Graver . 36 Graver with Side Angle . 36
Shaped Graver . 37 Shaped Graver with One-Sided Cutaway . 3 Sening Stones and Plates . 38 Sas Stone (Oil Stone) . 39 Fundum . 39 Stick . 39 Sit . 39 Ond Block . 40 Hone . 40
atic Graver . 41
Tip and Burnisher . 42
r Tip . 42 her . 43 g Punches, Reciprocating Hammer,
and Bezel Pusher . 44 g Setting Punches . 44 Points for the Hammer Handpiece . 44
Pusher . 45 ed Bezel Pusher . 45 ezel Pusher . 45 ound Bezel Pusher . 45
; and Millegrain Tools . 46 ng Tool . 46 train Tool . 47
48 ess Steel . 48 n Steel . 48 Steel . 48
Speed Steel (HSS) . 49 le Steel . 49 ning and Tempering of Steel . 50 ning . 50 ering . 50
ering of Gravers . 519 Iling of Steel . 51
notor and Flexible Shaft . 52 le Shafts . 52 -motors . 53 ner Handpieces (Reciprocating Hammers) . 53 lifts . 53 lig Drills . 54 r Punch . 54 n Drill Bit . 55 . 55 n Steel Ball Bur . 56 de Ball Bur . 56 der Bur . 57 urs . 57 uing Wheels and Rubber Wheels . 57
r d d



Dowel with Chaser's Cement . 58 Creating Settings using CAD/CAM . 85 Introduction . 85 Mounting and Removing a Setting . 59 Settings . 85 Chaser's Cement . 59 Special Features of CAS/CAM Settings . 86 Mounting a Setting . 60 Removing a Setting . 60 Special Features . 86 Dissolving Cement . 61 Decorative Elements and Patterns . 86 Ring Clamps . 62 Openings . 87 Interchangeable Work-Holding System . 63 Using the Actual Gemstone as Model . 87 Filling Rings with Stone Setter's Cement . 63 Building the Setting . 87 Constructing the Setting in Wax . 88 Stone Setting Techniques Flush Mounting Gemstones . 89 Introduction . 89 **Bezel Settings** . 64 Hardness of Diamonds (and Brilliant-Cut Diamonds) . 89 introduction . 64 Hardness of Colored Gemstones . 89 Wall Thickness of Bezel Settings . 64 Laying Out the Stone . 90 Stone Seat . 65 Cutting the Stone Seat . 90 Metal Gauge Required to Flush Mount Gemstones . 91 **Tapered Bezel Settings** . 66 **Stonesetting Techniques for** Bezel Settings for Round and Oval Stones . 66 Flush Mounting Gemstones . 92 Laying Out the Stone Size . 66 Beveling the Setting's Inner Edge . 66 Flush Mounting with a Punch Preparing the Seat . 67 or the Hammer Handpiece . 92 Height of the Seat . 67 Closing the Setting . 93 Cutting a Seat with a Graver . 67 Burnishing a Flush-Mounted Setting . 94 Cutting a Seat with a Cylinder Bur . 67 Cutting the Seat . 94 Fitting the Seat to the Bottom of the Stone . 67 Burnishing . 94 Aligning the Facets . 69 Cutting a Seat with a Ball Bur . 69 **Undercutting** . 96 Closing the Setting . 70 Flush Mounting with Raised Stitches . 97 Dressing of the Bevel . 70 Cutting the Seat . 97 Bright-Cutting . 71 Bright-Cutting the Edge . 98 Metal Covering the Stone . 71 Placement of Gemstones . 98 Bezel Settings for Square Stones . 72 Raising Stitches . 98 Softening the Edges of Gemstones . 72 Wide Bands and Signet Rings . 99 Laying Out the Size of a Stone . 72 Wide Bands . 99 Beveling the Inside of the Setting . 72 Signet Rings . 100 Cutting the Seat with Gravers . 73 Cutting the Seat with Burs . 73 Channel Settings . 101 Seat for Square Bezel Settings and Its Height . 74 Introduction . 101 Closing the Setting . 74 Cutting the Stone Seat as in a Bezel Setting . 102 Dressing the Bevel . 74 Undercutting One Side of the Setting . 103 Bright-cutting . 75 Undercutting Both Sides of the Setting . 104 Open Bezel Settings . 75 Round Gemstones Set in Channel Settings . 105 Settings with Mirrored Edges . 76 Invisible Setting . 106 Mirror-Edged Settingsfor a Gemstone with a Flat Table . 77 Spectacle Setting . 78 Tension Rings . 107 Covered Bezel Settings . 79 Tension Ring Look . 108 Covered Bezel Settings in the Past . 80 Two Options to Obtain a Tension Ring Look . 109 Box Settings . 80 Box Settings for Gemstones with Pavilions . 81 Prong Settings . 110 Notched Box Setting . 81 Introduction . 110 Box Settings for Square Gemstones . 82 Prong Settings . 110 Box Setting with Scalloped Edge . 82 Height of the Stone in a Prong Setting . 112 Settings Made from Wax . 82 Cutting the Seat in a Prong Setting . 113 Casting Settings with Stones in Place . 84 Closing a Prong Setting . 114 HaloSetting . 84 Closing Prongs to a Tight Fit . 115

Settings with Heavy Prongs . 115	Pemoving Stones 151
Prong Settings for Square Stones . 116	Removing Stones . 151
Prongs Fashioned from Metal Sheet . 117	Bezel Settings . 151
Florigs rasmoned from Metal Sheet . 117	Prong Settings . 152
Graver Settings . 118 Introduction . 118	Graver Settings . 152
Metal Gauge for Graver Settings . 120	
White Gold or Platinum Underlay . 120	Gemstones
Traditional Graver Setting Techniques . 120	
Drilling the Back of Graver Settings . 121	Setting Gemstones . 153
Decorative Beads . 121	Damage to gemstones caused
Cutting À-Jour . 122	when closing the setting . 153
Precutting a Graver Setting for an Individual	by files, gravers and emery paper . 154
Gemstone (Encrustation) . 122	by temperature fluctuations 155
Cutting Seats in Graver Settings . 124	by solvents . 155
Laying Out the Outline around the Drilled Hole . 124	by polishing jewelry . 156
Raising Beads with an Anglette Graver . 125	Gemstones in electroplating . 156
Cutting the Surfaces Surrounding the Bead . 125	Treated Gemstones . 157
Placing the Gemstone . 125	Stabilized gemstones . 158
Pushing the Beads over the Gemstone . 125	Impregnating gemstones . 158
Shaping the Beads 126	
Single Stone Graver Setting with Three Beaded Corners . 127	Hardness of Gemstones . 159
Graver Settings Covering a Surface . 128	Gemstone Cutting . 160
Wedge-Shaped Beads . 129	Imitating stone bases . 161
Linear Graver Settings . 130	Colored underlay for gemstones . 162
Width of Linear Graver Settings . 130	Cut Symmetry . 163
Distance between Stones in a Linear Graver Setting . 132	Stone Cuts . 163
Ornamental Ribbon (Linear Graver Setting) . 132	•
Square Linear Graver Setting . 133	Stone Cuts Overview . 163
Square Linear Graver Setting . 133 Linear Graver Setting Made from Triangular Settings . 133	Grading and Evaluation of Diamonds . 167
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133	
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135	Grading and Evaluation of Diamonds . 167
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 136 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 136 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145 Graver Settings in Domed Surfaces . 146	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179 Synthetic Gemstones . 180
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145 Graver Settings in Domed Surfaces . 146 raver Settings in Domed Surfaces . 146	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179 Synthetic Gemstones . 180 Gemstone Cut Quality . 180
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145 Graver Settings in Domed Surfaces . 146 Convex Surfaces . 146	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179 Synthetic Gemstones . 180
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145 Graver Settings in Domed Surfaces . 146 raver Settings in Domed Surfaces . 146	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179 Synthetic Gemstones . 180 Gemstone Cut Quality . 180 Stone Cuts in Graver Setting . 180
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145 Graver Settings in Domed Surfaces . 146 Convex Surfaces . 146	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179 Synthetic Gemstones . 180 Gemstone Cut Quality . 180 Stone Cuts in Graver Setting . 180
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145 Graver Settings in Domed Surfaces . 146 Convex Surfaces . 146 Concave Surfaces . 147	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179 Synthetic Gemstones . 180 Gemstone Cut Quality . 180 Stone Cuts in Graver Setting . 180 Series Production . 181
Linear Graver Setting Made from Triangular Settings . 133 Linear Graver Setting Made from Star-Shaped Settings . 133 Rope-Shaped Linear Graver Settings . 135 Linear Graver Setting with Points and Arches . 135 Linear Graver Setting with Two Beads per Stone . 135 Linear Graver Setting with Four Beads per Stone . 136 Linear Graver Setting with Five Beads . 137 Curved Graver Setting . 138 Gemstones at the End of a Linear Graver Setting . 139 Memoire Rings . 140 Cutting the Setting after Gemstones Are Set . 141 Pavé Settings . 142 Distances between Stones In Pavé Settings . 142 Metal Gauge for Pavé Settings . 142 Patterned Pavé . 143 Freeform Pavé . 144 Covered Graver Setting . 145 Graver Settings in Domed Surfaces . 146 Convex Surfaces . 146 Concave Surfaces . 147 Graver Settings in Platinum . 147	Grading and Evaluation of Diamonds . 167 Weight (Carat) . 167 Clarity . 167 Color . 168 Cut . 168 Diamond Certificates . 170 Brilliant Old Cut Diamonds . 171 Stone Damage . 172 Notes . 172 Assistance . 173 Gemstone Qualities . 176 Quality Improvement through Treatment . 177 Bonded Gemstones . 178 Synthetic Gemstones and Imitations . 179 Imitations . 179 Synthetic Gemstones . 180 Gemstone Cut Quality . 180 Stone Cuts in Graver Setting . 180

Index . 184

Graver Settings in Models . 149

Undercutting Beads . 150