Contents

1. Instruments in Ear 1

General Ear Instruments 1

1. Jobson-Horne ear probe with ring curette 1
2. Ear vectis with cerumen spud 2
3. Hartmann aural forceps 3
4. Troeltsch aural forceps (Wilde) 3
5. Tilley aural forceps 4
6. Lucae curved aural forceps 4
7. Tuning fork 5
8. Siegel pneumatic speculum with bulb 7
9. Eustachian tube catheter 7
10. Politzer apparatus 10
11. Otoscope 11
12. Pneumatic attachment for otoscope 12
13. Adult rigid otoendoscope 12
14. Simpson aural syringe 12
15. Barany noise box 14
16. Aural speculum 15
17. Frenzel nystagmus spectacles with inbuilt battery handle 17

Hearing Devices 18

18. Body level hearing aid 18
19. Behind the ear hearing aid 18
20. In the ear hearing aid 19
21. Receiver in the canal (RIC) hearing aid 20

22. In the canal hearing aid 20
23. Completely in the canal (CIC) hearing aid 21
24. Contralateral routing of signals (CROS) hearing aid 21
25. Bone anchored hearing aid (BAHA) 22
26. Middle ear implant (Vibrant sound bridge, Med-El, Austria) 22
27. Cochlear implant 23

Myringotomy **26**

28. Politzer myringotome 26
29. Lucae micro ear knife 26
30. Grommet 27
31. Grommet introducer 31

Mastoidectomy and Tympanoplasty **32**

32. Hanging motor drill 32
33. Handpiece for hanging motor drill 32
34. Micromotor unit for drilling 33
35. Micromotor drill handpiece 34
36. Contrangle handpiece 34
37. Verhoeven microsuction tip 35
38. Ear microsuction tip adapter 35
39. Farabeuf mastoid periosteal elevator 36
40. Mollison self-retaining mastoid retractor (4×4 prongs) 37
41. Plester self-retaining mastoid retractor 1 (3×3 prongs) 37
42. Plester mastoid retractor 2 (2×2 prongs) 38
43. Weitlaner (3×4 prongs) mastoid retractor 1 39
44. Weitlaner mastoid retractor 2 (2×3 prongs) 39
45. Jansen mastoid retractor (3×3 prongs) 40
46. Wullstein self-retaining mastoid retractor (3×3 prongs) 40

47. Mahadevaiah mastoid retractor 41
48. Lempert endaural mastoid retractor with third blade 41
49. Perkin self-retaining mastoid retractor (1×3 prongs) 42
50. Lempert endaural speculum 42
51. Combined suction irrigation cannula 42
52. Lempert mastoid suction tube 44
53. Cutting bur 44
54. Diamond bur 45
55. Jenkin mastoid gouge 45
56. Housegraft press forceps 46
57. Lempert mastoid curette 47
58. MacEwen cell seeker and curette 47
59. Mastoid microgouge 48
60. Micro earball probe (Shea) 48
61. Micro ear curved pick (Cawthorne) 49
62. Paperella Duckbill micro ear elevator 49
63. Micro ear right-angled pick (Cawthorne) 50
64. Micro ear sickle knife (Shea) 51
65. Micro ear straight pick (Cawthorne) 51
66. Plester flag knife 51
67. Rosen micro ear round knife 52
68. House ear microcurette 53
69. Alligator forceps 54
70. Wullstein-cupped forceps 54
71. Wullstein-toothed alligator forceps 55
72. Straight (A) and right-angled (B) micro ear scissors 55
73. Derlecki ossicle holding forceps 57
74. House Dieter malleus head nipper 57
75. Dewecker micro dissecting spring scissors curved 57

76. Rosen-curved microcurette 58
77. Zollner micro ear instrument set 59
78. Schuknecht roller knife 59
79. Trautmann micro ear knife 60
80. Glegg aural snare 61
81. Staecke guide and protector 61
82. Fisch glomus retractor 62

Ossicular Implants **63**

83. Total ossicular replacement prosthesis (TORP) 63
84. Partial ossicular replacement prosthesis (PORP) 63
85. Models of ossicular replacement prosthesis—titanium 64

Stapes Instruments **65**

86. Fisch titanium stapes piston 65
87. Causse teflon stapes piston 65
88. McGee wire stapes prosthesis 65
89. Piston holding forceps 65
90. Schuknecht wire bending die 66
91. Shea stapedectomy piston measuring rod (Three markers) 67
92. Stapes piston measuring jig 68
93. House stapedectomy piston measuring rod 68
94. Stapedotomy perforator bur straight 69
95. Larkin hand perforator bur 69
96. McGee stapes piston crimper 70
97. Fisch crurotomy scissors 70
98. Crurotomy knife 70

Instrument Sets for Ear Surgeries **72**

1.1 Myringotomy set 72
1.2 Mastoidectomy set 72
1.3 Tympanoplasty/Ossiculoplasty set 73

1.4 Stapedectomy set 74
1.5 Facial nerve decompression set 75

2. Instruments in Nose

General Nose Instruments **77**

1. Thudicum nasal speculum 77
2. St Clair Thompson nasal speculum 78
3. Killian short and long bladed nasal speculum 78
4. Pilcher nasal speculum 79
5. St Clair Thompson posterior rhinoscopy mirror 79
6. Nasal foreign body hook 81

Septal Surgery Instruments **82**

7. Freer double-ended mucoperichondrial elevator 82
8. Septal aspirating elevator (Suction elevator) 82
9. Killian mucoperichondrial elevators (Left and right) 83
10. Ballenger swivel knife 83
11. Cottle nasal elevator 84
12. Howarth nasal septal elevator 85
13. Joseph nasal mucoperichondrial elevator 85
14. Killian bayonet shaped nasal gouge 86
15. Tilley nasal gouge 86
16. Heath mallet 87
17. Internal nasal septal splint 87
18. Septal internal nasal splint with airway 87
19. Septal buttons with connector for septal perforation 89

Endoscopic Sinus Surgery Instruments **90**

20. Nasal rigid endoscopes 90
21. Sinus trocar and cannula for endoscopy 91

22. Endoscopic nasal suction cautery tip 91
23. Killian curved nasal suction tip for FESS 92
24. Flexible nasopharyngoscope 92
25. Microdebrider (Hummer) console 93
26. Microdebrider handpiece 93
27. Microdebrider detachable blade and its tip 93
28. Nasal endoscopic sickle knife 94
29. Sinus ostium ballpoint probe 1 95
30. Sinus ostium ballpoint probe 2 96
31. Blakesley Weil straight cupped forceps 96
32. Blakesley through cut forceps 97
33. Blakesley Weil 45 degree upturned forceps 97
34. Blakesley Weil 90 degree upturned forceps 98
35. Pediatric Blakesley Weil 45 degrees upturned forceps 99
36. Flexible cupped forceps 99
37. Nasal endoscopic scissors 99
38. Ostrum backbiting forceps (upward) 100
39. Antrum punch rotating backbiter 101
40. Heuwieser antrum grasping forceps 102
41. Stammberger sidebiting antrum punch 102
42. Gruenwald clean bite upturned through cut forceps 103
43. Tilley Henckel forceps 104
44. William Watson nasal polyps forceps 104
45. Gruenwald through cutting nasal turbinate forceps 104
46. Stammberger mushroom punch 106
47. Antrum curved ring curette 107
48. Antral forward cutting straight ring curette 107
49. Antrum straight cup curette 108
50. Frontal sinus curette (J curette) 109
51. Hartmann through cutting nasal forceps 109

52. Hildyard postnasal forceps 109
53. Biopsy and grasping forceps for FESS 111
54. Takahashi nasal surgery forceps 111
55. Yasargil micro scissors 112
56. Kerrison rongeur 112
57. Kerrison-Costen rongeur 113
58. Citelli punch forceps 114
59. Hajek-Kofler sphenoid punch 114
60. Kuhn-Bolger frontal recess giraffe forceps 114
61. Sinus balloon catheter for balloon sinuplasty 116
62. Sinus balloon inflation device for balloon sinuplasty 116
63. Sinus guide catheter for balloon sinuplasty 117
64. Flexible sinus guidewire for balloon sinuplasty 117
65. Lacrimal punctum dilator 117
66. Bowman lacrimal probe 118
67. Lacrimal syringing needle 118

Nonendoscopic Nose Surgeries 120

68. Heymann turbinectomy scissors 120
69. Tilley antral bur 120
70. Double-ended antral scoop 120
71. Higginson syringe 121
72. Kerrison double action bone nibbling forceps 122
73. Nasal probe for submucous diathermy 123
74. Jansen bone nibbler 123
75. Tilley antral harpoon 124
76. Walsham forceps 124
77. Optic nerve guide for evisceration 125
78. Eye protector spoon 125
79. Knight nasal polyps forceps 126
80. Tilley Lichtwitz trocar and cannula 127
81. Myle nasoantral perforator 129

82. Irwin Moore nasal forceps 129
83. Epistaxis catheter 129
84. Krause nasal snare 131
85. Hajek cheek retractor 131
86. Jansen Middleton septum forceps 132
87. Asch septal forceps 133
88. Merocel nasal dressing 133

Rhinoplasty **134**

89. Fomon alar retractor for rhinoplasty 134
90. Cottle alar retractor and protector 134
91. Kilner alar retractor for rhinoplasty 1 135
92. Kilner retractor for rhinoplasty 2 135
93. Mcindoe nasal fine wound retractor 135
94. Cottle four pronged alar retractor 136
95. Aufricht nasal retractor for rhinoplasty 136
96. Cottle columellar clamp 137
97. Walter rhinoplasty scissors 1 138
98. Walter rhinoplasty scissors 2 138
99. Aufricht coarse rasp for rhinoplasty 139
100. Joseph fine rasp for rhinoplasty 140
101. Masing chisel for osteotomy 140
102. Nasal chisel 141
103. Straight chisels 141
104. Freer chisel 141
105. Jansen chisel 142
106. Osteotome 142
107. Castroviejo rhinoplasty measuring caliper 143
108. Curved raspatory for rhinoplasty 143
109. William Watson curved coarse rasp 144
110. Joseph nasal saw 144
111. Cartilage crusher 144
112. Joseph curved rhinoplasty knife 146

113. Joseph double edged nasal knife 146
114. External nasal splint 146

Instrument Sets for Nose Surgeries

2.1. Septal surgery set 148
2.2. Intranasal antrostomy set 148
2.3. Antral wash set 149
2.4. Caldwell-Luc set 149
2.5. Turbinectomy set 150
2.6. Endonasal dacryocystorhinostomy set 150
2.7. Nasal polypectomy set 151
2.8. Lateral rhinotomy set 151
2.9. Endoscopic sinus surgery basic set 152
2.10. Rhinoplasty set 153
2.11. Maxillectomy set 154
2.12. Fracture nasal bone reduction set 155

3. Instruments in Throat 156

Adenotonsillectomy Instruments 156

1. Boyle Davis mouth gag with tongue blade 156
2. Doughty tongue blade 156
3. Russel Davis tongue blade 158
4. Magauren plate 158
5. Draffin bipods 158
6. St Clair Thompson adenoid curette with cage 159
7. Beckmann adenoid curette without cage 160
8. Adenoid through cutting forceps 160
9. Laforce adenotome 161
10. St Clair Thompson adenoid tag forceps 161
11. Dennis Browne tonsil holding forceps 161
12. Muck forceps 162
13. Colver tonsillar vulsellum forceps 163

14. Gwynne Evan tonsillar dissector 163
15. Mollison tonsillar dissector and pillar retractor 164
16. Eve tonsillar snare 165
17. Birkett straight first artery forceps 165
18. Birkett gently curved first artery forceps 166
19. Negus second artery forceps 166
20. Wilson artery forceps 167
21. Negus knot tier and ligature pusher 167
22. Waugh tenaculum forceps 168
23. Yorke hemostatic tonsillar clamp 168
24. Yankauer suction tube 169
25. Irwin Moore tonsillar pillar suturing needle 169
26. Ballenger guillotine 170
27. Jenning mouth gag 171
28. Kilner mouth gag 171

Miscellaneous Instruments 173

29. Lac tongue depressor 173
30. St Clair Thompson quinsy forceps 173
31. Indirect laryngoscopy mirror 174
32. Collin tongue holding forceps 176
33. Guiding probe 177
34. Yankauer nasopharyngoscope 177
35. Ferguson Ackland mouth gag 178
36. Heister mouth gag 178
37. Dingmann mouth gag 178
38. Doyen mouth gag 179
39. Wire cutting scissors 180
40. Cleft palate elevator 180

Instrument Sets for Throat Surgeries 182

3.1 Adenoidectomy set 182
3.2 Tonsillectomy set 182

4. Instruments in Larynx, Trachea and Esophagus

Bronchoscopy **184**

1. Rigid bronchoscope 184
2. Bronchoscope forceps 187
3. A. Suction tip for bronchoscope 188
   B. Suction trap for bronchoscope 189
4. Hopkins optical telescope for bronchoscope forceps 189
5. Injection cannula for bronchoscope jet ventilation 189
6. Hopkins optical forceps for bronchoscope 189
7. Flexible fiberoptic bronchoscope 191
8. Sponge holder with spring handle for tracheobronchial smears 192

Esophagoscopy **193**

9. Adult rigid esophagoscope 193
10. Rigid esophagoscope forceps 194
11. Fiberoptic light carrier for esophagoscope 195
12. Hypopharyngoscope (upper end esophagoscope, esophageal speculum) 195
13. Esophageal denture shearing forceps 196
14. Esophageal gum elastic bougie 196
15. Montgomery esophageal tube 197

Larynx **199**

16. Direct laryngoscope 199
17. Direct laryngoscope with detachable blade 200
18. Holinger anterior commissure laryngoscope 200
19. Fiberoptic light carrier for direct laryngoscope 201
20. Macintosh laryngoscope 201
21. Rigid telelaryngopharyngoscope 203

22. Mackenzie laryngeal forceps 203
23. Halogen portable light source 204
24. Fiberoptic flexible light cable 204
25. Rotatable laryngeal biopsy forceps with cupped jaws 205
26. Magill forceps 206
27. Montgomery laryngeal keel 206
28. Montgomery laryngeal stent 207
29. Aboulker laryngeal stent 208

Microlaryngoscopy **210**

30. Kleinsasser suspension laryngoscope for microlaryngeal surgery (MLS) 210
31. Kleinsasser anterior commissure operating laryngoscope 211
32. Distending operating laryngoscope 212
33. Riecker chest piece and Jack for MLS 212
34. Detachable microlaryngeal instruments 212
35. Laryngeal straight cupped forceps for MLS 214
36. Laryngeal scissors for MLS 214
37. Lindholm vocal cord and false cord retractor 215
38. Laryngeal needle for injection 216
39. A. Bruning laryngeal syringe 216
    B. High pressure handle 216

Thyroplasty **218**

40. Laryngeal calipers for thyroplasty 218
41. Male laryngeal window marker 218
42. Female laryngeal window marker 218
43. Round mucoperichondrial elevator for thyroplasty 220
44. Thyroplasty mucoperichondrial elevator sharp 220

45. Silicone block for thyroplasty 221
46. Montgomery thyroplasty implant 221

Tracheostomy 223

47. Blunt tracheal hook (Isthmus single hook) 223
48. Down cricoid hook double 223
49. Trousseau tracheal dilator 223
50. Laborde tracheal dilator 223
51. Fuller bivalved tracheostomy tube 225
52. Jackson tracheostomy tube 226
53. Non-metallic: Portex tracheostomy tube 227
54. Montgomery tracheostomy speaking valve 229
55. Singer laryngectomy tube 230
56. Montgomery 'T' tube 231

Voice Rehabilitation 233

57. Trocar and cannula for secondary tracheoesophageal puncture (TEP) 233
58. Pharynx protector for secondary tracheoesophageal puncture 233
59. Provox voice prosthesis 234
60. Provox prosthesis inserter 235
61. Bloom singer prosthesis 235
62. Groningen prosthesis 235

Instrument Sets in Larynx, Trachea and Esophagus 237

4.1 Rigid bronchoscopy set 237
4.2 Rigid esophagoscopy/hypopharyngoscopy set 237
4.3 Direct laryngoscopy set 237
4.4 Microlaryngeal surgery set 238
4.5 Medialization thyroplasty set 238
4.6 Tracheostomy set 239

5. General Instruments 240

Head and Neck Instruments 240

1. Bulldog clamp 240
2. Allis forceps 240
3. Babcock forceps 241
4. Kocher artery forceps 242
5. Lane tissue forceps 242
6. Mayo scissors 242
7. Metzenbaum dissection scissors 243
8. Gille skin hook 243
9. Mixter forceps 244
10. Gigli saw wire with handle 245
11. Joll thyroid-retractor 246
12. Kocher thyroid dissector 246
13. Surgical stapler 246

Miscellaneous General Instruments 248

14. Operating microscope 248
15. Head mirror 250
16. Clar headlight 251
17. Bull lamp 251
18. Atomizer (Ohm) 252
19. Fiberoptic headlight 253
20. Luc forceps 254
21. Non-toothed forceps 254
22. Adson toothed forceps 255
23. Bard Parker handle 255
24. Langenbeck retractor 1 and 2 256
25. Sharp short gently curved dissecting scissors 256
26. Heath suture cutting scissors 257
27. Suction tip 258
28. Needle holder 258
29. No 10 blade 259

30. No 11 blade 259
31. No 15 blade 260
32. No 12 blade 260
33. Humby knife (skin graft blade holder with handle) 260
34. Down blade for skin grafting 261
35. Halsted mosquito forceps 262
36. Lister sinus forceps 262
37. Hemostatic artery forceps 262
38. Mayo towel clip 264
39. Rampley sponge holding forceps 264
40. Cheatle forceps 265

General Instrument Sets 266

5.1. Laryngectomy/Neck dissection set 266
5.2. Other head and neck surgeries set 266

Appendix 269

Instruments with Common Scientist Names in Ear 269

1. House 269
2. Fisch 269
3. Shea 269
4. Lempert 269
5. Cawthorne 270
6. Plester 270
7. Rosen 270
8. Schuknecht 270
9. McGee 270
10. Wullstein 270
11. Lucae 271
12. Weitlaner 271
13. Politzer 271
14. Hartmann 271

15. Zollner (Thumb instruments set) 271
16. Mollison 271

Instruments with Common Scientist Names in Nose 272

17. Killian 272
18. Tilley 272
19. Freer 272
20. Joseph 272
21. Blakesley Weil 272
22. St Clair Thompson 273
23. Cottle 273
24. Kerrison 273
25. William Watson 273
26. Stammberger 273
27. Jansen 273
28. Gruenwald 274
29. Hajek 274
30. Kilner 274

Instruments with Common Scientist Names in Throat 274

31. Negus 274
32. Yankauer 274
33. Ballenger 274

Instruments with Common Scientist Names in Larynx, Bronchus and Esophagus 275

34. Montgomery 275
35. Kleinsasser (Microlaryngeal surgery set) 275

General Instruments with Common Scientist Names 275

36. Heath 275
37. Down 275

Index 277