           |
| 111. Gear wheel       | 131. Spring housing   |
| 112. Spacer           | 132. O-ring           |
| 113. Ball bearing     | 133. Gearbox housing  |
| 114. Ball bearing     | 134. Shifting arm     |
| 115. Gear wheel       | 135. Shifting fork    |
| 116. Axle journal     | 136. Gear cluster     |
| 117. Gear wheel       | 137. Circlip          |
| 118. Spacer           | 138. Shaft            |
| 119. Ball bearing     | 139. Cover            |



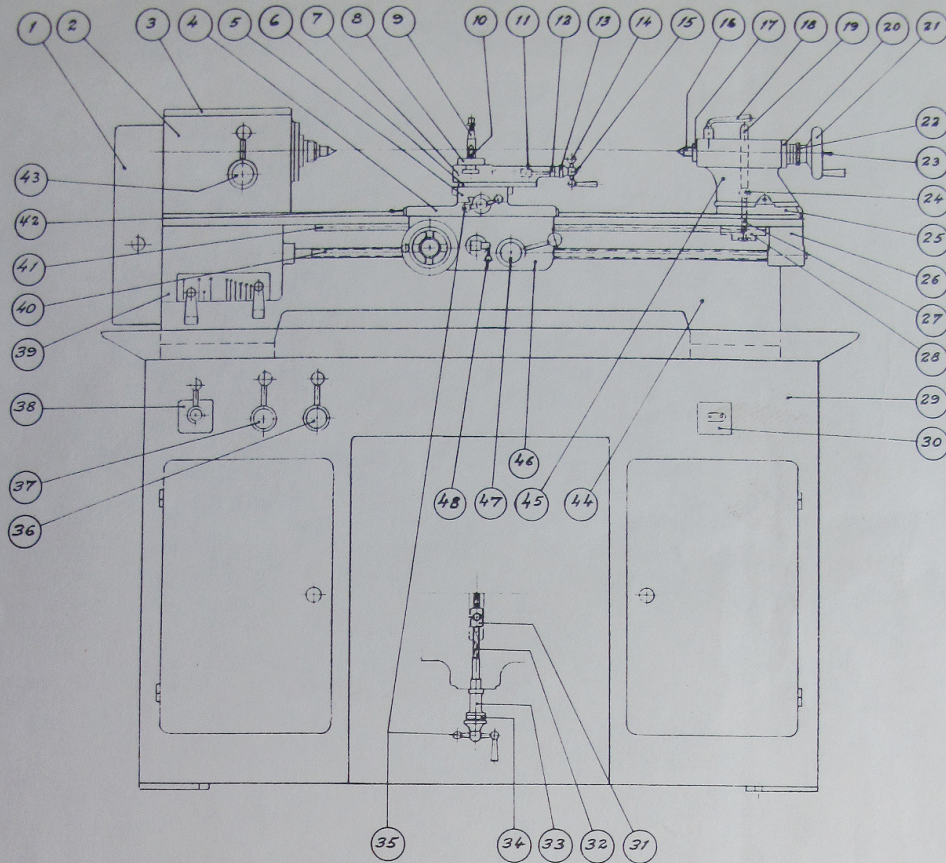


When ordering spares, please state number of spare part and the serial number of the lathe.

L. NORTON GEARBOX. See drawing above.

- |                                    |                                    |
|------------------------------------|------------------------------------|
| 150. Spacer                        | 178. Ferrolit <sup>e</sup> bearing |
| 151. Ferrolite bearing             | 179. Circlip                       |
| 152. Shaft                         | 180. Washer                        |
| 153. Ferrolite bearing             | 181. Ferrolite bearing             |
| 154. Selector banjo                | 182. Shaft                         |
| 155. Washer                        | 183. Axle journal                  |
| 156. Gear wheel                    | 184. Banjo                         |
| 157. Gear wheel                    | 185. Key                           |
| 158. Gear wheel                    | 186. Gear wheel                    |
| 159. Gear wheel                    | 187. Plunger                       |
| 160. Ferrolite bearing             | 188. Spring                        |
| 161. Seal                          | 189. Bush                          |
| 162. Gear wheel                    | 190. Spacer                        |
| 163. Gear wheel                    | 191. Bush                          |
| 164. Gear wheel                    | 192. Spring                        |
| 165. Gear wheel                    | 193. Plunger                       |
| 166. Gear wheel                    | 194. Gear wheel                    |
| 167. Gear wheel                    | 195. Banjo                         |
| 168. Gear wheel                    | 196. Axle journal                  |
| 169. Washer                        | 197. Ferrolite bearing             |
| 170. Ferrolit <sup>e</sup> bearing | 198. Washer                        |
| 171. Washer                        | 199. Circlip                       |
| 172. Shaft journal                 | 200. Ferrolite bearing             |
| 173. Gear wheel                    | 201. Gear wheel                    |
| 174. Seal                          | 202. Bush                          |
| 175. Ferrolite bearing             | 203. Casing                        |
| 176. Gear wheel                    | 204. Gear wheel                    |
| 177. Gear wheel                    |                                    |





When ordering spares, please state number of spare part and the serial number of the lathe.

H. MAIN PARTS. See drawing above.

- |                            |                                   |
|----------------------------|-----------------------------------|
| 1. Cover                   | 25. Bottom part                   |
| 2. Headstock               | 26. Back bearing                  |
| 3. Cover                   | 27. Set bolt                      |
| 4. <del>Slide</del> Saddle | 28. Clamp                         |
| 5. Cross slide             | 29. Cupboard                      |
| 6. Intermediate slide      | 30. Motor cover                   |
| 7. Top slide               | 31. Cross slide nut               |
| 8. Washer                  | 32. Cross slide feedscrew         |
| 9. Toolpost                | 33. Bearing bush                  |
| 10. Cradle                 | 34. Micrometer collar             |
| 11. Nut                    | 35. Ball handle                   |
| 12. Bearing bush           | 36. Lever, speed selector         |
| 13. Micrometer collar      | 37. Lever, speed selector         |
| 14. Ball handle            | 38. Forward/reverse lever         |
| 15. Top slide              | 39. Norton gearbox                |
| 16. Centre                 | 40. Feedscrew                     |
| 17. Tailstock barrel       | 41. Rack                          |
| 18. Locking lever          | 42. Cover                         |
| 19. Lever                  | 43. Lever, speed selector         |
| 20. Backplate              | 44. Bed                           |
| 21. Dial, barrel feed      | 45. Tailstock                     |
| 22. Micrometer Collar      | 46. Apron                         |
| 23. Barrel screw           | 47. Lever, screwcutting/auto feed |
| 24. Excenter               | 48. Lever, crossfeed              |