Küss, Wolfgang, 11 key bassoon; KüssW4-O-Edinburgh150
Complete Project Title: KüssW4-O-Edinburgh150-Wg1-WOB-DNM
Küss, Wolfgang (Sandau, Bohemia 1779 - Wien 1834) *fl.* Wien 1810-1839
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, p. 289.
Jansen, Will. *The Bassoon: Its History, Construction, Makers, Players and Music.* Frits Knuf, 1978, Vol. I, pp. 421, 422.
Nagy, Michael. "Zum fagottbau in Wien", in *Bericht über die Vierte Internationale Fachtagung zur Erforschung der Blasmusik, Uster/Schweiz.* Tutzing: Hans Schneider. 1981, pp. 40-41.
Ottner, Helmut. Der Wiener Instrumentenbau 1815-1833. Tutzing: Hans Schneider. 1977, pp. 87, 88.
Rice, Albert. *Four Centuries of Musical Instruments*. 2015, p. 182.
Waterhouse, William. *The New Langwill Index*. Tony Bingham, 1993.
Werr, Sebastian. *Geschichte des Fagotts*. Wißner-Verlag, 2011, pp. 146, 147.
Young, Phillip. *4900 Historical Woodwind Instruments*. Tony Bingham, 1993.
Young, Phillip. *Loan Exhibition of Historic Double Reed Instruments*. August 1988, pp. 71, 72.
Location: Edinburgh University Collection, Edinburgh, UK
Bassoon measured 1 June 2023

11 Keys: Ab (on large bore), 2 wing keys [reversed,
lowest key opens highest vent hole],
F# on wing [second finger left hand]
F#, C# (right thumb), Bb [right 3rd finger] both on boot
Low Eb left little finger
No; Swallowtail F key touch
No; Two-piece saddle on F key flap and touch
Yes; Two-hole boot joint system
No; Military bell
Yes; very slight Bell flare
No; Bell crown
No; Bell chamber
No; Tone hole on bell
Yes; Platform on long joint
Dated; No

Notes: 1. Made from maple
2. The shafts of the Keys in channels with pins, and the channel are lined with brass [sides and bottom]
3. The two wing keys in channels with pins

4. On the wing, lowest key opens highest vent hole
5. It appears that a tuning slide has been removed,
or the top of the wing is the brass sleeve of the tuning slide
6. There is a white insert in the low D tone hole [closed by left thumb]
7. No rounded tone hole surfaces
8. On Küss3 and 4, wing tone holes not drilled into center of bore.
Did Küss do this on purpose? Boot finger holes on boot drilled into center of bore

Standing Height; Bell, long joint, boot	127.5cm
	[measured with boot cap on]
Wing and boot	89.5cm

Stamps only found on boot [not found on wing, long joint, or bell]

Measurements not included on Data file

Ab tone hole	9.6mm diameter
[Large bore of boot]	371mm from boot joint socket
	13.7mm length
Eb tone hole	4.3mm diameter.
[Wing joint]]	359mm from top of wing joint vrfd large
	15.4mm length
	Drilled straight down into wing bore
F# tone hole	7.8mm diameter
[Large bore of boot]	263mm from boot socket
	19mm length
	Drilled over toward large boot bore
C# tone hole	7.6mm diameter.
[Small bore of boot]	42mm from top of small boot bore
	19.0mm length
	Drilled over to small bore side
Bb tone hole on Boot	6.8mm diameter.
[Small bore of boot]	227mm from top of small boot bore
	28.0mm length
	Drilled over toward small bore side
Low Eb tone hole	8.2mm diameter
[left little finger]	119mm from small long joint tenon
	5.0mm length vrfd small
Undercutting on long joint	Yes, in long joint,
	a great deal on low C tone hole

Boot joint small socket depth	37.8mm
Boot joint large socket depth	44.2mm

Cronin Measurement	327mm

Wing thickness across E [II] tone hole	44.2mm vrfd