

# Basic Detail Report

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## **Cornet à cylindres système Sax, forme horizontale, B-flat, A, A-flat, G, F, E-flat**

### **Date**

1846-1854 ca.

### **Primary Maker**

Adolphe Sax & Cie

### **Description**

Silver-plated brass, single loop, trombone-shape, tuning slide at front bow, three Berlin piston valves (1, ½, 1½), screw alignment. Three silver-plated brass shanks for B-flat (two) and A (one); coupler for A-flat and E-flat (usable in conjunction with B-flat shank or E-flat crook); three crooks for G, F, and E-flat (only usable with coupler); shanks and crooks of various ages. Original silver-plated brass mouthpiece with wide flat rim and almost funnel-shaped cup. Black conifer case. Adolphe Sax designed the "cornet à cylindre système Sax" in two variants: with upright bell, called "cornet à cylindres forme Saxotromba de cavalerie" by Kastner (1848), and with horizontal bell or "forme horizontale," as in this instrument. Sax uses the term "cylindre" to describe his versions of the Berlin valve.

### **Dimensions**

Height (= body length): ca. 410 mm Tube length: 1252 mm, 1281 mm, 1312 mm, 1386 mm, 1494 mm, 1553 mm, 1779 mm, 2075 mm Bore diameter (initial, minimum, tuning slide, valve slide): 11.6 mm, 9.8 mm, 11.3 mm, 11.3 mm Bore diameter shanks and crooks (range initial, terminal): 9.5-9.2 mm, 9.9-9.6 mm Bore diameter coupler: 11.4 mm, 9.7 mm Bell diameter: 122 mm