MANTES-LA-JOLIE **A 3 : 217.5 hz**

Principal 16' **jeu de Merklin**

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps						Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	√	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	l/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		7.0	accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**					202.7	1.40	199.9		4752	5182	485	30.0		152.0	45.0	202	1/2	102.0	34	x	frein (rouleau)	4.2	4.4	3.4	4923	171	632.4
2	C#		C#			202.0	1.40	199.2		4435	5192	485	25.0		151.0	43.0	544	1/3	63.0		x	"	4.2	4.6	3.5	4629	194	630.2
3	D		D			186.0	1.30	183.4		4235	4885	500	22.0		139.0	48.0	477	1/3	60.0	50	x	"	4.2	3.8	2.9	4377	142	580.3
4	D#		D#			186.3	1.30	183.7		3930	4885	500	22.0		138.0	45.5	765	1/3	62.0	56	x	"	4.2	4.0	3.0	4113	183	581.2
5	E		E			170.2	1.30	167.6		3710	4775	620	19.0		127.0	35.0	870	1/3	55.0	34	x	"	4.2	4.8	3.6	3892	182	530.6
6	F		F			171.0	1.30	168.4		3490	4770	615	19.0		125.5	32.0	1115	1/3	53.0	33	x	"	4.2	5.3	3.9	3656	166	533.1
7	F#		F#			170.2	1.30	167.6		3260	4770	620	18.0		126.2	36.0	1320	1/3	53.0	47	x	sans frein	4.2	4.7	3.5	3436	176	530.6
8	G		G			170.0	1.30	167.4		3085	4772	620	18.0		124.6	35.5	1517	1/3	52.0	28	x		4.3	4.7	3.5	3228	143	530.0
9	G#	9	9 G#			160.0	1.30	157.4		2905	4630	740	18.0		117.0	31.6	1565	1/3	50.0	26	x		4.3	5.0	3.7	3048	143	498.6
10	A		A			159.0	1.30	156.4		2700	4642	740	16.5		115.5	28.5	1765	1/3	53.0	34	x		4.3	5.5	4.1	2864	164	495.4
11	A#		A#			159.5	1.20	157.1		2570	4635	740	13.0		116.7	32.6	1940	1/3	50.0	29	x	rustines	4.3	4.8	3.6	2687	117	497.3
12	B		B			159.8	1.20	157.4		2360	4650	740	14.0		117.0	33.6	2112	1/3	50.0	34	x		4.3	4.7	3.5	2521	161	498.3
13	**C2**		C			147.8	1.20	145.4		2240	3543	510	15.0		107.5	29.6	1137	1/3	44.0	47	x		4.3	4.9	3.6	2385	145	460.6
14	C#		C#			147.5	1.20	145.1		2060	3535	510	13.6		108.5	29.4	1274	1/3	46.0	25	x		4.2	4.9	3.7	2238	178	459.6
15	D		D			126.5	1.20	124.1		2020	3530	475	11.0		94.0	26.5	1390	1/3	40.0	29	x		4.2	4.7	3.5	2133	113	393.6
16	D#		D#			126.3	1.20	123.9		1908	3650	475	11.0		92.8	27.0	1628	1/3	40.0	17	x		4.2	4.6	3.4	2002	94	393.0
17	E		E			115.2	1.10	113.0		1795	3444	435	13.2		86.0	24.5	1532	1/3	37.0	26	x		4.2	4.6	3.5	1896	101	358.5
18	F		F			115.6	1.10	113.4		1700	3477	435	11.0		85.5	24.9	1685	1/3	37.0	24	x		4.2	4.6	3.4	1779	79	359.7
19	F#		F#			105.2	1.10	103.0		1580	3387	400	9.0		77.5	21.6	1685	1/3	32.0	21	x		4.2	4.8	3.6	1685	105	327.0
20	G		G			104.3	1.10	102.1		1475	3398	400	8.0		78.1	21.8	1800	1/3	32.0	17	x		4.2	4.7	3.6	1583	108	324.2
21	G#		intrus			97.8	1.10	95.6		1385	3312	370	11.8		65.8	20.7	1840	1/3	30.0	15	x		4.6	4.6	3.2	1495	110	303.8
22	A		A			95.8	1.00	93.8		1315	3333	365	9.0		70.0	20.7	1925	1/3	30.0	17	x		4.3	4.5	3.4	1405	90	297.8
23	A#		A#			84.3	1.00	82.3		1250	3292	325	7.5		61.7	18.1	1945	1/3	25.0	20	x		4.2	4.5	3.4	1337	87	261.7
24	B		B			84.8	0.90	83.0		1185	3304	325	7.5		62.0	19.0	2040	1/3	28.0		x		4.3	4.4	3.3	1253	68	263.6
25	**C3**	C			C M	97.0	0.70	95.6	*95.6*		1247	235			71.7	16.0	98	1/4	24.0	30	73 x 25	entaille à l'avant	4.2	6.0	4.5	1235	-12	302.5
26	C#							-	*91.8*									-			x		-	-	-	-	-	-
27	D							-	*88.2*									-			x		-	-	-	-	-	-
28	D#	D#			D# M	86.0	0.70	84.6	*84.7*		1051	230	6.3		64.2	17.6	87	1/4	21.7	30	67 x 16	"	4.2	4.8	3.6	1035	-16	268.0
29	E							-	*81.3*									-			x		-	-	-	-	-	-
30	F							-	*78.1*									-			x		-	-	-	-	-	-
31	F#	F#			F# M	75.1	0.70	73.7	*75.0*	716	880	220	8.0	24.0	57.0	13.0	75	1/4	19.5	25	58 x 22	"	4.1	5.7	4.4	868	-12	233.6
32	G							-	*72.0*									-			x		-	-	-	-	-	-
33	G#							-	*69.1*									-			x		-	-	-	-	-	-
34	A	A			A M	68.1	0.70	66.7	*66.4*	611	735	208	5.8	20.7	51.0	11.5	78	1/4	18.0	27	52 x 20	"	4.2	5.8	4.4	726	-9	211.8
35	A#							-	*63.7*									-			x		-	-	-	-	-	-
36	B							-	*61.2*									-			x		-	-	-	-	-	-
37	**C4**	C			C M	60.4	0.75	58.9	*58.8*	492	612	205	6.2	20.0	46.0	11.0	59	1/4	15.0	22	50 x 12	entaille à l'arrière	4.1	5.4	4.2	608	-4	187.3
38	C#							-	*56.4*									-			x		-	-	-	-	-	-
39	D							-	*54.2*									-			x		-	-	-	-	-	-
40	D#	D#			D# M	53.6	0.75	52.1	*52.0*	416	516	205	5.5	19.5	40.0	9.0	53	1/4	13.0	22	43 x 17	"	4.1	5.8	4.4	509	-7	165.9
41	E							-	*50.0*									-			x		-	-	-	-	-	-
42	F							-	*48.0*									-			x		-	-	-	-	-	-
43	F#	F#			F# M	46.9	0.60	45.7	*46.1*	349	430	205	5.5	16.0	35.0	7.8	46.5	1/4	11.5	20	37 x 15	"	4.2	5.9	4.5	427	-3	145.5
44	G							-	*44.3*									-			x		-	-	-	-	-	-
45	G#							-	*42.5*									-			x		-	-	-	-	-	-
46	A	A			A M	41.7	0.70	40.3	*40.8*	288	363	202	4.7	15.0	31.0	7.0	41.5	1/4	11.0	20	32 x 13	"	4.2	5.8	4.4	357	-6	128.9
47	A#							-	*39.2*									-			x		-	-	-	-	-	-
48	B							-	*37.6*									-			x		-	-	-	-	-	-
49	**C5**	C#			C M	36.9	0.65	35.6	*36.1*	247	304	203	5.0	15.0	28.0	5.8	37	1/4	9.0	17	31 x 12	"	4.1	6.1	4.8	299	-5	114.0
50	C#							-	*34.7*									-			x		-	-	-	-	-	-
51	D							-	*33.3*									-			x		-	-	-	-	-	-
52	D#	D#			D# M	33.0	0.60	31.8	*32.0*	200	255	204	4.3	13.0	25.0	5.0	33.5	1/4	8.6	19	26 x 10	"	4.1	6.4	5.0	250	-5	101.7
53	E							-	*30.7*									-			x		-	-	-	-	-	-
54	F							-	*29.5*									-			x		-	-	-	-	-	-
55	F#	F#			F# M	29.9	0.60	28.7	*28.3*	159	214	198	4.0	13.0	22.0	5.0	30	1/4	7.0	18	23 x 10	"	4.2	5.7	4.4	208	-6	91.9
56	G							-	*27.2*									-			x		-	-	-	-	-	-

NOTES : C1 : épaisseur métal > biseau = 8 mm à 3.3 mm à l'avant, sabot = 2.8 mm, pied = 1.6 mm.

MANTES-LA-JOLIE

A 3 = 435.0 hz

Bourdon 16'

Daublaine, transformé par Merklin

Alliage	Corps	Pieds
☐martelé	-	-

G.O.		Marques		Corps							Pied			Bouche				Cheminée		Calotte		Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long	Long.	Ø	Ø ext.	Larg.	Haut.		Ep	Long.	Ø	Marque	Haut.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps		métal		int.	int.	bloc	totale		ouv.	bas		dem.	origine	couv.								/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**				21.00	220.9	213	180	119	2585	100	26.0		179.0	47.0	36.0	28						x		#####	4.7	3.8	2664	79	-
2	C#					-																	x		-	-	-	-	-	-
3	D					-																	x		-	-	-	-	-	-
4	D#				20.00	185.4	180	150	127	2200	100	27.0		148.0	44.0		30						x		#####	4.2	3.4	2244	44	-
5	E					-																	x		-	-	-	-	-	-
6	F					-																	x		-	-	-	-	-	-
7	F#				19.00	162.7	160	130	117	1875	100	30.0		128.0	37.0		30						x		#####	4.4	3.5	1891	16	-
8	G					-																	x		-	-	-	-	-	-
9	G#					-																	x		-	-	-	-	-	-
10	A				16.00	137.4	136	109	108	1605	100	25.0		107.0	30.0		23						x		#####	4.6	3.6	1590	-15	-
11	A#					-																	x		-	-	-	-	-	-
12	B					-																	x		-	-	-	-	-	-
13	**C2**				15.00	117.2	116	93	103	1308	1000	24.0		92.0	26.0		24						x		#####	4.5	3.5	1340	32	-
14	C#					-																	x		-	-	-	-	-	-
15	D					-																	x		-	-	-	-	-	-
16	D#				13.00	103.8	102	83	100	1137	100	18.0		82.0	23.0		24						x		#####	4.5	3.6	1127	-10	-
17	E					-																	x		-	-	-	-	-	-
18	F					-																	x		-	-	-	-	-	-
19	F#				12.00	93.1	92	74	97	970	100	20.0		74.0	20.0		25						x		#####	4.7	3.7	949	-21	-
20	G					-																	x	Merklin	-	-	-	-	-	-
21	G#					-																	x	"	-	-	-	-	-	-
22	A				13.00	80.4	77	66	72	838	100	19.0		66.0	25.0	20.0	25						x	"	#####	3.2	2.6	803	-35	-
23	A#					-																	x	"	-	-	-	-	-	-
24	B				13.00	73.1	70	60	74	760	113	20.0		61.0	22.0	19.0	25						x	"	#####	3.3	2.8	718	-42	-
25	**C3**		C B16	72.5	0.70	71.1				563	220	8.0		56.0	24.7						72	30	47 x 22		4.0	2.9	2.3	538	-25	225.6
26	C#					-																	x		-	-	-	-	-	-
27	D					-																	x		-	-	-	-	-	-
28	D#		D# B16	67.0	0.70	65.6				453	205	6.8		52.5	21.7						73		50 x 25		4.0	3.0	2.4	442	-11	208.3
29	E					-																	x		-	-	-	-	-	-
30	F					-																	x		-	-	-	-	-	-
31	F#		F# B16	58.0	0.65	56.7				365	205	6.6		43.0	18.0						57		42 x 18		4.2	3.2	2.4	369	4	180.2
32	G					-																	x		-	-	-	-	-	-
33	G#					-																	x		-	-	-	-	-	-
34	A		A B16	53.5	0.65	52.2				304	208	6.2		38.5	14.2						53	20	38 x 19		4.3	3.7	2.7	303	-1	166.0
35	A#					-																	x		-	-	-	-	-	-
36	B		B B16	50.0	0.65	48.7				266													x		-	-	-	266	0	155.0
37	**C4**		C B16	48.0	0.65	46.7				268	205	6.4		34.7	14.5			83	11.6		50	20	34 x 18		4.3	3.2	2.4	267	-1	148.8
38	C#					-																	x		-	-	-	-	-	-
39	D					-																	x		-	-	-	-	-	-
40	D#		D# B16	42.0	0.60	40.8				223	205	5.0		30.6	11.0			73	10.6		46	15	32 x 18		4.3	3.7	2.8	223	0	130.1
41	E					-																	x		-	-	-	-	-	-
42	F					-																	x		-	-	-	-	-	-
43	F#		F# B16	38.6	0.60	37.4				183	205	5.0		28.8	9.2			68	9.9		36	15	28 x 14		4.1	4.1	3.1	183	0	119.4
44	G					-																	x		-	-	-	-	-	-
45	G#					-																	x		-	-	-	-	-	-
46	A		A B16	36.5	0.60	35.3				151	205	4.5		26.0	9.6			57	9.8		37	15	25 x 13		4.3	3.7	2.7	149	-2	112.8
47	A#					-																	x		-	-	-	-	-	-
48	B					-																	x		-	-	-	-	-	-
49	**C5**		C B16	34.0	0.60	32.8				121	205	3.5		25.2	8.9			52	9.3		35	15	25 x 13		4.2	3.7	2.8	121	0	104.9
50	C#					-																	x		-	-	-	-	-	-
51	D					-																	x		-	-	-	-	-	-
52	D#		D# B16	31.5	0.55	30.4				95	205	3.8		21.6	7.5			46	7.5		28	15	22 x 13		4.5	4.1	2.9	98	3	97.2
53	E					-																	x		-	-	-	-	-	-
54	F					-																	x		-	-	-	-	-	-
55	F#		F# B16	29.2	0.55	28.1				76	205	4.4		21.5	5.5			44	7.5		28	12	20 x 12		4.2	5.1	3.9	79	3	90.0
56	G					-																	x		-	-	-	-	-	-

MANTES-LA-JOLIE

Montre 8'

A 3 : 435.0 hz

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps					Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas								/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	façade	C			142.3	1.20	139.9	2300	2818	450	12.8		107.7	30.4			29	72 x 16		4.1	4.6	3.5	2535	235	443.3
2	C#	façade	C#			126.8	1.20	124.4	2155	2630	505	8.8		94.9	26.7			27	66 x 14		4.2	4.7	3.6	2398	243	394.6
3	D	façade	D			126.6	1.20	124.2	2045	2653	505	12.2		96.2	27.7			28	x		4.1	4.5	3.5	2259	214	394.0
4	D#	façade	33			113.5	1.20	111.1	1950	2430	560			85.0	24.2			26	62 x 15		4.2	4.6	3.5	2136	186	352.8
5	E	façade	E			113.3	1.20	110.9	1820	2422	560	8.5		86.0	24.7			24	61 x 17		4.1	4.5	3.5	2012	192	352.2
6	F	façade	F			101.5	1.20	99.1	1753	2210	615	9.0		75.3	21.6			24	x		4.2	4.6	3.5	1903	150	315.1
7	F#	façade	F#			101.0	1.20	98.6	1607	2217	615	9.0		76.0	22.0			23	57 x 13		4.1	4.5	3.5	1792	185	313.5
8	G	façade	(démontage A1)			99.8	1.20	97.4	1512	2127	455	8.3		73.4	21.4			22	x		4.2	4.6	3.4	1689	177	309.8
9	G#	façade	D#			90.0	1.10	87.8	1280	1970	665	8.0		66.6	19.3			22	x	A# à l'origine	4.2	4.5	3.5	1597	317	279.3
10	A	façade	(démontage G1)			90.2	1.10	88.0	1347	1970	665	6.7		67.2	15.7			22	53 x 14	bouche baissée	4.2	5.6	4.3	1504	157	279.9
11	A#	façade				87.5	1.00	85.5	1425	2073	510	7.0		64.0	19.7			22	x	G# à l'origine	4.2	4.3	3.2	1418	-7	271.7
12	B	façade				87.4	1.00	85.4	1205	2102	510	9.0		65.4	18.6			18	x		4.2	4.6	3.5	1335	130	271.4
13	**C2**	C			C M	97.0	1.00	95.0		1248	250	-		72.0	19.0	98	23.5	30	74 x 16	entaille à l'avant	4.2	5.0	3.8	1251	3	301.6
14	C#							-											x	"	-	-	-	-	-	-
15	D							-											x	"	-	-	-	-	-	-
16	D#	D#			D# M	86.0	0.80	84.4	889	1051	230	8.0	22.0	64.0	14.6	86	21.5	30	67 x 23	"	4.2	5.8	4.4	1049	-2	267.7
17	E							-											x	"	-	-	-	-	-	-
18	F							-											x	"	-	-	-	-	-	-
19	F#	F#			F# M	75.8	0.75	74.3	742	879	220	7.5	21.0	58.0	14.0	75	18.5	31	69 x 17	"	4.1	5.3	4.1	879	0	235.9
20	G							-											x	"	-	-	-	-	-	-
21	G#							-											x	"	-	-	-	-	-	-
22	A	A			A M	68.4	0.75	66.9	617	742	210	7.0	22.5	51.0	12.5	69	17.0	26	51 x 15	entaille à l'arrière	4.2	5.3	4.1	737	-5	212.4
23	A#							-											x	"	-	-	-	-	-	-
24	B							-											x	"	-	-	-	-	-	-
25	**C3**	C			C M	60.4	0.80	58.8	502	622	205	6.3	20.0	44.0	10.5	60	15.0	26	50 x 15	"	4.3	5.6	4.2	617	-5	187.3
26	C#							-											x	"	-	-	-	-	-	-
27	D							-											x	"	-	-	-	-	-	-
28	D#	D#			D# M	54.2	0.70	52.8	426	522	204	7.7	19.2	42.0	9.0	53	13.0	25	43 x 14	"	4.0	5.9	4.7	517	-5	168.0
29	E							-											x	"	-	-	-	-	-	-
30	F							-											x	"	-	-	-	-	-	-
31	F#	F#			F# M	47.8	0.75	46.3	351	436	202	6.0	15.0	36.0	9.0	47	12.0	21	37 x 10	"	4.1	5.1	4.0	433	-3	147.9
32	G							-											x	"	-	-	-	-	-	-
33	G#							-											x	"	-	-	-	-	-	-
34	A	A#			A M	42.3	0.65	41.0	297	368	205	8.2	16.0	32.0	7.0	42	11.0	17	32 x 9	"	4.1	5.9	4.6	363	-5	130.8
35	A#							-											x	"	-	-	-	-	-	-
36	B							-											x	"	-	-	-	-	-	-
37	**C4**	C#			C M	36.4	0.55	35.3	247	309	200	5.0	15.0	28.0	6.0	36	9.0	18	32 x 10	"	4.0	5.9	4.7	305	-4	112.6
38	C#							-											x	"	-	-	-	-	-	-
39	D							-											x	"	-	-	-	-	-	-
40	D#	D#			D# M	33.3	0.65	32.0	201	257	205	5.3	13.5	24.0	5.0	38	8.0	16	26 x 9	"	4.3	6.4	4.8	255	-2	102.5
41	E							-											x	"	-	-	-	-	-	-
42	F							-											x	"	-	-	-	-	-	-
43	F#	F#			F# M	30.9	0.65	29.6	164	214	200	5.0	12.7	22.0	5.0	30	8.0	15	23 x 14	"	4.3	5.9	4.4	212	-2	95.0
44	G							-											x	"	-	-	-	-	-	-
45	G#							-											x	"	-	-	-	-	-	-
46	A	A			A M	27.9	0.60	26.7	132	180	196	4.0	11.5	20.0	4.5	27	7.0	14	18 x 11	"	4.3	5.9	4.4	177	-3	85.8
47	A#							-											x	"	-	-	-	-	-	-
48	B							-											x	"	-	-	-	-	-	-
49	**C5**	C			C M	24.1	0.55	23.0	113	151	198	6.3	12.0	17.0	4.0	23	6.0	19	17 x 10	"	4.3	5.7	4.3	149	-2	73.9
50	C#							-											x	"	-	-	-	-	-	-
51	D							-											x	"	-	-	-	-	-	-
52	D#	D#			D# M	21.2	0.40	20.4	91	126	195	4.4	10.8	15.0	3.6	21.5	5.0	10	15 x	"	4.4	5.7	4.2	124	-2	65.4
53	E							-											x	"	-	-	-	-	-	-
54	F							-											x	"	-	-	-	-	-	-
55	F#	F#			F# M	20.3	0.55	19.2		105	195	4.5	10.0	15.0	3.0	18	5.0	11	15 x 10	"	4.1	6.4	5.0	103	-2	62.0
56	G							-											x	"	-	-	-	-	-	-

MANTES-LA-JOLIE

Bourdon 8'

A 3 = **435.0 hz**

Alliage	Corps	Pieds
☐ martelé		-

G.O.		Marques				Corps								Pied			Bouche			Cheminée		Calotte		Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Ep	Long.	Ø	Marque	Haut.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		int.	int.	bloc	accord	totale		ouv.	bas			couv.								/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**						16.00	116.0	110	96	92		1265	100	22.0		95.0	32.0	25						x		#####	3.6	3.0	1341	76	-
2	C#							-																	x		-	-	-	-	-	-
3	D							-																	x		-	-	-	-	-	-
4	D#						17.00	103.6	98	86	93		1070	100	21.0		85.0	31.0	26						x		#####	3.3	2.7	1134	64	-
5	E							-																	x		-	-	-	-	-	-
6	F							-																	x		-	-	-	-	-	-
7	F#						14.00	92.8	89	76	73		905	100	20.0		76.0	24.0	24						x		#####	3.9	3.2	953	48	-
8	G							-																	x		-	-	-	-	-	-
9	G#							-																	x		-	-	-	-	-	-
10	A						14.00	86.1	82	71	74		780	104	19.0		69.0	22.0	25						x		#####	3.9	3.1	805	25	-
11	A#							-																	x		-	-	-	-	-	-
12	B						15.00	82.2	78	68	72		706	103	15.0		67.0	21.0	25						x		#####	3.9	3.2	721	15	-
13	**C2**	C2	2		C	70.8	0.80	69.2					552	205	7.3		53.8	22.7					70	25	50 x 25		4.1	3.0	2.4	541	-11	219.9
14	C#							-																	x		-	-	-	-	-	-
15	D							-																	x		-	-	-	-	-	-
16	D#	D#			D#	62.5	0.80	60.9					463	202	7.6		46.7	19.0					59	22	43 x 21		4.2	3.2	2.5	450	-13	193.8
17	E							-																	x		-	-	-	-	-	-
18	F							-																	x		-	-	-	-	-	-
19	F#	F#			F#	56.3	0.70	54.9					380		6.2		40.5	16.8					51	18	38 x 19		4.3	3.3	2.4	372	-8	174.7
20	G							-																	x		-	-	-	-	-	-
21	G#							-																	x		-	-	-	-	-	-
22	A	A			A	50.2	0.60	49.0					308		5.7		38.4	14.5					47	18	37 x 19		4.1	3.4	2.6	308	0	155.8
23	A#							-																	x		-	-	-	-	-	-
24	B	B			B	49.4	0.60	48.2									36.0	14.2							x		4.3	3.4	2.5	-	-	153.3
25	**C3**	C2			C	46.5	0.60	45.3					283	202	5.9		34.6	14.0		94	13.7		47	16	31 x 16		4.2	3.2	2.5	270	-13	144.2
26	C#							-																	x		-	-	-	-	-	-
27	D							-																	x		-	-	-	-	-	-
28	D#	D#			D#	42.1	0.60	40.9					227	200	6.2		30.1	11.8		95	13.1		42	16	28 x 14		4.3	3.5	2.6	224	-3	130.4
29	E							-																	x		-	-	-	-	-	-
30	F							-																	x		-	-	-	-	-	-
31	F#	F#			F#	38.3	0.70	36.9					184	200	5.3		27.3	11.1		86	12.4		34	15	27 x 13		4.3	3.3	2.5	185	1	118.1
32	G							-																	x		-	-	-	-	-	-
33	G#							-																	x		-	-	-	-	-	-
34	A	A			A	34.0	0.60	32.8					153	200	5.7		26.9	10.5		85	11.7		30	15	24 x 13		3.9	3.1	2.6	153	0	104.9
35	A#							-																	x		-	-	-	-	-	-
36	B							-																	x		-	-	-	-	-	-
37	**C4**	C2			C	30.0	0.70	28.6					125	198	4.3		22.5	8.5		75	10.8		30	15	22 x 11		4.1	3.4	2.6	127	2	92.0
38	C#							-																	x		-	-	-	-	-	-
39	D							-																	x		-	-	-	-	-	-
40	D#	D#			D#	27.5	0.60	26.3					105	198	4.0		20.5	8.6		60	9.1		27	14	17 x 10		4.1	3.1	2.4	104	-1	84.5
41	E							-																	x		-	-	-	-	-	-
42	F							-																	x		-	-	-	-	-	-
43	F#	F#			F#	25.2	0.65	23.9					86	197	4.0		18.5	7.0		53	9.2		22	12	17 x 9		4.2	3.4	2.6	85	-1	77.1
44	G							-																	x		-	-	-	-	-	-
45	G#							-																	x		-	-	-	-	-	-
46	A	A			A	23.7	0.50	22.7					68	195	3.6		16.4	6.6		47	8.2		19	12	17 x 9		4.4	3.4	2.5	68	0	72.9
47	A#							-																	x		-	-	-	-	-	-
48	B							-																	x		-	-	-	-	-	-
49	**C5**	C2			C	21.2	0.50	20.2					56	195	3.3		15.0	5.9		42	8.0		18	12	16 x 8		4.3	3.4	2.5	56	0	65.0
50	C#							-																	x		-	-	-	-	-	-
51	D							-																	x		-	-	-	-	-	-
52	D#							-																	x		-	-	-	-	-	-
53	E							-																	x		-	-	-	-	-	-
54	F							-																	x		-	-	-	-	-	-
55	F#	F#			F#	18.2	0.50	17.2					33	195	3.6		13.7	5.0		33	7.5		16	12	16 x 8		4.1	3.4	2.7	36	3	55.6
56	G							-																	x		-	-	-	-	-	-

MANTES-LA-JOLIE **A 3 =** **435.0 hz**

Flûte harmonique 8'

Lg théo -5/6 du Ø int. Lg théo - 7/5 du Ø int.

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps												Pied			Bouche			Entaille			Dents	Oreilles	Observations	Bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.			Long	Ht trou	Trou	Long.	Ø	Ø ext.	Larg.	Haut.	Ep	Pos.	l/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		Int.	int.	bloc	tot calc			totale	calculé	harm.		ouv.	bas			couv.	(L)						/ larg.	/ haut	/ haut.	calculée	rallonge	Rallonge
1	C1						15.00	143.0	146	110	141	2388	2022	2384	2525			118	21.0		114.0	30.0		(213)	1/6	25		x		-0.4	4.8	3.8	2388	4	-47.1
2	C#							-				-																x		-	-	-	-	-	-
3	D							-				-																x		-	-	-	-	-	-
4	D#						14.00	129.6	132	100	130	1993	1661	1992	2122			98	20.0		102.0	27.0	17	(198)	1/5	27		x		-0.4	4.8	3.8	1993	1	-44.0
5	E							-				-																x		-	-	-	-	-	-
6	F							-				-																x		-	-	-	-	-	-
7	F#						13.00	108.5	110	84	120	1677	1444	1670	1790			120	18.0		85.0	21.0	14	(142)	1/4	26		x		-0.5	5.2	4.0	1677	7	-40.8
8	G							-				-																x		-	-	-	-	-	-
9	G#							-				-																x		-	-	-	-	-	-
10	A						13.00	102.3	104	79	110	1477	1146	1400	1510			120	16.0		80.0	22.0		(145)	1/4	25		x		-0.5	4.6	3.6	1391	-9	-40.8
11	A#							-				-																x		-	-	-	-	-	-
12	B						12.00	92.3	93	72	105	1314	1044	1240	1345			118	14.0		71.0	18.0	17	(135)	1/4	24.0		x		-0.5	5.1	3.9	1237	-3	-37.7
13	C2	C			C M	82.4	0.75	80.9				1246		1244	1244			210	7.0	21.0	61.0	17.0		83	1/6	14.0	29	55 x 32	entaille à l'avant	4.2	4.8	3.6	1245	-1	256.5
14	C#							-				-																x		-	-	-	-	-	-
15	D							-				-																x	étiquette + C prestant 4P 56N	-	-	-	-	-	-
16	D#	C' D# C	D# Fl 8			81.2	0.70	79.8				1038		1039	1039			225	8.3	25.5	62.0	17.0		83	1/6	13.5	30	59 x 29	+ C prestant 34 note ton bas M	4.1	4.7	3.6	1037	-1	253.0
17	E							-				-																x		-	-	-	-	-	-
18	F							-				-																x		-	-	-	-	-	-
19	F#	C#	F M 8 F# Fl 8		C# P	74.0	0.75	72.5				868		863	863			215	7.0	22.5	58.0	14.0		74	1/6	12.0	36	57 x 17		4.0	5.2	4.1	868	-1	230.2
20	G							-				-																x		-	-	-	-	-	-
21	G#							-				-																x		-	-	-	-	-	-
22	A	D P A	A Fl 8			72.5	0.75	71.0				722		717	717			205	10.7	24.4	55.0	15.0		73	1/6	12.0	26	55 x 13		4.1	4.7	3.7	721	-1	225.3
23	A#							-				-																x		-	-	-	-	-	-
24	B							-				-																x		-	-	-	-	-	-
25	C3	C	C Fl 8			64.5	0.70	63.1				604		603	603			210	7.1	21.0	50.0	13.0		65	1/6	10.0	25	48 x 15		4.0	4.9	3.8	604	-1	200.3
26	C#							-				-																x		-	-	-	-	-	-
27	D							-				-																x		-	-	-	-	-	-
28	D#	D#	D# Fl 8			57.6	0.70	56.2				505		502	502			204	6.2	20.0	49.0	12.0		58	1/6	9.0	25	42 x 19		3.6	4.7	4.1	505	-1	178.8
29	E							-				-																x		-	-	-	-	-	-
30	F							-				-																x		-	-	-	-	-	-
31	F#	F#	F# Fl 8			55.5	0.55	54.4				419		416	416			200	7.9	18.0	40.0	10.0		56	1/6	9.0	20	39 x 17	trou harm. rebouché	4.3	5.4	4.0	419	0	172.5
32	G							-				-																x		-	-	-	-	-	-
33	G#							-				-																x		-	-	-	-	-	-
34	A	A	A Fl 8			53.8	0.55	52.7				347		347	347			198	6.0	18.0	40.0	10.0		54	1/6	9.0	21	35 x 18	trou harm. rebouché	4.2	5.3	4.0	346	0	167.3
35	A#							-				-																x		-	-	-	-	-	-
36	B	B	B Fl 8			51.5	0.55	50.4				306		303	303			197	6.7		39.5	9.5		51		8.3		36 x 18		4.1	5.3	4.2	305	0	160.1
37	C4	Manquant		NEUF		54.0	0.65	52.7				613		613	613	*255*	258	205			41.0	9.0		50	1/6	8.7		x	Manquant	4.1	5.9	4.6	612	-1	167.6
38	C#		intrus			51.4	0.70	50.0				578		574	574	*240*	243											x		-	-	-	578	-1	159.3
39	D					50.2	0.65	48.9				544		542	542	*224*	229	203			50.0							x		3.1	-	#####	544	-1	155.7
40	D#	D# R	D# Fl 8 r R			48.4	0.60	47.2				513		508	508	*210*	210	203	6.0	16.0	35.0	8.0		47	1/6	8.0	23	38 x 18	bouche baissée	4.3	5.9	4.4	512	-1	150.1
41	E							-				-				-												x		-	-	-	-	-	-
42	F							-				-				-												x		-	-	-	-	-	-
43	F#	F# R	F# Fl 8 r			40.2	0.60	39.0				432		430	430	*178*	181	197	7.0	14.0	30.0	7.0		40	1/7	6.0	18	29 x 15	rallonge 165mm	4.2	5.6	4.3	431	-1	124.5
44	G							-				-				-												x		-	-	-	-	-	-
45	G#							-				-				-												x		-	-	-	-	-	-
46	A	D# n a R	A Fl 8 r R			34.9	0.75	33.4				363		364	364	*148*	153	200	5.0	12.8	25.0	6.0		34	1/6	6.0	15	25 x 13	rallonge 165mm	4.3	5.6	4.2	362	-1	107.3
47	A#							-				-				-												x		-	-	-	-	-	-
48	B							-				-				-												x		-	-	-	-	-	-
49	C5	C B R	C Fl 8 R			30.5	0.65	29.2				304		304	304	*123*	124	203	4.7	11.0	23.0	5.2		30	1/5	5.5	15	23 x 12	rallonge139mm	4.1	5.6	4.4	303	-1	93.7
50	C#							-				-				-												x		-	-	-	-	-	-
51	D							-				-				-												x		-	-	-	-	-	-
52	D#	D#	D# F			27.8	0.65	26.5				254		252	252	*101*	103	195	4.5	12.0	20.0	5.0		27	1/6	4.5	15	19 x 11		4.3	5.3	4.0	253	-1	85.3
53	E							-				-				-												x		-	-	-	-	-	-
54	F							-				-				-												x		-	-	-	-	-	-
55	F#	F#	F# F			22.8	0.65	21.5				214		213	213	*86*	87	192	5.6	11.0	16.0	4.0		23	1/5	4.0	13	15 x 10		4.3	5.4	4.0	214	-1	69.5
56	G							-				-				-												x		-	-	-	-	-	-

sur D#2 Flute harmonique de 8' récit Rouen + C prestant 34 note ton bas Montpellier (inscription peu lisible)

MANTES-LA-JOLIE

Gambe 8'

A 3 : 435.0 hz

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps						Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	√	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	l/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		6.5	accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**					77.0	1.00	75.0	*75.0*		2566	255	9.0	25.0	55.5	15.0	75.0	1/4	18.8		37 x 21		4.3	5.0	3.7	2566	0	238.8
2	C#					74.2	1.00	72.2	*72.1*		2420				53.4	14.4	72.2	1/4	18.0		x		4.3	5.0	3.7	2420	0	229.8
3	D					71.4	1.00	69.4	*69.4*		2284				51.4	13.9	69.4	1/4	17.4		x		4.3	5.0	3.7	2284	0	221.2
4	D#					68.8	1.00	66.8	*66.7*		2154	235	8.2	22.0	49.5	13.4	66.8	1/4	16.7		36 x 20		4.3	5.0	3.7	2154	0	212.9
5	E					66.2	1.00	64.2	*64.2*		2032				47.7	12.8	64.2	1/4	16.1		x		4.3	5.0	3.7	2032	0	204.9
6	F					63.8	1.00	61.8	*61.7*		1917				45.9	12.4	61.8	1/4	15.4		x		4.3	5.0	3.7	1917	0	197.2
7	F#					61.4	0.90	59.6	*59.4*		1809	215	7.2	19.0	44.2	12.2	59.6	1/4	14.9		32 x 19		4.3	4.9	3.6	1809	0	190.1
8	G					59.2	0.90	57.4	*57.1*		1706				42.6	11.7	57.4	1/4	14.3		x		4.3	4.9	3.6	1706	0	183.0
9	G#					57.0	0.90	55.2	*54.9*		1609				41.0	11.3	55.2	1/4	13.8		x		4.3	4.9	3.6	1609	0	176.1
10	A					54.9	0.90	53.1	*52.8*		1518	200	7.2	16.0	39.4	10.8	53.1	1/4	13.3		26 x 17		4.3	4.9	3.6	1518	0	169.5
11	A#					52.8	0.90	51.0	*50.8*		1432				37.9	10.4	51.0	1/4	12.8		x		4.3	4.9	3.6	1432	0	163.2
12	B					50.9	0.90	49.1	*48.8*		1351				36.5	10.0	49.1	1/4	12.3		x		4.3	4.9	3.6	1351	0	157.0
13	**C2**					49.0	0.80	47.4	*47.0*		1274	200	6.0		35.2	9.9	47.4	1/4	11.9		24 x 16		4.3	4.8	3.6	1274	0	151.4
14	C#					47.2	0.80	45.6	*45.2*		1202				33.9	9.5	45.6	1/4	11.4		x		4.3	4.8	3.6	1202	0	145.7
15	D					45.4	0.80	43.8	*43.4*		1134				32.6	9.1	43.8	1/4	11.0		x		4.3	4.8	3.6	1134	0	140.1
16	D#					43.7	0.80	42.1	*41.8*		1070	200	5.6		31.3	8.8	42.1	1/4	10.5		21 x 14		4.3	4.8	3.6	1070	0	134.8
17	E					42.1	0.80	40.5	*40.2*		1009				30.1	8.4	40.5	1/4	10.1		x		4.3	4.8	3.6	1009	0	129.6
18	F					40.5	0.80	38.9	*38.7*		952				29.0	8.1	38.9	1/4	9.7		x		4.3	4.8	3.6	952	0	124.7
19	F#					39.0	0.70	37.6	*37.2*		898		5.3		28.0	8.0	37.6	1/4	9.4		21 x 14		4.3	4.7	3.5	898	0	120.2
20	G					37.5	0.70	36.1	*35.8*		847				26.9	7.7	36.1	1/4	9.0		x		4.3	4.7	3.5	847	0	115.7
21	G#					36.1	0.70	34.7	*34.4*		799				25.9	7.4	34.7	1/4	8.7		x		4.3	4.7	3.5	799	0	111.2
22	A					34.8	0.70	33.4	*33.1*		753		4.5		24.9	7.1	33.4	1/4	8.3		18 x 13		4.3	4.7	3.5	753	0	107.0
23	A#					33.5	0.70	32.1	*31.8*		710				23.9	6.8	32.1	1/4	8.0		x		4.3	4.7	3.5	710	0	102.9
24	B					32.2	0.70	30.8	*30.6*		670				23.0	6.6	30.8	1/4	7.7		x		4.3	4.7	3.5	670	0	99.0
25	**C3**					31.0	0.65	29.7	*29.4*		632		4.6		22.2	6.5	29.7	1/4	7.4		15 x 11		4.3	4.6	3.4	632	0	95.3
26	C#					29.9	0.65	28.6	*28.3*		596				21.4	6.2	28.6	1/4	7.1		x		4.3	4.6	3.4	596	0	91.9
27	D					28.8	0.65	27.5	*27.2*		562				20.6	6.0	27.5	1/4	6.9		x		4.3	4.6	3.4	562	0	88.5
28	D#					27.8	0.65	26.5	*26.2*		530		3.8		19.8	5.8	26.5	1/4	6.6		13 x 10		4.3	4.6	3.4	530	0	85.2
29	E					26.8	0.65	25.5	*25.2*		500				19.1	5.5	25.5	1/4	6.4		x		4.3	4.6	3.4	500	0	82.1
30	F					25.8	0.65	24.5	*24.2*		471				18.4	5.3	24.5	1/4	6.1		x		4.3	4.6	3.4	471	0	79.1
31	F#					24.9	0.60	23.7	*23.3*		444		3.4		17.8	5.3	23.7	1/4	5.9		12 x 8		4.3	4.5	3.4	444	0	76.3
32	G					24.0	0.60	22.8	*22.4*		419				17.1	5.1	22.8	1/4	5.7		x		4.3	4.5	3.4	419	0	73.5
33	G#					23.1	0.60	21.9	*21.5*		395				16.5	4.9	21.9	1/4	5.5		x		4.3	4.5	3.4	395	0	70.8
34	A					22.3	0.60	21.1	*20.7*		373		3.5		15.9	4.7	21.1	1/4	5.3		12 x 8		4.3	4.5	3.4	373	0	68.2
35	A#					21.5	0.60	20.3	*19.9*		351				15.3	4.5	20.3	1/4	5.1		x		4.3	4.5	3.4	351	0	65.7
36	B					20.7	0.60	19.5	*19.2*		331				14.7	4.3	19.5	1/4	4.9		x		4.3	4.5	3.4	331	0	63.3
37	**C4**					20.0	0.55	18.9	*18.4*		312				14.2	4.4	18.9	1/4	4.7		x		4.3	4.3	3.2	312	0	61.1
38	C#					19.2	0.55	18.1	*17.7*		295				13.6	4.2	18.1	1/4	4.5		x		4.3	4.3	3.2	295	0	58.7
39	D					18.5	0.55	17.4	*17.0*		278				13.1	4.0	17.4	1/4	4.3		x		4.3	4.3	3.2	278	0	56.4
40	D#					17.8	0.55	16.7	*16.4*		262		3.0		12.6	3.9	16.7	1/4	4.2		12 x 8		4.3	4.3	3.2	262	0	54.1
41	E					17.1	0.55	16.0	*15.8*		247				12.1	3.7	16.0	1/4	4.0		x		4.3	4.3	3.2	247	0	52.0
42	F					16.4	0.55	15.3	*15.2*		233				11.6	3.6	15.3	1/4	3.8		x		4.3	4.3	3.3	233	0	49.9
43	F#					15.8	0.50	14.8	*14.6*		220				11.2	3.6	14.8	1/4	3.7		x		4.3	4.1	3.1	220	0	48.1
44	G					15.2	0.50	14.2	*14.0*		207		2.3		10.7	3.5	14.2	1/4	3.6		12 x 8		4.3	4.1	3.1	207	0	46.2
45	G#					14.6	0.50	13.6	*13.5*		195				10.3	3.3	13.6	1/4	3.4		x		4.3	4.1	3.1	195	0	44.4
46	A					14.1	0.50	13.1	*13.0*		184		2.3		9.9	3.2	13.1	1/4	3.3		12 x 7		4.3	4.1	3.1	184	0	42.6
47	A#					13.5	0.50	12.5	*12.5*		174				9.5	3.1	12.5	1/4	3.1		x		4.3	4.1	3.1	174	0	40.9
48	B					13.0	0.50	12.0	*12.0*		164		2.0		9.1	2.9	12.0	1/4	3.0		12 x 7		4.3	4.1	3.1	164	0	39.3
49	**C5**					12.5	0.45	11.6	*11.5*		154				8.8	3.0	11.6	1/4	2.9		x		4.3	3.9	3.0	154	0	37.9
50	C#					12.0	0.45	11.1	*11.1*		145				8.5	2.9	11.1	1/4	2.8		x		4.3	3.9	3.0	145	0	36.3
51	D					11.6	0.45	10.7	*10.7*		137		2.0		8.1	2.7	10.7	1/4	2.7		12 x 7		4.3	3.9	3.0	137	0	34.9
52	D#					11.1	0.45	10.2	*10.3*		129				7.8	2.6	10.2	1/4	2.6		x		4.3	3.9	3.0	129	0	33.5
53	E					10.7	0.45	9.8	*9.9*		122				7.5	2.5	9.8	1/4	2.4		x		4.3	3.9	3.0	122	0	32.2
54	F					10.3	0.45	9.4	*9.5*		115				7.2	2.4	9.4	1/4	2.3		x		4.3	3.9	3.0	115	0	30.9
55	F#					9.9	0.45	9.0	*9.1*		108				6.9	2.3	9.0	1/4	2.2		x		4.3	3.9	3.0	108	0	29.6
56	G					9.5	0.45	8.6	*8.8*		102		2.3		6.6	2.2	8.6	1/4	2.2		x		4.3	3.9	3.0	102	0	28.4

MANTES-LA-JOLIE

A 3 : 870.0 hz

Prestant 4'

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps						Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	√	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		6.5	accord	totale		ouv.	bas								/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	C	C 4 pied prestant			79.5	0.70	78.1	*78.1*	1147	1262	205	6.7	25.0	59.0	15.0	80	20.0	41	60 x 16		4.2	5.2	3.9	1262	0	247.5
2	C#							-	*75.1*											x		-	-	-	-	-	-
3	D							-	*72.2*											x		-	-	-	-	-	-
4	D#	d#	D# p			74.2	0.65	72.9	*69.4*		1056	205	7.5	20.0	54.0	14.0	76	18.0	34	54 x 15		4.3	5.2	3.9	1056	0	231.0
5	E							-	*66.8*											x		-	-	-	-	-	-
6	F							-	*64.2*											x		-	-	-	-	-	-
7	F#	F#	F# p			65.3	0.55	64.2	*61.8*	750	886	207	7.0	16.5	46.0	11.0	65	15.0	20	49 x 21		4.4	5.8	4.2	886	0	203.3
8	G							-	*59.4*											x		-	-	-	-	-	-
9	G#							-	*57.1*											x		-	-	-	-	-	-
10	A	a	A p			58.4	0.65	57.1	*55.0*	634	747	200	7.0	18.0	42.0	10.0	59	14.0	39	40 x 12		4.3	5.7	4.2	743	-4	181.5
11	A#							-	*52.9*											x		-	-	-	-	-	-
12	B					53.3	0.65	52.0	*50.8*											x		-	-	-	-	-	165.4
13	**C2**	g	intrus		G P	57.3	0.60	56.1	*48.9*	540	621	205	6.0	20.0	43.0	12.0	56	12.0	26	42 x 15	intrus	4.1	4.7	3.6	619	-2	178.1
14	C#					48.8	0.60	47.6	*47.0*											x		-	-	-	-	-	151.4
15	D							-	*45.2*											x		-	-	-	-	-	-
16	D#	D#	D# p			45.5	0.65	44.2	*43.5*	435	526	200	5.0	16.0	30.6	8.5	45	10.4	30	33 x 10		4.6	5.2	3.6	523	-3	140.9
17	E							-	*41.8*											x		-	-	-	-	-	-
18	F							-	*40.2*											x		-	-	-	-	-	-
19	F#	F#	F# p			40.8	0.70	39.4	*38.7*	361	444	200	4.5	13.0	31.5	7.1	40	9.7	21	33 x 16		4.0	5.6	4.4	438	-6	126.1
20	G							-	*37.2*											x		-	-	-	-	-	-
21	G#							-	*35.8*											x		-	-	-	-	-	-
22	A	a	A p			37.7	0.70	36.3	*34.4*	298	370	195	4.0	13.0	25.1	6.2	37	9.0	13	26 x 9		4.6	5.8	4.0	366	-4	116.1
23	A#							-	*33.1*											x		-	-	-	-	-	-
24	B							-	*31.8*											x		-	-	-	-	-	-
25	**C3**	C	C p			32.3	0.60	31.1	*30.6*	248	310	195	3.7	12.0	22.2	5.6	31	8.0	23	24 x 13		4.5	5.6	4.0	307	-3	99.6
26	C#							-	*29.4*											x		-	-	-	-	-	-
27	D							-	*28.3*											x		-	-	-	-	-	-
28	D#	D#	D# p			28.6	0.65	27.3	*27.2*	207	258	195	3.5	11.0	21.0	4.9	28	7.2	27	22 x 11		4.2	5.6	4.3	258	0	87.8
29	E							-	*26.2*											x		-	-	-	-	-	-
30	F							-	*25.2*											x		-	-	-	-	-	-
31	F#	F#	F# p			26.1	0.60	24.9	*24.2*		217	193	3.3	10.5	17.8	4.2	25	6.0	20	20 x 10		4.5	5.9	4.2	215	-2	80.1
32	G							-	*23.3*											x		-	-	-	-	-	-
33	G#							-	*22.4*											x		-	-	-	-	-	-
34	A	A	A p			23.3	0.60	22.1	*21.6*	138	182	193	3.0	10.6	15.9	4.0	23	5.5	17	18 x 10		4.5	5.5	4.0	180	-1	71.2
35	A#							-	*20.7*											x		-	-	-	-	-	-
36	B							-	*19.9*											x		-	-	-	-	-	-
37	**C4**	C	C p			20.4	0.70	19.0	*19.2*		152	190	3.0	10.0	14.8	2.9	21	4.5	15	16 x 8		4.2	6.6	5.1	151	0	61.9
38	C#							-	*18.4*											x		-	-	-	-	-	-
39	D							-	*17.7*											x		-	-	-	-	-	-
40	D#		D# Prestant			20.0	0.40	19.2	*17.1*	93	127	185	3.4	8.5	13.3	3.0	17	6.0	13	16 x 10	intrus non rallongé	4.6	6.4	4.4	125	-1	61.6
41	E							-	*16.4*											x		-	-	-	-	-	-
42	F							-	*15.8*											x		-	-	-	-	-	-
43	F#		F# D# 33			17.9	0.50	16.9	*15.2*	74	104	190	2.3	10.5	12.6	3.0	18	3.9	12	x		4.3	5.6	4.2	105	1	54.7
44	G							-	*14.6*											x		-	-	-	-	-	-
45	G#							-	*14.0*											x		-	-	-	-	-	-
46	A	A	A p			15.6	0.50	14.6	*13.5*	64	88	184	2.7	10.0	10.8	2.1	16	3.5	13	x		4.4	6.9	5.1	88	0	47.3
47	A#		intrus		B V	14.6	0.50	13.6	*13.0*		88	220			9.2	1.9	13	3.2		x	conservé (faux sommier)	4.8	7.2	4.8	83	-5	44.3
48	B					13.9	0.50	12.9	*12.5*		78									x		-	-	-	78	0	42.1
49	**C5**	C	C			13.6	0.40	12.8	*12.0*	64	63	167	2.5	8.5	10.6	2.5	au ton		11	x		3.9	5.1	4.2	60	-3	41.4
50	C#		C#					-	*11.6*											x		-	-	-	-	-	-
51	D	D	C					-	*11.1*											x	intrus	-	-	-	-	-	-
52	D#	D# D#	D# 4 4			12.3	0.45	11.4	*10.7*		50	170	2.0	7.3	10.3	2.0			9	x		3.6	5.7	5.2	49	-1	37.3
53	E	e	e					-	*10.3*											x		-	-	-	-	-	-
54	F	f	f p			10.1	0.40	9.3	*9.9*		44				7.2	1.8				x		4.2	5.2	4.0	45	1	30.5
55	F#		p		F#	10.2	0.40	9.4	*9.5*		45	170	1.5	7.5	7.4	1.8	10	3.0	7	x	intrus	4.2	5.2	4.1	42	-3	30.7
56	G					10.7	0.40	9.9	*9.1*		40	180	2.0		7.8	1.9				x		4.1	5.2	4.1	38	-2	32.4

MANTES-LA-JOLIE

A 3 : 1740.0 hz

Doublette 2'

Doublette 2P 56notes C D

18 pieds lépreux

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps						Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites				Ø Ext.	Ep.	Ø Int.	√	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps		Pied		métal		6.0	accord	totale		ouv.	bas								/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	C D			lépreux	49.4	0.50	48.4	*48.4*	522	625	182	4.0	17.0	35.0	9.0	49	13.0	23	35 x 10	étiquette, rallonge 71mm	4.4	5.4	3.9	625	0	153.7
2	C#							-	*46.7*											x		-	-	-	-	-	-
3	D				X			-	*44.9*											x		-	-	-	-	-	-
4	D#	D# D	D# D			44.0	0.60	42.8	*43.3*	441	523	183	4.6	15.0	31.0	9.0	43	11.0	18	30 x 8	tuyau allongé de 61mm	4.4	4.8	3.4	524	1	136.3
5	E				X			-	*41.7*											x		-	-	-	-	-	-
6	F							-	*40.2*											x		-	-	-	-	-	-
7	F#	F# D	F# D		X	39.6	0.50	38.6	*38.7*	369	440	183	4.0	12.5	28.0	7.0	39	10.0	21	27 x 9	tuyau allongé de 56mm	4.4	5.5	4.0	439	-1	122.8
8	G							-	*37.3*											x		-	-	-	-	-	-
9	G#				X			-	*35.9*											x		-	-	-	-	-	-
10	A	A D	A D			33.6	0.50	32.6	*34.6*	309	372	180	3.5	11.0	24.0	6.0	34	8.0	12	25 x 8	tuyau allongé de 51mm	4.3	5.4	4.0	369	-3	104.1
11	A#							-	*33.3*											x		-	-	-	-	-	-
12	B							-	*32.1*											x		-	-	-	-	-	-
13	**C2**	C D	C D		X	32.7	0.50	31.7	*30.9*	247	310	180	4.0	11.5	23.0	5.0	32	8.0	13	22 x 12	tuyau allogé de 45mm	4.4	6.3	4.6	307	-3	101.2
14	C#				X			-	*29.8*											x		-	-	-	-	-	-
15	D				X			-	*28.7*											x		-	-	-	-	-	-
16	D#	D# D	D# D		X	28.1	0.50	27.1	*27.7*	204	259	183	3.0	10.5	20.0	5.0	28	8.0	22	20 x 11	tuyau allongé de 45mm	4.3	5.4	4.0	258	-1	86.8
17	E							-	*26.6*											x		-	-	-	-	-	-
18	F							-	*25.7*											x		-	-	-	-	-	-
19	F#	F# D	F# D		X	26.3	0.50	25.3	*24.7*	165	218	180	206.0	10.0	19.0	5.5	26	6.5	13	20 x 10	tuyau allongé de 42mm	4.3	4.6	3.5	215	-3	80.9
20	G							-	*23.8*											x		-	-	-	-	-	-
21	G#							-	*23.0*											x		-	-	-	-	-	-
22	A	A D	A D			22.5	0.50	21.5	*22.1*	148	183	185	3.0	10.5	17.0	4.0	22	6.0	15	15 x 8	tuyau allongé de 37mm	4.1	5.4	4.3	181	-2	69.1
23	A#				X			-	*21.3*											x		-	-	-	-	-	-
24	B							-	*20.5*											x		-	-	-	-	-	-
25	**C3**	C D	C D			20.1	0.45	19.2	*19.8*	118	151	185	2.6	10.0	15.0	3.5	20	5.0	10	16 x 10	tuyau allongé de 34mm	4.1	5.5	4.3	151	0	61.7
26	C#							-	*19.0*											x		-	-	-	-	-	-
27	D				X			-	*18.3*											x		-	-	-	-	-	-
28	D#	D# D	D# D			18.2	0.50	17.2	*17.7*	91	126	185	3.0	9.8	14.0	3.0	18	4.0	15	15 x 8	tuyau allongé de 32,5mm	4.0	5.7	4.7	126	0	55.6
29	E							-	*17.0*											x		-	-	-	-	-	-
30	F					17.5	0.50	16.5	*16.4*						12.0	4.3				x		4.5	3.8	2.8	-	-	53.4
31	F#	F# D	F# D		X	17.3	0.50	16.3	*15.8*		89	187	2.5	8.5	12.0	3.0	sans		11	x	coupé au ton	4.4	5.4	4.0	88	0	52.9
32	G							-	*15.2*											x		-	-	-	-	-	-
33	G#				X			-	*14.7*											x		-	-	-	-	-	-
34	A	A D	A D			15.3	0.40	14.5	*14.1*		73	185	2.8	8.5	11.0	2.5			8	x		4.3	5.8	4.4	73	0	46.8
35	A#							-	*13.6*											x		-	-	-	-	-	-
36	B							-	*13.1*											x		-	-	-	-	-	-
37	**C4**	C D	C D		X	13.4	0.35	12.7	*12.6*		62	189	2.5	8.0	11.0	2.6			12	x		3.7	4.9	4.2	60	-2	41.1
38	C#							-	*12.2*											x		-	-	-	-	-	-
39	D				X			-	*11.7*											x		-	-	-	-	-	-
40	D#	D# D	D# D			12.0	0.40	11.2	*11.3*		51	186	1.7	7.5	9.8	2.2			6	x		3.7	5.1	4.5	50	-1	36.3
41	E				X	11.3	0.40	10.5	*10.9*		48									x		-	-	-	47	-1	34.2
42	F	F D	F D			10.6	0.40	9.8	*10.5*		45									x		-	-	-	45	0	32.0
43	G		G D			10.5	0.40	9.7	*10.1*		39									x		-	-	-	41	2	31.7
44	F#	F# D	F# D		X	10.2	0.40	9.4	*9.7*		41	185	1.0		8.2	1.9				x		3.8	4.9	4.3	38	-3	30.8
45	G#		G# D		X	9.9	0.40	9.1	*9.4*		35									x		-	-	-	36	1	29.8
46	A	g d	A D			9.8	0.40	9.0	*9.0*		33	185	0.8		7.8	1.8				x		3.8	5.0	4.3	33	0	29.5
47	B	C	C			9.7	0.40	8.9	*8.7*		28									x		-	-	-	31	3	29.2
48	A#	A# D	A# D			9.3	0.40	8.5	*8.4*		31									x		-	-	-	29	-2	28.0
49	**C5**	C# D	C# D			9.0	0.35	8.3	*8.1*		27	183	1.5		6.6	1.8				x		4.1	4.6	3.7	27	0	27.2
50	C#	A D	C# D			9.0	0.35	8.3	*7.8*		25									x		-	-	-	24	-1	27.2
51	D	B D	D# D			8.5	0.35	7.8	*7.5*		23	185			6.2	1.7				x		4.1	4.6	3.6	23	0	25.6
52	D#	C D				8.3	0.35	7.6	*7.2*		21	185	1.5		6.9	1.5				x		3.6	5.1	4.6	21	0	25.0
53	E			NEUF		7.8	0.35	7.1	*7.0*		20									x		-	-	-	20	0	23.4
54	F	intrus pied court				7.3	0.35	6.6	*6.7*		20									x		-	-	-	19	-1	21.8
55	F#	intrus pied court				7.2	0.35	6.5	*6.5*		18									x		-	-	-	18	0	21.5
56	G	intrus pied court				7.0	0.35	6.3	*6.2*		17	163			4.5	1.5				x		4.6	4.2	3.0	16	-1	20.9

MANTES-LA-JOLIE

A 3 = 435.0 hz

Cornet 8'

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps					Pied			Bouche		Cheminée		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø ext.	ép.	Ø int.	long.	long	long.	Ø	Ø ext.	larg.	haut.	Ø	long.				circ.	Ø	larg.	long.	long.	développé
Tonalité		Pieds	Corps	Pieds	Corps		métal		accord	Tot.		ouv.	bas								/ largeur	/ haut.	/ haut.	calculée	rallonge	rallonge
1	**C3**	C# B	C		C# B	51.2	0.80	49.6	258		205	6.0		37.1	14.5	13.0	96	32	35 x 19		4.3	3.4	2.6	245	-13	158.3
2	C#							-											x		-	-	-	-	-	-
3	D							-											x		-	-	-	-	-	-
4	D#	E B	D#		E B	46.0	0.75	44.5	215		202	5.6		33.3	12.6	12.8	90	28	31 x 15		4.3	3.5	2.6	201	-14	142.2
5	E							-											x		-	-	-	-	-	-
6	F							-											x		-	-	-	-	-	-
7	F#	A#	F#			41.0	0.65	39.7	143		193	4.5		30.8	10.2	11.0	80	26	32 x 16	coupé	4.1	3.9	3.0	165	22	126.8
8	G							-											x		-	-	-	-	-	-
9	G#							-											x		-	-	-	-	-	-
10	A	D#	A			35.0	0.65	33.7	140		187	4.5		24.0	10.6	10.2	68	13	25 x 12	rallongé	4.5	3.2	2.3	138	-2	107.9
11	A#							-											x		-	-	-	-	-	-
12	B							-											x		-	-	-	-	-	-
13	**C4**	G#	2e C			30.8	0.60	29.6	112		188	4.4		22.8	8.2	8.7	59	20	21 x 11		4.2	3.6	2.8	114	2	94.9
14	C#							-											x		-	-	-	-	-	-
15	D							-											x		-	-	-	-	-	-
16	D#	B	D#			28.3	0.55	27.2	97		188	4.6		20.1	8.8	8.9	54	18	20 x 10		4.3	3.1	2.3	92	-5	87.2
17	E							-											x		-	-	-	-	-	-
18	F							-											x		-	-	-	-	-	-
19	F#	D	F#			25.3	0.50	24.3	76		184	3.9		18.8	7.6	8.0	45	17	21 x 10		4.1	3.2	2.5	75	-1	77.9
20	G							-											x		-	-	-	-	-	-
21	G#							-											x		-	-	-	-	-	-
22	A	F3	A			22.1	0.50	21.1	62		186	3.9		15.9	5.5	7.5	39	14	18 x 9		4.3	3.8	2.9	62	0	67.9
23	A#		A#					-											x		-	-	-	-	-	-
24	B				C			-											x		-	-	-	-	-	-
25	**C5**		G			20.4	0.50	19.4	52		184	2.2		15.6	4.9	6.9	37	15	17 x 8		4.0	4.0	3.2	49	-3	62.5
26	C#		D		C#	19.6	0.50	18.6	42										x		-	-	-	46	4	60.0
27	D				NEUF	19.2	0.50	18.2	40		194								x		-	-	-	42	2	58.7
28	D#	F			D#	18.8	0.50	17.8	38		194	3.4		14.6	4.1	6.8	37	17	14 x 10		3.9	4.3	3.6	39	1	57.5
29	E	E			E	18.4	0.50	17.4	35										x		-	-	-	35	0	56.2
30	F				F N	18.1	0.50	17.1	33										x		-	-	-	32	-1	55.3
31	F#	F			F#	17.5	0.50	16.5	29		194			13.7	3.8	6.2	35	16	15 x 9		3.9	4.3	3.6	30	1	53.4
32	G				G	17.1	0.50	16.1	27										x		-	-	-	27	0	52.2

MANTES-LA-JOLIE

A 3 = 870.0 hz

Cornet 4'

Prestant C 2 P

Voir taille aigus (c# neuf ? LP)

Alliage	Corps	Pieds
☐martelé	-	-

G.O.		Marques				Corps					Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Longueur	Longueur	Développé
Tonalité		Pieds	Corps	Pieds	Corps		Métal		utile	Tot.		ouv.	bas								/ Largeur	/ Haut	/ haut.	Calculée	rallonge	rallonge
1	**C3**	c p	c p			41.0	0.65	39.7		301	187	3.6		29.7	7.3	41	10.0		30 x 15		4.3	5.4	4.1	302	1	126.8
2	C#							-											x		-	-	-	-	-	-
3	D							-											x		-	-	-	-	-	-
4	D#	d# p	d# p			36.5	0.55	35.4		251	188	4.1		26.5	6.7	37	8.8		25 x 12		4.3	5.3	4.0	252	1	112.9
5	E							-											x		-	-	-	-	-	-
6	F							-											x		-	-	-	-	-	-
7	F#	f# p	f# p			33.0	0.55	31.9		210	185	3.5		23.5	6.0	33	8.3	12	23 x 12		4.3	5.3	3.9	211	1	101.9
8	G							-											x		-	-	-	-	-	-
9	G#							-											x		-	-	-	-	-	-
10	A	a p	a p			29.0	0.55	27.9		174	188	3.6		21.7	5.3	29	7.2	12	20 x 10		4.1	5.3	4.1	176	2	89.4
11	A#							-											x		-	-	-	-	-	-
12	B							-											x		-	-	-	-	-	-
13	**C4**	c p	c p			26.0	0.50	25.0		147	185	3.5		19.0	5.0	25	5.7		18 x 10		4.2	5.0	3.8	147	0	80.1
14	C#							-											x		-	-	-	-	-	-
15	D							-											x		-	-	-	-	-	-
16	D#	d# p	d# p			23.3	0.60	22.1		123	185	3.2		16.8	4.3	23	5.6	12	17 x 9		4.2	5.1	3.9	123	0	71.3
17	E							-											x		-	-	-	-	-	-
18	F							-											x		-	-	-	-	-	-
19	F#	f# p	f# p			20.8	0.40	20.0		104	185	3.2		15.0	3.8	20	5.2	12	17 x 8		4.3	5.3	3.9	103	-1	64.1
20	G							-											sans		-	-	-	-	-	-
21	G#							-													-	-	-	-	-	-
22	A	a p	a p			18.5	0.40	17.7		87	185	2.9		13.1	3.2	19	5.0	9			4.3	5.5	4.1	86	-1	56.9
23	A#							-													-	-	-	-	-	-
24	B		intrus non rallongé					-													-	-	-	-	-	-
25	**C5**	c p	c p			17.1	0.35	16.4		71	183	2.7		12.0	3.0	17	4.0				4.4	5.5	4.0	71	0	52.6
26	C#	d p						-													-	-	-	-	-	-
27	D	d# p						-													-	-	-	-	-	-
28	D#		intrus non rallongé			16.0	0.55	14.9													-	-	-	-	-	48.5
29	E	f p	fp			15.6	0.55	14.5													-	-	-	-	-	47.3
30	F		intrus non rallongé			15.2	0.55	14.1													-	-	-	-	-	46.0
31	F#	Manquant			NEUF	14.8	0.45	13.9		48											-	-	-	49	1	45.1
32	G		intrus non rallongé			14.6	0.35	13.9		43	185			10.0		11	3.0				4.5	-	#DIV/0!	45	2	44.8

MANTES-LA-JOLIE

1303.5 hz

Cornet 2'2/3

Alliage	Corps	Pieds
☐martelé	-	-

G.O.		Marques				Corps					Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Longueur	Longueur	Développé
Tonalité		Pieds	Corps	Pieds	Corps		Métal		utile	Tot.		ouv.	bas								/ Largeur	/ Haut	/ haut.	Calculée	rallonge	rallonge
1	**C3**	g q			G Q	30.8	0.70	29.4		198	198	3.5		22.3	5.7	32	7.2	20	19 x 10		4.2	5.2	3.9	199	1	94.6
2	C#							-											x		-	-	-	-	-	-
3	D							-											x		-	-	-	-	-	-
4	D#	a# q			A# Q	27.2	0.60	26.0		165	197	3.2		20.3	5.0	27	6.2	20	19 x 9		4.1	5.2	4.1	167	2	83.6
5	E							-											x		-	-	-	-	-	-
6	F							-											x		-	-	-	-	-	-
7	F#	c# q			C# Q	24.2	0.55	23.1		139	197	3.2		17.4	4.4	25	5.5	16	16 x 8		4.3	5.3	4.0	139	0	74.3
8	G							-											x		-	-	-	-	-	-
9	G#							-											x		-	-	-	-	-	-
10	A	e q			E Q	22.0	0.50	21.0		116	196	3.1		16.1	4.3	22	5.1	10	15 x 7		4.2	4.9	3.7	116	0	67.5
11	A#							-											x		-	-	-	-	-	-
12	B							-											x		-	-	-	-	-	-
13	**C4**	g q			G Q	19.7	0.50	18.7		98	195	3.0		15.0	4.2	20	4.5	10	15 x 7		4.0	4.5	3.6	97	-1	60.3
14	C#							-											x		-	-	-	-	-	-
15	D							-											x		-	-	-	-	-	-
16	D#	a# q			A# Q	18.5	0.60	17.3		81	193	2.6		12.5	3.1	18	4.4	10	12 x 6		4.5	5.6	4.0	80	-1	56.2
17	E							-											x		-	-	-	-	-	-
18	F							-											sans		-	-	-	-	-	-
19	F#	c# q			C# Q	16.2	0.55	15.1		67	193	2.5		12.0	2.5	16	3.9	10			4.1	6.0	4.8	67	0	49.2
20	G							-													-	-	-	-	-	-
21	G#							-													-	-	-	-	-	-
22	A	e q			E Q	14.9	0.60	13.7		56	190	2.5		9.5	2.0	15	3.0	8			4.7	6.9	4.8	56	0	44.9
23	A#							-													-	-	-	-	-	-
24	B							-													-	-	-	-	-	-
25	**C5**	g q			G Q	13.3	0.60	12.1		31	190	2.2		9.2	2.2						4.3	5.5	4.2	34	3	39.9
26	C#							-													-	-	-	-	-	-
27	D							-													-	-	-	-	-	-
28	D#							-													-	-	-	-	-	-
29	E							-													-	-	-	-	-	-
30	F							-													-	-	-	-	-	-
31	F#							-													-	-	-	-	-	-
32	G	d q	d q			10.5	0.50	9.5		22	190	2.2		7.4	1.8						4.2	5.3	4.1	20	-2	31.4

MANTES-LA-JOLIE

1740.0 hz

Cornet 2'

Alliage	Corps	Pieds
☐martelé	-	-

G.O.		Marques				Corps					Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Longueur	Longueur	Développé
Tonalité		Pieds	Corps	Pieds	Corps		Métal		utile	Tot.		ouv.	bas								/ Largeur	/ Haut	/ haut.	Calculée	rallonge	rallonge
1	**C3**	c d	c d			25.8	0.50	24.8		147	190	2.7		18.5	4.0	25	6.6	10			4.3	6.2	4.6	147	0	79.5
2	C#							-													-	-	-	-	-	-
3	D							-													-	-	-	-	-	-
4	D#	d# d	d# d			23.1	0.50	22.1		123	190	2.6		16.4	3.3	23	5.8				4.3	6.7	5.0	123	0	71.0
5	E							-													-	-	-	-	-	-
6	F							-													-	-	-	-	-	-
7	F#	f# d	f# d			21.0	0.45	20.1		104	190	2.6		15.0	3.2	22	4.8	10			4.3	6.3	4.7	102	-2	64.6
8	G							-													-	-	-	-	-	-
9	G#							-													-	-	-	-	-	-
10	A	a d	a d			19.4	0.50	18.4		87	193	3.0		14.4	3.2	20	4.1	20			4.1	5.8	4.5	85	-2	59.4
11	A#							-													-	-	-	-	-	-
12	B							-													-	-	-	-	-	-
13	**C4**	c d	c d			18.7	0.45	17.8		52	193	3.0		13.5	3.0	sans		8			4.2	5.9	4.5	52	0	57.3
14	C#							-													-	-	-	-	-	-
15	D							-													-	-	-	-	-	-
16	D#	d# d	d# d			17.6	0.40	16.8		42	185	2.6		12.0	3.0			10			4.5	5.6	4.0	40	-2	54.0
17	E							-													-	-	-	-	-	-
18	F							-													-	-	-	-	-	-
19	F#	f# d	f# d			16.0	0.40	15.2		34	193	2.0		11.0	2.0						4.5	7.6	5.5	32	-2	49.0
20	G	g						-													-	-	-	-	-	-
21	G#	a d				15.5	0.40	14.7		28	193	2.3		10.8	2.1						4.4	7.0	5.1	27	-1	47.4
22	A	a# d						-													-	-	-	-	-	-
23	A#	b d						-													-	-	-	-	-	-
24	B	c d						-													-	-	-	-	-	-
25	**C5**	c# d				12.7	0.40	11.9		23	190	1.9		9.8	1.3						3.9	9.2	7.5	21	-2	38.6
26	C#	d d						-													-	-	-	-	-	-
27	D							-													-	-	-	-	-	-
28	D#							-													-	-	-	-	-	-
29	E							-													-	-	-	-	-	-
30	F							-													-	-	-	-	-	-
31	F#					10.8	0.40	10.0		13	192	2.7		7.8	1.2						4.2	8.3	6.5	12	-1	32.7
32	G	Manquant			NEUF	10.3	0.40	9.5		11											-	-	-	11	0	31.2

MANTES-LA-JOLIE

2192.3 hz

Cornet 1'3/5

Alliage	Corps	Pieds
☐martelé	-	-

G.O.		Marques				Corps					Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Longueur	Longueur	Développé
Tonalité		Pieds	Corps	Pieds	Corps		Métal		utile	Tot.		ouv.	bas								/ Largeur	/ Haut	/ haut.	Calculée	rallonge	rallonge
1	**C3**	d# t	E tierce			20.4	0.65	19.1		118	193			14.5	3.1	20	4.5	10	14 x 7		4.3	6.2	4.7	117	-1	62.0
2	C#							-											sans		-	-	-	-	-	-
3	D							-													-	-	-	-	-	-
4	D#	g t	g t			18.5	0.55	17.4		98	190	2.0		13.7	3.0	19	4.3	10			4.1	5.8	4.6	98	0	56.4
5	E							-													-	-	-	-	-	-
6	F							-													-	-	-	-	-	-
7	F#	a# t	a# t			17.0	0.50	16.0		82	190	2.0		12.5	2.8	18	4.0				4.1	5.7	4.5	81	-1	51.8
8	G							-													-	-	-	-	-	-
9	G#							-													-	-	-	-	-	-
10	A	c# t	c# t			16.3	0.55	15.2		64	190	2.0		11.4	2.3	9	3.0	8			4.3	6.6	5.0	67	3	49.5
11	A#							-								sans					-	-	-	-	-	-
12	B							-													-	-	-	-	-	-
13	**C4**	e t	e t			14.8	0.60	13.6		41	190	2.0		11.0	2.3			8			4.1	5.9	4.8	42	1	44.6
14	C#							-													-	-	-	-	-	-
15	D							-													-	-	-	-	-	-
16	D#	g t	g t			13.5	0.50	12.5		33	190	1.8		10.4	1.8						3.9	6.9	5.8	33	0	40.8
17	E							-													-	-	-	-	-	-
18	F							-													-	-	-	-	-	-
19	F#	a# t	a# t			13.3	0.50	12.3		24	185			9.6	2.0			8			4.2	6.2	4.8	25	1	40.2
20	G					12.9	0.50	11.9													-	-	-	-	-	39.0
21	G#	Manquant			NEUF	12.7	0.50	11.7		21											-	-	-	21	0	38.3
22	A					12.5	0.50	11.5												sans rallonge	-	-	-	-	-	37.7
23	A#	intrus conservé						-													-	-	-	-	-	-
24	B	d#						-													-	-	-	-	-	-
25	**C5**	e						-													-	-	-	-	-	-
26	C#	f						-													-	-	-	-	-	-
27	D	f#						-													-	-	-	-	-	-
28	D#	g						-													-	-	-	-	-	-
29	E	g#				11.0	0.40	10.2		9	185			6.5	1.7						5.1	6.0	3.8	8	-1	33.3
30	F	intrus non conservé			NEUF	10.6	0.40	9.8		8											-	-	-	7	-1	32.2
31	F#	intrus non conservé			NEUF	10.4	0.40	9.6		7											-	-	-	6	-1	31.5
32	G	intrus non conservé			NEUF	10.2	0.40	9.4		6											-	-	-	5	-1	30.8

MANTES-LA-JOLIE **A 3 = 1740.0 hz**

Plein jeu 3-4 rgs **2'** 9 bouts de pieds changés (lépreux)

Alliage	Corps	Pieds
☐ martelé	25%	25%

G.O.		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	L/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	C	C 2.1			44.1	0.60	42.9		629	195	4.5		32.5	8.3	43	1/4	11.2	15	32 x 13		4.2	5.2	3.9	628	-1	136.6
2	C#							-									-			x		-	-	-	-	-	-
3	D							-									-			x		-	-	-	-	-	-
4	D#	D#	D# 2.4			39.2	0.60	38.0		526	195	4.6		29.0	7.5	39	1/4	9.5	15	32 x 13		4.2	5.1	3.9	527	1	121.3
5	E							-									-			x		-	-	-	-	-	-
6	F							-									-			x		-	-	-	-	-	-
7	F#	C# 2	F# 2.7			34.3	0.55	33.2		442	185	3.5		25.3	6.6	33	1/4	8.7	15	24 x 11		4.2	5.0	3.8	442	0	106.0
8	G							-									-			x		-	-	-	-	-	-
9	G#							-									-			x		-	-	-	-	-	-
10	A	E	A 2.10			30.3	0.55	29.2		370	185	4.0		22.0	5.8	31	1/4	7.0	15	23 x 11		4.2	5.0	3.8	371	1	93.5
11	A#							-									-			x		-	-	-	-	-	-
12	B							-									-			x		-	-	-	-	-	-
13	**C2**	D	C 3.13			27.3	0.55	26.2		311	185	3.0		18.5	5.3	27	2/9	6.0	12	21 x 11		4.5	4.9	3.5	311	0	84.0
14	C#							-									-			x		-	-	-	-	-	-
15	D							-									-			x		-	-	-	-	-	-
16	D#		D# 3.16			24.0	0.50	23.0		260	185	3.3		16.7	4.3	25	1/4	5.7	12	17 x 9		4.4	5.3	3.9	261	1	73.8
17	E							-									-			x		-	-	-	-	-	-
18	F							-									-			x		-	-	-	-	-	-
19	F#		F# 3.19			21.2	0.40	20.4		217	187	2.5		15.0	4.1	21	1/4	5.0	12	15 x 8		4.4	5.0	3.7	219	2	65.3
20	G		G 3.20			20.3	0.45	19.4		205							-			x		-	-	-	206	1	62.4
21	G#		G 3.35	intrus?		21.8	0.40	21.0		140							-			x	à rallonger	-	-	-	193	53	67.2
22	A		G# 3.22			20.7	0.40	19.9		164	185	3.1		15.0	3.9		-		12	17 x 9		4.3	5.1	3.8	182	18	63.8
23	A#		A 3.23			20.3	0.40	19.5		152							-			x		-	-	-	171	19	62.5
24	B		3.24 (3.22)			19.4	0.40	18.6		148							-			x		-	-	-	161	13	59.7
25	**C3**		3.25 (3.21)			19.8	0.40	19.0		135	188	3.6		15.3	4.1		-			15 x 8		4.0	4.6	3.7	151	16	60.9
26	C#		3.26			19.8	0.40	19.0		124							-			x		-	-	-	142	18	60.9
27	D		3.27	intrus ?		18.5	0.40	17.7		121							-			x		-	-	-	134	13	56.9
28	D#		3.28			19.6	0.40	18.8		111	187	2.8		13.6	3.7		-			15 x 8		4.4	5.1	3.7	125	14	60.3
29	E		B 3.29			17.8	0.40	17.0		104							-			x		-	-	-	119	15	54.7
30	F		C 3.30			18.5	0.40	17.7		97							-			x		-	-	-	111	14	56.9
31	F#		C# 3.31			18.0	0.40	17.2		92	190	3.3		13.6	3.3		-			x		4.1	5.2	4.1	104	12	55.3
32	G		G 3.32			17.3	0.40	16.5		85							-			x		-	-	-	98	13	53.1
33	G#		G# 3.33			16.8	0.40	16.0		80							-			x		-	-	-	93	13	51.5
34	A		E 3.34			15.2	0.40	14.4		74	187	2.3		11.0	3.4		-			SANS		4.2	4.2	3.2	88	14	46.5
35	A#		F 3.35			15.7	0.40	14.9		73							-			x		-	-	-	82	9	48.1
36	B		3.36			15.2	0.40	14.4		68							-			x		-	-	-	77	9	46.5
37	**C4**		3.37			14.8	0.40	14.0		63	187	2.3		10.6	2.7					x		4.3	5.2	3.9	73	10	45.2
38	C#		3.38			14.0	0.40	13.2		60						**Au ton**				x	**Au ton**	-	-	-	55	-5	42.7
39	D		3.39			13.6	0.40	12.8		57										x		-	-	-	51	-6	41.5
40	D#		3.40			12.7	0.40	11.9		53										x		-	-	-	49	-4	38.6
41	E		3.41			12.0	0.40	11.2		50										x		-	-	-	46	-4	36.4
42	F		3.42			11.4	0.40	10.6		48									5	x		-	-	-	43	-5	34.6
43	F#		3.43			10.8	0.40	10.0		45	187	1.7		7.1	1.9					x		4.6	5.3	3.7	41	-4	32.7
44	G		3.44			10.5	0.40	9.7		41										x		-	-	-	38	-3	31.7
45	G#		3.45			10.1	0.40	9.3		38										x		-	-	-	36	-2	30.5
46	A		3.46			9.8	0.40	9.0		35										x		-	-	-	33	-2	29.5
47	A#		3.47			9.6	0.40	8.8		35										x		-	-	-	31	-4	28.9
48	B		3.48			9.5	0.40	8.7		31										x		-	-	-	28	-3	28.6
49	**C5**		3.49			9.5	0.40	8.7		29	185	1.4		6.1	1.8					x		4.7	4.8	3.4	26	-3	28.6
50	C#		3.50			8.8	0.40	8.0		27										x		-	-	-	25	-2	26.4
51	D		3.51			8.4	0.40	7.6		24	187	1.8		5.1	1.6					x		4.9	4.8	3.2	23	-1	25.1
52	D#		3.52			8.5	0.40	7.7		25										x		-	-	-	21	-4	25.4
53	E		3.53			8.3	0.40	7.5												x		-	-	-	-	-	24.8
54	F		3.54			7.7	0.40	6.9		19	187									x		-	-	-	19	0	22.9
55	F#		3.55			7.4	0.40	6.6		19										x		-	-	-	17	-2	22.0
56	G		3.56			7.9	0.40	7.1		20	185									x		-	-	-	15	-5	23.6

MANTES-LA-JOLIE

Plein jeu 3-4 rgs **2'2/3** C2 > G5 **A 3 =** **1740.0 hz**

G.O.		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	L/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	G	E 2	G 2.13			37.2	0.55	36.1		411	202	3.6		27.2	6.1	37	1/4	9.3		28 x 7		4.2	5.9	4.5	414	3	115.1
2	G#							-									-			x		-	-	-	-	-	-
3	A		A 2.15			32.1	0.55	31.0		368	192	3.6		23.5	6.0	35	2/9	7.0		23 x 13		4.2	5.2	3.9	370	2	99.1
4	A#							-									-			x		-	-	-	-	-	-
5	B							-									-			x		-	-	-	-	-	-
6	**C2**	C 2	C 2.18			28.7	0.55	27.6		309	185			19.8	5.2	29	1/4	7.0	12	23 x 10		4.5	5.3	3.8	310	1	88.4
7	C#	C4	2.19		C	27.2	0.55	26.1		263							-			x		-	-	-	292	29	83.7
8	D	G 2	C# 2.21			26.8	0.55	25.7		231	185						-		12	20 x 11		-	-	-	275	44	82.5
9	D#		2.20		C#	26.2	0.55	25.1		257							-			x		-	-	-	259	2	80.6
10	E		D 2.22			25.6	0.55	24.5		224							-			x		-	-	-	244	20	78.7
11	F	D 1	2.23		D	25.3	0.60	24.1		210							-			x		-	-	-	230	20	77.6
12	F#		E 2.24			23.9	0.50	22.9		199	185			17.5	3.0		-			20 x 10		4.2	7.6	5.8	217	18	73.5
13	G		G 2.25			24.8	0.55	23.7		205	183	3.1		17.8	4.7	24	1/4	6.0		20 x 10		4.3	5.0	3.8	203	-2	76.2
14	G#		G# 2.26					-									-			x		-	-	-	-	-	-
15	A		F 2.27			23.2	0.55	22.1		182	182	2.6		16.5	3.8	22	1/4	5.8		15 x 9		4.3	5.8	4.3	180	-2	71.2
16	A#		F# 2.28					-									-			x		-	-	-	-	-	-
17	B		2.29					-									-			SANS		-	-	-	-	-	-
18	**C3**		C 2.30			22.3	0.50	21.3		151	195	3.2		17.0	3.7	22	2/7	6.0				4.0	5.8	4.6	150	-1	68.5
19	C#		C# 2.31					-									-					-	-	-	-	-	-
20	D		D 2.32					-									-					-	-	-	-	-	-
21	D#		D# 2.33			20.2	0.50	19.2		126	195	3.0		13.8	3.7	19	2/7	5.3				4.5	5.2	3.7	125	-1	61.9
22	E		E 2.34					-									-					-	-	-	-	-	-
23	F		F 2.35					-									-					-	-	-	-	-	-
24	F#		F# 2.36			18.2	0.50	17.2		106	195	2.4		12.5	3.0	16	1/4	4.5	12			4.4	5.7	4.2	104	-2	55.6
25	G		G 2.37					-									-					-	-	-	-	-	-
26	G#		G# 2.38					-									-					-	-	-	-	-	-
27	A		A 2.39			16.4	0.50	15.4		87	192	2.2		12.0	3.0	15	2/7	4.2				4.2	5.1	4.0	87	0	50.0
28	A#		A# 2.40					-									-					-	-	-	-	-	-
29	B		2.41					-									-					-	-	-	-	-	-
30	**C4**		C 2.42			15.0	0.50	14.0		72	192	2.7		10.0	2.5	15	2/7	4.2	10			4.6	5.6	4.0	72	0	45.6
31	C#		C# 2.43					-									-					-	-	-	-	-	-
32	D		D 2.44					-									-					-	-	-	-	-	-
33	D#		D# 2.45			12.9	0.45	12.0		61				8.7	2.3	12	1/3	3.8	10			4.5	5.2	3.8	61	0	39.1
34	E		E 2.46					-									-					-	-	-	-	-	-
35	F		F 2.47					-									-					-	-	-	-	-	-
36	F#		F# 2.48			11.5	0.50	10.5		50	188	2.0		8.1	2.0	10	1/3	3.8				4.3	5.3	4.1	51	1	34.6
37	G		G 2.49					-									-					-	-	-	-	-	-
38	G#		G# 2.50			10.4	0.50	9.4		40							-				**au ton**	-	-	-	35	-5	31.1
39	A		A 2.51			10.2	0.45	9.3		36	186	1.1		7.0	1.8		-					4.4	5.2	3.9	33	-3	30.6
40	A#		A# 2.52			9.5	0.45	8.6		33							-					-	-	-	31	-2	28.4
41	B		B 2.53			9.0	0.45	8.1		30							-					-	-	-	29	-1	26.9
42	**C5**		C 2.54			8.4	0.40	7.6		29	186	2.0		6.0	1.8		-					4.2	4.2	3.3	28	-1	25.1
43	C#		C# 2.55			7.9	0.40	7.1		28							-					-	-	-	26	-2	23.6
44	D		D 2.56			8.1	0.40	7.3		25							-					-	-	-	24	-1	24.2

MANTES-LA-JOLIE

Plein jeu 3-4 rgs 4' C3 > G5 **A 3 = 1740.0 hz**

G.O.		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	L/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C2**		C 2.25			28.2	0.55	27.1		309	182	3.1		20.7	5.4	28	1/4	6.5		x		4.2	5.0	3.8	310	1	86.9
2	C#		C# 2.26			26.9	0.55	25.8		293							-			x		-	-	-	293	0	82.8
3	D		D 2.27			25.8	0.55	24.7									-			x		-	-	-	-	-	79.3
4	D#		D# 2.28			24.7	0.55	23.6		258	182	3.3		17.6	4.5	25	1/4	6.0		19 x 10		4.3	5.2	3.9	260	2	75.9
5	E		E 2.29			23.8	0.55	22.7		243							-			x		-	-	-	245	2	73.0
6	F		F 2.30			23.3	0.55	22.2		231							-			x		-	-	-	231	0	71.5
7	F#		F# 2.31			22.7	0.55	21.6		216	185	3.0		15.4	3.6	23	2/7	6.0		15 x 7		4.5	6.0	4.3	218	2	69.6
8	G		G 2.32			21.9	0.55	20.8		203							-			x		-	-	-	205	2	67.1
9	G#		G# 2.33			21.0	0.55	19.9		193							-			x		-	-	-	193	0	64.2
10	A		A 2.34			20.5	0.55	19.4		180							-			x		-	-	-	182	2	62.7
11	A#		A# 2.35			19.8	0.55	18.7		172							-			x		-	-	-	172	0	60.5
12	B		B 2.36			19.2	0.55	18.1		162							-			x		-	-	-	162	0	58.6
13	**C3**		C 2.37			18.1	0.55	17.0		153	185	2.6		13.5	3.3	19	1/4	4.5		x		4.1	5.2	4.1	153	0	55.1
14	C#		C# 2.38			17.4	0.55	16.3		145							-			x		-	-	-	144	-1	52.9
15	D		D 2.39			17.0	0.55	15.9		135							-			SANS		-	-	-	135	0	51.7
16	D#		D# 2.40			15.7	0.50	14.7									-			x		-	-	-	-	-	47.8
17	E		E 2.41			15.3	0.50	14.3		120							-			x		-	-	-	121	1	46.5
18	F		F 2.42			15.0	0.50	14.0		115							-			x		-	-	-	113	-2	45.6
19	F#		F# 2.43			14.2	0.50	13.2		108	183	1.9		9.8	2.4	14	1/4	3.2		x		4.4	5.5	4.1	107	-1	43.0
20	G		G 2.44			13.6	0.50	12.6		101							-			x		-	-	-	101	0	41.2
21	G#		G# 2.45			13.3	0.50	12.3								AU TON				x		-	-	-	-	-	40.2
22	A		46 //			14.5	0.50	13.5												x	intrus	-	-	-	-	-	44.0
23	A#		47 //			13.3	0.50	12.3		74										x		-	-	-	71	-3	40.2
24	B		48 //			12.6	0.50	11.6												x		-	-	-	-	-	38.0
25	**C4**		49//			12.0	0.40	11.2		64	192	3.0		7.8	2.5					x		4.7	4.5	3.1	63	-1	36.4
26	C#		50//			12.4	0.40	11.6												x		-	-	-	-	-	37.7
27	D		51//			12.0	0.40	11.2												x		-	-	-	-	-	36.4
28	D#		52//			11.8	0.40	11.0												x		-	-	-	-	-	35.8
29	E		53//			11.2	0.40	10.4												x		-	-	-	-	-	33.9
30	F		54//			10.9	0.40	10.1												x		-	-	-	-	-	33.0
31	F#		55//			10.4	0.40	9.6		42	185	1.8		6.6	2.0					x		4.8	4.8	3.3	41	-1	31.4
32	G		56//			10.2	0.40	9.4		38										x		-	-	-	38	0	30.8

MANTES-LA-JOLIE

Plein jeu 3-4 rgs 5'1/3 C3>B3 **A 3 = 2192.3 hz**

G.O.		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	L/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
8	G		C 1.13		Eb Q	45.2	0.65	43.9		426	212	4.9		33.5	10.4	41	1/4	11.0	20	31 x 15	intrus	4.2	4.2	3.2	409	-17	140.0
9	G#		C# 1.14		F Q			-									-			x	intrus	-	-	-	-	-	-
10	A		D 1.15		F# Q			-									-			x	intrus	-	-	-	-	-	-
11	A#		D# 1.16		G# Q	38.4	0.65	37.1		350	215	4.1		29.5	7.3	36	2/9	8.2	16	27 x 15	intrus	4.0	5.1	4.0	344	-6	118.6
12	B		E 1.17		A Q	36.7	0.65	35.4									-			x	intrus	-	-	-	-	-	113.3
1	**C2**	g 1r	F pr 18 35			34.9	0.60	33.7		311	183						-			x		-	-	-	306	-5	107.8
2	C#	g#	F# pr 19 34			34.0	0.60	32.8		293	185	3.5		25.0	6.1	29	2/7	9.0	15	21 x 12		4.2	5.4	4.1	288	-5	104.9
3	D		G pr 20 33			32.8	0.60	31.6		282	182						-			x		-	-	-	271	-11	101.2
4	D#		G# pr 21 32			31.2	0.55	30.1		269							-			x		-	-	-	256	-13	96.3
5	E	B1	A pr 22 31			29.9	0.50	28.9		235	183	3.0		22.0	5.6	27	1/4	7.0		20 x 11		4.2	5.2	3.9	241	6	92.4
6	F	C1	A# pr 23 30			29.1	0.50	28.1		253							-			x		-	-	-	227	-26	89.8
7	F#	C#1	B pr 24 29			28.2	0.50	27.2		221	182	3.0		19.6	5.2	25	1/4	7.2		19 x 10		4.4	5.2	3.8	214	-7	87.0

MANTES-LA-JOLIE

Plein jeu 3-4 rgs **5'1/3** **en copie du 4'** ressouder les entailles de timbre **A 3 = 1740.0 hz**

G.O.		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	L/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	G	g 1r	F pr 18 35		ancien	34.9	0.55	33.8		311	183									x				-	416	105	107.9
2	G#	g#	F# pr 19 34		ancien	34.0	0.55	32.9		293	185	3.5		25.0	6.1	0	-	0	15	21 x 12				4.1	392	99	105.1
3	A	0	G pr 20 33		ancien	32.8	0.55	31.7		282	182					29	2/7	9		0 x 0				-	369	87	101.3
4	A#	0	G# pr 21 32		ancien	31.2	0.55	30.1		269	0					0	-	0		0 x 0				-	348	79	96.3
5	B	B1	A pr 22 31		ancien	29.9	0.55	28.8		235	183	3.0		22.0	5.6	0	-	0		20 x 11				3.9	329	94	92.2
6	**C2**	C1	A# pr 23 30		ancien	29.1	0.55	28.0		253	0					27	1/4	7		0 x 0				-	310	57	89.7
7	C#	C#1	B pr 24 29		ancien	28.2	0.55	27.1		221	182	3.0		19.6	5.2	0	-	0		19 x 10				3.8	292	71	86.9
8	D				Neuf	26.9	0.55	25.8		275	185			20.2	4.3	27	1/4	6.5		20 x 10		4.1	6.0	4.7	275	0	82.8
9	D#				Neuf	25.8	0.55	24.7		260	185			19.3	4.1	26	1/4	6.2		19 x 10		4.1	6.0	4.7	260	0	79.3
10	E				Neuf	24.7	0.55	23.6		245	185			18.5	3.9	25	1/4	5.9		19 x 10		4.1	6.0	4.7	245	0	75.9
11	F				Neuf	24.0	0.55	22.9		231	185			18.0	3.8	24	1/4	5.7		18 x 10		4.1	6.0	4.7	231	0	73.7
12	F#				Neuf	23.3	0.55	22.2		217	185			17.4	3.7	23	1/4	5.6		17 x 9		4.1	6.0	4.7	217	0	71.5
13	G				Neuf	22.7	0.50	21.7		205	185			17.0	3.6	23	1/4	5.4		17 x 9		4.1	6.0	4.7	205	0	69.7
14	G#				Neuf	21.9	0.50	20.9		193	185			16.4	3.5	22	1/4	5.2		16 x 9		4.1	6.0	4.7	193	0	67.2
15	A				Neuf	21.2	0.50	20.2		182	185			15.9	3.4	21	1/4	5.1		16 x 9		4.1	6.0	4.7	182	0	65.0
16	A#				Neuf	20.5	0.50	19.5		171	185			15.3	3.3	21	1/4	4.9		15 x 8		4.1	6.0	4.7	171	0	62.8
17	B				Neuf	19.8	0.50	18.8		161	185			14.8	3.1	20	1/4	4.7		15 x 8		4.1	6.0	4.7	161	0	60.6
18	**C3**				Neuf	19.0	0.50	18.0		152	185			14.2	3.0	19	1/4	4.5		14 x 8		4.1	6.0	4.7	152	0	58.1
19	C#				Neuf	18.1	0.50	17.1		143	185			13.5	2.9	18	1/4	4.3		13 x 7		4.1	6.0	4.7	143	0	55.3
20	D				Neuf	17.4	0.50	16.4		135	185			12.9	2.7	17	1/4	4.1		13 x 7		4.1	6.0	4.7	135	0	53.1
21	D#				Neuf	16.8	0.50	15.8		127	185			12.5	2.6	17	1/4	4.0		SANS		4.1	6.0	4.7	127	0	51.2
22	E				Neuf	16.0	0.50	15.0		120	185			11.9	2.5	16	1/4	3.8				4.1	6.0	4.8	120	0	48.7
23	F				Neuf	15.3	0.50	14.3		113	185			11.3	2.4	15	1/4	3.6				4.1	6.0	4.8	113	0	46.5
24	F#				Neuf	14.9	0.50	13.9		107	185			11.0	2.3	15	1/4	3.5				4.1	6.0	4.8	107	0	45.2
25	G				Neuf	14.4	0.50	13.4		100	185			10.7	2.2	14	1/4	3.4				4.1	6.0	4.8	100	0	43.7
26	G#				Neuf	14.0	0.45	13.1		94	185			10.4	2.2	14	1/4	3.3				4.1	6.0	4.8	94	0	42.6
27	A				Neuf	13.6	0.45	12.7		76	185			10.1	2.1		Au ton					4.1	6.0	4.8	76	0	41.3
28	A#				Neuf	13.3	0.45	12.4		71	185			9.8	2.1							4.1	6.0	4.8	71	0	40.4
29	B				Neuf	13.0	0.45	12.1		66	185			9.6	2.0							4.1	6.0	4.8	66	0	39.4
30	**C4**				Neuf	12.6	0.45	11.7		62	185			9.3	2.0							4.1	6.0	4.8	62	0	38.2
31	C#				Neuf	12.0	0.45	11.1		58	185			8.9	1.9							4.1	6.0	4.8	58	0	36.3
32	D				Neuf	11.8	0.45	10.9		54	185			8.7	1.8							4.1	6.0	4.8	54	0	35.7

MANTES-LA-JOLIE

Plein jeu 3-4 rgs **1'** C1> B1 **A 3 = 870.0 hz**

G.O.		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	L/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C3**	A	G pr 25 45			32.5	0.55	31.4		305	190	3.0		23.0	6.0	30	1/3	9.5	15	24 x 12		4.4	5.2	3.8	307	2	100.4
2	C#	A#	G# pr 26 44					-									-			x		-	-	-	-	-	-
3	D	B	A pr 27 43					-									-			x		-	-	-	-	-	-
4	D#	C	A# pr 28 42			28.8	0.55	27.7		260	188	3.5		20.9	6.0	27	1/3	8.5		x		4.2	4.6	3.5	258	-2	88.7
5	E	C#	B pr 29 41					-									-			x		-	-	-	-	-	-
6	F	D	C pr 30 40					-									-			x		-	-	-	-	-	-
7	F#	D#	C# pr 31 27			26.4	0.50	25.4		217	185	2.8		18.0	5.0	25	1/3	8.0		x		4.5	5.1	3.6	215	-2	81.4
8	G	E	D pr 32 26					-									-			x		-	-	-	-	-	-
9	G#	F	D# pr 33 25					-									-			x		-	-	-	-	-	-
10	A	F#	E pr 34 24			23.3	0.50	22.3		180	185	3.1		16.3	4.4	22	1/3	7.0				4.4	5.1	3.7	180	0	71.6
11	A#	G	F pr 35 23					-									-			x		-	-	-	-	-	-
12	B	G#	F# pr 36 22					-									-			x		-	-	-	-	-	-

MANTES-LA-JOLIE

Plein jeu 3-4 rgs **1' 1/3** C1>B2 **A 3 =** **651.8 hz**

G.O.		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites				Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	L/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C3**	C G	G 2.1			35.7	0.55	34.6		414	205	3.8		25.4	7.7	35	1/4	9.0		27 x 13		4.3	4.5	3.3	415	1	110.4
2	C#	C# G	G# 3.2					-									-			x		-	-	-	-	-	-
3	D	D G	A 3.3					-									-			x		-	-	-	-	-	-
4	D#	E G	A# 3.4			30.5	0.55	29.4		349	207	3.5		22.0	6.8	30	1/4	7.4	15	22 x 10		4.3	4.3	3.2	349	0	94.1
5	E	F G	B 3.5			29.4	0.55	28.3									-			x		-	-	-	-	-	90.6
6	F	C 3 ?	C 3.6			27.0	0.55	25.9			185						-			x	intrus	-	-	-	-	-	83.1
7	F#	G G	C# 3.7			28.0	0.55	26.9		289	205	3.3		21.0	5.5	27	1/4	6.4		x		4.1	4.9	3.8	292	3	86.2
8	G		D 3.8		54			-			185						-			x		-	-	-	-	-	-
9	G#	D	C# 3.3		53			-			183						-			x		-	-	-	-	-	-
10	A	D# 3	E 3.9			25.0	0.55	23.9		244	185	3.0		19.0	4.0	25	2/9	5.5		x		4.0	6.0	4.8	245	1	76.8
11	A#		F 3.11					-			185						-			x		-	-	-	-	-	-
12	B		F# 3.12					-			185						-			x		-	-	-	-	-	-
13	**C4**		G pr 38 27			21.2	0.50	20.2		205	185	2.6		14.7	3.6	22	1/4	5.0		17 x 8		4.4	5.6	4.1	206	1	65.0
14	C#		G# pr 38 26					-									-			x		-	-	-	-	-	-
15	D		A pr 39					-									-			x		-	-	-	-	-	-
16	D#	C	A# pr 40			19.5	0.50	18.5		170	185	2.8		14.2	3.5	20	1/4	4.3	12	15 x 7		4.2	5.3	4.1	172	2	59.7
17	E	C#	B pr 41					-									-			x		-	-	-	-	-	-
18	F		C pr 42					-									-			x	intrus	-	-	-	-	-	-
19	F#		C# pr 43			17.5	0.45	16.6		144	185	2.5		12.5	2.3	17	1/4	4.2		x		4.3	7.2	5.4	144	0	53.6
20	G	E	D 1.44					-									-			x		-	-	-	-	-	-
21	G#		D# 1.45					-									-			x		-	-	-	-	-	-
22	A	E	E 1.46			15.5	0.45	14.6		120	190	2.4		12.0	2.0	15	1/4	3.6	10	sans		3.9	7.3	6.0	120	0	47.3
23	A#		F 1.47					-									-			x		-	-	-	-	-	-
24	B		F# 1.48					-									-			x		-	-	-	-	-	-

MANTES-LA-JOLIE — **A 3 = 217.5 Hz**

Bombarde 16' — Changement de conicité au C4 (grossissement) — C1 > F1 pavillon en 2 parties (lg pavillon haut / lg pavillon bas = 1.33)

Alliage	Corps	Pieds
☐ martelé	74%	74%

G.O.		Marques				Corps							Pointe					Noyau			Anche								Rasette	Lang.	Entaille		Observations	Rallonge	
		Manuscrites		Poinçons		Coef.	Ø Ht	Ø Bas	Ep.	Long.	Long.	Long.	Coef.	Ø Ht	Ø Bas	Ep.	Long.	Ø	haut.	type	long.	sail.	sail.	Ø	Ø	ép.	larg.	haut.	Ø	ép.	larg.	posit.		Long. totale	Long.
435.0hz		Pieds	Corps	Pointe	Corps	pente	ext.	ext.	métal	réson.	recouv.	totale	pente	ext.	ext.	métal							calc.	int.	ext.		ouv.							calculée	rallonge
1	**C1**			C B	C B	3.75%	188.0	39.3	1.40	3965	125	4579	4.64%	48.1	**23.5**	1.30	530	55.0	67.0	A	192	142	142	15.8	19.0	1.6	8.7	16.7	3.3	0.66	38.0	180	cuir sur anche	4769	190
2	C#					-						-	-		23.5		560		67.0			138	136	14.8	18.0	1.6	8.9	15.2		0.63			"	-	-
3	D					-						-	-		**23.0**				67.0			132	130	14.8	18.0	1.6				0.63			"	-	-
4	D#			D# B	D# B	4.08%	173.5	41.0	1.10	3246	122	3901	4.58%	49.8	**22.5**	1.20	595		58.0			125	124	14.8	18.0	1.6				0.63	36.0	170	"	4001	100
5	E					-						-	-		21.5		604	47.0	59.0			125	119	13.8	16.8	1.5	8.0	14.6		0.59			"	-	-
6	F					-						-	-		21.3				59.0			108	113	13.8	16.8	1.5				0.58			"	-	-
7	F#			F# B	F# B	4.36%	156.0	37.5	1.10	2718	118	3327	4.52%	45.3	**20.0**	1.00	560		59.0			108	108	13.0	15.4	1.2	7.7	13.0	2.6	0.57	33.0	150	"	3380	52
8	G					-						-	-		19.7				59.0			103	104	13.0	15.4	1.2				0.56			"	-	-
9	G#					-						-	-		**19.5**			42.2	51.5			103	99	11.8	14.6	1.4	7.0	12.5		0.55			"	-	-
10	A			A B	A B	4.71%	142.0	35.7	1.00	2257	110	2816	4.72%	43.7	19.0	1.00	523		51.5			92	95	11.8	14.6	1.4				0.53	30.0	138	"	2831	15
11	A#					-						-	-						51.5			87	91	11.2	13.6	1.2	7.2	11.3		0.52			sans cuir	-	-
12	B					-						-	-						51.5			88	87	11.2	13.6	1.2				0.51				-	-
13	**C2**			C B	C B	5.14%	131.2	34.4	1.00	1882	87	2389	5.31%	42.2	17.5	1.30	465	39.0	46.0		120	83	83	10.4	12.8	1.2	6.6	10.5		0.52	33.0	128		2392	3
14	C#					-						-	-						46.0			82	79	10.4	12.8	1.2				0.47				-	-
15	D					-						-	-						46.0			77	76	10.4	12.8	1.2				0.48				-	-
16	D#			D# B	D# B	5.48%	119.3	31.4	1.00	1603	94	2011	5.94%	39.2	16.2	1.10	387	36.5	43.0			83	72	9.6	11.8	1.1	5.9	9.8		0.47	25.0	114		2009	-3
17	E					-						-	-						43.0			72	69	9.6	11.8	1.1				0.47				-	-
18	F					-						-	-						43.0			66	66	9.6	11.8	1.1				0.45				-	-
19	F#			F# B	F# B	5.87%	107.3	29.0	0.80	1333	88	1680	6.45%	36.8	15.5	1.10	330	34.0	42.0			66	63	8.6	10.8	1.1	5.7	9.0	2.4	0.45	23.0	90		1687	6
20	G					-						-	-						42.0			63	60	8.6	10.8	1.1				0.42				-	-
21	G#					-						-	-						42.0			57	58	8.6	10.8	1.1				0.40				-	-
22	A			A B	A B	6.53%	100.2	26.5	0.80	1129	78	1419	7.44%	35.0	14.8	1.00	271		42.0			63	55	8.6	10.8	1.1				0.40	21.0	89		1409	-10
23	A#					-						-	-						42.0			54	53	7.8	9.8	1.0	5.3	8.4		0.43				-	-
24	B					-						-	-						42.0			55	51	7.8	9.8	1.0				0.41				-	-
25	**C3**			C B	C B	7.39%	95.4	24.1	0.80	965	75	1198	8.02%	32.0	14.2	0.80	222	32.0	38.0	O+B	80	54	48	7.8	9.8	1.0				0.39	20.0	93		1190	-8
26	C#					-						-	-						38.0			50	46	7.8	9.8	1.0				0.38				-	-
27	D					-						-	-						38.0			47	44	7.0	8.8	0.9	5.0	7.4	2.1	0.38				-	-
28	D#			D# B	D# B	8.40%	91.0	21.5	0.75	827	70	1008	9.59%	29.5	13.0	0.80	172	30.5	37.0			53	42	7.0	8.8	0.9				0.38	19.5	87		1006	-2
29	E					-						-	-						37.0			42	40	7.0	8.8	0.9				0.36				-	-
30	F					9.04%	86.8	21.0	0.65	728	60	889	10.62%	27.9	12.5	0.80	145		37.0			48	39	7.0	8.8	0.9				0.38				893	4
31	F#			F# B		9.22%	84.0	13.0	0.65	770		842	-					28.5	35.0			45	37	7.0	8.8	0.9			1.9	0.34	19.0	82		840	-2
32	G	Manquant			NEUF	9.57%	82.0	12.6	0.65	725		795	-						35.0				35	7.0	8.8	0.9				0.34				791	-4
33	G#					-						-	-						35.0			44	34	6.3	8.3	1.0	4.8	7.0		0.32				-	-
34	A			A B		10.22%	78.0	11.8	0.65	648		714	-					28.0	34.0			36	32	6.3	8.3	1.0				0.32	17.0	76		705	-9
35	A#					-						-	-						34.0			41	31	5.8	7.8	1.0				0.33				-	-
36	B					10.88%	73.5	11.5	0.65	570		633	-						34.0			40	29	6.2	7.8	0.8	4.2	6.3		0.33	15.0	67		628	-5
37	**C4**			C B		12.91%	79.0	10.6	0.65	530		590	-					27.5	32.0			33	28	6.2	7.8	0.8				0.27	sans			597	7
38	C#					-						-	-						32.0			34	27	6.2	7.8	0.8				0.27				-	-
39	D					-						-	-					25.8	30.0			30	26	5.7	7.1	0.7	4.1	5.8		0.27				-	-
40	D#			D# B		13.64%	71.0	11.0	0.65	440		495	-						30.0			28	25	5.7	7.1	0.7				0.27				502	7
41	E					-						-	-						30.0			27	24	5.7	7.1	0.7				0.26				-	-
42	F					-						-	-						30.0			26	23	5.7	7.1	0.7				0.28				-	-
43	F#			F# B		15.50%	66.0	10.5	0.60	358		410	-						30.0			27	22	5.7	7.1	0.7				0.26				419	9
44	G					-						-	-					25.0	28.0			24	21	5.2	6.6	0.7	3.7	5.2		0.25				-	-
45	G#					-						-	-						28.0			25	20	5.2	6.6	0.7			1.9	0.25				-	-
46	A			A B		17.49%	63.0	10.0	0.60	303		350	-						28.0			25	19	5.2	6.6	0.7				0.20				353	3
47	A#					-						-	-						28.0			23	18	5.2	6.6	0.7				0.20				-	-
48	B					-						-	-						28.0			22	17	5.2	6.6	0.7				0.21				-	-
49	**C5**			C B		20.39%	61.0	9.0	0.60	255		297	-					23.0	26.0	O		20	16	5.2	6.6	0.7				0.20				296	-1
50	C#					-						-	-						26.0			18	16	4.6	5.8	0.6	3.6	4.7	1.7	0.19				-	-
51	D					-						-	-						26.0			16	15	4.6	5.8	0.6				0.17				-	-
52	D#					-						-	-						26.0			15	14	4.6	5.8	0.6				0.17				-	-
53	E					-						-	-						26.0			13	14	4.6	5.8	0.6				0.17				-	-
54	F					-						-	-						26.0			15	13	4.6	5.8	0.6				0.16				-	-
55	F#					-						-	-						26.0			12	13	4.6	5.8	0.6				0.14				-	-
56	G			G B		28.44%	55.5	8.0	0.60	167		205	-						26.0		29	12	12	4.6	5.8	0.6				0.14				198	-7

MANTES-LA-JOLIE **A 3 = 435. Hz**

Trompette 8' sur pointe C1 "Harm M. M. Août 1897"

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps							Pointe					Noyau			Anche								Rasette	Lang.	Entaille		Observations	Rallonge	
		Manuscrites		Poinçons		Coef.	Ø Ht	Ø Bas	Ep.	Long.	Long.	Long.	Coef.	Ø Ht	Ø Bas	Ep.	Long.	Ø	haut.	type	long.	sail.	sail.	Ø	Ø	ép.	larg.	haut.	Ø	ép.	larg.	posit.		Long. totale	Long.
435.0hz		Pieds	Corps	Pointe	Corps	pente	ext.	ext.	métal	réson.	recouv.	totale	pente	ext.	ext.	métal							calc	int.	ext.		ouv.							calculée	rallonge
1	**C1**			C T	C T	5.54%	140.0	35.5	0.90	1885	88	2393	6.06%	44.0	16.0	1.00	462	39.0	48.0	A	122	86	86	10.4	12.8	1.2	6.5	10.7	2.6	0.50	31.5	137		2406	13
2	C#					-						-	-						48.0			89	82	10.4	12.8	1.2				0.50				-	-
3	D					-						-	-						48.0			78	79	10.4	12.8	1.2				0.50				-	-
4	D#			D# T	D# T	6.16%	130.7	31.0	0.90	1618	94	2027	6.51%	40.0	15.0	1.00	384	36.0	44.0			76	75	9.6	12.0	1.2	6.2	9.9		0.48	27.5	128		2022	-5
5	E					-						-	-						44.0			73	72	9.6	12.0	1.2			2.4	0.48				-	-
6	F					-						-	-						44.0			66	68	9.6	12.0	1.2				0.48				-	-
7	F#			F# T	F# T	6.67%	120.3	30.2	0.80	1350	75	1711	7.22%	38.6	15.0	1.00	327		44.0			65	65	8.4	10.8	1.2	5.8	9.0		0.48	26.6	119		1704	-7
8	G					-						-	-					34.0	43.0			70	62	8.4	10.8	1.2				0.45				-	-
9	G#					-						-	-						43.0			57	60	8.4	10.8	1.2				0.44				-	-
10	A			A T	A T	7.46%	113.0	26.7	0.75	1157	80	1446	8.18%	35.0	13.0	1.00	269		43.0			57	57	8.4	10.8	1.2			2.2	0.43	24.5	110		1425	-21
11	A#					-						-	-						43.0			57	55	7.6	10.0	1.2	5.4	8.2		0.42				-	-
12	B					-						-	-						43.0			55	52	7.6	10.0	1.2				0.42				-	-
13	**C2**			C T	C T	8.18%	104.0	25.4	0.75	961	62	1207	9.22%	33.0	13.0	1.00	217	32.0	41.0	O+B	79	57	50	7.6	10.0	1.2				0.40	22.0	102		1198	-9
14	C#					-						-	-						41.0			49	48	7.6	10.0	1.2				0.36				-	-
15	D					-						-	-					31.0	36.0			53	45	6.8	8.8	1.0	5.0	7.3		0.36				-	-
16	D#			D# T	D# T	9.07%	96.9	22.7	0.75	818	65	1002	10.88%	31.0	12.5	1.00	170		36.0			45	43	6.8	8.8	1.0				0.36	21.5	84		1012	10
17	E					-						-	-						36.0			47	41	6.8	8.8	1.0				0.36				-	-
18	F			F T		9.99%	93.5	20.2	0.70	734	63	894	10.88%	29.0	13.0	1.00	147		36.0			40	40	6.8	8.8	1.0				0.36				899	5
19	F#	Manquant			NEUF	10.12%	92.5	14.0	0.75	776		848	-					28.2	34.0				38	6.4	8.4	1.0	4.7	6.9		0.36			NEUF	851	3
20	G			G T		10.66%	91.5	13.5	0.75	732		802	-						34.0			36	36	6.4	8.4	1.0			1.9	0.34	19.0	71		802	0
21	G#					-						-	-						34.0			40	35	6.4	8.4	1.0				0.36				-	-
22	A			A T		11.80%	88.0	12.0	0.75	644		711	-						34.0			36	33	6.4	8.4	1.0				0.34	19.0	78		712	1
23	A#					-						-	-					27.0	33.0			38	32	6.0	7.8	0.9	4.4	6.5		0.34				-	-
24	B					-						-	-						33.0			35	30	6.0	7.8	0.9				0.34				-	-
25	**C3**			C T		13.43%	83.0	11.4	0.75	533		595	-						33.0			40	29	6.0	7.8	0.9				0.31	18.0	79		600	5
26	C#					-						-	-						33.0			31	27	6.0	7.8	0.9				0.28	sans			-	-
27	D					-						-	-						33.0			37	26	6.0	7.8	0.9				0.28				-	-
28	D#			D# T		15.58%	81.0	11.5	0.70	446		502	-					26.0	31.0			26	25	5.5	7.1	0.8	3.9	5.8		0.28				507	5
29	E					-						-	-						31.0			26	24	5.5	7.1	0.8				0.25				-	-
30	F					-						-	-						31.0			30	23	5.5	7.1	0.8				0.31				-	-
31	F#			F# T		17.53%	76.0	10.8	0.70	372		425	-						31.0			24	22	5.5	7.1	0.8				0.26				424	-1
32	G					-						-	-					25.0	30.0			23	21	5.5	7.1	0.8				0.26				-	-
33	G#					-						-	-						30.0			25	20	5.1	6.5	0.7	3.4	5.2		0.23				-	-
34	A			A T		20.39%	73.0	10.2	0.65	308		357	-						30.0			25	19	5.1	6.5	0.7				0.23				358	1
35	A#					-						-	-						30.0			26	18	5.1	6.5	0.7				0.22				-	-
36	B			B T		22.01%	69.0	10.0	0.65	268		315	-						30.0			20	17	5.1	6.5	0.7				0.20				318	2
37	**C4**			C T		11.69%	74.0	10.3	0.70	545		592	-						30.0			20	17	5.1	6.5	0.7				0.22				583	-8
38	C#					-						-	-					23.0	28.0			18	16	4.6	5.8	0.6	3.5	4.8	1.6	0.20				-	-
39	D					-						-	-						28.0			14	15	4.6	5.8	0.6				0.20				-	-
40	D#			D# T		13.60%	72.0	10.0	0.70	456		499	-						28.0			15	15	4.6	5.8	0.6				0.17				493	-6
41	E					-						-	-						28.0			15	14	4.6	5.8	0.6				0.17				-	-
42	F					-						-	-						28.0			12	13	4.6	5.8	0.6				0.16				-	-
43	F#			F# T		15.87%	69.0	9.0	0.65	378		416	-					22.0	25.0			14	13	4.0	5.2	0.6	3.1	4.1		0.14				417	1
44	G					-						-	-						25.0			14	12	4.0	5.2	0.6				0.16				-	-
45	G#					-						-	-						25.0			12	12	4.0	5.2	0.6				0.12				-	-
46	A			A T		18.21%	66.0	9.0	0.65	313		349	-						25.0			10	11	4.0	5.2	0.6				0.13				350	1
47	A#					-						-	-						25.0			12	11	4.0	5.2	0.6				0.13				-	-
48	B					-						-	-						25.0	O		13	10	4.0	5.2	0.6				0.11			sans bague	-	-
49	**C5**			C T		21.40%	64.0	9.0	0.65	257		293	-					21.0	26.0	O+B		7	10	3.8	5.0	0.6	3.0	3.8		0.11				294	2
50	C#					-						-	-						24.0	O		7	9	3.8	5.0	0.6				0.13				-	-
51	D					-						-	-						24.0			14	9	3.8	5.0	0.6				0.12				-	-
52	D#					-						-	-						24.0			9	8	3.8	5.0	0.6				0.12				-	-
53	E					-						-	-						24.0			10	8	3.8	5.0	0.6				0.10				-	-
54	F					-						-	-						24.0			9	8	3.8	5.0	0.6				0.10				-	-
55	F#					-						-	-						24.0			11	7	3.8	5.0	0.6				0.10				-	-
56	G			G T		32.12%	61.0	8.0	0.65	165		196	-					21.0	24.0		21	7	7	3.8	5.0	0.6				0.10				196	0

MANTES-LA-JOLIE **A 3 = 870. Hz**

Clairon 4' 8 pieds lépreux changés gravé sur A#2 : "Emmeline est venue visiter nos travaux et a joué de l'orgue le 9 novembre 1897"

Alliage	Corps	Pieds
☐ martelé	-	-

G.O.		Marques				Corps							Pointe					Pied	Noyau			Bouche		Anche							Rasette	Lang.	Entaille		Observations	Rallonges tuyaux à bouches		
		Manuscrites		Poinçons		coef.	Ø ht.	Ø bas	ép.	long.	long.	long.	coef.	Ø ht	Ø Bas	ép.	long.	long.	Ø	haut.	type	larg.	haut.	long.	sail.	Sail.	Ø	Ø	ép.	larg.	haut.	Ø	ép.	larg.	posit.		long.	long.	développé
435.0hz		Pieds	Corps	Pointe	Corps	pente	ext.	ext.	métal	réson.	recouv.	Totale	pente	ext.	ext.	métal										calc.	int.	ext.		ouv.							calculée	rallonge	rallonge
1	**C1**	pavillon à changer ?			F# T H	6.42%	85.0	17.0	0.80	1060	65	1198	6.70%	23.5	16.0	1.00	112		34.0	41.0	A			78	50	50	7.6	10.0	1.2	5.3	8.2	2.0	0.40	18.0	87		1189	-9	
2	C#		C Clairon	B T H		9.20%	110.0	18.0	0.75	1000	70	1142	7.48%	27.0	17.5	0.90	127		30.0	38.0					47	47	7.6	10.0	1.2				0.40	23.0	107		1148	5	
3	D					-						-	-							38.0					48	45	7	9.0	1.0	5.1	7.3		0.40				-	-	
4	D#					9.94%	104.0	19.0	0.75	855	32	1020	8.55%	25.0	15.0	1.00	117		34.0	38.0					43	42	7	9.0	1.0				0.37	21.0	100		1025	5	
5	E					-						-	-							38.0					41	40	7	9.0	1.0				0.38				-	-	
6	F					-						-	-							38.0					36	38	6.5	8.5	1.0	4.8	7.4		0.37				-	-	
7	F#					11.10%	98.0	17.0	0.80	730	37	864	9.28%	23.0	14.0	1.00	97			38.0					36	36	6.7	8.5	0.9	4.5	7.0		0.33	20.0	97		862	-2	
8	G					11.45%	96.0	12.2	0.80	732		804	-							38.0					35	34	6.7	8.5	0.9				0.31			pointe cassée	812	8	
9	G#					-						-	-							38.0					34	32	6.7	8.5	0.9				0.31				-	-	
10	A					12.41%	91.5	12.3	0.75	638		704	-						30.0	36.0					30	30	6.7	8.5	0.9				0.35	20.0	92	pointe cassée	721	17	
11	A#					12.82%	90.0	12.2	0.75	607		672	-							36.0					33	29	6.2	7.8	0.8	4.4	6.4		0.32			pointe cassée	684	12	
12	B					13.14%	86.5	12.1	0.75	566		629	-							36.0					27	27	6.2	7.8	0.8				0.32			pointe cassée	643	14	
13	**C2**					13.40%	83.0	11.7	0.70	532		593	-							36.0				53	28	25	6.2	7.8	0.8				0.29	sans			605	12	
14	C#					-						-	-							36.0					28	24	6.2	7.8	0.8				0.27				-	-	
15	D					14.75%	81.0	11.4	0.70	472		531	-							36.0					22	23	6	7.6	0.8				0.29			pointe cassée	539	9	
16	D#					15.35%	79.0	11.3	0.70	441		499	-							36.0					25	22	5.4	7.0	0.8	3.8	5.8		0.25			pointe cassée	512	13	
17	E					-						-	-							36.0					22	20	5.4	7.0	0.8				0.26				-	-	
18	F					-						-	-							36.0					16	19	5.4	7.0	0.8				0.28				-	-	
19	F#					16.97%	74.0	11.2	0.70	370		421	-						28.0	33.0					23	18	5.4	7.0	0.8				0.25			pointe cassée	428	7	
20	G					-						-	-							33.0					21	17	5.4	7.0	0.8				0.25				-	-	
21	G#					18.44%	70.0	11.0	0.70	320		369	-							33.0					20	16	4.9	6.5	0.8	3.8	5.2	1.8	0.27			pointe cassée	382	13	
22	A					18.85%	68.5	11.0	0.65	305		353	-							33.0					20	15	4.9	6.5	0.8				0.21				360	7	
23	A#					20.29%	67.0	11.0	0.65	276		324	-							33.0					23	15	4.9	6.5	0.8				0.22			pointe cassée	339	16	
24	B					21.07%	66.0	10.8	0.65	262		309	-							33.0					20	14	4.9	6.5	0.8				0.21			pointe cassée	320	11	
25	**C3**					21.98%	65.0	10.5	0.60	248		293	-						27.0	32.0				37	24	13	4.9	6.5	0.8				0.18				302	9	
26	C#					23.12%	64.5	10.4	0.60	234		278	-							32.0					13	12	4.6	5.8	0.6	3.5	4.7		0.18			pointe cassée	287	8	
27	D					24.00%	63.0	10.2	0.60	220		264	-							32.0					13	12	4.6	5.8	0.6				0.18			pointe cassée	270	6	
28	D#					25.02%	62.0	10.2	0.60	207		249	-						24.0	31.0					12	11	4.6	5.8	0.6				0.18			pointe cassée	255	6	
29	E			ancien F		26.28%	61.6	10.1	0.65	196		237	-							31.0						10	4.6	5.8	0.6				0.16				240	3	
30	F			ancien G		27.60%	61.0	10.5	0.60	183		224	-							31.0					10	10	4.6	5.8	0.6				0.16				226	3	
31	F#			ancien F#		28.57%	58.0	10.0	0.60	168		208	-							31.0					7	9	4	5.2	0.6	3.1	4.2		0.16			pointe cassée	215	7	
32	G			ancien B		29.81%	57.7	10.3	0.60	159		199	-							31.0					6	9	4	5.2	0.6				0.16				203	4	
33	G#			ancien G#		30.34%	53.0	9.0	0.60	145		184	-							31.0					8	8	4	5.2	0.6				0.15				190	6	
34	A			ancien A#		33.29%	55.6	9.0	0.60	140		179	-							31.0					8	8	4	5.2	0.6				0.11			pointe cassée	180	1	
35	A#			ancien A		33.94%	55.5	9.0	0.60	137		175	-							31.0					7	7	4	5.2	0.6				0.11			pointe cassée	170	-5	
36	B	manquant		NEUF		35.38%	55.0	9.0	0.60	130		166	-						23.0	29.0				27	6	7	4	5.2	0.6				0.11				162	-4	
37	**C4**				C C	-	20.0		0.45	144		144	-					44 + 230				14.6	3.2				-							4.3	16		151	7	61.4
38	C#					-						-	-														-										-	-	-
39	D					-	18.3		0.45	133		133	-														-										134	1	56.1
40	D#				D# C	-	15.7		0.50	127		127	-					38+225				10.7	3.1				-							4.0	15		128	1	47.8
41	E					-						-	-														-										-	-	-
42	F					-						-	-														-										-	-	-
43	F#				F# C	-	15.8		0.50	104		104	-					41+230				11.4	2.6				-							3.0	14		106	2	48.1
44	G					-	13.4		0.50	101		101	-														-										101	0	40.5
45	G#					-	17.0		0.50	92		92	-														-										93	1	51.8
46	A				A C	-	16.4		0.50	87		87	-					54+210				11.3	2.6				-							5.0	16		87	0	50.0
47	A#					-						-	-														-										-	-	-
48	B					-	15.0		0.50	78		78	-														-										77	-1	45.6
49	**C5**				C C	-	14.5		0.50	72		72	-					53+210				9.6	2.0				-							4.3	14		73	1	44.0
50	C#					-						-	-														-										-	-	-
51	D					-						-	-														-										-	-	-
52	D#				D# C	-	13.4		0.55	60		60	-					54+210				9.2	2.0				-							3.5	12		61	1	40.4
53	E					-						-	-														-										-	-	-
54	F					-						-	-														-										-	-	-
55	F#		intrus			-						-	-														-										-	-	-
56	G				G C	-	11.2		0.50	47		47	-					54+210				7.5	1.6				-							3.5	11		48	1	33.6

MANTES-LA-JOLIE

Quintaton 16'

(Longueur corps = fréquence / 2)

A 3 = 217.5 hz

Alliage	Corps	Pieds
☐ martelé	-	-

Positif		Marques				Corps											Pied			Bouche			Calotte		Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Ø Int.	√	Prof.	Rap	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Ep	Marque	Haut.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		Obernai / Strasbg	6.5	int.		int.	bloc	accord	totale		ouv.	bas			couv.					/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	Dim extérieures		183	160		22.00	143.3	167*135/165*136		139	1.20	116	110	2513	2623	100	24.0		116	44.0	28				x	Bavette rouleau	3.9	3.3	2.6	2513	0	-
2	C#	neuf		178	155		22.00	137.5	équiv (169) / (169)		134	1.20	111	110	2370	2480	100	24.0		111	42.0					x	Bavette rouleau	3.9	3.3	2.6	2370	0	-
3	D	neuf		172	151		22.00	132.2			128	1.20	107	110	2235	2345	100	24.0		107	40.0					x	Bavette rouleau	3.9	3.3	2.7	2235	0	-
4	D#	neuf		167	147		22.00	127.0			123	1.20	103	95	2108	2203	100	24.0		103	38.0					x	Bavette rouleau	3.9	3.3	2.7	2108	0	-
5	E	neuf		159	139		20.00	122.2	/ 138*112 (140)		119	1.20	99	95	1988	2083	100	20.0		99	36.0	26				x	Bavette rouleau	3.9	3.4	2.7	1988	0	-
6	F	neuf		154	135		20.00	117.5	(136) 135*108 /		114	1.20	95	95	1874	1969	100	20.0		95	34.0					x	Bavette rouleau	3.9	3.5	2.8	1874	0	-
7	F#	neuf		150	132		20.00	113.3			110	1.20	92	80	1767	1847	100	20.0		92	32.0					x	Bavette rouleau	3.9	3.5	2.9	1767	0	-
8	G	neuf		146	128		20.00	109.2			106	1.20	88	80	1666	1746	100	20.0		88	30.0					x	Bavette rouleau	3.9	3.6	2.9	1666	0	-
9	G#	neuf		138	121		18.00	105.4	/ 115*97 (119)		102	1.20	85	80	1571	1651	100	16.0		85	28.0	24				x	Bavette rouleau	3.9	3.8	3.0	1571	0	-
10	A	neuf		135	118		18.00	101.7			99	1.20	82	70	1481	1551	100	16.0		82	26.0					x	Bavette rouleau	3.9	3.9	3.2	1481	0	-
11	A#	neuf		131	116		18.00	98.3			95	1.20	80	70	1396	1466	100	16.0		80	24.0					x	Bavette rouleau	3.9	4.1	3.3	1396	0	-
12	B	neuf		128	113		18.00	94.8			92	1.20	77	70	1316	1386	100	16.0		77	22.0					x	Bavette rouleau	3.9	4.3	3.5	1316	0	-
13	**C2**	C			C	86.0	0.90	84.2	104*85 /101*85	*84.0*					1178	1178	245	7.2		65.0	20.0			86		75 x 22	bavette	4.1	4.2	3.3	1202	24	267.3
14	C#							-	équiv (106) / (105)	*80.8*					0											x	"	-	-	-	1241	1241	-
15	D							-		*77.7*					0											x	"	-	-	-	1171	1171	-
16	D#	D#			D#	77.5	0.90	75.7		*74.7*					980	980	230	7.0		57.0	17.0			78		65 x 22	"	4.2	4.5	3.4	1004	24	240.6
17	E							-	/ 84*71 (87)	*71.9*					0											x	"	-	-	-	1043	1043	-
18	F							-	(85) 82*69 /	*69.1*					0											x	"	-	-	-	985	985	-
19	F#	F#			F#	69.0	0.85	67.3		*66.5*					815	815	212	6.5		53.0	15.0			69	30	55 x 21	"	4.0	4.5	3.5	840	25	214.1
20	G							-		*63.9*					0											x	"	-	-	-	877	877	-
21	G#							-	/ 70*58 (72)	*61.5*					0											x	"	-	-	-	828	828	-
22	A	A			A	62.3	0.90	60.5		*59.1*					674	674	210	6.2		48.0	13.5			62	30	51 x 19	"	4.0	4.5	3.6	701	27	192.9
23	A#							-		*56.9*					0											x	"	-	-	-	738	738	-
24	B							-		*54.7*					0											x	"	-	-	-	696	696	-
25	**C3**	C			C	55.6	0.80	54.0	62.2 / 56*47 (63)	*52.6*					564	564	200	5.3		42.0	11.0			51		46 x 20	"	4.1	4.9	3.8	585	21	172.3
26	C#							-		*50.6*					0											x	"	-	-	-	620	620	-
27	D							-		*48.7*					0											x	"	-	-	-	586	586	-
28	D#	D#			D#	49.0	0.80	47.4		*46.8*					471	471	200	5.5		38.0	10.0			48	25	41 x 20	"	4.0	4.7	3.8	489	18	151.5
29	E							-	/ 52.1	*45.0*					0											x	"	-	-	-	522	522	-
30	F							-	50.7 /	*43.3*					0											x	"	-	-	-	492	492	-
31	F#	F#			F#	43.8	0.80	42.2		*41.6*					387	387	202	5.0		32.0	9.5			44	25	36 x 15	"	4.2	4.4	3.4	408	21	135.1
32	G							-		*40.0*					0											x	"	-	-	-	439	439	-
33	G#							-	/ 45.0	*38.5*					0											x	"	-	-	-	414	414	-
34	A	A			A	39.1	0.75	37.6		*37.0*					323	323	197	4.7		29.5	8.5			39		33 x 15	"	4.1	4.4	3.5	341	18	120.6
35	A#							-		*35.6*					0											x	"	-	-	-	369	369	-
36	B							-		*34.3*					0											x	"	-	-	-	348	348	-
37	**C4**	C			C	35.5	0.75	34.0	38.7 / 43.2	*32.9*					269	269	200	4.3		26.3	7.5			35	20	31 x 14	"	4.2	4.5	3.5	283	14	109.2
38	C#							-		*31.7*					0											x	"	-	-	-	310	310	-
39	D							-		*30.5*					0											x	"	-	-	-	293	293	-
40	D#	D#			D#	32.3	0.75	30.8		*29.3*					224	224	200	4.0		23.4	6.5			33	20	28 x 13	"	4.2	4.7	3.6	235	11	99.0
41	E							-	/ 37.6	*28.2*					0											x	"	-	-	-	261	261	-
42	F							-	34.2 /	*27.1*					0											x	"	-	-	-	246	246	-
43	F#	F#			F#	29.2	0.75	27.7		*26.1*					185	185	200	4.3		21.2	6.0			29	20	25 x 12	"	4.2	4.6	3.5	195	10	89.3
44	G							-		*25.1*					0											x	"	-	-	-	219	219	-
45	G#							-	/ 33.4	*24.1*					0											x	"	-	-	-	207	207	-
46	A	A			A	26.0	0.70	24.6		*23.2*					154	154	195	3.7		19.0	5.5			26	20	23 x 11	"	4.2	4.5	3.5	163	9	79.5
47	A#							-		*22.3*					0											x	"	-	-	-	184	184	-
48	B							-		*21.5*					0											x	"	-	-	-	174	174	-
49	**C5**	C			C	23.4	0.70	22.0	27.2 / 29.6	*20.6*					130	130	195	3.5		17.2	5.0			22	20	20 x 9	"	4.1	4.4	3.4	135	5	71.3
50	C#							-		*19.8*					0											x	"	-	-	-	155	155	-
51	D							-		*19.1*					0											x	"	-	-	-	146	146	-
52	D#				D#	21.1	0.70	19.7		*18.4*					105	105	195	3.5		15.2	4.5			20	15	19 x 8	"	4.2	4.4	3.4	112	7	64.1
53	E							-	/ 26.0	*17.7*					0											x	"	-	-	-	130	130	-
54	F							-	23.4 /	*17.0*					0											x	"	-	-	-	123	123	-
55	F#							-		*16.3*					0											x	"	-	-	-	116	116	-
56	G				G	17.1	0.70	15.7		*15.7*					84	84	195	2.9		12.3	3.5			17	15	16 x 7	"	4.2	4.5	3.5	89	5	51.5

MANTES-LA-JOLIE

Principal 8'

A 3 = 435.0 hz

Alliage	Corps	Pieds
☐ martelé	-	-

Positif		Marques				Corps								Pied				Bouche			Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	faux S.	Larg.	Haut.	Ep	Pos.	Larg.	Larg/				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		int.	int.	bloc	accord	totale		ouv.	bas	142			couv.	(L)		Ø int.				/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	Dimensions ext		127	115		16.00	100.2	95	83	75	2285	2558	100	26.0			85.0	24.0		(180)	28.0	0.28		x	id S8	3.7	4.2	3.5	2500	17	314.8
2	C#			0	0			-																	x	"	-	-	-	-	-	
3	D			124	107		15.00	96.0	94	77	75	2075	2297	100	24.0			78.0	20.0		(143)	25.0	0.26		x	"	3.9	4.8	3.9	2215	-7	301.6
4	D#			0	0			-																	x	"	-	-	-	-	-	
5	E			105	101		14.00	84.6	77	73	75	1870	2055	100	22.0			75.0	17.0		(134)	23.0	0.27		x	"	3.5	5.0	4.4	1982	2	265.8
6	F			0	0			-																	x	"	-	-	-	-	-	
7	F#			96	90		12.00	77.8	72	66	61	1625	1820	98	21.0			65.0	16.0		(118)	20.0	0.26		x	"	3.8	4.9	4.1	1761	2	244.4
8	G			0	0			-																	x	"	-	-	-	-	-	
9	G#			84	81		10.00	70.5	64	61	60	1430	1625	100	21.0			60.0	15.0		(116)	18.0	0.26		x	"	3.7	4.7	4.0	1569	4	221.5
10	A			0	0			-																	x	"	-	-	-	-	-	
11	A#			79	76		10.00	64.9	59	56	60	1194	1420	100	20.0			55.0	17.0		(125)	19.0	0.29		x	"	3.7	3.8	3.2	1395	35	203.8
12	B	NEUF en bois		79	76		10.00	64.9	59	56	60							55.0	17.0						x	"	3.7	3.8	3.2	1313	1313	203.8
13	**C2**	C	E M Juillet 1897		C P	78.4	0.90	76.6					1261	218	8.0		60	60.0	17.0		74	18.0	0.23	30	60 x 22		4.1	4.5	3.5	1263	2	243.6
14	C#							-									58								x		-	-	-	-	-	-
15	D							-									56								x		-	-	-	-	-	-
16	D#	d# p			D# P	69.7	0.85	68.0					1056	208	8.3		54	52.5	16.0		69	17.5	0.26	30	x		4.1	4.2	3.3	1059	3	216.2
17	E							-									52								x		-	-	-	-	-	-
18	F							-									50								x		-	-	-	-	-	-
19	F#	f# p			F# P	61.9	0.80	60.3					885	205	8.1		49	47.0	13.5		62	15.5	0.26	30	47 x 13		4.1	4.5	3.5	889	4	191.8
20	G							-									47								x		-	-	-	-	-	-
21	G#							-									46								x		-	-	-	-	-	-
22	A	a p			A P	55.3	0.80	53.7					743	200	7.0		44	41.1	11.0		55	13.0	0.24	25	47 x 17		4.2	4.9	3.7	745	2	171.2
23	A#							-									42								x		-	-	-	-	-	-
24	B							-									41								x		-	-	-	-	-	-
25	**C3**	C			C P	48.7	0.75	47.2					624	200	6.0		40	36.8	10.3		48	12.0	0.25	25	39 x 9		4.1	4.6	3.6	625	1	150.5
26	C#							-									38								x		-	-	-	-	-	-
27	D							-									36								x		-	-	-	-	-	-
28	D#	d# p			D# P	43.6	0.70	42.2					522	200	5.2		35	33.3	9.1		42	10.0	0.24	25	32 x 14		4.0	4.6	3.7	524	2	134.7
29	E							-									34								x		-	-	-	-	-	-
30	F							-									33								x		-	-	-	-	-	-
31	F#	f# p			F# P	39.7	0.65	38.4					439	200	5.3		32	29.0	8.5		39	9.3	0.24	25	33 x 13		4.2	4.5	3.4	439	0	122.6
32	G							-									31								x		-	-	-	-	-	-
33	G#							-									30								x		-	-	-	-	-	-
34	A	a p			A P	35.5	0.65	34.2					368	200	5.5		29	26.2	7.5		35	8.1	0.24	20	29 x 12		4.2	4.6	3.5	368	0	109.5
35	A#							-									28								x		-	-	-	-	-	-
36	B							-									27								x		-	-	-	-	-	-
37	**C4**	C			C P	32.3	0.60	31.1					308	200	4.5		27	24.5	6.4		32	7.5	0.24	20	24 x 10		4.1	4.9	3.8	307	-1	99.6
38	C#							-									26								x		-	-	-	-	-	-
39	D							-									25								x		-	-	-	-	-	-
40	D#	d# p			D# P	29.4	0.60	28.2					257	198	4.1		24	22.0	5.7		28	7.2	0.26	20	22 x 10		4.1	5.0	3.9	257	0	90.6
41	E							-									24								x		-	-	-	-	-	-
42	F							-									24								x		-	-	-	-	-	-
43	F#	f# p			F# P	26.7	0.60	25.5					215	198	4.7		22	20.0	4.7		27	6.0	0.23	20	19 x 8		4.1	5.4	4.3	215	0	82.1
44	G							-									22								x		-	-	-	-	-	-
45	G#							-									20								x		-	-	-	-	-	-
46	A	a p			A P	24.0	0.60	22.8					180	195	3.7		20	18.1	4.5		23	5.3	0.23	20	18 x 8		4.1	5.1	4.0	180	0	73.5
47	A#							-									20								x		-	-	-	-	-	-
48	B							-									19								x		-	-	-	-	-	-
49	**C5**	c p			C P	22.0	0.60	20.8					150	195	4.0		18	16.5	4.0		21	4.5	0.22	20	17 x 7		4.1	5.2	4.1	150	0	67.2
50	C#							-									18								x		-	-	-	-	-	-
51	D							-									17								x		-	-	-	-	-	-
52	D#							-									16								x		-	-	-	-	-	-
53	E							-									16								x		-	-	-	-	-	-
54	F							-									15								x		-	-	-	-	-	-
55	F#							-									14								x		-	-	-	-	-	-
56	G	g p			G P	15.8	0.50	14.8					99	190	4.0		13	11.4	3.1		15	3.5	0.24	15	13 x 8		4.2	4.8	3.7	99	0	48.1

MANTES-LA-JOLIE

Bourdon 8'

1ere octave en copie du bourdon 16 G.O.

A 3 = 435.0 hz

Alliage	Corps	Pieds
☐ martelé	-	-

Positif		Marques				Corps									Pied			Bouche			Cheminée			Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	√	Prof.	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Ep	Long.	Dev	Ø				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		5.0	int.	int.	bloc	accord	totale		ouv.	bas			couv.							/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	C1		Neuf	146	123		15.00	117.2	117.2	116	93	100		1308	1000	24.0		92.0	26.0	24					x		#####	4.5	3.5	2434	1126	-
2	C#		Neuf	141	119		15.00	112.2	113.3	111	89	100		1248											x		-	-	-	2295	1046	-
3	D		Neuf	137	116		15.00	108.2	109.6	107	86	100		1191											x		-	-	-	2162	970	-
4	D#		Neuf	128	109		13.00	103.8	106.0	102	83	100		1137	100	18.0		82.0	23.0	24					x		#####	4.5	3.6	2038	901	-
5	E		Neuf	124	106		13.00	99.9	102.5	98	80	100		1078											x		-	-	-	1920	842	-
6	F		Neuf	121	103		13.00	96.5	99.1	95	77	100		1023											x		-	-	-	1809	786	-
7	F#		Neuf	118	100		13.00	93.1	95.8	92	74	100		970	100	20.0		74.0	20.0	25					x		#####	4.7	3.7	1704	734	-
8	G		Neuf	114	97		13.00	89.2	92.7	88	71	75		924											x		-	-	-	1606	682	-
9	G#		Neuf	108	94		13.00	84.3	89.6	82	68	75		880											x		-	-	-	1516	636	-
10	A		Neuf	104	91		13.00	80.3	86.7	78	65	75		838	100	19.0		66.0	25.0	25					x		#####	3.2	2.6	1429	591	-
11	A#		Neuf	100	89		13.00	77.0	83.8	74	63	75		798											x		-	-	-	1347	549	-
12	B		Neuf	96	86		13.00	73.1	81.0	70	60	75		760	113	20.0		61.0	22.0	25					x		#####	3.3	2.8	1271	511	-
13	C2					71.0	0.75	69.5	69.5				552	552	205			52.5	21.7						x		4.2	3.2	2.4	545	-7	220.7
14	C#					68.2	0.75	66.7	67.2				520		205			50.4	20.8						x		4.2	3.2	2.4	513	-6	211.8
15	D					65.5	0.75	64.0	65.0				489		205			48.4	20.0						x		4.2	3.2	2.4	484	-6	203.3
16	D#					62.9	0.75	61.4	62.8				461	463	205			46.5	19.2						x		4.2	3.2	2.4	456	-5	195.2
17	E					60.4	0.75	58.9	60.8				434		205			44.6	18.4						x		4.2	3.2	2.4	430	-4	187.3
18	F					58.0	0.75	56.5	58.8				408		205			42.8	17.6						x		4.2	3.2	2.4	405	-4	179.8
19	F#					55.5	0.70	54.1	56.8				385	380	205			41.0	15.9						x		4.2	3.4	2.6	382	-3	172.2
20	G					54.1	0.70	52.7	55.0				362		205			40.0	15.5						x		4.2	3.4	2.6	359	-3	167.8
21	G#					52.6	0.70	51.2	53.1				341		205			38.8	15.1						x		4.2	3.4	2.6	338	-3	163.0
22	A					51.1	0.70	49.7	51.4				321	308	205			37.7	14.6						x		4.2	3.4	2.6	318	-3	158.3
23	A#					49.6	0.70	48.2	49.7				302		205			36.6	14.2						x		4.2	3.4	2.6	299	-3	153.7
24	B					48.2	0.70	46.8	48.1				285		205			35.5	13.8						x		4.2	3.4	2.6	281	-4	149.3
25	C3					46.5	0.65	45.2	46.5				295		200			34.3	12.6		96	38	12.0		x		4.2	3.6	2.7	291	-4	144.0
26	C#					44.8	0.65	43.5	44.9				279		200			33.0	12.1		94	38	12.0		x		4.2	3.6	2.7	274	-5	138.7
27	D					43.2	0.65	41.9	43.5				264		200			31.8	11.6		92	38	12.0		x		4.2	3.6	2.7	258	-6	133.5
28	D#					41.6	0.65	40.3	42.0				249		200			30.6	11.2		90	38	12.0		x		4.2	3.6	2.7	243	-6	128.6
29	E					40.1	0.65	38.8	40.6				235		200			29.5	10.8		88	36	11.5		x		4.2	3.6	2.7	229	-7	123.8
30	F					38.6	0.65	37.3	39.3				222		200			28.4	10.4		86	36	11.5		x		4.2	3.6	2.7	215	-7	119.2
31	F#					37.5	0.60	36.3	38.0				209		200			27.6	9.6		84	36	11.5		x		4.2	3.8	2.9	202	-7	115.9
32	G					36.4	0.60	35.2	36.8				197		200			26.8	9.3		82	36	11.5		x		4.2	3.8	2.9	190	-7	112.6
33	G#					35.4	0.60	34.2	35.5				185		200			26.0	9.0		80	35	11.0		x		4.2	3.8	2.9	179	-6	109.3
34	A					34.4	0.60	33.2	34.4				173		200			25.3	8.7		78	35	11.0		x		4.2	3.8	2.9	168	-5	106.1
35	A#					33.4	0.60	32.2	33.2				162		200			24.5	8.5		76	35	11.0		x		4.2	3.8	2.9	158	-5	103.1
36	B					32.5	0.60	31.3	32.1				152		200			23.8	8.2		75	35	11.0		x		4.2	3.8	2.9	148	-4	100.1
37	C4					31.5	0.60	30.3	31.1				143		195			23.1	7.6		73	33	10.5		x		4.2	4.0	3.1	139	-4	97.1
38	C#					29.2	0.60	28.0	30.1				134		195			21.4	7.0		71	33	10.5		x		4.2	4.0	3.1	132	-2	89.8
39	D					28.1	0.60	26.9	29.1				125		195			20.6	6.7		69	33	10.5		x		4.2	4.0	3.1	124	-2	86.5
40	D#					27.1	0.60	25.9	28.1				118		195			19.9	6.5		67	33	10.5		x		4.2	4.0	3.1	117	-1	83.4
41	E					26.2	0.60	25.0	27.2				110		195			19.1	6.2		65	31	10.0		x		4.2	4.0	3.1	110	-1	80.4
42	F					25.3	0.60	24.1	26.3				103		195			18.5	6.0		63	31	10.0		x		4.2	4.0	3.1	103	0	77.5
43	F#					24.5	0.55	23.4	25.4				97		195			17.9	5.6		61	31	10.0		x		4.2	4.2	3.2	97	0	75.2
44	G					23.9	0.55	22.8	24.6				91		195			17.5	5.4		58	31	10.0		x		4.2	4.2	3.2	91	0	73.5
45	G#					23.4	0.55	22.3	23.8				85		195			17.1	5.3		56	30	9.5		x		4.2	4.2	3.2	85	0	71.8
46	A					22.9	0.55	21.8	23.0				80		195			16.7	5.2		53	30	9.5		x		4.2	4.2	3.2	80	0	70.1
47	A#					22.4	0.55	21.3	22.2				75		195			16.3	5.1		51	30	9.5		x		4.2	4.2	3.2	75	0	68.5
48	B					21.9	0.55	20.8	21.5				70		195			15.9	4.9		49	30	9.5		x		4.2	4.2	3.2	70	-1	66.9
49	C5					21.5	0.50	20.5	20.8				66		195			15.7	4.7		46	28	9.0		x		4.2	4.4	3.4	65	-1	66.0
50	C#					21.1	0.50	20.1	20.1				62		195			15.4	4.6		44	28	9.0		x		4.2	4.4	3.4	61	-1	64.9
51	D					20.8	0.50	19.8	19.4				58		195			15.2	4.5		42	28	9.0		x		4.2	4.4	3.4	57	-1	63.8
52	D#					20.5	0.50	19.5	18.8				54		195			14.9	4.4		40	28	9.0		x		4.2	4.4	3.4	53	-1	62.7
53	E					20.1	0.50	19.1	18.2				51		195			14.7	4.2		39	27	8.5		x		4.2	4.6	3.5	49	-2	61.7
54	F					19.8	0.50	18.8	17.6				48		195			14.4	4.1		37	27	8.5		x		4.2	4.6	3.5	46	-2	60.6
55	F#					19.5	0.50	18.5	17.0				45		195			14.2	4.0		35	27	8.5		x		4.2	4.6	3.5	43	-2	59.7
56	G					19.2	0.50	18.2	16.4				42		195			14.0	4.0		34	27	8.5		x		4.2	4.6	3.5	40	-2	58.7

MANTES-LA-JOLIE

Salicional 8'

A 3 : 435.0 hz

Alliage	Corps	Pieds
☐ martelé	-	-

Positif		Marques		Corps						Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Ø Ext.	Ep.	Ø Int.	√	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	l/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps		métal		6.5	accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	Basses communes avec Principal 8				100.2	*0.0*		2558	100	26		85.0	24.0	(180)	0.28	28.0		x	id P8	3.7	4.2	3.5	2562	4	314.8
2	C#					-	*0.0*		0	0	0		0.0	0.0	0.0	0.00	0.0		x	"						
3	D					96.0	*0.0*		2297	100	24		78.0	20.0	(143)	0.26	25.0		x	"	3.9	4.8	3.9	2278	-19	301.6
4	D#					-	*0.0*		0	0	0	22.0	0.0	0.0	0.0	0.00	0.0		x	"						
5	E					84.6	*0.0*		2055	100	22		75.0	17.0	(134)	0.27	23.0		x	"	3.5	5.0	4.4	2030	-25	265.8
6	F					-	*0.0*		0	0	0		0.0	0.0	0.0	0.00	0.0		x	"						
7	F#					77.8	*0.0*		1820	98	21	19.0	65.0	16.0	(118)	0.26	20.0		x	"	3.8	4.9	4.1	1807	-13	244.4
8	G					-	*0.0*		0	0	0		0.0	0.0	0.0	0.00	0.0		x	"						
9	G#					70.5	*0.0*		1625	100	21		60.0	15.0	(116)	0.26	18.0		x	"	3.7	4.7	4.0	1609	-16	221.5
10	A					-	*0.0*		0	0	0	16.0	0.0	0.0	0.0	0.00	0.0		x	"						
11	A#					64.9	*0.0*		1420	100	20		55.0	17.0	(125)	0.29	19.0		x	"	3.7	3.8	3.2	1421	1	203.8
12	B					64.9	*0.0*		0	0	0		55.0	17.0	0.0	0.00	0.0		x	"	3.7	3.8	3.2	1339		203.8
13	**C2**			55.0	0.80	53.4	*53.4*		1269	200	6.0		33.6	11.6	53.4	0.29	15.3		24 x 16		5.0	4.6	2.9	1269	0	167.8
14	C#			53.1	0.80	51.5	*51.4*		1197				32.9	11.2	51.5	0.29	14.7		x		5.0	4.6	2.9	1197	0	164.3
15	D			51.2	0.80	49.6	*49.4*		1129				31.7	10.8	49.6	0.29	14.2		x		5.0	4.6	2.9	1129	0	158.5
16	D#			49.5	0.80	47.9	*47.5*		1065	200	5.6		30.6	10.4	47.9	0.29	13.7		21 x 14		5.0	4.6	2.9	1065	0	152.9
17	E			47.8	0.80	46.2	*45.7*		1004				29.5	10.0	46.2	0.29	13.2		x		5.0	4.6	2.9	1004	0	147.5
18	F			46.1	0.80	44.5	*43.9*		947				28.5	9.7	44.5	0.29	12.7		x		5.0	4.6	2.9	947	0	142.3
19	F#			44.5	0.70	43.1	*42.3*		893		5.3		27.5	9.6	43.1	0.29	12.3		21 x 14		5.0	4.5	2.9	893	0	137.6
20	G			43.0	0.70	41.6	*40.6*		842				26.5	9.2	41.6	0.29	11.9		x		5.0	4.5	2.9	842	0	132.7
21	G#			41.5	0.70	40.1	*39.1*		794				25.6	8.9	40.1	0.29	11.4		x		5.0	4.5	2.9	794	0	128.1
22	A			40.0	0.70	38.6	*37.6*		749		4.5		24.7	8.6	38.6	0.29	11.0		18 x 13		5.0	4.5	2.9	749	0	123.5
23	A#			38.6	0.70	37.2	*36.2*		706				23.8	8.3	37.2	0.29	10.6		x		5.0	4.5	2.9	706	0	119.2
24	B			37.3	0.70	35.9	*34.8*		666				23.0	8.0	35.9	0.29	10.3		x		5.0	4.5	2.9	666	0	115.0
25	**C3**			36.0	0.65	34.7	*33.4*		628		4.6		22.2	7.9	34.7	0.29	9.9		15 x 11		5.0	4.4	2.8	628	0	111.1
26	C#			34.8	0.65	33.5	*32.2*		592				21.5	7.6	33.5	0.29	9.6		x		5.0	4.4	2.8	592	0	107.3
27	D			33.6	0.65	32.3	*30.9*		558				20.7	7.4	32.3	0.29	9.2		x		5.0	4.4	2.8	558	0	103.7
28	D#			32.5	0.65	31.2	*29.8*		526		3.8		20.0	7.1	31.2	0.29	8.9		13 x 10		5.0	4.4	2.8	526	0	100.2
29	E			31.4	0.65	30.1	*28.6*		496				19.4	6.9	30.1	0.29	8.6		x		5.0	4.4	2.8	496	0	96.8
30	F			30.4	0.65	29.1	*27.5*		468				18.7	6.6	29.1	0.29	8.3		x		5.0	4.4	2.8	468	0	93.5
31	F#			29.4	0.60	28.2	*26.5*		441		3.4		18.1	6.6	28.2	0.29	8.1		12 x 8		5.0	4.3	2.8	441	0	90.5
32	G			28.4	0.60	27.2	*25.5*		415				17.5	6.3	27.2	0.29	7.8		x		5.0	4.3	2.8	415	0	87.4
33	G#			27.5	0.60	26.3	*24.5*		392				16.9	6.1	26.3	0.29	7.5		x		5.0	4.3	2.8	392	0	84.4
34	A			26.6	0.60	25.4	*23.5*		369		3.5		16.3	5.9	25.4	0.29	7.2		12 x 8		5.0	4.3	2.8	369	0	81.6
35	A#			25.7	0.60	24.5	*22.6*		348				15.8	5.7	24.5	0.29	7.0		x		5.0	4.3	2.8	348	0	78.8
36	B			24.8	0.60	23.6	*21.8*		328				15.2	5.5	23.6	0.29	6.7		x		5.0	4.3	2.8	328	0	76.1
37	**C4**			24.0	0.55	22.9	*20.9*		309				14.7	5.5	22.9	0.29	6.5		x		5.0	4.2	2.7	309	0	73.7
38	C#			23.1	0.55	22.0	*20.1*		291				14.2	5.2	22.0	0.29	6.3		x		5.0	4.2	2.7	291	0	71.0
39	D			22.3	0.55	21.2	*19.4*		275				13.7	5.1	21.2	0.29	6.1		x		5.0	4.2	2.7	275	0	68.4
40	D#			21.5	0.55	20.4	*18.6*		259		3.0		13.2	4.9	20.4	0.29	5.8		12 x 8		5.0	4.2	2.7	259	0	65.9
41	E			20.7	0.55	19.6	*17.9*		244				12.7	4.7	19.6	0.29	5.6		x		5.0	4.2	2.7	244	0	63.4
42	F			20.0	0.55	18.9	*17.2*		230				12.2	4.5	18.9	0.29	5.4		x		5.0	4.2	2.7	230	0	61.1
43	F#			19.3	0.50	18.3	*16.6*		217				11.8	4.5	18.3	0.29	5.2		x		5.0	4.1	2.6	217	0	59.0
44	G			18.6	0.50	17.6	*15.9*		204		2.3		11.4	4.3	17.6	0.29	5.0		12 x 8		5.0	4.1	2.6	204	0	56.9
45	G#			17.9	0.50	16.9	*15.3*		192				11.0	4.1	16.9	0.29	4.8		x		5.0	4.1	2.7	192	0	54.8
46	A			17.3	0.50	16.3	*14.7*		181		2.3		10.5	4.0	16.3	0.29	4.7		12 x 7		5.0	4.1	2.7	181	0	52.7
47	A#			16.7	0.50	15.7	*14.2*		171				10.2	3.8	15.7	0.29	4.5		x		5.0	4.1	2.7	171	0	50.8
48	B			16.1	0.50	15.1	*13.6*		161		2.0		9.8	3.7	15.1	0.29	4.3		12 x 7		5.0	4.1	2.7	161	0	48.9
49	**C5**			15.5	0.45	14.6	*13.1*		152				9.5	3.7	14.6	0.29	4.2		x		5.0	4.0	2.6	152	0	47.3
50	C#			14.9	0.45	14.0	*12.6*		143				9.1	3.5	14.0	0.29	4.0		x		5.0	4.0	2.6	143	0	45.5
51	D			14.4	0.45	13.5	*12.1*		135		2.0		8.8	3.4	13.5	0.29	3.9		12 x 7		5.0	4.0	2.6	135	0	43.9
52	D#			13.9	0.45	13.0	*11.7*		127				8.4	3.2	13.0	0.29	3.7		x		5.0	4.0	2.6	127	0	42.2
53	E			13.4	0.45	12.5	*11.2*		120				8.1	3.1	12.5	0.29	3.6		x		5.0	4.0	2.6	120	0	40.7
54	F			12.9	0.45	12.0	*10.8*		113				7.8	3.0	12.0	0.29	3.4		x		5.0	4.0	2.6	113	0	39.2
55	F#			12.5	0.45	11.6	*10.4*		106				7.5	2.9	11.6	0.29	3.3		x		5.0	4.0	2.6	106	0	37.7
56	G			12.0	0.45	11.1	*10.0*		100		2.3		7.3	2.8	11.1	0.29	3.2		x		5.0	4.0	2.6	100	0	36.3

N°	Note	Hauteur mm.	Long. Démont.
1	**C1**		2558
2	C#		0
3	D		2297
4	D#		0
5	E		2055
6	F		0
7	F#		1820
8	G		0
9	G#		1625
10	A		0
11	A#		1420
12	B		0
13	**C2**		1269
14	C#		1197
15	D		1129
16	D#		1065
17	E		1004
18	F		947
19	F#		893
20	G		842
21	G#		794
22	A		749
23	A#		706
24	B		666
25	**C3**		628
26	C#		592
27	D		558
28	D#		526
29	E		496
30	F		468
31	F#		441
32	G		415
33	G#		392
34	A		369
35	A#		348
36	B		328
37	**C4**		309
38	C#		291
39	D		275
40	D#		259
41	E		244
42	F		230
43	F#		217
44	G		204
45	G#		192
46	A		181
47	A#		171
48	B		161
49	**C5**		152
50	C#		143
51	D		135
52	D#		127
53	E		120
54	F		113
55	F#		106
56	G		100

MANTES-LA-JOLIE

Prestant 4'

A 3 : 870.0 hz

Alliage	Corps	Pieds
☐ martelé	-	-

Positif		Marques				Corps						Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	√	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		6.8	accord	totale		ouv.	bas								/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	c p			C P	78.0	0.80	76.4	*76.4*		1263	205			56.1	16.0	74	25.5	30	58 x 25		4.3	4.8	3.5	1264	1	242.5
2	C#							-	*73.4*											x		-	-	-	-	-	-
3	D							-	*70.5*											x		-	-	-	-	-	-
4	D#	d# p			D# P	67.0	0.75	65.5	*67.8*		1062	205	6.5		49.0	13.5	63	22.0	30	55 x 20		4.2	4.9	3.6	1062	0	208.1
5	E							-	*65.1*											x		-	-	-	-	-	-
6	F	f p			F P	62.0	0.75	60.5	*62.6*											x		-	-	-	-	-	192.4
7	F#	f# p			F# P	59.5	0.70	58.1	*60.1*		887	205	5.7		42.1	12.8	55	20.0		46 x 21	alliage différent	4.4	4.5	3.3	891	4	184.7
8	G					57.1	0.70	55.7	*57.8*									19.0		x		-	-	-	-	-	177.2
9	G#					55.3	0.70	53.9	*55.5*									13.1		x	changement	-	-	-	-	-	171.6
10	A	a p			A P	53.1	0.70	51.7	*53.3*		748	200	5.5		40.0	11.5	53	13.6		43 x 16	taille	4.1	4.5	3.5	747	-1	164.5
11	A#							-	*51.2*											x	entaille	-	-	-	-	-	-
12	B							-	*49.2*											x		-	-	-	-	-	-
13	**C2**	c p			C P	47.3	0.65	46.0	*47.3*		627	203	5.2		35.5	9.7	47	11.0		32 x 14		4.1	4.7	3.7	627	0	146.6
14	C#							-	*45.5*											x		-	-	-	-	-	-
15	D							-	*43.7*											x		-	-	-	-	-	-
16	D#	d# p			D# P	43.0	0.70	41.6	*42.0*		522	202	5.0		30.8	8.6	42	9.7	20	34 x 11		4.3	4.8	3.6	525	3	132.9
17	E							-	*40.3*											x		-	-	-	-	-	-
18	F							-	*38.7*											x		-	-	-	-	-	-
19	F#	f# p			F# P	38.3	0.65	37.0	*37.2*		439	202	5.0		28.3	7.8	37	8.6	20	30 x 11		4.2	4.7	3.6	440	1	118.3
20	G							-	*35.8*											x		-	-	-	-	-	-
21	G#							-	*34.4*											x		-	-	-	-	-	-
22	A	a p			A P	34.7	0.65	33.4	*33.0*		372	200	5.0		25.8	7.2	35	7.5		25 x 9		4.2	4.6	3.6	369	-3	107.1
23	A#							-	*31.7*											x		-	-	-	-	-	-
24	B							-	*30.5*											x		-	-	-	-	-	-
25	**C3**	c p			C P	31.2	0.65	29.9	*29.3*		310	195	4.0		22.1	6.4	31	7.2	20	25 x 9		4.3	4.7	3.5	309	-1	96.1
26	C#							-	*28.2*											x		-	-	-	-	-	-
27	D							-	*27.0*											x		-	-	-	-	-	-
28	D#	d# p			D# P	28.4	0.65	27.1	*26.0*		258	198	4.0		20.4	5.9	27	6.5	20	22 x 8		4.3	4.6	3.5	258	0	87.2
29	E							-	*25.0*											x		-	-	-	-	-	-
30	F							-	*24.0*											x		-	-	-	-	-	-
31	F#	f# p			F# P	25.4	0.60	24.2	*23.1*		218	198	3.5		18.2	5.1	25	5.8	15	18 x 7		4.3	4.7	3.6	216	-2	77.9
32	G							-	*22.2*											x		-	-	-	-	-	-
33	G#							-	*21.3*											x		-	-	-	-	-	-
34	A	a p			A P	22.7	0.60	21.5	*20.5*		181	195	3.0		17.0	4.5	23	5.0	15	18 x 6		4.1	4.8	3.8	181	0	69.4
35	A#							-	*19.7*											x		-	-	-	-	-	-
36	B							-	*18.9*											x		-	-	-	-	-	-
37	**C4**	c p			C P	20.2	0.55	19.1	*18.1*		152	195	3.7		14.0	4.2	19	4.5	15	15 x 7		4.4	4.5	3.3	152	0	61.7
38	C#							-	*17.4*											x		-	-	-	-	-	-
39	D							-	*16.8*											x		-	-	-	-	-	-
40	D#	d# p			D# P	17.6	0.55	16.5	*16.1*		128	195	2.7		13.3	3.5	17	3.8	12	18 x 5		4.0	4.7	3.8	127	-1	53.6
41	E							-	*15.5*											x		-	-	-	-	-	-
42	F							-	*14.9*											x		-	-	-	-	-	-
43	F#	f# p			F# P	15.7	0.55	14.6	*14.3*		107	192	2.4		11.5	3.0	15	3.5		13 x 6		4.1	4.9	3.8	106	-1	47.6
44	G							-	*13.7*											x		-	-	-	-	-	-
45	G#							-	*13.2*											sans		-	-	-	-	-	-
46	A	a p			A P	14.0	0.55	12.9	*12.7*		90	192	3.0		10.3	2.8	15	3.4	12			4.1	4.6	3.7	89	-1	42.3
47	A#							-	*12.2*													-	-	-	-	-	-
48	B							-	*11.7*													-	-	-	-	-	-
49	**C5**	c p			C P	12.6	0.55	11.5	*11.2*		63	190	2.8		9.1	2.3	sans					4.2	5.0	4.0	62	-1	37.9
50	C#							-	*10.8*													-	-	-	-	-	-
51	D							-	*10.4*													-	-	-	-	-	-
52	D#							-	*10.0*													-	-	-	-	-	-
53	E							-	*9.6*													-	-	-	-	-	-
54	F							-	*9.2*													-	-	-	-	-	-
55	F#	intrus	NEUF			9.9	0.55	8.8	*8.8*		43	190	2.0		7.2	1.7						4.1	5.2	4.2	43	0	29.4
56	G	g p				9.6	0.55	8.5	*8.5*		41	185	2.0		7.5	1.5			10			3.8	5.7	5.0	40	-1	28.4

MANTES-LA-JOLIE

A 3 : 1740.0 hz

Doublette 2'

Doublette 2 pieds 54 notes Don A tuyaux de Cavaillé-Coll

Alliage	Corps	Pieds
☐ martelé	-	18%

Positif		Marques				Corps						Pied			Bouche		Entaille		Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	√	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		6.0	accord	totale		ouv.	bas								/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	c			C D	51.9	0.80	50.3	*50.0*		614	215	4.7		39.5	10.0	50	17.0	25	38 x 15		4.1	5.0	4.0	623	9	160.6
2	C#	c#			C# M	51.3	0.80	49.7	*48.2*		585	198			39.5	9.6	51	12.4		38 x 13		4.0	5.2	4.1	587	2	158.8
3	D	A 1	D 54			48.6	0.70	47.2	*46.4*		545	210					47	15.8		x		-	-	-	554	9	150.4
4	D#	A# 1	D# 53			47.3	0.65	46.0	*44.7*		515	210	4.5		34.5	10.5	44	14.5	20	36 x 18		4.2	4.4	3.3	522	7	146.5
5	E	C 4	E 32			43.5	0.65	42.2	*43.1*											x		-	-	-	-	-	134.7
6	F	C 1	F 51			43.7	0.60	42.5	*41.5*											x		-	-	-	-	-	135.4
7	F#	C#	F# 43			42.2	0.60	41.0	*40.0*		431	210	4.3		30.6	8.4	41	13.8	18	31 x 16		4.3	4.9	3.6	437	6	130.8
8	G	g d			G D	39.5	0.60	38.3	*38.5*											x		-	-	-	-	-	122.3
9	G#				G# D			-	*37.1*											x		-	-	-	-	-	-
10	A	a d			A D	37.3	0.60	36.1	*35.7*		359	218	3.5		27.4	6.8	35	11.6	18	27 x 13		4.2	5.3	4.0	366	7	115.4
11	A#				A# D			-	*34.4*											x		-	-	-	-	-	-
12	B				B D			-	*33.2*											x		-	-	-	-	-	-
13	**C2**				C D	33.2	0.60	32.0	*31.9*		304	220	3.7		24.7	6.0	28	10.5	15	sans		4.1	5.3	4.1	307	3	102.4
14	C#							-	*30.8*													-	-	-	-	-	-
15	D							-	*29.6*													-	-	-	-	-	-
16	D#	d# d			D# D	29.6	0.55	28.5	*28.6*		255	218	3.2		21.1	5.2	26	9.4	15			4.3	5.5	4.1	257	2	91.3
17	E							-	*27.5*													-	-	-	-	-	-
18	F							-	*26.5*													-	-	-	-	-	-
19	F#	f# d			F# D	26.7	0.55	25.6	*25.5*		211	218	2.8		19.8	4.5	23	8.0	12			4.1	5.7	4.4	215	4	82.2
20	G							-	*24.6*													-	-	-	-	-	-
21	G#							-	*23.7*													-	-	-	-	-	-
22	A	a d			A D	23.9	0.45	23.0	*22.8*													-	-	-	-	-	73.7
23	A#							-	*22.0*													-	-	-	-	-	-
24	B							-	*21.2*													-	-	-	-	-	-
25	**C3**	c d			C D	21.5	0.50	20.5	*20.4*		148	218	2.5		16.0	3.5	19	6.7	12			4.1	5.9	4.6	150	2	66.0
26	C#							-	*19.7*													-	-	-	-	-	-
27	D							-	*18.9*													-	-	-	-	-	-
28	D#	d# d			D# D	19.3	0.50	18.3	*18.2*													-	-	-	-	-	59.1
29	E							-	*17.6*													-	-	-	-	-	-
30	F							-	*16.9*													-	-	-	-	-	-
31	F#	f# d			F# D	17.2	0.50	16.2	*16.3*		103	215	2.3		12.8	3.1	16	5.5	10			4.1	5.2	4.1	105	2	52.5
32	G							-	*15.7*													-	-	-	-	-	-
33	G#							-	*15.1*													-	-	-	-	-	-
34	A	a d			A D	15.7	0.45	14.8	*14.6*													-	-	-	-	-	47.9
35	A#							-	*14.1*													-	-	-	-	-	-
36	B							-	*13.5*													-	-	-	-	-	-
37	**C4**	c d			C D	13.8	0.45	12.9	*13.0*		73	217	2.0		9.6	2.5	13	4.0	9			4.4	5.2	3.8	73	0	41.9
38	C#							-	*12.6*												pied lépreux	-	-	-	-	-	-
39	D							-	*12.1*													-	-	-	-	-	-
40	D#	d# d			D# D	12.4	0.45	11.5	*11.7*													-	-	-	-	-	37.5
41	E							-	*11.2*													-	-	-	-	-	-
42	F							-	*10.8*													-	-	-	-	-	-
43	F#	f# d			F# D	11.5	0.40	10.7	*10.4*		50	216	2.0		8.2	2.0	10	3.6	8			4.3	5.4	4.1	51	1	34.9
44	G							-	*10.0*												pied lépreux	-	-	-	-	-	-
45	G#							-	*9.7*													-	-	-	-	-	-
46	A				A D	10.0	0.40	9.2	*9.3*												pied lépreux	-	-	-	-	-	30.2
47	A#							-	*9.0*												pied lépreux	-	-	-	-	-	-
48	B							-	*8.7*												pied lépreux	-	-	-	-	-	-
49	**C5**	c d			C D	8.9	0.40	8.1	*8.3*		34	217	2.7		6.5	1.5	7	2.3	8		pied lépreux	4.1	5.4	4.3	35	1	26.7
50	C#							-	*8.0*												pied lépreux	-	-	-	-	-	-
51	D					8.3	0.40	7.5	*7.7*												pied lépreux	-	-	-	-	-	24.8
52	D#		NEUF			8.1	0.40	7.3	*7.5*		29	218			5.9	1.4						4.1	5.2	4.2	29	0	24.2
53	E		NEUF			7.9	0.40	7.1	*7.2*		28	218			5.7	1.4						4.1	5.1	4.1	28	0	23.6
54	F		NEUF			7.7	0.40	6.9	*6.9*		26	218			5.6	1.4						4.1	5.1	4.1	26	0	22.9
55	F#		NEUF			7.5	0.40	6.7	*6.7*		24	218			5.5	1.3						4.1	5.2	4.2	24	0	22.3
56	G		NEUF			7.3	0.40	6.5	*6.4*		23	218			5.3	1.3						4.1	5.0	4.1	23	0	21.7

MANTES-LA-JOLIE **A 3 = 435. Hz**

Trompette 8' (étiquette pavillon C1): Mantes trompette taille 2 8p 56 notes livré le 14 mai Agniel

Alliage	Corps	Pieds
☐ martelé	-	-

Positif		Marques				Corps							Pointe					Noyau			Anche								Rasette	Lang.	Entaille		Observations	Rallonge	
		Manuscrites		Poinçons		Coef.	Ø Ht	Ø Bas	Ep.	Long.	Long.	Long.	Coef.	Ø Ht	Ø Bas	Ep.	Long.	Ø	haut.	type	long.	sail.	sail.	Ø	Ø	ép.	larg.	haut.	Ø	ép.	larg.	posit.		Long. totale	Long.
435.0hz		Pieds	Corps	Pointe	Corps	pente	ext.	ext.	métal	réson.	recouv.	totale	pente	ext.	ext.	métal							calcul	int.	ext.		ouv.							calculée	rallonge
1	**C1**			C T	C T	4.56%	118.8	33.4	0.85	1873	87	2381	5.12%	40.0	16.2	1.00	465	39.0	48.0	A	120	82	82	10.1	12.5	1.2	6.0	10.8	2.4	0.52	25.0	116		2375	-6
2	C#					-						-	-						48.0			81	78	10.1	12.5	1.2				0.48	24.0	110		-	-
3	D					-						-	-						48.0			76	75	10.1	12.5	1.2				0.48				-	-
4	D#			D# T	D# T	5.00%	109.2	30.0	0.80	1583	82	2004	5.75%	37.5	15.3	0.90	386	36.5	45.0			80	72	9.4	11.8	1.2	6.0	9.8		0.46	23.2	107		1992	-11
5	E					-						-	-						45.0			75	69	9.4	11.8	1.2				0.49				-	-
6	F					-						-	-						45.0			62	66	9.4	11.8	1.2				0.48				-	-
7	F#			F# T	F# T	5.50%	100.0	27.2	0.80	1323	82	1679	6.21%	34.5	14.0	0.90	330	34.0	45.0			74	63	8.4	10.8	1.2	5.7	8.9		0.48	21.3	98		1675	-4
8	G					-						-	-						45.0			63	60	8.4	10.8	1.2			2.0	0.46				-	-
9	G#					-						-	-						45.0			59	57	8.4	10.8	1.2				0.48				-	-
10	A			A T	A T	6.10%	94.5	25.4	0.75	1133	78	1425	6.81%	32.2	13.8	0.90	270		45.0			58	55	8.4	10.8	1.2				0.41	20.1	91		1401	-24
11	A#					-						-	-					32.0	41.0			56	52	7.8	10.0	1.1	5.5	8.2		0.41				-	-
12	B			B T	B T	6.72%	91.5	23.4	0.75	1014	76	1265	7.50%	30.7	13.0	0.85	236		41.0			52	50	7.8	10.0	1.1				0.42				1253	-12
13	**C2**			C T	C T	6.98%	90.3	23.2	0.70	962	67	1202	7.95%	30.5	13.0	1.00	220	31.8	39.0	O+B	81	51	48	7.8	10.0	1.1				0.41	19.2	88		1182	-20
14	C#					-						-	-						39.0			48	46	7.8	10.0	1.1				0.40				-	-
15	D					-						-	-						39.0			49	44	7.0	9.0	1.0	5.1	7.5		0.40				-	-
16	D#			D# T	D# T	8.01%	85.8	20.5	0.70	815	62	1004	9.25%	28.5	12.5	1.20	173	30.5	36.0			45	42	7.0	9.0	1.0				0.40	18.3	82		999	-5
17	E					-						-	-						36.0			42	40	7.0	9.0	1.0				0.38				-	-
18	F			F T	F T	8.54%	81.0	20.0	0.70	714	54	884	10.20%	27.8	12.5	1.10	150		36.0			42	38	7.0	9.0	1.0				0.38	17.2	78		885	0
19	F#			F# T		8.79%	80.0	11.6	0.75	778		849	-					28.5	34.0			40	37	6.4	8.4	1.0	4.8	6.8		0.35	16.0	77		840	-9
20	G					-						-	-						34.0			41	35	6.4	8.4	1.0				0.37				-	-
21	G#					-						-	-						34.0			34	34	6.4	8.4	1.0				0.34				-	-
22	A			A T		9.67%	74.0	11.5	0.75	646		712	-						34.0			37	32	6.4	8.4	1.0				0.33	16.0	67		700	-12
23	A#					-						-	-					27.5	32.0			32	31	6.0	7.8	0.9	4.6	6.2		0.32				-	-
24	B					-						-	-						32.0			35	29	6.0	7.8	0.9				0.33				-	-
25	**C3**			C T		11.55%	72.0	11.0	0.75	528		588	-						32.0		55	33	28	6.0	7.8	0.9			1.8	0.29	sans			592	4
26	C#					-						-	-						32.0			31	27	6.0	7.8	0.9				0.29				-	-
27	D					-						-	-						32.0			28	26	6.0	7.8	0.9				0.29				-	-
28	D#			D# T		12.95%	68.0	11.3	0.75	438		493	-					26.0	30.0			30	25	5.4	7.0	0.8	4.0	5.6		0.29				500	8
29	E					-						-	-						30.0			30	23	5.4	7.0	0.8				0.29				-	-
30	F					-						-	-						30.0			29	22	5.4	7.0	0.8				0.29				-	-
31	F#			F# T		14.27%	62.0	10.5	0.75	361		412	-						30.0			25	21	5.4	7.0	0.8				0.25				417	4
32	G					-						-	-						30.0			25	20	5.4	7.0	0.8				0.25				-	-
33	G#					-						-	-					25.0	28.0			23	20	4.9	6.5	0.8				0.27				-	-
34	A			A T		15.64%	57.5	9.8	0.75	305		352	-						28.0			20	19	4.9	6.5	0.8				0.25				350	-2
35	A#					-						-	-						28.0			23	18	4.9	6.5	0.8				0.25				-	-
36	B			B T		17.81%	56.5	10.2	0.70	260		305	-						28.0			18	17	4.9	6.5	0.8				0.23				311	6
37	**C4**			C T R		11.36%	72.0	10.3	0.70	543		587	-						28.0		37	19	16	4.9	6.5	0.8				0.20				599	12
38	C#					-						-	-					22.5	28.0			22	16	4.8	6.0	0.6	3.4	4.9		0.24				-	-
39	D					-						-	-						28.0			15	15	4.8	6.0	0.6				0.20				-	-
40	D#			D# T R		12.68%	67.5	10.2	0.70	452		494	-						28.0			17	14	4.8	6.0	0.6				0.19				502	8
41	E					-						-	-						28.0			15	14	4.8	6.0	0.6				0.19				-	-
42	F					-						-	-						28.0			13	13	4.8	6.0	0.6				0.19				-	-
43	F#			F# T R		14.32%	63.0	9.0	0.65	377		416	-					21.0	26.0			11	13	4.0	5.2	0.6	3.1	4.3		0.13				426	10
44	G					-						-	-						26.0			11	12	4.0	5.2	0.6				0.14				-	-
45	G#					-						-	-						26.0			15	11	4.0	5.2	0.6				0.14				-	-
46	A			A T R		16.03%	59.0	9.0	0.65	312		349	-						26.0			16	11	4.0	5.2	0.6				0.15				356	7
47	A#					-						-	-						26.0			11	10	4.0	5.2	0.6				0.14				-	-
48	B					-						-	-						26.0			10	10	4.0	5.2	0.6				0.14				-	-
49	**C5**			C T R		18.91%	57.0	8.2	0.60	258		292	-					21.0	24.0	O	26	10	10	3.6	4.8	0.6	3.0	4.0	1.6	0.14				301	9
50	C#					-						-	-						24.0				9	3.6	4.8	0.6				0.11				-	-
51	D					-						-	-						24.0			7	9	3.6	4.8	0.6				0.10				-	-
52	D#					-						-	-						24.0			10	8	3.6	4.8	0.6				0.10				-	-
53	E					-						-	-						24.0				8	3.6	4.8	0.6				0.10				-	-
54	F					-						-	-						24.0			8	8	3.6	4.8	0.6				0.08				-	-
55	F#					-						-	-						24.0			7	7	3.6	4.8	0.6				0.08				-	-
56	G			G T R		26.54%	51.0	8.0	0.55	162		193	-						24.0		20	9	7	3.6	4.8	0.6				0.08				199	6

MANTES-LA-JOLIE **A 3 = 435.0 hz**

Clarinette 8' **jeu de récupération (Merklin)** 337 Sainte Foy la Grande Clarinette 38 kg 500 (sur C1)

Positif		Marques				Corps						Pointe			Pied				Noyau			Anche													Rasette	Lang.
		manuscrites		poinçons		Ø haut	Ø ext.	ép.	long.	long.	long.	Ø bas	ép.	long.	long.	Ø	Ø bas	faux s.	Ø	haut.	type	long.	sail.	sail.	Ø bas	Ø haut	Ep.	haut	haut.	larme			ép.	Ø	ép.
435.0hz		pieds	corps	pieds	corps	ext.	corps	métal	poire	corps	totale	ext.	métal			ouv.	ext.	142.0						calc.	ext.	ext.	métal	bout	coin	Ø gros	Ø petit	Long.	couv		
1	**C1**				C	95.0	51.5	0.80	95	1182	1485	18.0	0.85	80	195	9.5		38.0	37.5	45.0	A	123	83	83	17.7	13.0	1.20	14.5	11.2	8.3	3.6	52	2.5	2.7	0.51
2	C#					93.0	51.5		95		-									45.0		119	82	80	17.4	12.8	1.20	14.0	11.0	8.3	3.8	50	2.2		0.51
3	D					85.0	48.8		94		-									45.0		114	80	77	17.2	12.8	1.20	14.0	11.0	8.1	3.5	48	2.4		0.53
4	D#				D#	83.0	48.8	0.80	93	970	1264	18.0	0.85	82	195	9.5				45.0		110	74	74	16.8	12.6	1.20	14.0	10.2	7.9	3.5	47	2.0		0.45
5	E					82.0	46.5				-							35.0	34.8	43.0		105	73	71	16.1	12.2	1.20	13.5	10.2	7.7	3.4	45	2.0		0.46
6	F					80.0	46.5				-									43.0		101	72	68	15.7	12.1	1.20	13.2	9.9	7.4	3.3	44	2.0		0.47
7	F#				F#	78.0	44.5	0.80	85	814	1088	17.0	0.85	80						43.0		97	70	66	15.3	11.6	1.20	12.6	10.0	7.5	3.2	42	2.0	2.4	0.44
8	G					80.0	44.5				-									43.0		94	60	63	14.8	11.6	1.20	12.1	11.6	7.6	3.3	40	2.0		0.41
9	G#					73.0	42.0				-							32.0	32.6	39.0		87	56	61	14.5	11.2	1.20	12.3	9.5	7.2	3.2	38	2.0		0.37
10	A				A	76.0	42.0	0.75	81	655	912	16.2	0.80	78						39.0		84	57	59	14.1	10.9	1.00	11.9	9.3	6.7	3.1	37	2.0		0.37
11	A#					67.0	40.0				-									39.0		80	53	57	13.8	10.8	1.00	11.4	9.4	6.8	2.7	35	2.0		0.34
12	B					67.0	40.0				-									39.0		77	53	54	13.6	10.8	1.00	11.2	9.2	6.7	3.1	34	2.0		0.36
13	**C2**				C	69.0	38.6	0.75	72	546	781	15.1	0.80	74	190			31.0	30.6	37.0		75	53	52	13.2	10.4	1.00	10.9	9.0	6.4	2.8	32	2.0		0.36
14	C#					68.0	38.6				-				185					37.0		73	50	50	12.7	10.1	1.00	11.1	8.6	5.9	2.6	31	1.8		0.35
15	D					68.0	38.6				-									37.0		71	48	48	12.7	9.9	1.00	10.6	8.6	5.8	2.7	30	1.8		0.36
16	D#				D#	70.0	38.6	0.70	70	447	674	15.5	0.75	73	185					37.0		69	45	47	12.3	9.7	1.00	10.5	8.3	5.6	2.5	29	1.8		0.32
17	E					63.0	37.5				-							29.0	29.5	35.0		67	43	45	12.0	9.4	1.00	9.9	7.8	5.8	2.8	28	1.8		0.31
18	F					63.0	37.5				-									35.0		65	42	43	11.8	9.3	1.00	9.9	8.2	5.1	2.3	27	1.8	2.2	0.31
19	F#				F#	63.0	37.5	0.70	70	358	575	15.3	0.75	70	185					35.0		64	40	42	11.7	9.2	1.00	9.8	7.8	5.2	2.3	26	1.8		0.26
20	G					62.0	37.5				-									35.0		62	41	40	11.6	9.0	1.00	9.7	7.6	5.0	2.1	26	1.8		0.26
21	G#					62.0	35.8				-							28.0	28.0	33.0		60	37	38	11.1	8.8	1.00	9.4	7.9	5.3	2.4	25	1.8		0.36
22	A				A	61.0	35.8	0.70	63	301	499	14.2	0.75	65						33.0		58	37	37	10.9	8.3	1.00	9.3	7.2	5.0	2.3	24	1.6		0.27
23	A#					61.0	35.8		63		-									33.0		58	35	36	10.6	8.2	1.00	9.4	7.2	5.0	2.2	23	1.6		0.22
24	B					61.0	35.8		63		-									33.0		55	34	34	10.0	7.8	1.00	8.4	7.1	4.9	2.0	22	1.8		0.24
25	**C3**				C	58.0	34.3	0.70	57	242	426	14.0	0.75	61						33.0		54	33	33	10.0	8.0	1.00	9.0	7.4	4.7	1.8	22	1.8		0.24
26	C#					58.0	34.3				-							27.0	27.3	33.0		54	31	32	9.8	7.7	0.80	8.2	6.8	4.7	2.0	21	1.2		0.28
27	D					58.0	34.3				-									33.0		53	28	30	9.8	7.5	0.80	8.9	6.8	4.8	1.9	21	1.6	2.0	0.30
28	D#				D#	58.0	34.3	0.70	57	188	368	14.0	0.75	61						33.0		52	28	29	9.8	7.6	0.80	8.7	6.9	4.5	2.3	21	1.5		0.29
29	E					52.0	33.2		51		-									33.0		51	26	28	9.8	7.4	0.80	9.0	7.0	4.4	1.9	20	1.7		0.24
30	F					52.0	33.2		51		-									33.0		50	25	27	9.6	7.4	0.70	8.5	6.5	4.4	2.0	19	1.4		0.24
31	F#				F#	52.0	33.2	0.70	51	145	311	14.0	0.75	60				26.0	26.0	29.0		50	25	26	9.6	7.4	0.70	8.1	6.7	4.5	2.6	18	1.5		0.24
32	G					52.0	33.2		51		-									29.0		49	26	25	9.5	7.2	0.70	8.2	6.4	4.4	2.4	17	1.2	1.8	0.24
33	G#					52.0	31.5		50		-									29.0		48	26	24	9.4	7.2	0.70	7.8	2.4	4.3	2.5	16	1.2		0.25
34	A				A	52.0	31.5	0.70	50	104	264	14.0	0.70	58						29.0		48	21	23	9.2	6.8	0.70	8.0	6.1	4.0	2.0	15	1.0		0.25
35	A#					52.0	31.5		50		-									29.0		47	23	22	9.2	6.8	0.70	7.9	6.2	3.9	2.1	15	1.2		0.23
36	B					52.0	31.5		50		-							24.0	24.0	30.0		46	22	21	8.9	6.7	0.70	7.6	6.3	3.8	1.8	14	1.3		0.22
37	**C4**				C	50.0	29.7	0.70	50	80	235	13.0	0.70	55						30.0		46	20	20	8.8	6.4	0.70	7.3	6.0	3.7	2.1	14	1.3		0.22
38	C#					50.0	29.7		50		-									30.0		46	20	19	8.7	6.5	0.70	7.6	5.9	3.6	2.0	14	1.2		0.22
39	D					50.0	29.7		50		-									30.0		45	20	18	8.6	6.5	0.70	7.4	5.8	3.5	2.2	13	1.0		0.22
40	D#				D#	50.0	29.7	0.70	50	55	208	13.0	0.70	55						30.0		44	19	18	8.5	6.4	0.70	7.4	5.8	3.3	1.7	13	1.2		0.22
41	E					45.0	28.3		45		-									30.0		44	17	17	8.3	6.4	0.60	7.2	5.7	3.6	1.8	13	1.2		0.18
42	F					45.0	28.3		45		-							22.0	22.0	27.0		35	19	16	8.4	6.8	0.60	7.0	5.7	3.3	1.9	12	1.0		0.20
43	F#				F#	45.0	28.3	0.70	45	34	175	12.3	0.70	53						27.0		35	20	16	8.0	6.4	0.60	6.9	5.6	3.4	1.8	12	1.0		0.18
44	G					45.0	28.3		45		-									27.0		32	17	15	8.0	6.4	0.70	6.7	5.9	3.2	1.5	11	1.0		0.18
45	G#					44.0	26.4		40		-									27.0		32	17	14	8.2	6.5	0.60	6.8	5.8	3.2	2.0	11	1.0		0.18
46	A				A	44.0	26.4	0.65	40	25	156	11.6	0.65	50						27.0		32	15	14	8.0	5.7	0.60	6.9	5.7	3.2	2.0	11	0.9		0.15
47	A#					44.0	26.4		40		-									27.0		32	16	13	7.7	6.2	0.70	6.4	5.5	3.4	1.8	11	1.1	1.6	0.15
48	B					44.0	26.4		40		-									27.0		31	14	13	7.5	6.1	0.60	6.8	5.7	3.3	1.7	10	1.2		0.15
49	**C5**				C	40.0	25.0	0.65	31	20	136	11.5	0.65	47				20.0	21.0	26.0		35	10	12	5.6		0.60	4.7		2.5					0.14
50	C#					40.0	25.0		31		-									26.0		35	10	12	5.6		0.60								0.14
51	D					40.0	25.0		29		-									26.0		34	10	11	5.6		0.60								0.14
52	D#				D#	36.0	25.0	0.65	22	7	113	11.5	0.65	47						26.0		34	10	11	5.2		0.60	4.7		2.0					0.14
53	E					35.0	24.0		22	7	107			42						26.0		33	7	10	5.2		0.60								0.10
54	F					35.0	24.0		23	7	103			37						26.0		30	7	10	5.2		0.60								0.10
55	F#				F#	31.0	24.0	0.65	20	7	91	10.4	0.65	29						26.0		29	7	9	5.2		0.60								0.10
56	G				D	31.0	24.0		21	7	88			25						26.0		24	6	9	5.2		0.60								0.10

MANTES-LA-JOLIE **A 3 = 870. Hz**

Clairon 4'

Alliage	Corps	Pieds
☐ martelé	-	-

Positif		Marques				Corps							Pointe					Pied			Noyau			Bouche		Anche								Rasette	Lang.	Entaille		Observations	Rallonges tuyaux à bouches		
		Manuscrites		Poinçons		coef.	Ø ht.	Ø bas	ép.	long.	long.	long.	coef.	Ø ht	Ø Bas	ép.	long.	long.	Ø	Ø ext.	Ø	haut.	type	larg.	haut.	long.	sail.	sail.	Ø	Ø	ép.	larg.	haut.	Ø	ép.	larg.	posit.		long.	long.	développé
435.0hz		Pieds	Corps	Pieds	Corps	pente	ext.	ext.	métal	réson.	recouv.	Totale	pente	ext.	ext.	métal			ouv.	bas							calc.	int.	ext.		ouv.							calculée	rallonge	rallonge
1	**C1**				C C	7.16%	90.0	20.5	0.80	970	66	1209	7.58%	27.0	10.7	0.90	215				31.0	40.0	O+B			82	50	50	6.8	8.8	1.0	4.2	7.4	2.0	0.40	18.0	83		1195	-14	
2	C#				C# C	-						-	-									40.0					52	48	6.8	8.8	1.0				0.40				-	-	
3	D				D C	-						-	-								29.5	38.0					45	46	6.8	8.8	1.0				0.40				-	-	
4	D#					8.01%	85.5	19.0	0.80	830	59	1023	8.24%	24.5	10.5	0.80	170					38.0					44	44	6.4	8.4	1.0	4.0	6.8		0.38	17.0	79		1005	-18	
5	E					-						-	-									38.0					41	42	6.4	8.4	1.0				0.38				-	-	
6	F					8.20%	78.0	16.5	0.70	750	62	913	8.98%	23.7	10.5	0.90	147					38.0					40	40	6.4	8.4	1.0				0.38	16.0	77		887	-26	
7	F#					8.46%	77.0	10.0	0.70	792		865	-								27.0	35.0				67	39	38	6.4	8.4	1.0				0.35	16.0	76		837	-29	
8	G					-						-	-									35.0					40	37	5.8	7.6	0.9	3.8	6.4		0.35				-	-	
9	G#					9.33%	75.0	10.0	0.65	697		767	-									35.0					34	35	5.8	7.6	0.9				0.36	15.0	74		751	-17	
10	A					-						-	-									35.0					36	34	5.8	7.6	0.9				0.33				-	-	
11	A#					-						-	-								26.0	33.0					31	32	5.8	7.6	0.9				0.33				-	-	
12	B					-						-	-									33.0					34	31	5.8	7.4	0.8	3.5	6.4		0.33				-	-	
13	**C2**					11.43%	71.0	8.7	0.65	545		608	-									33.0				57	29	30	5.4	7.0	0.8	3.6	5.7		0.31	sans			597	-10	
14	C#					-						-	-									33.0					30	28	5.8	7.4	0.8			1.8	0.31				-	-	
15	D					-						-	-									33.0					28	27	5.4	7.0	0.8				0.28				-	-	
16	D#					13.28%	69.0	9.5	0.60	448		507	-									33.0					30	26	5.4	7.0	0.8				0.26				501	-6	
17	E					-						-	-									33.0					26	25	5.4	7.0	0.8				0.26				-	-	
18	F					-						-	-									33.0					28	24	4.8	6.4	0.8	3.1	5.3		0.26				-	-	
19	F#					15.20%	66.0	9.0	0.60	375		431	-									33.0				47	25	23	4.7	6.3	0.8				0.24				424	-7	
20	G					-						-	-									33.0					20	22	4.8	6.4	0.8				0.24				-	-	
21	G#					-						-	-								24.5	30.0					22	21	4.8	6.4	0.8				0.24				-	-	
22	A					17.57%	63.5	8.5	0.55	313		363	-									30.0					20	20	4.8	6.4	0.8				0.24				354	-9	
23	A#					-						-	-									30.0					18	19	4.8	6.4	0.8				0.24				-	-	
24	B					-						-	-									30.0					19	18	4.7	5.9	0.6	3.2	4.8		0.24				-	-	
25	**C3**					20.54%	61.5	8.7	0.55	257		305	-									30.0				40	17	18	4.7	5.9	0.6				0.21				299	-5	
26	C#					-						-	-									30.0					18	17	4.7	5.9	0.6				0.21				-	-	
27	D					-						-	-								22.5	28.0	O				18	16	4.7	5.9	0.6				0.21				-	-	
28	D#					23.57%	58.0	8.5	0.70	210		253	-									28.0					16	15	4.7	5.9	0.6				0.18				250	-3	
29	E					-						-	-									28.0					18	15	4.7	5.9	0.6				0.18				-	-	
30	F					-						-	-									28.0					16	14	4.0	5.2	0.6	2.8	4.2	1.6	0.18				-	-	
31	F#					26.37%	56.0	8.0	0.55	182		222	-								21.0	26.0					16	14	4	5.2	0.6				0.16				212	-9	
32	G					-						-	-									26.0					14	13	4	5.2	0.6				0.16				-	-	
33	G#					-						-	-									26.0					16	12	4	5.2	0.6				0.16				-	-	
34	A					30.95%	53.5	8.0	0.50	147		185	-									26.0					13	12	4	5.2	0.6				0.13				178	-7	
35	A#					-						-	-									26.0					13	11	4	5.2	0.6				**0.13**				-	-	
36	B					-						-	-									26.0					13	11	3.7	4.9	0.6	2.8	3.9		**0.14**				-	-	
37	**C4**					38.31%	56.0	8.5	0.60	124		160	-								21.5	26.0					9	10	3.7	4.9	0.6				0.11				151	-10	
38	C#					-						-	-									26.0					9	10	3.7	4.9	0.6				0.12				-	-	
39	D					-						-	-									26.0					7	10	3.7	4.9	0.6				0.11				-	-	
40	D#					42.42%	50.0	8.0	0.65	99		134	-								21.0	26.0					9	9	3.7	4.9	0.6				0.13				126	-9	
41	E					-						-	-									26.0					8	9	3.7	4.9	0.6				0.10				-	-	
42	F				F C	47.13%	49.0	8.0	0.65	87		118	-								21.0	23.0					8	8	3.7	4.9	0.6				0.10				112	-7	
43	F#				F# C R	27.22%	57.0	8.0	0.65	180		212	-								20.5	24.0				23	10	8	3.7	4.9	0.6				0.08			Harmonique	107	-105	
44	G				G C	-	13.7		0.50		102	-	-					57+220						9.1	2.3				-							4.0	12.5	à bouche	-	-	41.5
45	G#				G# C	-						-	-																-									"	-	-	-
46	A					-	12.2		0.45		91	-	-					57+220						8.0					-							3.5	11	"	-	-	36.9
47	A#					-						-	-																-									"	-	-	-
48	B					-						-	-																-									"	-	-	-
49	**C5**		f	intrus		-	12.0		0.40		77	-	-					55+215						8.5	2.3				-							3.2	12	"	-	-	36.4
50	C#					-						-	-																-									"	-	-	-
51	D					-						-	-																-									"	-	-	-
52	D#					-	10.0		0.40		66	-	-					55+217						6.5	2.0				-							3.0	10	"	-	-	30.2
53	E					-						-	-																-									"	-	-	-
54	F					-						-	-																-									"	-	-	-
55	F#					-						-	-																-									"	-	-	-
56	G				G C	-	8.7		0.40		50	-	-					55+225						6.0	1.5				-							3.0	8.7	"	-	-	26.1

MANTES-LA-JOLIE

Bourdon 8'

Tuyaux de bois fabriqués identiques 2 par 2 de Daublaine

A 3 = 435.0 hz

Alliage	Corps	Pieds
☐ martelé	22%	-

Récit		Marques				Corps								Pied			Bouche			Cheminée		Calotte		Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Ep	Long.	Ø	Marque	Haut.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		int.	int.	bloc	accord	totale		ouv.	bas			couv.								/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**						16.00	108.1	112	82	60	1185	1302	178	18.0		82.0	23.0	20						x		4.1	4.7	3.6	1333	148	339.7
2	C#							-																	x		-	-	-	-	-	-
3	D							-																	x		-	-	-	-	-	-
4	D#						15.00	98.5	103	74	56	1000	1111	180	17.0		75.0	22.0							x		4.1	4.5	3.4	1123	123	309.5
5	E							-																	x		-	-	-	-	-	-
6	F							-																	x		-	-	-	-	-	-
7	F#						12.00	84.5	89	63	52	865	965	180	12.0		64.0	17.0							x		4.1	5.0	3.8	943	78	265.4
8	G						12.00	83.8	89	62	52	797	895	182	19.0		62.0	19.0							x		4.2	4.4	3.3	891	94	263.3
9	G#							-																	x		-	-	-	-	-	-
10	A						11.00	77.8	82	58	93	714	808	179	14.0		57.0	17.0	15						x		4.3	4.6	3.4	794	80	244.5
11	A#							-																	x		-	-	-	-	-	-
12	B							-																	x		-	-	-	-	-	-
13	**C2**						10.00	67.7	72	50	80	616	697	180	11.0		50.0	15.0	15						x		4.3	4.5	3.3	669	53	212.7
14	C#							-																	x		-	-	-	-	-	-
15	D							-																	x		-	-	-	-	-	-
16	D#						10.00	61.0	65	45	75	520	595	180	10.0		45.0	13.0	15						x		4.3	4.7	3.5	564	44	191.7
17	E							-																	x		-	-	-	-	-	-
18	F						7.00	49.4	48	40	75	485	560	163	8.0		40.0	12.0	10						x		3.9	4.1	3.3	501	16	155.3
19	F#	c# n	f# b8			58.5	0.70	57.1					370	200	5.4		42.4	16.9					57		40 x 20		4.3	3.4	2.5	397	27	181.6
20	G							-																	x		-	-	-	-	-	-
21	G#							-																	x		-	-	-	-	-	-
22	A	f b	a b8			53.9	0.70	52.5					303	202	6.8		42.0	16.9					52		44 x 21		4.0	3.1	2.5	329	26	167.2
23	A#							-																	x		-	-	-	-	-	-
24	B							-																	x		-	-	-	-	-	-
25	**C3**		c b8			49.5	0.70	48.1					282	202	7.0		39.3	15.3		105	13.8		45	20	41 x 14	pied modifié	3.9	3.1	2.6	272	-10	153.3
26	C#							-																	x		-	-	-	-	-	-
27	D							-																	x		-	-	-	-	-	-
28	D#		d# b8			43.4	0.70	42.0					233	195	5.0		33.8	13.0		93	13.2		41		37 x 18	pied modifié	4.0	3.2	2.6	226	-7	134.3
29	E							-																	x		-	-	-	-	-	-
30	F							-																	x		-	-	-	-	-	-
31	F#	g#	f# b8			38.5	0.70	37.1					195	190	5.5		27.2	11.5		88	12.5		39	18	22 x 8		4.4	3.2	2.4	188	-7	118.8
32	G							-																	x		-	-	-	-	-	-
33	G#							-																	x		-	-	-	-	-	-
34	A	b	a b8			34.5	0.70	33.1					161	187	5.2		24.3	9.4		83	11.6		31	20	22 x 8	lèpre	4.4	3.5	2.6	156	-5	106.2
35	A#							-																	x		-	-	-	-	-	-
36	B							-																	x		-	-	-	-	-	-
37	**C4**	d	c b8			31.9	0.65	30.6					128	188	3.7		22.5	8.5		77	11.0		28	16	19 x 7		4.4	3.6	2.6	128	0	98.2
38	C#							-																	x		-	-	-	-	-	-
39	D							-																	x		-	-	-	-	-	-
40	D#	f b	d# b8			28.2	0.70	26.8					103	190	3.9		19.4	7.4		70	10.2		25	15	17 x 6		4.5	3.6	2.6	106	3	86.4
41	E							-																	x		-	-	-	-	-	-
42	F							-																	x		-	-	-	-	-	-
43	F#	g#	f# b8			25.2	0.65	23.9					84	190	3.5		18.3	6.8		60	9.0		23	12	16 x 6		4.2	3.5	2.7	88	4	77.1
44	G							-																	x		-	-	-	-	-	-
45	G#							-																	x		-	-	-	-	-	-
46	A	g	a b8			24.0	0.40	23.2					64	190	3.8		17.6	5.8		52	8.8		23		17 x 9		4.2	4.0	3.0	70	6	74.1
47	A#							-																	x		-	-	-	-	-	-
48	B							-																	x		-	-	-	-	-	-
49	**C5**	c	c b8			23.2	0.55	22.1					42	185	2.8		16.3	5.5		51	8.0		22	12	17 x 9		4.4	4.0	3.0	56	14	71.2
50	C#	c#	c# b8					-																	x		-	-	-	-	-	-
51	D	d	d b8					-																	x		-	-	-	-	-	-
52	D#	d#						-																	x		-	-	-	-	-	-
53	E	e						-																	x		-	-	-	-	-	-
54	F	f	f# b8					-																	x		-	-	-	-	-	-
55	F#	f#	g b8			18.8	0.55	17.7					33	188	3.3	9.5	13.1	4.7		36	7.2		18	12	10 x 6	lèpre	4.4	3.8	2.8	37	4	57.3
56	G	NEUF				18.2	0.55	17.1					32	190	3.0	9.5	12.6	4.5		34	7.0		18	10	10 x 6		4.4	3.8	2.8	34	2	55.4

MANTES-LA-JOLIE **Daublaine réutilisée par Merklin** **A 3 = 435.0 hz**

Flûte traversière 8' Flûte de 8 Récit Mantes Sapin avec couvercles chêne et plaques

Alliage	Corps	Pieds
☐ martelé	-	-

Récit		Marques				Corps											Pied			Bouche			Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	√	Prof.	Larg.	Haut.	Trou	Trou h.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Ep	Pos.	l/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		3.0	int.	int.	bloc	harmon.	calculé	tot calc	totale		ouv.	bas			couv.							/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	C1						16.00	148.0		147	117	137				2525	120	20.0	30.0	115.0	30.0	17	205	1/5	30.0		x		4.0	4.9	3.8	2640	115	464.9
2	C#							-																			x		-	-	-	-	-	-
3	D							-																			x		-	-	-	-	-	-
4	D#						15.00	131.4		133	102	130				2255	120	20.0	28.0	102.0	27.0	17	145	2/9	30.0		x		4.0	4.9	3.8	2221	-34	412.9
5	E							-																			x		-	-	-	-	-	-
6	F							-																			x		-	-	-	-	-	-
7	F#						14.00	112.4		114	87	115				1792	120	17.0	25.0	86.0	23.0	17	100	1/4	30.0		x		4.1	4.9	3.7	1868	76	353.0
8	G							-																			x		-	-	-	-	-	-
9	G#							-																			x		-	-	-	-	-	-
10	A						12.00	102.9		104	80	110				1506	120	16.0	23.0	82.0	20.0	17	95	2/7	30.0		x		3.9	5.1	4.1	1571	65	323.3
11	A#							-																			x		-	-	-	-	-	-
12	B						11.00	93.0		97	70	105				1345	120	15.0	23.0	71.0	20.0	17	85		30.0		x		4.1	4.6	3.6	1400	55	292.1
13	C2	c 1			C P	78.0	0.80	76.4	76.4						1251	1250	210	7.0		59.5	16.3		78	1/5	15.5	30	58 x 27		4.1	4.7	3.7	1251	1	242.5
14	C#	c	# flute 8		C P	78.0	0.80	76.4	74.7						1177	1177				59.0							x		4.1	-	-	1177	0	242.5
15	D	d	D fl 8			72.0	0.80	70.4	73.0						1112	1110											x		-	-	-	1112	2	223.7
16	D#	d#	D# fl 8			70.5	0.75	69.0	71.3						1048	1045	195	7.0		54.0	14.3		68	1/5	14.5	20	54 x 24		4.1	4.8	3.8	1048	3	219.1
17	E							-	69.7						-												x		-	-	-	-	-	-
18	F							-	68.1						-												x		-	-	-	-	-	-
19	F#		f# fl 8			65.5	0.75	64.0	66.6						876	873	195	6.0		49.3	13.0		65	1/5	13.0		47 x 22		4.1	4.9	3.8	876	3	203.4
20	G							-	65.1						-												x		-	-	-	-	-	-
21	G#							-	63.6						-												x		-	-	-	-	-	-
22	A		a fl 8			61.5	0.75	60.0	62.2						732	732	195	6.5		46.0	12.0		60	1/5	12.5		45 x 20		4.1	5.0	3.8	732	0	190.9
23	A#							-	60.8						-												x		-	-	-	-	-	-
24	B							-	59.4						-												x		-	-	-	-	-	-
25	C3	g	c fl 8			59.2	0.70	57.8	58.1						609	608	195	6.1		44.5	11.2		59	1/5	12.0	15	42 x 20	intrus Zimmermann	4.1	5.2	4.0	609	1	183.7
26	C#	a# h						-	56.7						-												x		-	-	-	-	-	-
27	D	b h						-	55.5						-												x		-	-	-	-	-	-
28	D#	g# f 3	d# fl 8			54.9	0.70	53.5	54.2						508	508	195	5.7		41.5	10.3		55	1/5	11.0	15	39 x 8		4.1	5.2	4.0	508	0	170.2
29	E	c h						-	53.0						-												x		-	-	-	-	-	-
30	F	c# h						-	51.8						-												x		-	-	-	-	-	-
31	F#	d h	f# fl 8			52.0	0.75	50.5	50.6						423	421	193	6.0		39.3	9.2		51	1/5	10.0	15	36 x 18		4.1	5.5	4.3	423	2	161.1
32	G	d# h						-	49.5						-												x		-	-	-	-	-	-
33	G#	e h						-	48.3						-												x		-	-	-	-	-	-
34	A	f h	a fl 8			49.1	0.75	47.6	47.2						351	353	187	6.0		37.0	8.5		48	1/5	10.0	15	37 x 17		4.1	5.6	4.4	351	-2	151.9
35	A#	f# n						-	46.2						-												x		-	-	-	-	-	-
36	B	f# h	b fl 8			47.1	0.70	45.7	45.1						310	310	190	5.9		36.0	9.0		48		9.9		32 x 17		4.1	5.1	4.0	310	0	145.9
37	C4	d# g	c fl 8 r			50.8	0.60	49.6	49.6	7			261	259	616	607	203	6.3		36.6	10.6		44	1/5	10.0	18	34 x 9	ancien D# Gambe	4.3	4.7	3.5	616	9	157.7
38	C#	e g						-	47.6					-	-												x		-	-	-	-	-	-
39	D	f g						-	45.7					-	-												x		-	-	-	-	-	-
40	D#	f# g	d# fl 8 r			46.3	0.60	45.1	43.9				212	213	515	514	205	5.5		33.5	9.3		46	1/5	9.6		30 x 15		4.3	4.9	3.6	515	1	143.7
41	E	g g						-	42.2					-	-												x		-	-	-	-	-	-
42	F	a# h						-	40.5					-	-												x		-	-	-	-	-	-
43	F#	b h	f# fl 8 r			40.5	0.60	39.3	38.9				178	177	432	432	185	5.2		30.1	7.5		40	1/5	8.0	25	28 x 7		4.2	5.2	4.0	432	0	125.3
44	G	c# h						-	37.3					-	-												x		-	-	-	-	-	-
45	G#	d h						-	35.9					-	-												x		-	-	-	-	-	-
46	A	d# h	a fl 8 r			35.7	0.60	34.5	34.4				147	147	362	363	190	4.7		27.0	6.4		35	1/5	7.2	15	24 x 12		4.1	5.4	4.2	362	-1	110.2
47	A#	Manquant		NEUF		34.4	0.60	33.2	33.1				138	138	341	341	190										x		-	-	-	341	0	106.2
48	B	f h	b fl 8			33.2	0.60	32.0	31.8				130	129	322	321	190	4.6		24.5	6.1		33	1/5	6.6	12	25 x 12		4.2	5.2	4.0	322	1	102.3
49	C5	Manquant		NEUF		31.5	0.60	30.3	30.5				122	122	303	303	190										x		-	-	-	303	0	97.2
50	C#	g# h	c# fl 8 r			29.9	0.60	28.7	29.3				114	115	286	287	190	4.2		22.7	5.5		30	1/5	5.6		22 x 11		4.1	5.2	4.1	286	-1	92.0
51	D	b h						-	28.1					-	-												x		-	-	-	-	-	-
52	D#	c# h						-	27.0					-	-												x		-	-	-	-	-	-
53	E	d h						-	25.9					-	-												x		-	-	-	-	-	-
54	F	d# h						-	24.9					-	-												x		-	-	-	-	-	-
55	F#	e h	f# fl 8 r			23.6	0.55	22.5	23.9				84	85	214	213	190	3.8		18.3	4.1		25	1/5	4.6		17 x 9		4.0	5.5	4.5	214	1	72.4
56	G	f h						-	23.0					-	-												x		-	-	-	-	-	-

MANTES-LA-JOLIE **Merklin** **A 3 : 435.0 hz**

Viole de gambe

E 4 vient de Voix céleste

Alliage	Corps	Pieds
☐ martelé	73%	-

Récit		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	l/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		tot calc	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	Haut	135		C G	72.0	0.90	70.2	2571	2580	255	9.0	25.0	55.5	14.5	70	1/4	17.0	25	37 x 21	frein harm.	4.0	4.8	3.8	2582	2	223.4
2	C#	Pointe						-	-								-			x	"	-	-	-	-	-	-
3	D	Ogive						-	-								-			x	"	-	-	-	-	-	-
4	D#		125		D# G	64.2	0.80	62.6	2159	2157	235	8.2	22.0	48.3	13.5	65	1/4	16.0	20	36 x 22	"	4.1	4.6	3.6	2169	12	199.2
5	E							-	-								-			x	"	-	-	-	-	-	-
6	F							-	-								-			x	"	-	-	-	-	-	-
7	F#		109		F# G	58.5	0.80	56.9	1812	1807	215	7.2	19.0	43.4	12.0	58	1/4	14.0	20	32 x 19	"	4.2	4.7	3.6	1821	14	181.3
8	G							-	-								-			x	"	-	-	-	-	-	-
9	G#							-	-								-			x	"	-	-	-	-	-	-
10	A		100		A G	52.3	0.80	50.7	1521	1518	200	7.2	16.0	37.5	10.5	51	1/4	12.5	20	26 x 16	"	4.3	4.8	3.6	1529	11	161.8
11	A#							-	-								-			x	"	-	-	-	-	-	-
12	B							-	-								-			x	"	-	-	-	-	-	-
13	**C2**	C			C G	46.4	0.80	44.8	1277	1277	200	6.0		34.3	9.5	46	1/4	11.0	18	24 x 16	frein harm.	4.2	4.7	3.6	1285	8	143.3
14	C#							-	-								-			x	"	-	-	-	-	-	-
15	D							-	-								-			x	"	-	-	-	-	-	-
16	D#	D#			D# G	41.5	0.75	40.0	1072	1073	200	5.6		31.0	8.5	42	1/4	9.8	18	21 x 14	"	4.1	4.7	3.6	1079	6	128.0
17	E							-	-								-			x	"	-	-	-	-	-	-
18	F							-	-								-			x	"	-	-	-	-	-	-
19	F#	F#			F# G	38.3	0.75	36.8	899	898	197	5.3		28.0	7.5	38	1/4	9.2	18	21 x 14	"	4.2	4.9	3.7	905	7	118.1
20	G							-	-								-			x	"	-	-	-	-	-	-
21	G#							-	-								-			x	"	-	-	-	-	-	-
22	A	A			A G	33.9	0.75	32.4	755	755	200	4.5		25.2	8.0	33	1/4	7.8	18	18 x 13	"	4.1	4.1	3.2	760	5	104.2
23	A#							-	-								-			x	"	-	-	-	-	-	-
24	B							-	-								-			x	"	-	-	-	-	-	-
25	**C3**				C G	29.6	0.65	28.3	634	634	198	4.6		22.9	7.0	30	1/4	7.1	18	15 x 11	"	4.0	4.0	3.3	638	4	90.8
26	C#							-	-								-			x	"	-	-	-	-	-	-
27	D							-	-								-			x	"	-	-	-	-	-	-
28	D#				D# G	27.5	0.65	26.2	531	533	197	3.8		20.2	6.5	27	1/4	6.6	18	13 x 10	"	4.2	4.0	3.1	535	2	84.2
29	E							-	-								-			x	"	-	-	-	-	-	-
30	F							-	-								-			x	"	-	-	-	-	-	-
31	F#	F#			F# G	24.7	0.60	23.5	445	448	195	3.4		17.9	5.5	24	1/4	5.5	18	12 x 8	"	4.2	4.3	3.3	449	1	75.7
32	G							-	-								-			x	"	-	-	-	-	-	-
33	G#							-	-								-			x	"	-	-	-	-	-	-
34	A	A			A G	23.0	0.55	21.9	373	376	195	3.5		16.0	5.0	22	2/9	4.7		13 x 8	"	4.4	4.4	3.2	376	0	70.5
35	A#							-	-								-			x	"	-	-	-	-	-	-
36	B					21.2	0.55	20.1	331								-			x	"	-	-	-	-	-	64.9
37	**C4**		NEUF			20.4	0.55	19.3	313	315							-			x	"	-	-	-	316	1	62.2
38	C#					19.5	0.55	18.4	295								-			x	"	-	-	-	-	-	59.5
39	D							-	-								-			x	"	-	-	-	-	-	-
40	D#					18.6	0.55	17.5	262	264	195	3.0		13.5	4.5	18	1/4	4.2		15 x 8	sans frein	4.2	3.9	3.0	265	1	56.7
41	E		NEUF			17.9	0.55	16.8	247	249							-			x		-	-	-	250	1	54.5
42	F					17.2	0.55	16.1	233								-			x		-	-	-	-	-	52.3
43	F#		NEUF			16.4	0.55	15.3	220	222							-			x		-	-	-	222	0	49.6
44	G					15.5	0.50	14.5	207	208	192	2.3		11.2	4.0	15	2/9	3.3		12 x 8		4.2	3.6	2.8	210	2	47.1
45	G#							-	-								-			x		-	-	-	-	-	-
46	A	A			A G	14.2	0.50	13.2	184	182	192	2.3		10.3	3.8	13	2/9	3.0	12	12 x 7		4.2	3.5	2.7	187	5	43.0
47	A#							-	-								-			x		-	-	-	-	-	-
48	B					12.7	0.50	11.7	164	164	189	2.0		9.6	3.0	12	1/4	2.8	12	12 x 7		4.0	3.9	3.2	166	2	38.3
49	**C5**		NEUF			12.2	0.50	11.2	155	156							-			x		-	-	-	157	1	36.8
50	C#		NEUF			11.6	0.50	10.6	146	148							-			x		-	-	-	148	0	34.9
51	D	D			D G	11.1	0.50	10.1	138	142	187	2.0		8.0	2.8	11	2/9	2.3		12 x 7		4.2	3.6	2.9	140	-2	33.3
52	D#							-	-								-			x		-	-	-	-	-	-
53	E							-	-								-			x		-	-	-	-	-	-
54	F					9.5	0.50	8.5	116								-			x		-	-	-	-	-	28.3
55	F#		NEUF			9.0	0.50	8.0	110	110							-			x		-	-	-	111	1	26.7
56	G					8.5	0.50	7.5	103	105	185	2.3		6.1	2.1	8	1/5	1.5		9 x 6		4.1	3.6	2.9	105	0	25.1

MANTES-LA-JOLIE

A 3 : 435.0 hz

Voix céleste 8'

Voix Céleste de 4 pieds 44 Notes

Alliage	Corps	Pieds
☐ martelé	-	-

Récit		Marques				Corps					Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapports bouche			Rallonge		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Pos.	l/Ø	Larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		accord	totale		ouv.	bas									/ Largeur	/ Haut	/ haut.	calculée	rallonge	rallonge
13	**C2**	c v	c Voix Céleste de 4 pieds 4			54.0	0.60	52.8		1275	205	5.5	15.3	37.4	10.0	51	0.34	17.7	20	32 x 19	frein harm	4.5	5.3	3.7	1279	4	167.8
14	C#							-												x	"	-	-	-	-	-	-
15	D							-												x	"	-	-	-	-	-	-
16	D#	d#	d# v			46.8	0.60	45.6		1070	200	5.0		34.0	9.0	45	0.31	14.2		x	"	4.3	5.1	3.8	1075	5	145.2
17	E							-												x	"	-	-	-	-	-	-
18	F							-												x	"	-	-	-	-	-	-
19	F#	f#	f# v			40.9	0.60	39.7		899	203	4.1		29.5	8.5	38	0.33	13.0	15	27 x 15	"	4.3	4.7	3.5	903	4	126.7
20	G							-												x	"	-	-	-	-	-	-
21	G#							-												x	"	-	-	-	-	-	-
22	A	a	a v			36.5	0.60	35.3		753	203	4.0		27.3	7.5	34	0.31	11.1		24 x 11	"	4.1	4.7	3.6	758	5	112.7
23	A#							-												x	"	-	-	-	-	-	-
24	B	b	b v			33.8	0.60	32.6		670	203			24.8	7.0	33	0.33	10.6		23 x 13	"	4.2	4.7	3.5	674	4	104.2
25	**C3**	NEUF				32.4	0.60	31.2		635	205			24.2	6.7	32	0.32	10.0		x		4.1	4.7	3.6	636	1	99.9
26	C#		c# v			31.0	0.55	29.9		596	203	3.8		23.8	6.5	30	0.32	9.5	15	21 x 12	"	4.0	4.6	3.7	600	4	95.7
27	D							-												x	"	-	-	-	-	-	-
28	D#	d#	d# v			28.7	0.55	27.6		531	205	3.4		21.3	6.0	27	0.28	7.6		18 x 11	"	4.1	4.6	3.6	534	3	88.3
29	E							-												x	"	-	-	-	-	-	-
30	F	NEUF				26.2	0.55	25.1		475										x		-	-	-	475	0	80.6
31	F#	f#	f# v			25.1	0.55	24.0		445	207	3.0		17.4	4.5	23	0.29	7.0		17 x 9	"	4.4	5.3	3.9	448	3	77.1
32	G							-												x	"	-	-	-	-	-	-
33	G#							-												x	"	-	-	-	-	-	-
34	A	a	a v			22.8	0.45	21.9		373	205	3.0		16.3	4.5	20	0.34	7.5		15 x 9	"	4.3	4.9	3.6	376	3	70.2
35	A#							-												x		-	-	-	-	-	-
36	B	NEUF				21.6	0.45	20.7		334										x	"	-	-	-	334	0	66.4
37	**C4**	c	c v			21.0	0.45	20.1		314	208	3.3		14.2	4.5	20	0.33	6.7		15 x 7	"	4.5	4.5	3.2	315	1	64.6
38	C#							-												x	" corps rallongé	-	-	-	-	-	-
39	D	NEUF				18.9	0.45	18.0		280										x		-	-	-	280	0	58.0
40	D#	d#	d# v			18.0	0.45	17.1		265	208	2.5		11.4	3.7	19	0.23	4.0	10	14 x 7	sans	4.8	4.6	3.1	265	0	55.1
41	E							-												x		-	-	-	-	-	-
42	F							-												x		-	-	-	-	-	-
43	F#	f#	f# v			15.9	0.45	15.0		223	208	2.2		11.0	3.8	16	0.22	3.3	10	13 x 7		4.4	3.9	2.9	222	-1	48.5
44	G							-												x		-	-	-	-	-	-
45	G#							-												x		-	-	-	-	-	-
46	A	a	a v			14.6	0.45	13.7		186	210	2.4		10.8	3.0	15	0.20	2.8	10	15 x 8		4.1	4.6	3.6	186	0	44.5
47	A#							-												x		-	-	-	-	-	-
48	B							-												x		-	-	-	-	-	-
49	**C5**	c	c v			12.8	0.45	11.9		155	188	2.0		8.0	2.8	13	0.25	3.0		10 x 7		4.8	4.3	2.9	156	1	38.8
50	C#	NEUF				12.3	0.45	11.4		147	188									x	plus rallongé	-	-	-	147	0	37.2
51	D	d	d					-												x	"	-	-	-	-	-	-
52	D#	c#			C#			-												x	"	-	-	-	-	-	-
53	E	d			D			-												x	"	-	-	-	-	-	-
54	F	d#			D#			-												x	"	-	-	-	-	-	-
55	F#	e			E	10.2	0.45	9.3		112	188			7.1	2.4	11	0.23	2.1		8 x 6	"	4.3	3.9	3.0	110	-2	30.6
56	G	f						-												x	"	-	-	-	-	-	-

MANTES-LA-JOLIE **Merklin** **A 3 = 870.0 hz**

Flûte octaviante 4' Lg théo - 7/5 du Ø int.

Alliage	Corps	Pieds
☐ martelé	-	-

Récit		Marques				Corps							Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapport bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Trou H	Trou	Long.	Ø	Ø ext.	larg.	haut.	pos.	l/Ø	larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		tot calc	totale	calculé	harm.		ouv.	bas									/ largeur	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	c			C F	72.0	0.80	70.4	1256	1251			205	6.5		53.5	15.4	71	1/5	14.7	30	55 x 27		4.2	4.6	3.5	1256	5	223.7
2	C#							-	-										-			x		-	-	-	-	-	-
3	D							-	-										-			x		-	-	-	-	-	-
4	D#	d#			D# F	64.0	0.80	62.4	1053	1050			205	6.0		48.0	14.7	66	1/5	13.3	20	54 x 23		4.1	4.2	3.3	1053	3	198.5
5	E							-	-										-			x		-	-	-	-	-	-
6	F							-	-										-			x		-	-	-	-	-	-
7	F#	f#			F# F	60.5	0.80	58.9	880	875			205	6.3		44.0	14.6	59	1/5	11.9	20	48 x 10		4.3	4.0	3.0	880	5	187.6
8	G							-	-										-			x		-	-	-	-	-	-
9	G#							-	-										-			x		-	-	-	-	-	-
10	A	a			A F	56.4	0.65	55.1	736	732			205	6.5		42.2	13.1.	57	1/5	11.7		44 x 8		4.2	#####	######	736	4	175.1
11	A#							-	-										-			x		-	-	-	-	-	-
12	B							-	-										-			x		-	-	-	-	-	-
13	**C2**	c			CF	53.0	0.65	51.7	614	614			200	5.8		40.0	11.5	52	1/5	10.5		38 x 22		4.1	4.5	3.5	614	0	164.5
14	C#							-	-										-			x		-	-	-	-	-	-
15	D							-	-										-			x		-	-	-	-	-	-
16	D#	d#			D#f	50.5	0.70	49.1	512	511			200	5.8		37.8	10.4	49	1/5	9.8	20	40 x 11		4.1	4.7	3.6	512	1	156.5
17	E							-	-										-			x		-	-	-	-	-	-
18	F							-	-										-			x		-	-	-	-	-	-
19	F#				F#F	49.5	0.70	48.1	425	424			200	5.5		36.1	9.8	48	1/5	9.7	20	38 x 21		4.2	4.9	3.7	425	1	153.3
20	G							-	-										-			x		-	-	-	-	-	-
21	G#							-	-										-			x		-	-	-	-	-	-
22	A	a			AF	46.7	0.75	45.2	353	352			200	5.4		35.2	9.5	45	1/5	9.2	18	35 x 19		4.1	4.8	3.7	353	1	144.4
23	A#							-	-										-			x		-	-	-	-	-	-
24	B	b			BF	45.8	0.70	44.4	311	310				5.3		33.4	8.6	43	1/5	9.0		x		4.2	5.2	3.9	311	1	141.7
25	**C3**	c			CFR	49.1	0.80	47.5	618	617	*262*	266	205	5.6		36.3	10.3	48	1/5	10.0	20	38 x 13	3 trous harm	4.2	4.6	3.5	618	1	151.7
26	C#							-	-		-								-			x		-	-	-	-	-	-
27	D							-	-		-								-			x		-	-	-	-	-	-
28	D#	d#			D#FR	41.0	0.65	39.7	520	517	*221*	221	205	5.5		30.4	9.0	41	1/5	8.0	16	37 x 21	3 trous harm	4.2	4.4	3.4	520	3	126.8
29	E							-	-		-								-			x		-	-	-	-	-	-
30	F							-	-		-								-			x		-	-	-	-	-	-
31	F#	f#			F#FR	34.3	0.60	33.1	437	435	*186*	188	200	4.8		26.3	7.7	35	1/5	7.0	16	27 x 10	2	4.0	4.3	3.4	437	2	105.9
32	G							-	-		-								-			x		-	-	-	-	-	-
33	G#							-	-		-								-			x		-	-	-	-	-	-
34	A	a			AFR	30.3	0.55	29.2	366	364	*155*	155	200	4.1		23.2	6.7	32	1/5	6.0	15	24 x 15	2	4.0	4.4	3.5	366	2	93.5
35	A#							-	-		-								-			x		-	-	-	-	-	-
36	B							-	-		-								-			x		-	-	-	-	-	-
37	**C4**	c			CFR	27.7	0.60	26.5	307	305	*127*	127	200	4.6		20.4	5.8	28	2/9	5.8	15	20 x 13	2	4.2	4.6	3.5	307	2	85.1
38	C#							-	-		-								-			x		-	-	-	-	-	-
39	D							-	-		-								-			x		-	-	-	-	-	-
40	D#	d#			D#FR	24.5	0.50	23.5	257	255	*105*	106	195	4.8		18.5	5.0	23	1/5	4.8	15	20 x 13	2	4.1	4.7	3.7	257	2	75.4
41	E							-	-		-								-			x		-	-	-	-	-	-
42	F							-	-		-								-			x		-	-	-	-	-	-
43	F#	f#			F#FR	20.1	0.55	19.0	217	215	*90*	86	195	3.8		15.7	4.9	23	1/4	4.5	12	17 x 11	2	3.9	3.9	3.2	217	2	61.4
44	G							-	au ton		-								-			x		-	-	-	-	-	-
45	G#							-	-		-								-			x		-	-	-	-	-	-
46	A	a			AFR	19.6	0.50	18.6	164	165	*72*	73	193	3.0		14.3	3.2		-		12	sans	ht. corps évasé	4.2	5.8	4.5	164	-1	60.0
47	A#							-	-		-								-				"	-	-	-	-	-	-
48	B							-	-		-								-				"	-	-	-	-	-	-
49	**C5**	c			CFR	18.0	0.55	16.9	136	136	*58*	60	193	3.0		12.9	3.0		-		12		"	4.2	5.6	4.3	136	0	54.8
50	C#							-	-		-								-				"	-	-	-	-	-	-
51	D							-	-		-								-				"	-	-	-	-	-	-
52	D#							-	-		-								-				"	-	-	-	-	-	-
53	E							-	-		-								-				"	-	-	-	-	-	-
54	F							-	-		-								-				"	-	-	-	-	-	-
55	F#	f#			F#FR	13.7	0.55	12.6	95	94	*40*	40	190	2.4		10.7	2.1		-		10		"	3.9	6.0	5.1	95	1	41.3
56	G							-	-		-								-				"	-	-	-	-	-	-

MANTES-LA-JOLIE

Octavin 2'

A 3 = 1740.0 hz

Alliage	Corps	Pieds
☐ martelé	-	-

Récit		Marques				Corps							Pied			Bouche		Entaille			Dents	Oreilles	Observations	Rapport bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Long.	Long	Trou H	Trou	Long.	Ø	Ø ext.	larg.	haut.	pos.	l/Ø	larg.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		tot calc	totale	calculé	harm.		ouv.	bas									/ largeur	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**	C			C OC	50.8	0.60	49.6	616	617			200	4.8		38.4	10.7	50	1/5	10.0	20	38 x 21		4.1	4.6	3.6	624	7	157.7
2	C#							-	-										-			x		-	-	-	-	-	-
3	D							-	-										-			x		-	-	-	-	-	-
4	D#	d#			D#OC	47.2	0.60	46.0	514	514			205	4.9		35.9	10.1	47	1/5	9.3	20	38 x 21		4.1	4.6	3.6	522	8	146.4
5	E							-	-										-			x		-	-	-	-	-	-
6	F							-	-										-			x		-	-	-	-	-	-
7	F#	f#			F#OC	44.8	0.60	43.6	428	427			200	4.6		32.3	9.5	44	2/9	9.5	16	34 x 19		4.3	4.6	3.4	435	8	138.9
8	G							-	-										-			x		-	-	-	-	-	-
9	G#							-	-										-			x		-	-	-	-	-	-
10	A	a			AOC	42.7	0.70	41.3	356	356			200	4.3		31.8	9.0	42	1/5	8.7	16	32 x 18		4.1	4.6	3.5	363	7	131.9
11	A#							-	-										-			x		-	-	-	-	-	-
12	B	b			BOC	41.2	0.60	40.0	315	317			200	4.5		30.4	9.5	40	1/4	9.5	16	31 x 17		4.2	4.2	3.2	321	4	127.5
13	**C2**	c			COC	41.8	0.65	40.5	295	624		272	200	5.1		31.2	9.4	42	1/5	8.1	15	32 x 18	2 trous	4.1	4.3	3.3	630	6	129.3
14	C#							-	-										-			x		-	-	-	-	-	-
15	D							-	-										-			x		-	-	-	-	-	-
16	D#	d#			OCR D#	39.2	0.70	37.8	245	518		224	200	5.3		28.8	8.1	38	1/5	8.0	20	32 x 18		4.2	4.7	3.6	527	9	121.0
17	E							-	-										-			x		-	-	-	-	-	-
18	F							-	-										-			x		-	-	-	-	-	-
19	F#	f#			F#OCR	36.1	0.60	34.9	203	440		185	200	4.5		26.8	8.0	37	2/9	7.6	15	25 x 14		4.2	4.4	3.4	441	1	111.5
20	G							-	-										-			x		-	-	-	-	-	-
21	G#							-	-										-			x		-	-	-	-	-	-
22	A	a			AOCR	33.4	0.55	32.3	168	366		150	200	4.7		24.9	6.7	34	1/4	7.5	15	23 x 14		4.1	4.8	3.7	369	3	103.2
23	A#							-	-										-			x		-	-	-	-	-	-
24	B							-	-										-			x		-	-	-	-	-	-
25	**C3**	c			COCR	30.1	0.70	28.7	305	305	*124*	122	198	4.0		21.8	5.6	30	2/9	6.3	12	20 x 11		4.2	5.1	3.9	309	4	92.4
26	C#							-	-		-								-			x		-	-	-	-	-	-
27	D							-	-		-								-			x		-	-	-	-	-	-
28	D#	d#			D#OCR	27.2	0.50	26.2	255	254	*101*	102	198	4.9		17.6	4.7	27	1/5	5.6	12	20 x 11		4.8	5.6	3.7	259	5	83.9
29	E							-	-		-								-			x		-	-	-	-	-	-
30	F							-	-		-								-			x		-	-	-	-	-	-
31	F#	f#			F#OCR	24.1	0.50	23.1	213	215	*84*	85	193	3.4		17.5	4.1	25	2/9	5.0	12	16 x 10		4.2	5.6	4.3	217	2	74.1
32	G							-	-		-								-			x	au ton	-	-	-	-	-	-
33	G#							-	-		-								-			x	plus d' oreilles	-	-	-	-	-	-
34	A	a			AOCR	20.5	0.50	19.5	163	160	*70*	71	192	3.3		14.4	3.3		-			x		4.4	5.9	4.4	182	22	62.8
35	A#							-	-		-								-			x		-	-	-	-	-	-
36	B							-	-		-								-			x		-	-	-	-	-	-
37	**C4**	c			COCR	18.2	0.50	17.2	136	135	*58*	60	193	3.0		13.0	3.1		-		10	x		4.3	5.5	4.2	153	18	55.6
38	C#							-	-		-								-			x		-	-	-	-	-	-
39	D							-	-		-								-			x		-	-	-	-	-	-
40	D#	d#			D#OCR	16.1	0.50	15.1	113	112	*48*	48	190	2.4		10.8	2.5		-		10	x		4.5	6.0	4.3	128	16	49.0
41	E							-	-		-								-			x		-	-	-	-	-	-
42	F							-	-		-								-			x		-	-	-	-	-	-
43	F#	f#			F#OCR	13.7	0.50	12.7	95	93	*40*	40	188	2.8		9.5	2.4		-		10	x		4.4	5.3	4.0	107	14	41.5
44	G							-	-		-								-			x		-	-	-	-	-	-
45	G#							-	-		-								-			x		-	-	-	-	-	-
46	A	a			AOCR	11.8	0.50	10.8	80	79	*34*	33	190	2.5		9.0	2.0		-		10	x		3.9	5.4	4.5	90	11	35.5
47	A#							-	-		-								-			x		-	-	-	-	-	-
48	B							-	-		-								-			x		-	-	-	-	-	-
49	**C5**	c			COCR	10.3	0.45	9.4	66	67	*28*	27	187	2.7		7.6	1.7		-			x		4.1	5.5	4.5	76	9	30.9
50	C#							-	-		-								-			x		-	-	-	-	-	-
51	D							-	-		-								-			x		-	-	-	-	-	-
52	D#							-	-		-								-			x		-	-	-	-	-	-
53	E							-	-		-								-			x		-	-	-	-	-	-
54	F							-	-		-								-			x		-	-	-	-	-	-
55	F#	f#			F#OCR	7.2	0.45	6.3	48	47	*20*	19	185	2.5		7.4	1.5		-		non	x		2.9	4.2	4.9	54	7	21.2
56	G							-	-		-								-			x		-	-	-	-	-	-

MANTES-LA-JOLIE **A 3 = 435. Hz**

Trompette 8'

Alliage	Corps	Pieds
☐ martelé	-	-

Récit		Marques				Corps							Pointe					Noyau			Anche								Rasette	Lang.	Entaille		Observations	Rallonge	
		Manuscrites		Poinçons		Coef.	Ø Ht	Ø Bas	Ep.	Long.	Long.	Long.	Coef.	Ø Ht	Ø Bas	Ep.	Long.	Ø	haut.	type	long.	sail.	sail	Ø	Ø	ép.	larg.	haut.	Ø	ép.	larg.	posit.		Long. totale	Long.
435.0hz		Pointe	Corps	Pointe	Corps	pente	ext.	ext.	métal	réson.	recouv.	totale	pente	ext.	ext.	métal							calc	int.	ext.		ouv.							calculée	rallonge
1	C1			C T	C Tx	4.12%	110.7	33.0	0.80	1887	96	2379	4.97%	39.0	16.0	1.10	463	36.5	43.0	A	120	82	82	9.4	11.8	1.2	5.4	9.8	2.6	0.51	23.0	107		2372	-7
2	C#					-						-	-						43.0			78	79	9.4	11.8	1.2				0.50				-	-
3	D					-						-	-						43.0			77	76	9.4	11.8	1.2				0.49				-	-
4	D#			D# T	D# Tx	4.63%	102.8	29.2	0.75	1590	92	1996	5.48%	36.0	15.0	1.00	383	34.0	42.0			72	73	8.4	10.8	1.2	4.7	9.0		0.47	21.5	100		1998	2
5	E					-						-	-						42.0			69	70	8.4	10.8	1.2			2.3	0.44				-	-
6	F					-						-	-						42.0			66	67	8.4	10.8	1.2				0.44				-	-
7	F#			F# T	F# Tx	5.06%	95.7	27.7	0.75	1345	81	1687	5.99%	34.5	15.5	1.00	317		42.0			65	64	8.4	10.8	1.2				0.46	20.5	93		1668	-20
8	G					-						-	-					32.0	38.5			60	62	7.9	10.1	1.1	4.6	8.3		0.46				-	-
9	G#					-						-	-						38.5			57	59	7.9	10.1	1.1				0.46				-	-
10	A	pavillon intrus		A T	A T	6.09%	94.3	25.2	0.70	1134	74	1426	7.04%	33.0	14.0	1.00	270		38.5			62	57	7.9	10.1	1.1			2.1	0.41	20.0	92		1410	-16
11	A#					-						-	-						38.5			59	55	7.9	10.1	1.1				0.41				-	-
12	B					-						-	-						38.5			56	53	7.0	9.0	1.0	4.3	7.4		0.41				-	-
13	C2			C T	C Tx	6.42%	84.4	23.0	0.65	956	63	1199	7.99%	30.5	13.0	1.00	219	31.0	36.0	O+B	82	53	51	7.0	9.0	1.0				0.39	18.0	81		1186	-13
14	C#					-						-	-						36.0			51	49	7.0	9.0	1.0				0.40				-	-
15	D					-						-	-						36.0			54	47	7.0	9.0	1.0				0.40				-	-
16	D#			D# T	D# Tx	7.55%	82.2	20.3	0.65	820	70	1002	9.59%	29.0	12.5	1.00	172	28.0	35.0			51	45	6.4	8.4	1.0	4.5	6.7		0.38	17.0	79		1001	0
17	E					-						-	-						35.0			43	43	6.4	8.4	1.0				0.38				-	-
18	F			F T	F Tx	8.33%	79.8	18.6	0.60	735	64	895	9.46%	26.5	12.5	1.00	148		35.0			42	41	6.4	8.4	1.0				0.38	16.4	77		890	-6
19	F#			F# T		8.69%	79.0	11.5	0.75	777		852	-						35.0			41	40	6.4	8.4	1.0				0.35	16.5	74		839	-13
20	G					-						-	-					27.0	32.0			40	38	6.2	7.8	0.8	3.8	6.5		0.35				-	-
21	G#					-						-	-						32.0			39	37	6.2	7.8	0.8				0.33				-	-
22	A			A T		9.57%	73.5	11.5	0.75	648		715	-						32.0			36	35	6.2	7.8	0.8				0.32	15.5	71		705	-10
23	A#					-						-	-						32.0			36	34	6.2	7.8	0.8				0.30				-	-
24	B					-						-	-						32.0			32	33	6.2	7.8	0.8				0.32				-	-
25	C3			C T		11.40%	72.0	11.0	0.70	535		596	-					26.0	30.0			33	31	5.6	7.2	0.8	3.5	6.0		0.30	sans			596	0
26	C#					-						-	-						30.0			31	30	5.6	7.2	0.8				0.29				-	-
27	D					-						-	-						30.0			28	29	5.6	7.2	0.8			1.8	0.30				-	-
28	D#			D# T		12.93%	68.0	11.0	0.70	441		499	-						30.0			28	28	5.6	7.2	0.8				0.27				499	0
29	E					-						-	-						30.0			28	27	5.6	7.2	0.8				0.26				-	-
30	F					-						-	-					24.5	29.0			28	26	4.7	6.3	0.8	3.2	5.3		0.27				-	-
31	F#			F# T		14.44%	63.0	10.0	0.70	367		421	-						29.0			27	25	4.7	6.3	0.8				0.26				422	1
32	G					-						-	-						29.0			28	24	4.7	6.3	0.8				0.26				-	-
33	G#					-						-	-						29.0			23	23	4.7	6.3	0.8				0.24				-	-
34	A			A T		16.18%	59.0	9.8	0.65	304		355	-						29.0			23	22	4.7	6.3	0.8				0.23				352	-2
35	A#					-						-	-						29.0			22	21	4.7	6.3	0.8				0.23				-	-
36	B			B T		17.59%	57.0	9.5	0.65	270		317	-					23.0	27.0			22	20	4.6	6.0	0.7	3.4	4.8		0.23				314	-3
37	C4			C T R		11.56%	73.0	10.0	0.70	545		591	-						27.0			16	19	4.6	6.0	0.7				0.22				593	2
38	C#					-						-	-						27.0			22	19	4.6	6.0	0.7				0.24				-	-
39	D					-						-	-						27.0			18	18	4.6	6.0	0.7			1.6	0.22				-	-
40	D#			D# T R		12.80%	68.0	10.0	0.70	453		497	-						27.0			18	17	4.6	6.0	0.7				0.17				496	-1
41	E					-						-	-						27.0			17	16	4.6	6.0	0.7				0.17				-	-
42	F					-						-	-						27.0			12	16	3.9	5.3	0.7	2.8	4.3		0.17				-	-
43	F#			F# T R		14.27%	63.0	9.5	0.70	375		415	-					22.0	25.0			15	15	3.9	5.3	0.7				0.15				420	4
44	G	Manquant		NEUF		14.97%	62.0	9.0	0.70	354		394	-						25.0			13	15	3.9	5.3	0.7				0.15			NEUF	396	2
45	G#			G# T R		15.77%	61.0	8.5	0.70	333		372	-						25.0			12	14	3.9	5.3	0.7				0.14				373	1
46	A			A T R		16.07%	59.0	9.5	0.65	308		346	-						25.0			12	13	3.9	5.3	0.7				0.12				351	5
47	A#					-						-	-						25.0			11	13	3.9	5.3	0.7				0.12				-	-
48	B					-						-	-					21.0	24.0	O		11	12	3.6	4.8	0.6	3.0	4.0		0.12				-	-
49	C5			C T R		18.58%	57.0	8.5	0.65	261		297	-						24.0			10	12	3.6	4.8	0.6				0.10				296	-1
50	C#					-						-	-						24.0			9	11	3.6	4.8	0.6				0.10				-	-
51	D					-						-	-						24.0			10	11	3.6	4.8	0.6				0.10				-	-
52	D#					-						-	-						24.0			11	11	3.6	4.8	0.6				0.10				-	-
53	E					-						-	-						24.0			7	10	3.6	4.8	0.6				0.12				-	-
54	F					-						-	-						24.0			9	10	3.6	4.8	0.6				0.08				-	-
55	F#					-						-	-						24.0			7	9	3.6	4.8	0.6				0.08				-	-
56	G			G T R		26.07%	51.0	8.5	0.65	163		196	-						24.0		21	9	9	3.6	4.8	0.6				0.08				196	0

MANTES-LA-JOLIE **A 3 = 435. Hz**

Basson Hautbois 8'

Noyau différents

Récit		Marques				Corps								Pointe				Noyau			Anche											
		Manuscrites		Poinçons		Ø ht	Ø inter.	Ø bas	ép.	long.	long.	long.	long.	Ø ht	Ø bas	ép.	long.	Ø	haut.	type	long.	sail.	Ø bas	Ø haut	Ep.	haut	haut.	larme			ép.
435.0hz		Pointe	Corps	Pieds	Corps	ext.	ext.	ext.	métal	sup.	inf.	recouv.	totale	ext.	ext.	métal							ext.	ext.	métal	bout	coin	Ø gros	Ø petit	Long.	couv
1	**C1**				C B	83.5		21.6	0.70		1893	88	2259	27.5	17.5	1.10	331	38.0	46.0	C+B	123	77	12.5	17.5	1.10	14.6	11.2	8.0	3.6	52	2.3
2	C#												-						46.0		119	74	12.5	17.0	1.10	14.6	11.2	8.0	3.6	50	2.3
3	D												-						46.0		113	68	12.3	16.9	1.10	14.4	10.6	7.9	3.6	48	2.0
4	D#					76.2		19.0	0.65		1614	115	1894	25.5	15.5	1.00	281		46.0		110	68	11.7	15.7	1.10	13.6	9.8	7.8	9.8	47	2.0
5	E												-						46.0		105	68	11.6	15.7	1.10	13.3	9.9	7.6	3.4	45	2.0
6	F												-						46.0		101	62	11.5	15.5	1.10	12.8	10.1	7.4	3.4	43	2.0
7	F#					71.0		17.6	0.60		1360	95	1611	23.8	14.5	0.90	238	33.0	44.0		97	64	11.0	14.8	1.10	12.6	9.4	7.4	3.2	42	1.8
8	G												-						44.0		92	62	11.0	14.6	1.10	12.2	9.6	7.5	3.2	40	1.8
9	G#												-						44.0		88	57	11.0	14.2	1.10	12.1	9.4	7.0	3.1	38	1.8
10	A					65.5		15.9	0.60		1135	60	1365	23.2	14.9	1.00	190		44.0		84	56	10.7	14.0	0.90	11.7	9.2	6.7	3.1	36	1.8
11	A#												-						44.0		80	50	10.0	12.9	0.90	11.3	8.9	6.6	2.7	35	2.0
12	B												-						44.0		77	50	9.9	12.7	0.90	10.8	8.7	6.7	2.9	34	2.0
13	**C2**					62.7		15.6	0.60		955	74	1125	22.0	13.2	1.00	157	29.0	38.0		74	49	9.8	12.7	0.90	10.8	8.8	6.4	2.8	32	2.0
14	C#												-						38.0		72	46	9.6	12.5	0.90	10.8	8.3	6.0	2.5	31	1.5
15	D												-						38.0		71	46	9.3	12.0	0.90	10.4	8.2	5.9	2.5	30	1.9
16	D#					57.9		14.0	0.50		810	68	950	20.0	12.5	0.90	128		38.0		69	42	9.2	12.0	0.90	10.4	8.2	5.5	2.3	29	1.9
17	E												-						38.0		67	40	9.2	11.7	0.90	10.2	8.0	5.5	2.7	27	1.9
18	F					53.4		15.6	0.50		684	47	850	21.0	12.2	0.10	135	30.5	38.0	O+B	67	40	8.1	11.2	0.90	9.4	7.3	5.0	1.2	29	0.8
19	F#		A		F# B	54.0		11.5	0.60		725		799					28.0	35.0		67	39	8.1	11.2	0.90	9.4	7.3	4.8	1.2	28	0.8
20	G												-						35.0		64	38	7.5	10.8	0.90	8.9	6.7	4.8	1.2	27	0.8
21	G#												-						35.0		62	37	7.5	10.6	0.90	9.0	6.7	4.6	1.2	25	1.1
22	A		C		A B	50.5		11.0	0.60		603		673						35.0		60	35	7.5	10.6	0.90	8.7	7.0	4.8	1.2	24	1.1
23	A#				A# B	50.0		11.0	0.60		568		636					27.0	33.0		59	35	7.5	10.6	0.90	8.9	6.9	4.2	1.0	24	1.0
24	B												-								55	33	6.7	9.9	0.90	8.4	6.0	4.2	1.0	23	0.8
25	**C3**		C			77.0	27.5	12.2	0.70	154	365		584					30.0	35.0	A	55	30	7.1		0.90	5.7		3.5			
26	C#												-						35.0			26	7.1		0.90						
27	D												-						35.0			29	7.1		0.90						
28	D#		D#			69.0	26.0	11.8	0.80	131	303		493						35.0			24	6.6		0.90	5.2		3.2			
29	E												-									22	6.6		0.90						
30	F												-									24	6.0		0.80	4.6		3.2			
31	F#		F#			62.0	22.0	10.0	0.70	112	247		414					27.7	33.0			22	6.4		0.90						
32	G												-						33.0			20	6.2		0.90						
33	G#												-						33.0			19	6.4		0.90						
34	A		A			59.0	20.8	10.0	0.70	106	195		355						33.0			21	6.2		0.90						
35	A#												-						33.0			21	6.2		0.90						
36	B												-						33.0			17	6.4		0.90						
37	**C4**		C			49.0	20.0	10.0	0.70	82	161		293						33.0		40	17	5.8		0.90	4.4		3.0			
38	C#												-									16	5.8		0.90						
39	D												-									17	5.7		0.90						
40	D#		D#			47.0	17.5	9.5	0.70	77	121		243					24.0	30.0			15	5.8		0.90						
41	E												-						30.0			15	5.7		0.90						
42	F												-						30.0			13	5.6		0.90						
43	F#		F#			41.0	17.0	9.5	0.70	63	99		205						30.0			13	5.3		0.80	4.0		2.7			
44	G												-						30.0			12	5.7		0.80						
45	G#												-						30.0			11	5.3		0.80						
46	A		A			41.0	16.0	8.5	0.70	59	75		146									12	5.3		0.80						
47	A#												-									8	5.3		0.80						
48	B												-									9	5.0		0.80	3.8		2.5			
49	**C5**					37.0	14.0	8.0	0.65	51	56		142					21.0	27.0		30	8	5.0		0.80						
50	C#												-						27.0			10	5.0		0.80						
51	D									50	45		130						27.0			8	5.0		0.80						
52	D#		intrus à conserver							39	42		117						27.0			9	4.5		0.60	3.5		2.5			
53	E		intrus à conserver							40	32		109						27.0			10	4.5		0.60						
54	F		intrus à conserver			26.0	10.5	6.5	0.65	32	34		101						27.0			8	5.0		0.60						
55	F#		intrus	NEUF		26.0	10.0	7.0	0.65	35	28		97						27.0			7	4.8		0.60						
56	G		intrus à conserver			26.6	10.0	7.7	0.65	37	19		90						27.0			7	5.2		0.60						

MANTES-LA-JOLIE

A 3 = 435. Hz

Voix humaine 8'

D# & E1 neufs

Corps	Pieds	Alliage
-	-	☐ martelé

		Marques				Corps				Pointe		Pied			Noyau			Anche								Rasette	Lang.	Entaille		Observations
		Manuscrites		Poinçons		Ø ht	ép.	long.	long.	Ø bas	long.	long.	Ø	Ø ext.	Ø	haut.	type	long.	long.	sail.	ép.	Ø	Ø	larg.	haut.	Ø	ép.	larg.	posit.	
435.0hz		Pieds	Corps	Pieds	Corps	ext.	métal	corps	totale	ext.			ouv.	bas				totale			métal	int.	Ext.	ouv.							
1	**C1**				C V	35.0	0.70	203	410	17.0	80				36.5	42.0	A		121	85	1.2	9.2	11.6	5.0	10.0	2.2	0.50			Merklin
2	C#								-							42.0			119	83	1.2	9.2	11.6				0.50			"
3	D				D V	35.0	0.70	189	391	17.0	80					42.0	A		112	80	1.2	9.2	11.6				0.49			"
4	D#	NEUF				35.0	0.70	176	376	17.0	80				33.8	41.5	A			78	1.2	9.2	11.6							Neuf
5	E	NEUF				35.0	0.70	163	361	17.0	80					41.5	A			76	1.2	9.2	11.6							"
6	F		c			33.8	0.70	151	328	17.2	76				29.5	26.5	O		111	74	1.1	8.6	10.8	4.7	9.2		0.44			facture A C C
7	F#		c#			33.8	0.70	150	249							26.5			107	72	1.1	8.6	10.8				0.44			"
8	G		d			33.8	0.70	145	242							26.5			105	70	1.1	8.6	10.8				0.44			"
9	G#		e			33.8	0.70	139	310	17.0	76					26.5			101	68	1.1	8.6	10.8				0.43			"
10	A		?			33.8	0.70	138	310	13.0	79					26.5			99	66	1.0	7.7	9.7	4.3	8.3		0.43			"
11	A#		f			33.8	0.70	131	298	17.0	76					26.5			95	65	1.0	7.7	9.7				0.41			"
12	B		f#			33.8	0.70	126	291	16.5	76					26.5			92	63	1.0	7.7	9.7				0.40			"
13	**C2**		g			33.8	0.70	121	285		76					26.5			89	61	1.0	7.7	9.7				0.40			"
14	C#		a			33.8	0.70	118	280		76					26.5			87	60	1.0	6.9	8.7	3.9	7.4		0.40			"
15	D		g#			33.8	0.70	115	275		76					26.5			84	58	1.0	6.9	8.7				0.40			"
16	D#		bb			31.7	0.70	110	271	15.2	78					26.5			82	56	1.0	6.9	8.7			2.0	0.38			"
17	E		b			31.7	0.70	107	265	14.0	80				26.5	23.0	O		79	55	1.0	6.7	8.7				0.38			"
18	F		c			31.7	0.70	102	255	14.0	77					23.0			76	53	0.9	6.4	8.2	3.7	7.0		0.38			"
19	F#		c#						-							23.0			74	52	0.9	6.4	8.2				0.36			"
20	G		d						-							23.0			72	50	0.9	6.4	8.2				0.36			"
21	G#		e			31.7	0.70	96	246	14.0	78					23.0			70	49	0.9	6.4	8.2				0.33			"
22	A		f						-							23.0			68	48	0.8	5.9	7.5	3.5	6.3					"
23	A#		e						-							23.0			65	46	0.8	5.9	7.5							"
24	B		f#			31.7	0.70	89	235	14.0	78					23.0			64	45	0.8	5.9	7.5							"
25	**C3**		g						-							23.0			60	44	0.8	5.9	7.5				0.28			"
26	C#		g#			30.0	0.70	82	147							23.0			57	42	0.7	5.1	6.5	3.1	5.4		0.30			"
27	D		a			30.0	0.70	80	220	13.5	78					23.0			56	39	0.7	5.1	6.5				0.28			"
28	D#		bb						-							23.0			55	37	0.7	5.1	6.5				0.27			"
29	E		b						-							23.0			54	35	0.7	5.1	6.5				0.27			"
30	F		c			30.0	0.65	70	204	14.0	78					23.0			52	33	0.7	5.1	6.5				0.27			"
31	F#		c#						-							23.0			51	32	0.7	4.8	6.2	3.1	5.0		0.27			"
32	G		d						-							23.0			50	30	0.7	4.8	6.2				0.22			"
33	G#		eb			30.0	0.65	78	207	14.0	78					23.0			49	28	0.7	4.8	6.2				0.22			"
34	A		e						-							23.0			47	27	0.7	4.8	6.2				0.22			"
35	A#		f						-							23.0			46	25	0.7	4.8	6.2				0.22			"
36	B		f#			28.5	0.65	54	178	12.5	77					23.0			44	24	0.7	4.8	6.2				0.20			"
37	**C4**		g						-						23.2	20.0			43	23	0.7	4.3	5.7	2.7	4.8		0.21			"
38	C#		g#						-							20.0			43	22	0.7	4.3	5.7				0.17			"
39	D		a			28.5	0.65	47	164	12.5	77					20.0			40	20	0.7	4.3	5.7				0.17			"
40	D#		bb						-							20.0			39	19	0.7	4.3	5.7				0.17			"
41	E		b						-							20.0			40	18	0.7	4.3	5.7				0.17			"
42	F		c#			28.5	0.65	41	154	13.5	76					20.0			36	17	0.7	4.3	5.7				0.17			"
43	F#		d						-							20.0			36	16	0.5	4.0	5.0	2.6	4.0		0.17			"
44	G		c#			28.5	0.65	36	149	12.3	78					20.0			36	15	0.5	4.0	5.0				0.17			"
45	G#		eb			28.5	0.65	35	148	12.3	78					20.0			35	15	0.5	4.0	5.0				0.13			"
46	A		e			27.2	0.65	32	144	11.7	78					20.0			35	14	0.5	4.0	5.0				0.13			"
47	A#		g						-							20.0			34	13	0.5	4.0	5.0				0.13			"
48	B		f#			27.2	0.80	27	137	11.8	78					20.0			34	12	0.5	4.0	5.0				0.13			"
49	**C5**		g						-							20.0			31	12	0.5	4.0	5.0	2.2	4.1		0.10			"
50	C#		?						-							20.0			31	11	0.5	4.0	5.0				0.10			"
51	D		?						-							20.0			30	11	0.5	4.0	5.0				0.10			"
52	D#		?			27.2	0.80	7	115	12.0	78					20.0			30	10	0.5	4.0	5.0				0.10			"
53	E		?													20.0			30	9	0.5	4.0	5.0				0.10			"
54	F		?						-		77					20.0			30	9	0.5	4.0	5.0				0.08			"
55	F#		?						-		73					20.0			28	8	0.5	4.0	5.0				0.08			"
56	G		?						-		60				21.0	17.0			28	8	0.5	4.0	5.0				0.08			"

MANTES-LA-JOLIE

A 3 = 217.5 hz

Soubasse 32'

tailles 2 par 2

Alliage	Corps	Pieds
☐ martelé	-	-

Pédale		Marques				Corps								Pied			Bouche			Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Ep				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		int.	int.	bloc	accord	totale		ouv.	bas			couv.				/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**						34.00	363.3	360	288	170	4800	4970				285.0	70.0			x		4.0	5.2	4.1	5315	515	1141.4
2	C#							-													x		-	-	-	-	-	-
3	D							-													x		-	-	-	-	-	-
4	D#						34.00	341.9	335	274	165	4040	4205				266.0	68.0			x		4.0	5.0	3.9	4478	438	1074.0
5	E							-													x		-	-	-	-	-	-
6	F						28.00	302.5	302	238	155	3400	3555				235.0	69.0			x		4.0	4.4	3.4	3986	586	950.4
7	F#						28.00	299.6	300	235	155	3200	3355				232.0	68.0			x		4.1	4.4	3.4	3765	565	941.2
8	G							-													x		-	-	-	-	-	-
9	G#							-													x		-	-	-	-	-	-
10	A						26.00	280.7	275	225	145	2825	2970				210.0	70.0			x		4.2	4.0	3.0	3170	345	881.8
11	A#							-													x		-	-	-	-	-	-
12	B						23.00	261.1	255	210	145	2520	2665				205.0	65.0			x		4.0	4.0	3.2	2824	304	820.3
13	**C2**							-													x		-	-	-	-	-	-
14	C#						24.00	244.3	238	197	140		2565	110	42.0		185.0	68.0			x		4.1	3.6	2.7	2521	-44	767.6
15	D							-													x		-	-	-	-	-	-
16	D#						22.00	222.0	215	180	132		2200	110	28.0		170.0	60.0			x		4.1	3.7	2.8	2247	47	697.4
17	E							-													x		-	-	-	-	-	-
18	F						20.00	203.1	200	162	128		1935	100	28.0		155.0	50.0			x		4.1	4.1	3.1	2003	68	638.1
19	F#							-													x		-	-	-	-	-	-
20	G						18.00	190.1	188	151	124		1720	100	22.0		144.0	50.0			x		4.1	3.8	2.9	1785	65	597.3
21	G#							-													x		-	-	-	-	-	-
22	A						18.00	182.9	180	146	118		1545	100	22.0		137.0	48.0	25		x		4.2	3.8	2.9	1593	48	574.7
23	A#							-													x		-	-	-	-	-	-
24	B						18.00	170.9	170	135	112		1375	85	20.0		128.0	44.0	25		x		4.2	3.9	2.9	1423	48	537.0
25	**C3**							-													x		-	-	-	-	-	-
26	C#						18.00	162.7	160	130	110		1235	85	20.0		122.0	41.0	24		x		4.2	4.0	3.0	1271	36	511.3
27	D							-													x		-	-	-	-	-	-
28	D#						18.00	150.1	150	118	110		1115	80	20.0		112.0	37.0	24		x		4.2	4.1	3.0	1135	20	471.6
29	E							-													x		-	-	-	-	-	-
30	F						18.00	140.0	140	110	105		995	80	20.0		102.0	37.0	24		x		4.3	3.8	2.8	1015	20	439.9

MANTES-LA-JOLIE * lévre sup. changée par Merklin ? **A 3 = 217.5 hz**

Flûte 16' ** noyau recoupé par Merklin ? Merklin

Alliage	Corps
☐ martelé	-

Pédale			Corps										Pied			Bouche				Entaille			Plaque accord			Lèvre	Bloc	Observations	Rapports bouche			Rallonges	
			Ø Ext.	Ep.	Ø Int.	Prof.	Rap	Larg.	Haut.	Long.	Lg tot	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Haut.	Ep	Long.	Ø/Pr	Ø				rapportée			Circ.	Ø	larg.	Long.	Long.
435.0hz				métal		int.		int.	bloc	accord	calculée	totale		ouv.	bas		origine	actuel.	couv.										/ larg.	/ haut	/ haut.	calculée	rallonge
1	**C1**			23.00	279.9	264	1.13	233	170	4308	5032	5012	100	34.0		233.0	57.0	40.0	32	265	28%	75.0				246 x 31	25 x 25		3.8	4.9	4.1	4862	20
2	C#				-																						x		-	-	-	-	-
3	D				-																						x		-	-	-	-	-
4	D#	*		23.00	253.3	240	1.14	210	172	3572	4233	4237	100	34.0		210.0	54.0	39.0	30	243	28%	66.0	218	140	14	233 x 31	25 x 25		3.8	4.7	3.9	4061	-4
5	E	*			-																						x		-	-	-	-	-
6	F	*			-																						x		-	-	-	-	-
7	F#	*		19.00	228.5	217	1.15	189	135	2915	3527	3525	100	28.0			45.0	36.0	30	270	26%	56.0				210 x 30	25 x 25		-	5.1	0.0	3392	2
8	G	*		24.00	222.1	214	1.18	181	138	2750	3326	3325	100	29.0		182.0	45.0			213	28%	60.0					27 x 27		3.8	4.9	4.0	3188	1
9	G#	*			-																						x		-	-	-	-	-
10	A	*		21.00	211.5	202	1.16	174	137	2405	2960	2965	100	29.0		173.0	44.0		31	217	31%	62.0	205	128	10		25 x 25		3.8	4.8	3.9	2823	-5
11	A#				-																						x	Merklin	-	-	-	-	-
12	B	*			-																						x		-	-	-	-	-
13	**C2**	*		21.00	190.7	182	1.16	157	113	1929	2469	2530	320	27.0		159.0	39.0		30	300	25%	45.0	190	108	12		27 x 27		3.8	4.9	4.1	2356	-61
14	C#	*		20.00	196.7	190	1.19	160	113	1710	2309	2396	317	27.0			42.0			375	24%	45.0					25 x 25		-	4.7	0.0	2196	-87
15	D	*		20.00	189.1	180	1.15	156	110	1595	2182	2260					39.0			370	25%	45.0					x		-	4.8	0.0	2072	-78
16	D#	*		18.00	189.1	180	1.15	156	111	1513	2052	2139	320	28.0		145.0	35.0		30	333	25%	45.0	190	110	12		25 x 25		4.1	5.4	4.1	1941	-87
17	E	*		20.00	167.3	157	1.12	140	112	1450	1963	2035					35.0			310	29%	45.0					x		-	4.8	0.0	1851	-72
18	F			18.00	155.0	151	1.21	125	110	1420	1853	1866					32.0			175	29%	44.0					x	Merklin	-	4.8	0.0	1743	-13
19	F#	**		19.00	149.3	151	1.30	116	100	1310	1732	1778	320	25.0		115.0	32.0		26	220	22%	33.0	168	100	10		30 x 25		4.1	4.7	3.6	1632	-46
20	G	**		16.00	146.2	146	1.27	115	99	1240	1635	1670					34.0			185	23%	33.0					x		-	4.3	0.0	1536	-35
21	G#	**		15.00	133.7	135	1.30	104	99	1185	1553	1585	318	25.0		105.0	30.0	34.0	26	170	24%	33.0	150	85	8		35 x 22		4.0	4.5	3.5	1454	-32
22	A			15.00	130.2	128	1.23	104	95		1466		320	20.0		104.0	29.0			150	25%	32.0					x	NEUF	3.9	4.5	3.6	1371	1371
23	A#			15.00	127.4	125	1.23	102	80		1368		320	20.0		102.0	27.0			150	26%	32.0					x	NEUF	3.9	4.7	3.8	1288	1288
24	B			15.00	125.1	123	1.23	100	80		1288		320	20.0		100.0	25.0			140	24%	30.0					x	NEUF	3.9	5.0	4.0	1208	1208
25	**C3**			14.00	123.6	120	1.20	100	80		1215		320	20.0		100.0	23.0			140	25%	30.0					x	NEUF	3.9	5.4	4.3	1135	1135
26	C#			14.00	120.8	117	1.19	98	80		1145		320	20.0		98.0	22.0			130	24%	28.0					x	NEUF	3.9	5.5	4.5	1065	1065
27	D			14.00	116.4	112	1.18	95	70		1073		320	20.0		95.0	21.0			130	25%	28.0					x	NEUF	3.8	5.5	4.5	1003	1003
28	D#			14.00	113.0	109	1.18	92	70		1012		320	20.0		92.0	20.0			120	24%	26.0					x	NEUF	3.9	5.6	4.6	942	942
29	E			14.00	110.2	106	1.18	90	70		954		320	20.0		90.0	19.0			120	25%	26.0					x	NEUF	3.8	5.8	4.7	884	884
30	F			14.00	107.4	103	1.17	88	70		900		320	20.0		88.0	18.0			120	25%	26.0					x	NEUF	3.8	6.0	4.9	830	830

MANTES-LA-JOLIE

Soubasse 16'

Jeu de Merklin Tailles identiques 2 par 2

A 3 = 217.5 hz

Alliage	Corps	Pieds
☐ martelé	-	-

Pédale		Marques				Corps									Pied			Bouche				Lév. Sup		Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.	Long tot	Long	Long.	Ø	Ø ext.	Larg.	Haut.		Ep	Long.	Ep.			Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		int.	int.	bloc	accord	calculée	totale		ouv.	bas		dém.	origine	couv.					/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**						25.00	235.8	224	195	140	2364	2424	2503	480	30.0		193.0	48.0	60.0	30	249	29.0	272 x 40		3.8	4.9	4.0	2284	-80	740.9
2	C#							-					-											x		-	-	-	-	-	-
3	D							-					-											x		-	-	-	-	-	-
4	D#						25.00	209.9	200	173	139	1955	2177	2095	478	30.0		173.0	52.0		31	207	31.0	232 x 39		3.8	4.0	3.3	2038	83	659.4
5	E							-					-											x		-	-	-	-	-	-
6	F							-					-											x		-	-	-	-	-	-
7	F#						23.00	182.6	170	154	114	1640	1819	1755	477	25.0		155.0	40.0	50.0	30	192	29.0	212 x 37		3.7	4.6	3.9	1705	65	573.6
8	G							-					-											x		-	-	-	-	-	-
9	G#							-					-											x		-	-	-	-	-	-
10	A						19.00	164.8	158	135	114	1380	1542	1495	478	27.0		135.0	38.0	40.0	31			x		3.8	4.3	3.6	1428	48	517.7
11	A#							-					-											x		-	-	-	-	-	-
12	B							-					-											x		-	-	-	-	-	-
13	**C2**						20.00	144.0	138	118	92	1163	1289	1255	482	25.0		117.0	40.0	33.0	27			x		3.9	3.6	2.9	1197	34	452.4
14	C#							-					-											x		-	-	-	-	-	-
15	D							-					-											x		-	-	-	-	-	-
16	D#						17.00	124.4	118	103	93	960	1095	1052	480	24.0		102.0	38.0	29.0	27			x		3.8	3.3	2.7	1002	42	390.8
17	E							-					-											x		-	-	-	-	-	-
18	F							-					-											x		-	-	-	-	-	-
19	F#						15.00	109.8	104	91	84	825	922	898	480	21.0		90.0	35.0	25.0	26			x		3.8	3.1	2.6	838	13	344.9
20	G							-					-											x		-	-	-	-	-	-
21	G#							-					-											x		-	-	-	-	-	-
22	A						15.00	99.0	95	81	75	711	776	785	480	22.0		82.0	30.0	24.0	26			x		3.8	3.3	2.7	701	-10	311.0
23	A#							-					-											x		-	-	-	-	-	-
24	B							-					-											x		-	-	-	-	-	-
25	**C3**						14.00	91.1	87	75	64	610	646	674	480	17.0		73.0	26.0	20.0	25			x		3.9	3.5	2.8	582	-28	286.3
26	C#							-					-											x		-	-	-	-	-	-
27	D							-					-											x		-	-	-	-	-	-
28	D#						14.00	82.7	79	68	64	525	549	589	480	16.0		70.0	23.0	19.0	25			x		3.7	3.6	3.0	485	-40	259.8
29	E							-					-											x		-	-	-	-	-	-
30	F						13.00	76.6	72	64	64	468	492	533	480	20.0		65.0	21.0	18.0	25			x		3.7	3.6	3.1	428	-40	240.6

MANTES-LA-JOLIE

A 3 = 435.0 hz

Flûte 8'

tuyaux de façade harmoniques

Pédale		Marques				Corps								Pied			Bouche			Dents	Oreilles	Observations	Rapports bouche		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.	Ep				Circ.	Ø	larg.
435.0hz		Pieds	Corps	Pieds	Corps		métal		int.	int.	bloc	accord	totale		ouv.	bas			couv.				/ larg.	/ haut	/ haut.
1	**C1**						21.00	190.7	182	157	113	1929	2530	320	27.0		159.0	39.0	30		x	Fl 16	3.8	4.9	4.1
2	C#						20.00	196.7	190	160	113	1710	2396	317	27.0			42.0			x	Fl 16	-	4.7	0.0
3	D						20.00	189.1	180	156	110	1595	2260					39.0			x	Fl 16	-	4.8	0.0
4	D#						18.00	189.1	180	156	111	1513	2139	320	28.0		145.0	35.0	30		x	Fl 16	4.1	5.4	4.1
5	E						20.00	167.3	157	140	112	1450	2035					35.0			x	Fl 16	-	4.8	0.0
6	F						18.00	155.0	151	125	110	1420	1866					32.0			x	Fl 16	-	4.8	0.0
7	F#						19.00	149.3	151	116	100	1310	1778	320	25.0		115.0	32.0	26		x	Fl 16	4.1	4.7	3.6
8	G						16.00	146.2	146	115	99	1240	1670					34.0			x	Fl 16	-	4.3	0.0
9	G#						15.00	133.7	135	104	99	1185	1585	318	25.0		105.0	30.0	26		x	Fl 16	4.0	4.5	3.5
10	A			Façade		141.8	1.20	139.4				1190	2710	450	11.6		106.0	26.9		32	73 x 16		4.2	5.2	3.9
11	A#			Façade		127.0	1.20	124.6				1140	2577	508	9.8		96.5	24.4		26	66 x 13		4.1	5.1	4.0
12	B			Façade		126.7	1.20	124.3				1060	2553	505	10.6		95.2	23.8		29	66 x 13		4.1	5.2	4.0
13	**C2**			Façade		113.3	1.20	110.9				1010	2410	560	9.5		85.5	22.8		24	x		4.1	4.9	3.8
14	C#			Façade		113.3	1.20	110.9				940	2525	560	9.5		85.2	21.6		25	62 x 14		4.1	5.1	3.9
15	D			Façade		101.0	1.20	98.6				896	2265	615	8.0		73.5	18.2		21	57 x 12		4.3	5.4	4.0
16	D#			Façade		101.0	1.10	98.8				835	2330	612	7.8		75.3	20.8		25	57 x 12		4.2	4.8	3.6
17	E			Façade		99.0	1.10	96.8				785	2155	455	10.0		74.5	19.0		28	60 x 15		4.1	5.1	3.9
18	F			Façade		90.0	1.10	87.8				740	1946	665	7.0		66.5	17.3		24	54 x 13		4.2	5.1	3.8
19	F#			Façade		90.0	1.10	87.8				690	1960	665	8.6		66.0	17.0		22	50 x 12		4.2	5.2	3.9
20	G			Façade		87.5	1.10	85.3				650	2107	510	8.0		64.2	17.3		20	55 x 12		4.2	4.9	3.7
21	G#			Façade		87.5	1.10	85.3				605	2083	510	7.6		64.0	16.1			56 x 13		4.2	5.3	4.0
22	A			Façade harmonique		78.2	1.00	76.2				1365	1816	560	8.2		57.4	20.6		18	53 x 13		4.2	3.7	2.8
23	A#			Façade harmonique		78.3	1.00	76.3				1265	1830	560	8.0		58.1	18.4		18	54 x 12		4.2	4.1	3.2
24	B			Façade harmonique		78.0	1.00	76.0				1180	1902	560	7.4		58.2	18.0		19	52 x 13		4.2	4.2	3.2
25	**C3**			Façade harmonique		71.0	0.90	69.2				1135	1777	610	7.0		50.8	17.7		18	50 x 11		4.3	3.9	2.9
26	C#			Façade harmonique		71.0	0.90	69.2				1052	1640	610	7.6		51.7	18.2		20	51 x 14		4.3	3.8	2.8
27	D			Façade harmonique		70.7	0.90	68.9				975	1777	610	8.1		51.3	18.0		18	50 x 14	1 trou harm.	4.3	3.8	2.9
28	D#			Façade harmonique		64.5	0.85	62.8				935	1487	665	6.5		46.5	16.2		20	47 x 13	2 trous	4.3	3.9	2.9
29	E			Façade harmonique		64.4	0.85	62.7				880	1540	665	8.0		46.0	15.8		20	47 x 12	2 trous	4.3	4.0	2.9
30	F			Façade harmonique		64.5	0.85	62.8				810	1572	665	7.9		46.5	15.0		21	48 x 12	1 trou harm.	4.3	4.2	3.1

MANTES-LA-JOLIE **A 3 = 435.0 hz**

Bourdon 8'

Alliage	Corps	Pieds
☐ martelé	-	-

Pédale		Marques				Corps								Pied			Bouche				Tampon		Dents	Oreilles	Observations	Rapports bouche			Rallonges		
		Manuscrites		Poinçons		Ø Ext.	Ep.	Ø Int.	Prof.	Larg.	Haut.	Long.	Long	Long.	Ø	Ø ext.	Larg.	Haut.		Ep	Ep.	Haut.				Circ.	Ø	larg.	Long.	Long.	Développé
435.0hz		Pieds	Corps	Pieds	Corps		métal		int.	int.	bloc	accord	totale		ouv.	bas		dém.	origine	couv.					Merklin ?	/ larg.	/ haut	/ haut.	calculée	rallonge	rallonge
1	**C1**						19.00	144.0	138	118	93	1162	1255	657	27.0		120.0	35.0	32.0	27	35			x	"	3.8	4.1	3.4	2661	1499	452.4
2	C#							-																x	"	-	-	-	-	-	-
3	D							-																x	"	-	-	-	-	-	-
4	D#						16.00	126.1	120	104	93	960	1055	657	28.0		105.0	35.0	30.0	27	30			x	"	3.8	3.6	3.0	2237	1277	396.0
5	E							-																x	"	-	-	-	-	-	-
6	F							-																x	"	-	-	-	-	-	-
7	F#						15.00	110.8	106	91	72	825	898	657	26.0		93.0	33.0	26.0	25	30			x	"	3.7	3.4	2.8	1884	1059	348.2
8	G							-																x	"	-	-	-	-	-	-
9	G#							-																x	"	-	-	-	-	-	-
10	A						14.00	100.1	96	82	74	708	784	657	23.0		82.0	31.0	22.0	26	30			x	"	3.8	3.2	2.6	1587	879	314.5
11	A#							-																x	"	-	-	-	-	-	-
12	B							-																x	"	-	-	-	-	-	-
13	**C2**						11.00	76.9	75	62	87	582	670	163	13.0		63.0	17.0	16.0	16	35			x	Daublaine ?	3.8	4.5	3.7	1333	751	241.7
14	C#							-																x	"	-	-	-	-	-	-
15	D							-																x	"	-	-	-	-	-	-
16	D#						10.00	69.6	68	56	85	487	572	163	10.0		55.0	15.0		15	32			x	"	4.0	4.6	3.7	1122	635	218.8
17	E							-																x	"	-	-	-	-	-	-
18	F							-																x	"	-	-	-	-	-	-
19	F#						9.00	58.4	57	47	80	420	500	180	14.0		47.0	15.0	14.0	14	32			x	"	3.9	3.9	3.1	944	524	183.5
20	G							-																x	"	-	-	-	-	-	-
21	G#							-																x	"	-	-	-	-	-	-
22	A						7.00	51.7	50	42	78	357	435	163	9.0		40.0	14.0		12	30			x	"	4.1	3.7	2.9	793	436	162.4
23	A#							-																x	"	-	-	-	-	-	-
24	B							-																x	"	-	-	-	-	-	-
25	**C3**						6.00	44.9	44	36	75	315	387	163	5.0		36.0	12.0		9	27			x	"	3.9	3.7	3.0	667	352	141.1
26	C#							-																x	"	-	-	-	-	-	-
27	D							-																x	"	-	-	-	-	-	-
28	D#						6.00	36.8	38	28	67	247	314	165	5.0		28.0	10.0		9				x	"	4.1	3.7	2.8	563	316	115.6
29	E							-																x	"	-	-	-	-	-	-
30	F						6.00	33.7	33	27	64	215	280	165	5.0		27.0	10.0		9				x	"	3.9	3.4	2.7	502	287	105.8

MANTES-LA-JOLIE **A 3 = 217.5 Hz**

Bombarde 16' C1 > F1 pavillon en 2 parties (lg pavillon haut / lg pavillon bas = 1.33)

Alliage	Corps	Pieds
☐ martelé	-	-

Pédale		Marques				Corps							Pointe					Noyau			Anche									Rasette	Lang.	Entaille		Observations	Rallonge	
		Manuscrites		Poinçons		Coef.	Ø Ht	Ø Bas	Ep.	Long.	Long.	Long.	Coef.	Ø Ht	Ø Bas	Ep.	Long.	Ø	haut.	type	long.	sail.	sail.	Ø	Ø	ép.	larg.	haut.	Ø	ép.	larg.	posit.		Long. totale	Long.
435.0hz		Pav. Bas	Corps	Pointe	Corps	pente	ext.	ext.	métal	réson.	recouv.	totale	pente	ext.	ext.	métal							calc.	int.	ext.		ouv.							calculée	rallonge
1	**C1**	Tige C/		C B	C B/	3.77%	188.8	39.3	1.40	3968	121	4594	4.26%	48.0	25.2	1.50	535	55.0	67.0	A	192	148	145	15.8	19.2	1.7	9.2	16.1	3.3	0.66	38.0	181	peau sur anche	4766	172
2	C#					-						-	-						67.0			138	142	15.0	18.4	1.7	8.2	16.0		0.69			"	-	-
3	D					-						-	-						67.0			130	136	14.5	17.5	1.5	8.5	14.9		0.66			"	-	-
4	D#	Tige D#/		D# B	D# B/	4.00%	173.6	42.6	1.30	3271	125	3947	5.05%	52.5	22.0	1.20	604		67.0			140	130	15.0	18.0	1.5	8.0	15.7	3.0	0.66	38.0	179	"	4065	118
5	E					-						-	-					48.3	57.2	A		123	124	13.2	16.2	1.5	8.2	14.2		0.66			"	-	-
6	F					-						-	-						57.2			118	119	13.9	16.9	1.5	7.8	14.8		0.62			"	-	-
7	F#			F# B	F# B/	4.29%	155.0	38.0	1.20	2728	110	3353	4.34%	**45.5**	21.0	1.10	564		57.2			115	114	12.9	15.5	1.3	7.6	13.3		0.62	33.0	151	"	3428	75
8	G					-						-	-						57.2			104	109	12.9	15.5	1.3	7.3	13.4		0.59			"	-	-
9	G#					-						-	-					42.2	51.5	A		104	105	11.6	14.6	1.5	7.2	12.5		0.58			"	-	-
10	A			A B	A B/	4.69%	143.0	36.5	1.00	2273	102	2848	5.05%	44.5	18.0	1.10	525		51.5			97	100	11.8	14.4	1.3	7.0	12.6		0.58	31.0	145	"	2885	37
11	A#					-						-	-						51.5			92	96	11.0	13.8	1.4	7.0	11.8	2.6	0.53			"	-	-
12	B					-						-	-						51.5			86	92	11.0	13.8	1.4				0.55			"	-	-
13	**C2**			C B	C B/	5.04%	131.0	36.0	1.00	1886	85	2399	5.82%	44.0	17.0	1.30	464	39.0	46.0	A	120	87	88	10.3	12.7	1.2	6.6	10.8		0.54	28.0	125		2435	36
14	C#					-						-	-						46.0			80	84	10.3	12.7	1.2				0.53				-	-
15	D					-						-	-						46.0			85	81	10.3	12.7	1.2				0.54				-	-
16	D#			D# B	D# B/	5.61%	121.4	31.4	0.90	1603	88	2018	5.87%	39.0	16.5	1.10	383	36.5	43.0	A		75	77	9.4	11.8	1.2	6.0	10.0		0.53	25.0	114		2050	31
17	E					-						-	-						43.0			72	74	9.4	11.8	1.2				0.51				-	-
18	F					-						-	-						43.0			68	71	9.4	11.8	1.2			2.3	0.49				-	-
19	F#			F# B	F# B/	5.87%	108.2	29.3	0.85	1343	82	1701	6.21%	36.5	16.0	1.10	330	34.0	42.0	A		70	68	8.6	10.8	1.1	5.9	9.0		0.52	24.0	104		1720	19
20	G					-						-	-						42.0			64	65	8.6	10.8	1.1				0.47				-	-
21	G#					-						-	-						42.0			61	62	8.6	10.8	1.1				0.47				-	-
22	A			A B	A B/	6.58%	101.2	26.0	0.80	1143	82	1431	7.25%	33.5	14.0	1.00	269		42.0			58	59	8.6	10.8	1.1				0.46	22.0	98		1439	8
23	A#					-						-	-					32.0	38.5	A		60	57	7.8	9.8	1.0	5.3	8.2		0.45				-	-
24	B					-						-	-						38.5			52	55	7.8	9.8	1.0				0.43				-	-
25	**C3**			C B	C B/	7.36%	95.0	24.3	0.80	960	70	1203	8.47%	32.5	13.7	1.10	222	32.0	39.0	O	77	50	52	7.8	9.8	1.0				0.46	21.0	92		1213	10
26	C#					-						-	-						39.0			50	50	7.8	9.8	1.0				0.42				-	-
27	D					-						-	-						39.0			48	48	6.8	8.8	1.0	5.1	7.4	2.1	0.41				-	-
28	D#			D# B	D# B/	8.58%	91.3	21.0	0.80	819	67	1012	9.32%	29.0	12.5	0.90	177	30.5	37.0			48	46	6.8	8.8	1.0				0.41				1027	16
29	E					-						-	-						37.0			45	44	6.8	8.8	1.0				0.41				-	-
30	F			F B	F B/	8.96%	86.5	21.0	0.80	731	60	903	10.00%	29.0	13.7	1.00	153		37.0		65	42	42	6.8	8.8	1.0				0.38				912	9