

**Hirschstein, Mathäus, 4 key bassoon; Hirschstein1-O-Rachor**

Complete Project Title: Hirschstein1-O-Rachor-Wg1-WB-DNM

Mathäus Hirschstein, Leipzig (c.1695-1760), Instrument dealer

Literature: Dullat, Günter. *Verzeichnis der Holz- und*

*Metallblasinstrumentenmacher auf Deutschsprachigem Gebiet von 1500 bis Mitte des 20. Jahrhunderts.* Scheider, 2010.

Heyde, Herbert. "Der Instrumentenbau in Leipzig zur Zeit Johann Sebastian Bachs, in *300 Jahre Johann Sebastian Bach*. Tutzing: Schneider, 1985, p. 81-82.

Heyde, Herbert. *Musikinstrumentenbau in Preussen*, Schneider, 1994.

Heyde, Herbert. "Der Holzblasinstrumentenbau in Leipzig in der 2. Hälfte des 18. Jahrhunderts". *TIBIA*, Moeck, No. 3, 1987, pp. 482-485.

Lütgendorff, Willibald von. *Die Geigen und Lautenmacher vom Mittelalter bis zur Gegenwart*, II. Band. Frankfurter Verlags, 1922.

Rachor, David. "A Bassoon by Hirschstein: The Instrument and Its Possible Use in the Military". *The Galpin Society Journal*, Vol. 57, May 2004, pp. 117-124, 179.

Vannes, René. *Dictionnaire Universel des Luthiers*. Bruxelles, 1951.

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

Location: Rachor Collection, Tempe, USA

Measured 14 May 2011 & 5 Jan 2017

4 Key: Ab (on small bore)

Yes: Swallowtail F key touch

Yes; 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

No; Platform on long joint

Notes; 1. Metal arm connected to bell, could be part of a music lyre

Standing Height; Bell, long joint, boot 121.4cm

Wing and boot 91.5cm

Stamps: Boot only

Measurements not included on Data file

Ab tone hole, on small side 4.5 mm dia.

316 mm from boot socket

Drilled with a slight downward angle toward the boot turn around

Boot joint small socket depth 44.3mm  
Boot joint large socket depth 48.4mm

Cronin Meas. 344mm

Wing thickness across E [II] tone hole 38.8