


## 12-key tenoroon, Jean-Nicholas SAVARY JEUNE (4), Paris, ca. 1838

| Bell bore $\varnothing$ south | 29.5 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Bell socket length | 29.7 |  |  |  |  |
| Bocal $\varnothing$ at the beginning | 3.7 |  |  |  |  |
| Bocal thickness at the beginning | 0.2 |  |  |  |  |
| Bocal $\varnothing$ at the tenon | 7.3 |  |  |  |  |
| Bocal thickness at the tenon | 0.3 |  |  |  |  |
| Bocal length (along top) | 229 |  |  |  |  |
| COMPLETE - OUTSIDE | Min. | Max. |  |  |  |
| Bocal well thickness with ferrule | 4 | 4.1 |  |  |  |
| Bocal well ferrule thickness | 0.3 |  |  |  |  |
| Wing - tenon thickness | 3 | 3.2 |  |  |  |
| Wing - tenon northern extern. $\varnothing$ | 21.3 | 21.5 |  |  |  |
| Wing - tenon southern extern. $\varnothing$ | x |  |  |  |  |
| Wing - tone hole A distance from north | 79 |  |  |  |  |
| Wing - tone hole A angle | $20^{\circ}$ North |  |  |  |  |
| Wing - tone hole A approx. $\varnothing$ |  |  | 3 mm until ca. end of hole tunnel; another hole with $2.6 \mathrm{~mm} \varnothing$ going into bore. |  |  |
| Wing - tone hole A approx. length | 7.6 |  |  |  |  |
| Wing - tone hole C distance from north | 41 |  |  |  |  |
| Wing - tone hole C angle | $20^{\circ}$ North |  | right. <br> 2.8 until ca. end of the hole tunnel; another hole with $2.3 \mathrm{~mm} \varnothing$ going into bore. |  |  |
| Wing - tone hole C approx. $\varnothing$ | 2.8 |  |  |  |  |
| Wing - tone hole C approx. length | 7.1 |  |  |  |  |
| Butt-big socket thickness with ferrule | 1.6 | 1 | With/without ferrule |  |  |
| Butt - small socket thickness with ferrule | 0.7 |  | Ferrule 0.6 |  |  |
| Butt - top ferrule thickness | 0.6 |  |  |  |  |
| Minimum wall thickness between butt sockets | 1.7 |  |  |  |  |
| Butt-wood space between corks - bottom | x |  | One cork |  |  |
| Butt - big bore cork $\varnothing$ - bottom | 18 |  |  |  |  |
| Butt - small bore cork $\varnothing$ - bottom | 18.5 |  |  |  |  |
| Butt - wood wall between cork/front - small bore | 6 | 6.5 | Without/with ferrule |  |  |
| Butt-wood wall between cork/front - big bore | 6.5 | 7 | Without/with ferrule |  |  |
| Butt-wood wall between cork/back - small bore | 5.8 | 6.3 | Without/with ferrule |  |  |
| Butt - wood wall between cork/back - big bore | 5.7 | 6.2 | Without/with ferrule |  |  |
| Wood wall between cork/side - small bore | 3.5 |  |  |  |  |
| Wood wall between cork/side - big bore | - |  |  |  |  |
| Butt - bottom ferrule thickness | 0.5 |  |  |  |  |
| Long joint - south tenon thickness | 2.8 | 3 |  |  |  |
| Long joint - south tenon northern extern. $\varnothing$ | 28.7 | 29 |  |  |  |
| Long joint - south tenon southern extern. $\varnothing$ | 27.5 | 27.8 |  |  |  |
| Long joint - north tenon thickness | 2.1 | 2.3 |  |  |  |
| Long joint - north tenon northern extern. $\varnothing$ | 33.3 | 33.5 |  |  |  |
| Long joint - north tenon southern extern. $\varnothing$ | 33 | 33.3 |  |  |  |
| Bell socket thickness with brass | 2 | 2.1 |  |  |  |
| Brass thickness of the bell ferrule | 0.5 |  |  |  |  |
| Bell ferrule height | 29 |  |  |  |  |
| Tone hole angle, $\varnothing$, length |  |  |  |  |  |
| Butt-tone hole Ab angle | $6.5^{\circ}$ South |  |  |  |  |
| Butt-tone hole F angle | $10^{\circ}$ South |  |  |  |  |
| Butt-tone hole F\# angle | $13^{\circ}$ South |  |  |  |  |
| Butt - tone hole Ab approx. $\varnothing$ | 7.7 |  |  |  |  |
| Butt-tone hole F approx. $\varnothing$ | 7.3 |  |  |  |  |
| Butt - tone hole F\# approx. $\varnothing$ | 6.3 |  |  |  |  |
| Butt-tone hole Ab approx. length | 11.5 |  |  |  |  |
| Butt - tone hole F approx. length | 12.3 |  |  |  |  |
| Butt- tone hole F\# approx. length | 12 |  |  |  |  |
| Long joint - tone hole D angle | x |  |  |  |  |
| Long joint - tone hole E b angle | x |  |  |  |  |
| Long joint - tone hole B b angle | x |  |  |  |  |


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| Long joint - tone hole D approx. $\varnothing$ | 11.2 | 11.4 |  |  |
| Long joint - tone hole E b approx. $\varnothing$ | 6.5 | 6.7 |  |  |
| Long joint - tone hole B b approx. $\varnothing$ | 13.1 | 13.2 |  |  |
| Long joint - tone hole D approx. length | 6.3 |  |  |  |
| Long joint - tone hole E b approx. length | 4.6 |  |  |  |
| Long joint - tone hole B b approx. length | 6.2 |  |  |  |
| COMPLETE - INSIDE |  |  |  |  |
| Wing - tone hole 1 distance from south | 239 |  |  |  |
| Wing - tone hole 2 distance from south | 158 |  |  |  |
| Wing - tone hole 3 distance from south | 129 |  |  |  |
| Wing - tone hole A distance from south | 305 |  |  |  |
| Wing - tone hole C distance from south | 342.5 |  |  |  |
| Butt-tone hole 4 distance from north | 55 |  |  |  |
| Butt-tone hole 5 distance from north | 110 |  |  |  |
| Butt-tone hole 6 distance from north | 142 |  |  |  |
| Butt-tone hole Ab distance from north | 262 |  | In big bore |  |
| Butt - tone hole F distance from north | 243 |  |  |  |
| Butt - tone hole F\# distance from north | 214 |  |  |  |
| Butt - tone hole E distance from north | 102 |  |  |  |
| Long joint - tone hole D distance from north | 422 |  |  |  |
| Long joint- tone hole E b distance from north | 372 |  |  |  |
| Long joint - tone hole C distance from north | 269 |  |  |  |
| Long joint - hole Bb distance from north | 98 |  |  |  |
| Bell - vent hole distance from north | x |  |  |  |
|  |  |  |  |  |
| EXTRAS |  |  |  |  |
| Tone hole distance, axis |  |  |  |  |
| Long joint - tone hole C\# distance from north | 161.5 |  |  |  |
| Long joint - tone hole B distance from north | 42.5 |  |  |  |
| Long joint - major axis (side to side) at tone hole C\# | 36.3 |  |  |  |
| Long joint - minor axis (front to back) at tone hole C\# | 35.5 |  |  |  |
| Long joint - major axis (side to side) at tone hole B | 38.3 |  |  |  |
| Long joint - minor axis (front to back) at tone hole B | 38.1 |  |  |  |
| Long joint - tone hole C\# $\varnothing$ | 7.4 | 7.5 |  |  |
| Long joint - tone hole C\# approx. length | 5 |  |  |  |
| Long joint - tone hole B $\varnothing$ | 7.9 | 8 |  |  |
| Long joint - tone hole B approx. length | 4.9 |  |  |  |
| Long joint - tone hole C\# distance from north | 162.5 |  |  |  |
| Long joint - hole B distance from north | 42.5 |  |  |  |
| Wing - tone hole A length | 7.6 |  |  |  |
| Wing - tone hole A extern. $\varnothing$ | 22.5 | 23.3 | Front - back, with hole in front / (side to side) |  |
| Wing - tone hole C length | 7.1 |  |  |  |
| Wing - tone hole C extern. $\varnothing$ | 21.5 | 22.4 | Front - back, with hole in front / (side to side) |  |
| Butt - wood wall between cork/front in middle | 7.5 |  |  |  |
| Butt - wood wall between cork/back in middle | 6.5 |  |  |  |

