

**Schaufler, Carl August, 10 key bassoon; Schaufler1-O-Reil**

Complete Project Title: Schaufler1-O-Reil-Wg1-WOB-DNM

Carl August Schaufler, Stuttgart (1792-1877)

According to Thomas Reil, this bassoon is either a simple Stuttgart model or before Schaufler began working with Neukirchner

Literature; Dullat, Günter. *Verzeichnis der Holz- und Metallblasinstrumentenmacher auf Deutschsprachigem Gebiet von 1500 bis Mitte des 20. Jahrhunderts*. Scheider, 2010, pp. 405, 406.

Hofer, Achim, et al. *Lexikon der Holzblasinstrumente*.

Laaber, 2018, p.666.

Waterhouse, William. *The New Langwill Index*.

London: Tony Bingham, 1993.

Waterhouse, William. *The Proud Bassoon*. 1983.

Werr, Sebastian. *Geschichte des Fagotts*. Wißner-Verlag, 2011, pp. 67, 138, 139.

Location: Reil Collection, Stuttgart, Germany

Measured 3 June 2019, 3 Feb 2024

10 Key: Ab (on small bore), two wing keys, Low Eb for left little finger; F# for R thumb, C# for right thumb, and Bb between V and VI (venting into small bore of boot)

No; Swallowtail F key touch

No; Two-piece saddle on F key flap and touch

**Yes; Two-hole boot joint system**

No; Military bell

No; Bell flare

No; Bell crown

No; Bell chamber

No; Tone hole on bell

Yes; Platform on long joint

Dated; No

Notes: 1. Bassoon made of maple

2. All keys in metal saddles

3. All finger holes show some wear but not a great deal

4. Waterhouse mentions the "thickened wall profile" found on the wing and boot joint is a characteristic of Schaufler. Tone lengths are very long on wing and boot because of this thickness of wall.

**5. Wing keys are reversed as to which key is higher up the wing.**

**This is a characteristic of the "Stuttgarter Fagott."**

**Lowest key is highest up the wing.**

6. Ab key under G key as usual for basn. of this period, but tone hole vents to small bore.

7. There is a No. 1 under wing stamp

Standing Height; Bell, long joint, boot 126.7cm  
[measured with boot cap off]  
Wing and boot 90.2cm [with boot cap off]

Stamps on all joints; Wing, boot, long joint and bell  
There is a No. 1 under wing stamp

#### Measurements not included on Data file

Ab tone hole [on small bore]	6.0mm diameter
[Ab Key under G key]	375mm from boot joint socket
	Drilled over to small bore
	27.2mm length
Low Eb key [left little finger]	8.3mm diameter
	105mm from small boot tenon [into boot]
	7.5mm length
F# key [right thumb]	6.5mm diameter
	273mm from large boot socket
	21.2mm length [drilled into boot large side]
C# key [right thumb]	6.3mm diameter
	57mm from small boot socket
	27.3 length [into boot small bore]
Bb key [right hand 3 <sup>rd</sup> finger]	4.8mm diameter
	185mm from small bore socket
	Drilled over to small bore
	36.5 length [into boot small bore]
Undercutting on long joint	Yes, in long joint
Boot joint small socket depth	49.8mm
Boot joint large socket depth	42.7mm
Cronin Meas.	319mm
Wing thickness across E [II] tone hole	50.9mm