



Aart Strootman Mmus Mmus MA

Diamond Marimba

March 28, 2022

Harry Partch

Diamond Marimba

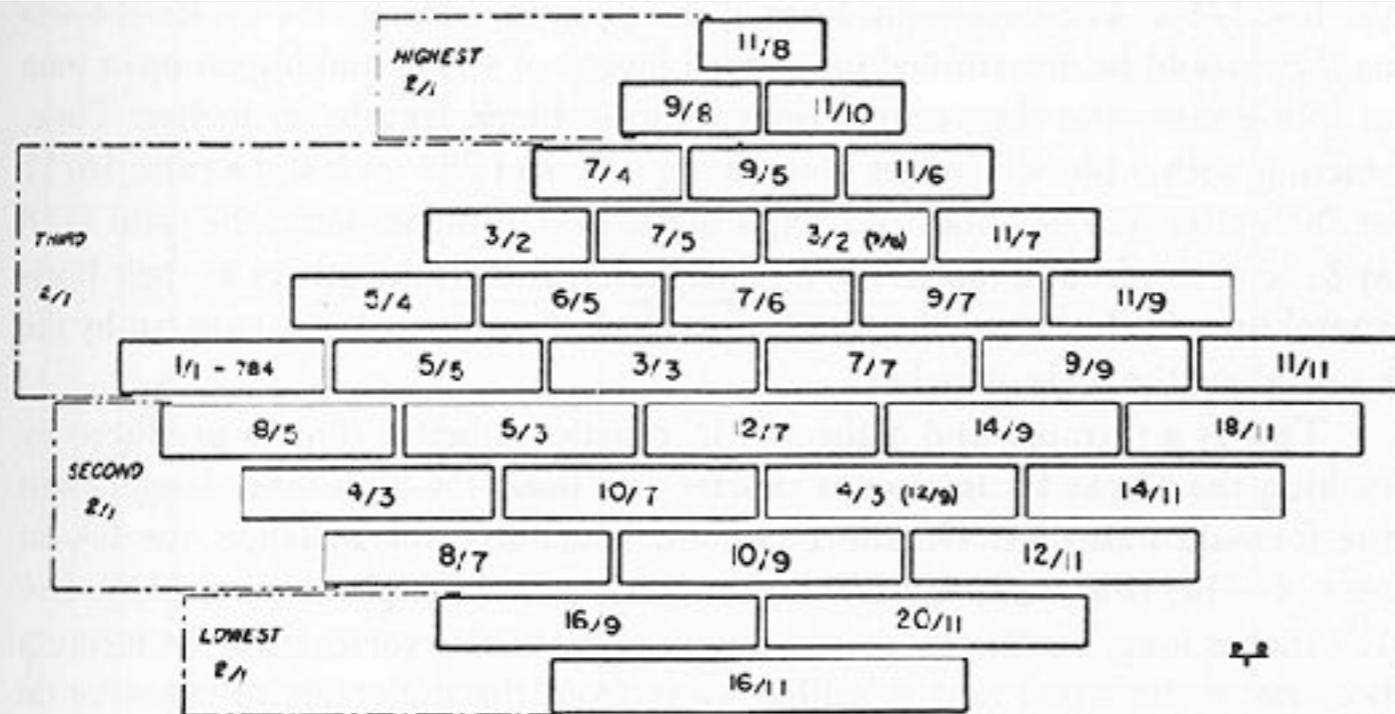
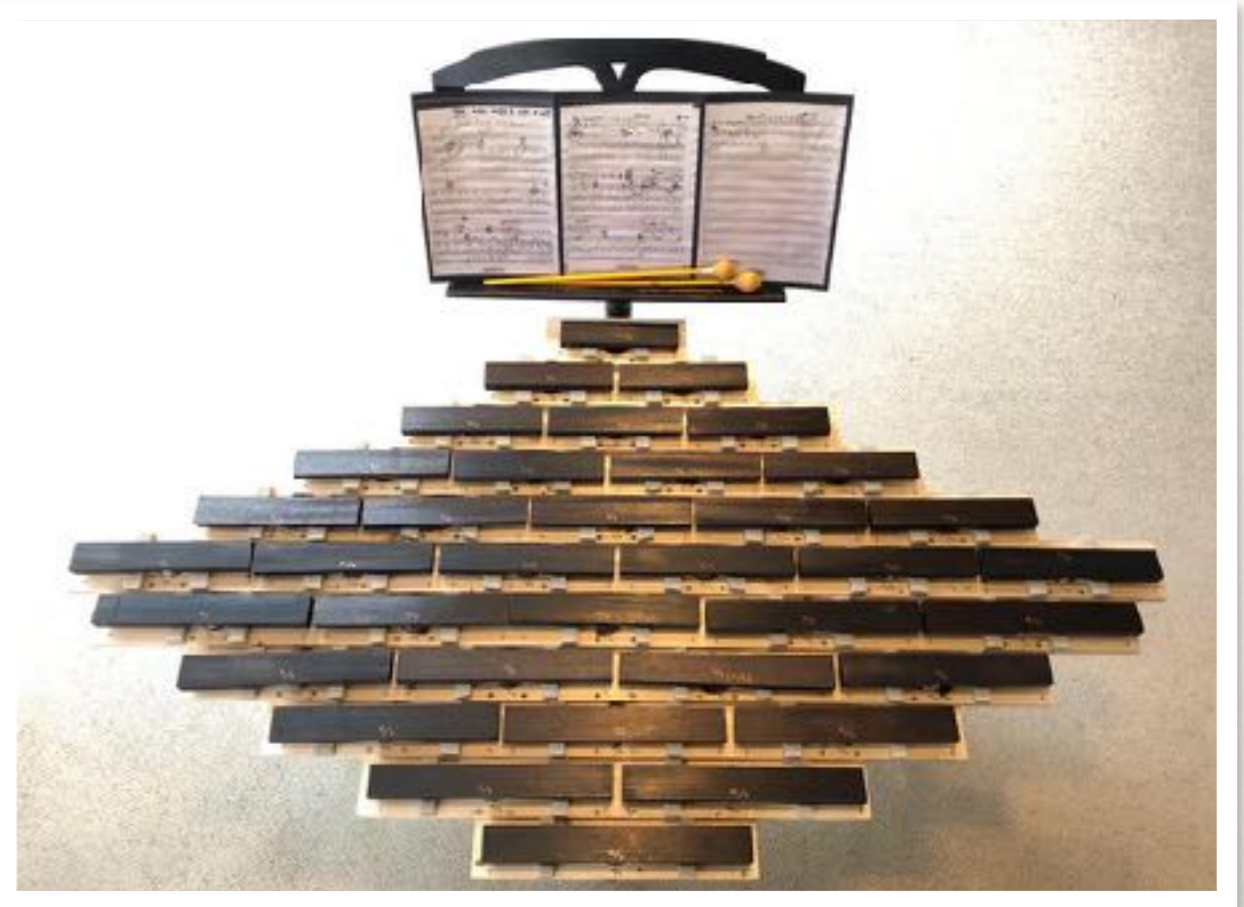
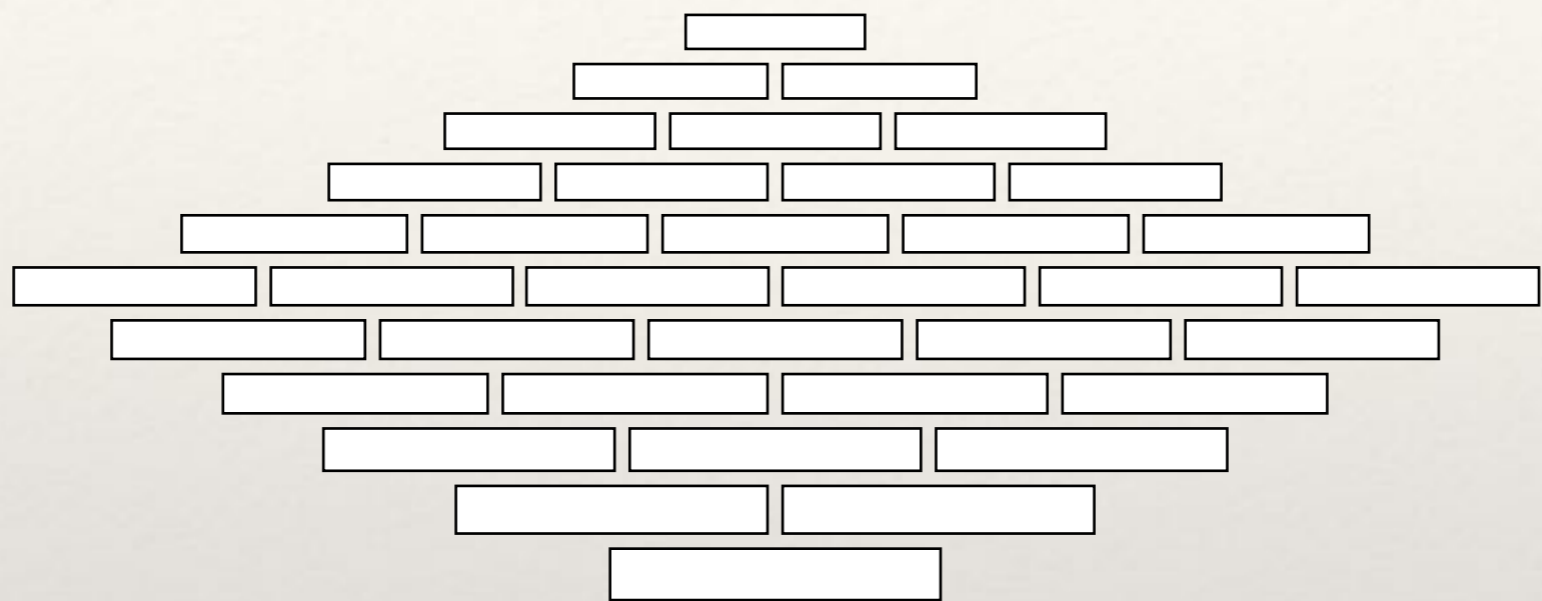


DIAGRAM 17.—BLOCK PLAN OF THE DIAMOND MARIMBA





Cutting maple blocks



Length, arch and thickness

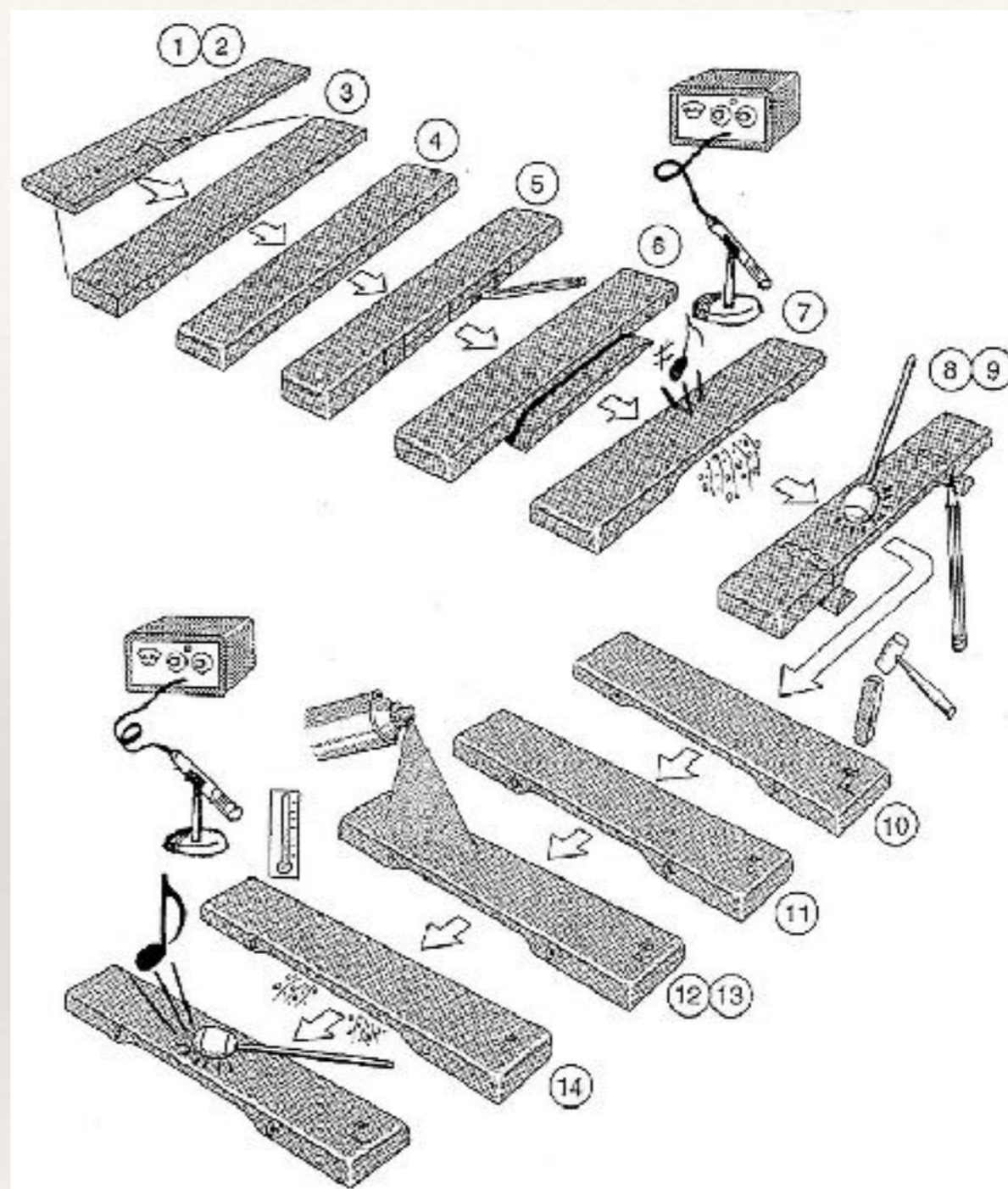


Supporting plate



Rack on wheels

Note		Length inch		Width inch	Thick inch		Thick Center Inc			Length arch inch	
C#6	1	9 5/16	236.53	1.75	44.45	0.75	19.05	0.49	12.45	2 7/8	7.3
A5	2	10 1/16	255.59	1.78	45.21	0.75	19.05	0.42	10.67	3 1/2	8.89
F5	3	10 15/16	277.81	1.81	45.97	0.75	19.05	0.38	9.65	3 3/8	8.57
D#5	4	11 13/32	289.72	1.84	46.74	0.87	22.10	0.38	9.65	3 3/8	8.57
D5	4	11 21/32	296.07	1.84	46.74	0.87	22.10	0.38	9.65	3 3/8	8.57
C#5	4	11 29/32	302.49	1.87	47.50	0.87	22.10	0.38	9.65	4	10.16
B4	5	12 3/8	314.33	1.87	47.50	0.87	22.10	0.37	9.4	4 3/4	12.07
A#4	5	12 19/32	319.88	1.90	48.26	0.87	22.10	0.37	9.4	5 1/2	13.97
	6	13 3/32	332.58	1.93	49.02	0.87	22.10	0.35	8.89	5 7/8	14.92
E4	7	13 11/16	347.66	1.96	49.78	0.87	22.10	0.34	8.64	6 1/4	15.88
D#4	7	13 13/16	350.84	1.96	49.78	0.87	22.10	0.34	8.64	6 1/4	15.88
C#4	8	14 1/4	361.95	2.00	50.8	0.87	22.10	0.31	7.87	6 3/4	17.15
C4	8	14 7/16	366.71	2.00	50.8	0.87	22.10	0.31	7.87	6 5/8	16.83
B3	8	14 5/8	371.48	2.03	51.56	0.87	22.10	0.31	7.87	6 7/8	17.46
A3	9	15 5/32	382.97	2.12	53.85	0.87	22.10	0.31	7.87	8 3/8	21.27
F3	10	16 1/8	409.58	2.38	60.45	0.87	22.10	0.30	7.62	9 3/8	23.81
C#3	11	17 3/32	434.18	2.60	66.04	1.05	26.67	0.29	7.37	11 1/4	28.58



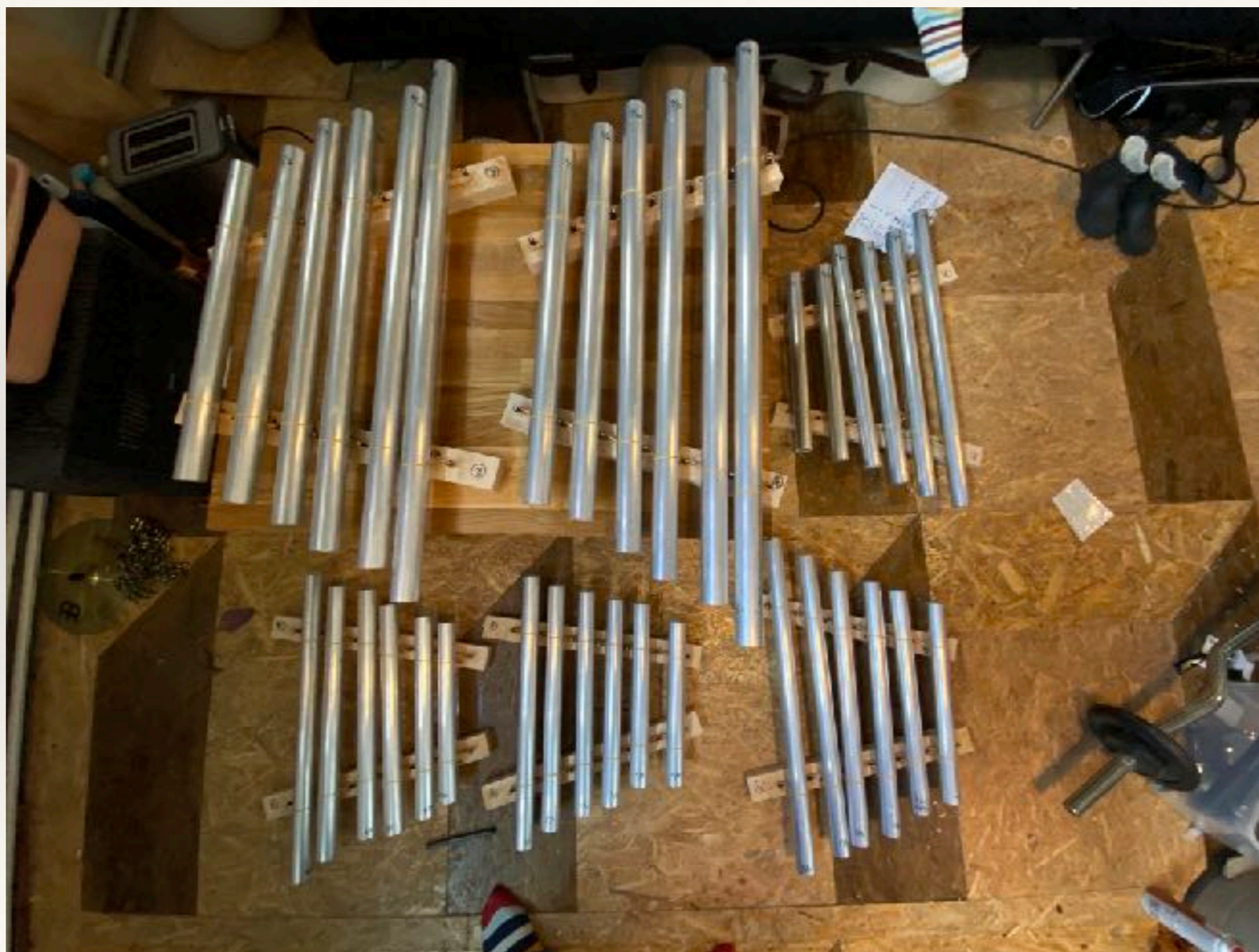






Try out with Ensemble Academy student Porter Ellerman

	Note	Freq Hz	Length inches	Hang Point	Length mm	Hang Point		Note	Freq Hz	Length inches	Hang Point	Length mm	Hang Point
8	G	49.00	112 1/16	25 1/8	2,846.4	638.2	C5	523.30	34 5/16	7 11/16	871.5	195.4	
9	G	58.01	79 1/4	17 3/4	2,013.0	451.3							
10	D	146.80	64 3/4	14 1/2	1,644.7	368.7							
11	G	196.00	56	12 9/16	1,422.4	318.9	D#/E♭	622.30	31 7/16	7 1/16	736.5	179.0	
12	B	246.90	49 15/16	11 3/16	1,263.4	284.4	E	659.30	30 9/16	6 7/8	776.3	174.0	
13	D	293.70	45 3/4	10 1/4	1,162.1	260.5	F	698.50	29 11/16	6 5/8	754.1	169.1	
14	F	349.20	41 15/16	9 3/8	1,065.2	238.8	F#/G♭	740.00	28 13/16	5 7/16	731.6	164.1	
15	G	392.00	39 5/8	8 7/8	1,006.6	225.7	G	784.00	28	5 1/4	711.2	159.6	
16	A	440.01	37 3/8	8 3/8	949.3	212.8	G#/A♭	830.60	27 3/16	5 1/8	690.6	154.8	
17	B	493.81	35 5/16	7 15/16	896.9	201.1	A	880.00	26 7/16	5 15/16	671.5	150.6	
18	C#/D♭	554.40	33 5/16	7 7/16	846.1	189.7	A#/B♭	932.30	25 11/16	5 3/4	652.5	146.3	
19	D	587.30	32 3/8	7 1/4	822.3	184.4	B	987.80	24 16/16	5 9/16	633.4	142.0	
20							C6	1,046.50	24 1/4	5 7/16	616.0	138.1	
21							C#/D♭	1,108.70	23 9/16	5 5/16	596.5	134.2	
22							D	1,174.61	22 7/8	5 1/8	581.0	130.3	
23							D#/E♭	1,244.60	22 1/4	5	566.2	126.7	
24							E	1,318.50	21 5/8	4 7/8	549.3	123.1	
25							F	1,397.00	21	4 11/16	533.4	119.6	
26							F#/G♭	1,480.00	20 3/8	4 9/16	517.5	116.0	
27							G	1,568.00	19 13/16	4 7/16	503.2	112.8	
28	G#/A♭	1,661.20	77	17 1/4	1,855.8	438.5	G#/A♭	1,661.20	19 1/4	4 5/16	489.0	109.6	
29	A	1,760.00	74 13/16	16 3/4	1,900.2	426.0	A	1,760.00	18 11/16	4 3/16	474.7	106.4	
30	A#/B♭	1,864.60	72 11/16	16 5/16	1,846.3	413.9	A#/B♭	1,864.60	18 3/16	4 1/16	462.0	103.6	
31	B	1,975.50	70 9/16	16 13/16	1,792.3	401.8	B	1,975.50	17 5/8	3 16/16	447.7	100.4	
32	C3	130.81	68 9/16	15 3/8	1,741.5	390.4	C7	2,093.00	17 1/8	3 13/16	435.0	97.5	
33	C#/D♭	138.60	66 5/8	14 15/16	1,892.3	379.4	C#/D♭	2,217.40	16 11/16	3 3/4	423.9	95.0	
34							D	2,349.20	16 3/16	3 5/8	411.2	92.2	
35	D#/E♭	156.60	62 7/8	14 1/8	1,597.0	358.1	D#/E♭	2,489.01	16 3/4	3 1/2	400.1	89.7	
36	E	164.80	61 1/8	13 11/16	1,552.6	348.1	E	2,637.00	15 1/4	3 7/16	387.4	86.8	
37	F	174.61	59 3/8	13 5/16	1,508.1	338.1	F	2,794.00	14 13/16	3 5/16	376.2	84.4	
38	F#/G♭	185.00	57 11/16	12 15/16	1,465.3	328.5	F#/G♭	2,960.00	14 7/16	3 1/4	360.7	82.2	
39							G	3,136.00	14	3 1/8	356.6	79.7	
40	G#/A♭	207.70	54 7/16	12 3/16	1,382.7	310.0	G#/A♭	3,322.41	13 5/8	3 1/16	346.1	77.6	
41	A	220.00	52 7/8	11 7/8	1,343.0	301.1	A	3,520.00	13 1/4	3	336.6	75.5	
42	A#/B♭	233.10	51 3/8	11 1/2	1,304.9	292.6	A#/B♭	3,729.20	12 7/8	2 7/8	327.0	73.3	
43							B	3,951.00	12 1/2	2 13/16	317.6	71.2	
44	C4	261.60	48 1/2	10 7/8	1,231.9	276.2	C8	4,186.00	12 1/8	2 11/16	306.0	69.0	
45	C#/D♭	277.20	47 1/8	10 9/16	1,197.0	268.4	C#/D♭	4,434.81	11 3/4	2 5/8	296.5	68.9	
46							D	4,698.40	11 7/16	2 9/16	290.5	65.1	
47	D#/E♭	311.10	44 1/2	10	1,130.3	253.4	D#/E♭	4,978.00	11 1/8	2 1/2	282.6	63.4	
48	E	329.61	43 3/16	9 11/16	1,097.0	245.9	E	5,274.00	10 13/16	2 7/16	274.6	61.6	
49							F	5,568.00	10 1/2	2 3/8	266.7	59.8	
50	F#/G♭	370.00	40 3/4	9 1/8	1,035.1	232.1	F#/G♭	5,920.00	10 3/16	2 5/16	256.6	58.0	
51							G	6,272.00	9 7/8	2 3/16	250.8	56.2	
52	G#/A♭	415.30	38 1/2	8 5/8	977.9	219.2	G#/A♭	6,644.80	9 5/8	2 3/16	244.5	54.8	
53							A	7,040.00	9 3/8	2 1/8	236.1	53.4	
54	A#/B♭	460.20	36 5/16	8 1/8	922.3	206.8	A#/B♭	7,458.40	9 1/16	2 1/16	230.2	51.6	
55							B	7,902.01	8 13/16	2	223.8	50.2	
56	Calculate Length or Frequency for ID & OD entered above							C9	8,367.01	8 9/16	1 15/16	217.5	48.8
57	Enter F	963.00	25 1/4	5 11/16	641.4	143.6	Convert		2,000	inches to	50,800	mm	
58			Enter L						25.4	mm to	1	inches	
59	F=	267.59	48	10 3/4	1,219.2	273.3	http://leehite.org/Chimes.htm						





Just Interference

The image displays a musical score for a piece titled "Just Interference". The top staff shows a marimba melody with a key signature of one sharp (F#) and a series of time signatures: 10/7, 12/7, 7/7, and 4/3. The melody consists of eighth and sixteenth notes, some beamed together. Below the marimba staff is a large grid of empty staves, likely for a percussion ensemble. The bottom section of the score features a multi-staff accompaniment. It includes a "Q player 5" part with a melodic line. Other parts are labeled "slow IRR" (Intermittent Rhythmic Response) and "slow REG" (Regular Rhythm). A specific instruction reads: "add E as soon as you hear it in the marimba". The accompaniment parts are written on a grand staff (treble and bass clefs) and include various rhythmic markings and notes.

Premiere April 4, 2022



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March 28, 2022
