



## Flute, C, High Pitch

### Date

1868-1892 ca.

### Primary Maker

Alfred G. Badger

### Description

3 sections: headjoint, one-piece body and barrel, and foot joint (instrument has 2 headjoints in total); Boehm system with cylindrical body and "parabolic" head joints; solid silver body and keywork; 17 touchpieces; closed holes; inline G; closed G-sharp; Briccialdi B-flat; roller touches for C and B; teardrop-shaped D-sharp key; trill keys for D and D-sharp; low B-flat key for left-hand little finger; extra trill lever touch for G-sharp; seamed tubing; soldered toneholes with beveled edges; low B-flat foot joint with Badger's adjusting screw. Silver headjoint: Badger's "Full Head" or barrel; solid silver; seamed tubing; barrel-type embouchure plate with wooden core sheathed in metal; embouchure hole has square oval shape; gold-plated, oval signature plaque surrounded by foliage engravings. Ebonite headjoint: Badger's thinned; ebonite; silver ferrules and tenon (seamed tubing); raised lip embouchure plate; embouchure hole has oval shape.

### Dimensions

Total assembled length, silver head without tuning ring (from top to bottom, not including endcap): 748 mm  
Acoustical length, silver head without tuning ring (from center of embouchure hole to bottom): 675 mm  
Total assembled length, silver head with tuning ring (from top to bottom, not including endcap): 761 mm  
Acoustical length, silver head with tuning ring (from center of embouchure hole to bottom): 686 mm  
Total assembled length, ebonite head (from top to bottom, not including

endcap): 737 mm  
Acoustical length, ebonite head (from center of embouchure hole to bottom): 668 mm  
Silver head (not including endcap): 204 mm  
Ebonite head (not including endcap): 192 mm  
Body: 335 mm  
Foot: 211.5 mm  
Inner Bore at very top of silver head, cap removed: 17.2 mm  
Inner Bore at end of silver

head joint: 18.5 mm Inner Bore at very top of ebonite head, cap removed: 17.5 mm Inner Bore at end of ebonite head joint: 18.5 mm Inner Bore at bottom of body: 18.7 mm Inner Bore at bottom foot joint: 18.7 mm Silver head embouchure hole diameter (width X length): 10.3 X 13.3 mm Ebonite head embouchure hole diameter (width X length): 10.2 X 13.3 mm Tuning ring or sleeve for silver head: 11.5 mm