

Merklein, Johann, 8 key bassoon; MerkleinJ1-O-Sigal2008.01

Complete Project Title: MerkleinJ1-O-Sigal2008.01-Wg1-WOB-DNM

c.1810, Accession number 2008.01

Merklein, Johann Baptist, (Rehberg 1761-Wien 1847), fl Wien 1799-1847

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

Hopfner, Rudolf. *Wiener Musikinstrumentenmacher 1766-1900*.
Schneider, 1999, pp. 332-333.

Jansen, Will. *The Bassoon: Its History, Construction, Makers, Players and Music*. Frits Knuf, 1978, Vol. I, p. 438.

Nagy, Michael. "Zum fagottbau in Wien", in *Bericht über die Vierte Internationale Fachtagung zur Erforschung der Blasmusik, Uster/Schweiz*. Tutzing: Hans Schneider. 1981, pp. 35-36.

Ottner, Helmut. *Der Wiener Instrumentenbau 1815-1833*.
Tutzing: Hans Schneider. 1977, pp. 101, 102.

Rice, Albert. *Four Centuries of Musical Instruments*. 2015, p. 208.

Waterhouse, William. *The New Langwill Index*. Tony Bingham, 1993.

Location: Sigal Music Museum, Greenville, South Carolina, USA

Formally in the Sigal Collection, Boston, USA

Bassoon measured 4 Nov 2022

8 Keys: Ab (on small bore), 2 wing keys, F#, Eb (left thumb)

Yes; 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

Yes; Bell crown

No; Bell chamber

No; Tone hole on bell,

Yes; Platform on long joint

Dated; No

Notes: 1. All segment bores in good shape, very few out of round areas

2. Made from maple

Standing Height; Bell, long joint, boot 124.1cm
[Measured with boot cap off]

Wing and boot 90.5cm

Stamps on all joints: Wing, boot, long joint, bell

Measurements not included on Data file

Ab tone hole on small bore	4.4mm diameter 313mm from small boot joint socket 10.4mm length
F# tone hole	6.6mm diameter 261mm from boot socket Drilled toward large bore side 18.5mm length
Low Eb tone hole	6.9mm diameter 131mm from small long joint tenon 7.4mm length
Undercutting on long joint	Yes, in long joint
Boot joint small socket depth	45.5mm
Boot joint large socket depth	44.2mm
Cronin Measurement	334mm
Wing thickness across E [II] tone hole	40.0mm