

# Basic Detail Report

---



## Flute, C

### Date

1932

### Primary Maker

Verne Q. Powell

### Description

3 sections: headjoint, one-piece body and barrel, and foot joint. Cylindrical Boehm system with open holes. Sterling silver body and keywork. Seamed tubing. Soldered toneholes. 15 touchpieces. Inline G. Closed G-sharp. Briccialdi B-flat key. Trill keys: B-flat, D, D-sharp. C-foot. T-clutch for right hand. This Boehm system flute was made for George Madsen, solo piccolo with the Boston Symphony Orchestra (BSO) under Serge Koussevitzky. This flute is a copy of a Louis Lot design built by Powell to the higher pitch scale. The headjoint tenon includes a ring that was specific to flutes built by Lot.

### Dimensions

Total assembled length (from top to bottom, not including endcap): 662 mm Acoustical length (from center of embouchure hole to bottom): 598 mm Head (not including endcap): 168 mm Body: 355 mm Foot: 128.6 mm Inner Bore at very top of head, cap removed: 16.7 mm Inner Bore at end of head joint: 19.0 mm Inner Bore at bottom of body: 19.1 mm Inner Bore at bottom foot joint: 19.0 mm Embouchure hole diameter (length X width): 12.1 X 10.3 mm Tubing thickness: 0.014 inch