

RBA Society Irish harp, 1904, string chart

Simon Chadwick January 2009

String no.	freq	Note	Length (cm)	Length (in)	Gauge (mm)	Gauge (in)	Tension (kg)	Metal
1	1972	b'''	6.662	2.625	0.48	0.019	11.0	steel
2	1760	a'''	7.5		0.48	0.019	11.1	steel
3	1568	g'''	8.5		0.48	0.019	11.3	steel
4	1396	f#'''	9		0.48	0.019	10.0	steel
5	1318	e'''	10		0.48	0.019	11.0	steel
6	1174	d'''	11.5		0.48	0.019	11.6	steel
7	1046	c'''	13		0.48	0.019	11.7	steel
8	986	b''	14		0.48	0.019	12.1	steel
9	880	a''	15		0.48	0.019	11.1	steel
10	784	g''	16		0.48	0.019	10.0	steel
11	698	f#''	18.5		0.48	0.019	10.6	steel
12	659	e''	20		0.48	0.019	11.0	steel
13	587	d''	22		0.48	0.019	10.6	steel
14	523	c''	25		0.48	0.019	10.8	steel
15	493	b'	27		0.48	0.019	11.2	steel
16	440	a'	30		0.48	0.019	11.1	steel
17	392	g'	33		0.48	0.019	10.6	steel
18	349	f#'	35		0.48	0.019	9.5	steel
19	329.5	e'	38		0.48	0.019	9.9	steel
20	293.5	d'	40.609	16	0.48	0.019	9.0	steel
21	261.5	c'	44.099	17.375	0.6	0.024	13.2	steel
22	246.5	b	48.541	19.125	0.88	0.035	30.5	brass
23	220	a	52		0.88	0.035	27.9	brass
24	196	g	58		0.88	0.035	27.6	brass
25	196	g	65		0.88	0.035	34.6	brass
26	174.5	f#	72.335	28.5	0.88	0.035	34.0	brass
27	164.75	e	79.315	31.25	0.9	0.035	38.1	brass
28	146.75	d	83		0.9	0.035	33.1	brass
29	130.75	C	91		0.9	0.035	31.6	brass
30	123.25	B	100		0.9	0.035	33.9	brass
31	110	A	107.234	42.25	0.9	0.035	31.0	brass
32	98	G	112.627	44.375	0.92	0.036	28.4	brass
33	82.375	E	115		0.92	0.036	20.9	brass
34	73.375	D	120		0.92	0.036	18.1	brass
35	61.625	BB	125		0.92	0.036	13.8	brass
36	55	AA	130		0.92	0.036	11.9	brass
37	49	GG	136.421	53.75	0.92	0.036	10.4	brass

Total: 620.903

Tension

