

Castle Otway harp provisional string chart

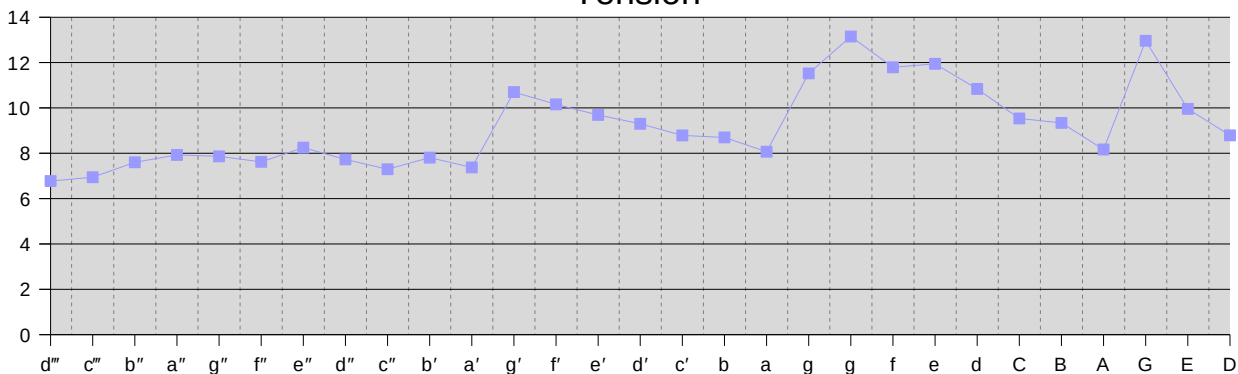


Simon Chadwick, 2020

| String | freq   | Note | Length (cm) | Length (in) | Gauge (mm) | Gauge (in) | Tension (kg) | Metal        |
|--------|--------|------|-------------|-------------|------------|------------|--------------|--------------|
| 1      |        |      |             |             |            |            |              |              |
| 2      |        |      |             |             |            |            |              |              |
| 3      | 1568   | g''' | 7.3         | 3           | 0.48       | 0.019      | 8            | Yellow brass |
| 4      | 1396   | f''' | 7.7         | 3           | 0.48       | 0.019      | 7            | Yellow brass |
| 5      | 1318   | e''' | 8.4         | 3           | 0.48       | 0.019      | 8            | Yellow brass |
| 6      | 1174   | d''' | 8.8         | 3           | 0.48       | 0.019      | 7            | Yellow brass |
| 7      | 1046   | c''' | 10          | 4           | 0.48       | 0.019      | 7            | Yellow brass |
| 8      | 986    | b''  | 11.1        | 4           | 0.48       | 0.019      | 8            | Yellow brass |
| 9      | 880    | a''  | 12.7        | 5           | 0.48       | 0.019      | 8            | Yellow brass |
| 10     | 784    | g''  | 14.2        | 6           | 0.48       | 0.019      | 8            | Yellow brass |
| 11     | 698    | f''  | 15.7        | 6           | 0.48       | 0.019      | 8            | Yellow brass |
| 12     | 659    | e''  | 17.3        | 7           | 0.48       | 0.019      | 8            | Yellow brass |
| 13     | 587    | d''  | 18.8        | 7           | 0.48       | 0.019      | 8            | Yellow brass |
| 14     | 523    | c''  | 20.5        | 8           | 0.48       | 0.019      | 7            | Yellow brass |
| 15     | 493    | b'   | 22.5        | 9           | 0.48       | 0.019      | 8            | Yellow brass |
| 16     | 440    | a'   | 24.5        | 10          | 0.48       | 0.019      | 7            | Yellow brass |
| 17     | 392    | g'   | 26.5        | 10          | 0.6        | 0.024      | 11           | Yellow brass |
| 18     | 349    | f'   | 29          | 11          | 0.6        | 0.024      | 10           | Yellow brass |
| 19     | 329.5  | e'   | 30          | 12          | 0.6        | 0.024      | 10           | Yellow brass |
| 20     | 293.5  | d'   | 33          | 13          | 0.6        | 0.024      | 9            | Yellow brass |
| 21     | 261.5  | c'   | 36          | 14          | 0.6        | 0.024      | 9            | Yellow brass |
| 22     | 246.5  | b    | 38          | 15          | 0.6        | 0.024      | 9            | Yellow brass |
| 23     | 220    | a    | 41          | 16          | 0.6        | 0.024      | 8            | Yellow brass |
| 24     | 196    | g    | 44          | 17          | 0.75       | 0.03       | 12           | Yellow brass |
| 25     | 196    | g    | 47          | 19          | 0.75       | 0.03       | 13           | Yellow brass |
| 26     | 174.5  | f    | 50          | 20          | 0.75       | 0.03       | 12           | Yellow brass |
| 27     | 164.75 | e    | 53.3        | 21          | 0.75       | 0.03       | 12           | Yellow brass |
| 28     | 146.75 | d    | 57          | 22          | 0.75       | 0.03       | 11           | Yellow brass |
| 29     | 130.75 | C    | 60          | 24          | 0.75       | 0.03       | 10           | Yellow brass |
| 30     | 123.25 | B    | 63          | 25          | 0.75       | 0.03       | 9            | Yellow brass |
| 31     | 110    | A    | 66          | 26          | 0.75       | 0.03       | 8            | Yellow brass |
| 32     | 98     | G    | 70          | 28          | 1          | 0.039      | 13           | Yellow brass |
| 33     | 82.375 | E    | 73          | 29          | 1          | 0.039      | 10           | Yellow brass |
| 34     | 73.375 | D    | 77          | 30          | 1          | 0.039      | 9            | Yellow brass |

Total: 267

Tension



All measurements and tensions are very approximate, based on scaled photograph from Hilary Rushmer collection

Check your string lengths before using this chart