

Sax, Adolphe, 21 key bassoon; SaxA1-O-BrusMIM2003.033

Complete Project Title: SaxA1-O-BrusMIM2003.033-Wg1-WOB-DNM

Short Format; many tone hole measurements not taken [bore measured]

Adolphe Sax, fl. Brussels/Paris (Dinant 1814 - Paris 1894)

Literature: Haine, Malou. *Adolphe Sax, sa vie, son œuvre, ses instruments de musique*. Université de Bruxelles, 1980.

Haine, Malou & Meeùs. *Dictionnaire des Facteurs d'Instruments de Musique en Wallonie et à Bruxelles du 9e Siècle à nos jours*. Pierre Mardaga, Bruxelles, 1986.

Haine, Malou. *Les facteurs d'instruments de musique à Paris au 19e siècle*. Université de Bruxelles, 1984.

Jansen, Will. *The Bassoon: Its History, Construction, Makers, Players and Music*. Frits Knuf, 1978 Vol. 1, p. 472, 473.

Keyser, Ignace & Haine, Malou. "Le musée instrumental d'un artiste inventeur: la collection privée d'Adolphe Sax", in *Adolphe Sax, his influence and legacy: a bicentenary conference*. Revue Belge de Musicologie, Vol. LXX (2016), p. 154.

Londeix, Jean-Marie. *Pour une histoire du saxophone et des saxophonistes, Livre 1 (1814 à 1899) Adolphe Sax*. Delatour France, 2017.

Lunte, Frank & Müller-Elschner. *Saxophone: Un instrument et son inventeur*. Nicolai, 2014.

Pierre, Constant. *Les Facteurs D'Instruments de Musique*. 1893.

Rorive, Jean-Pierre. *Adolphe Sax*. Gerard Klopp, 2014, pp.105

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

Location: Musée des instruments de musique (MIM), Brussels, Belgium

Measured 20 Feb 2019, 17 March 2022, 15 Feb 2024

21 Key [Jansen reports 23 key]:

Wing (8): E, D, C, Eb, F#, two octave keys, bocal key
[closed by either octave key],

Boot (7): 1st finger ring, A, Bb 3rd finger, G, F, Ab (Large bore),
F# right thumb (Large bore),

Long joint (6): low Eb left thumb, Low D, low C, low B, low Bb,
C# left thumb

Bell: Bb flap

No; Swallowtail F key touch

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

No; Two-hole boot joint system

No; Military bell

Yes; Bell flare

No; Bell crown

No; Bell chamber

No; Tone hole on bell (except low Bb flap)

No; Table on long joint

No; Date;

Important Points:

1. Keys in pillars with rods or screws. Some soldered on a plate some turned directly into wood (esp. on wing).
2. Tone hole surfaces rounded as a modern bassoon
3. Boot turn around has cork
4. Plates under pillars have a sort of track for the spring to flex on.
5. Has rollers for right little finger, F to Ab
6. There is a ring for first finger left hand

Standing Height; Bell, long joint, boot 126.5cm
[measured with boot cap removed]

Wing and boot: 88.4cm

Stamps on all joints [wing, boot, long joint, bell]

Measurements not included on Data file

C# [wing, closed key] [left little finger] [could remove key]	5.5mm diameter 448mm from wing tenon Drilled straight down and over to wing bore 27.2mm length
Low Eb [could not remove key] [left thumb]	8.5mm diameter 121mm from small long joint tenon 6.0mm length
Low Db [could remove key] [left thumb]	10.3mm diameter 396mm from small long joint tenon 5.9mm length
F# [could remove key] [boot, large bore] [right thumb]	7.5mm diameter [6.4mm into tone hole] 393mm from large boot socket 17.0mm length
Undercutting on long joint	Yes, in long joint
Cronin measurement	335mm Normal measurement 372mm Meas. to right hand 1 st brille [or second tone hole on boot]
Wing thickness across E [II] tone hole Wg1	c.46mm
Maximum thickness of boot at C [IV] tone hole	51.3mm

Thread sizes: Rods: M2.0 x 0.40 [not loose]
Pivot screws: M3.0 x 0.50 [left thumb C#]
Gautrot-Marquet pivot screws: M2.5 x 0.45

Reed in case

Total length 58.5mm
Blade length 29mm

Two iron wires, 7mm apart
Red string
Could not read name; could to be "Paris" on second line