

May 31 1979

Silver Boehm Flute of Giuseppe di Guigno ~~de Guigno~~ Paris

Th. Boehm
in
Munich
56

← on ferrule
ser. no. 1255

Made between 1847 and 1867
Bate p 127 DCM also (p 91)

Has an ivory crook
Gold lip plate beautifully cut embouchure hole ^{normal} 10x12mm
Thin wall. Head joint cut off about 8mm from the
evidence of the fitted case for this flute

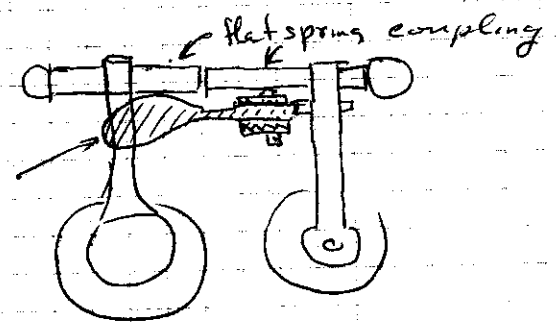
Trill key holes about 7 1/2 mm diam worked by RH #1 and 2
C# key hole about 7 mm

Briccialdi's thumb lever for LH thumb, but Bb connection
is made via the other side of the flute. There is also
a linkage so that a cross key for RH 3 can work this
the Bb connection

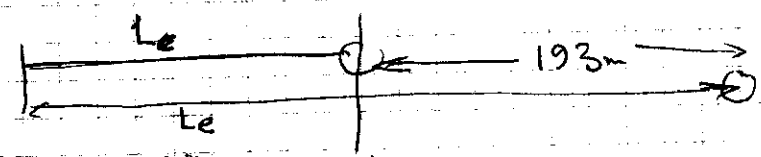
This is probably a misnomer, now that I look closely at it.
Just Boehm's way of fudging in all the hinges

Closed G# key but with a cousin (made better though)
to the Dorus function.

~13mm tone holes



What pitch was this built to?
Distance between C₅ hole and E₄ hole = 193mm



$$L_c \times (1.05946)^x = L_c$$

$$L_c \times \left(\frac{523.3}{329.7}\right) = \frac{1.5872}{1.7389} L_c = L_c$$

$$\frac{1.7389}{1.5872} L_c - L_c = 193 \Rightarrow L_c = \frac{193}{0.1389} = 261.22 \text{ mm}??$$

$$\frac{193}{.5872} = 328.6 \text{ mly, 1mm away!}$$

Also: 9f A440 flute. Distance between C₅ and C₆²
holes on Boehm's Schema is $622.3 - 329.7 = 292.6$
Measured 290.5 cm ok

Putting the C# & C keys of the foot joint on top
of the body makes these keys
remarkably comfortable to work.