Rottenburgh1-O-Leipzig1374-Wg1-WOB-DNM

	А	В	С	D	E	F	G
1	I. Bocal		Original bocal Rottenburgh-Stanley1 no				
	dia reed end		inside diameter of reed end of bocal				
	bocal string length (0, 1)		length of bocal inserted into receiver				
	metal bocal length top (0, 1)		meas. along top of bocal				
5	metal bocal length bot (0, 1)		meas. along bottom of bocal				
	dia wj end		inside diameter of bocal				
7		_					
	bocal logic	2	if bocal logic = 0 => bocal is choke; if bocal logic = 1 =>choke in wing joint ca	lc; if bocal logic = 2 =:	> no bo	cal	
9							
10							
11							
12	II. Wing Joint Lengths		bocal receiver, Rottenburgh-Stanley1; No, a choke				
	choke bore dia.	8.8	logic 1; bore diameter of choke; logic 0; either diameter bocal bottom or begin	ning of hore at hottom	or roco	ivor	
		56	logic 1; length of choke from top of wing joint; logic 0; length of receiver (sam		or rece	ivei	
	wing joint length	513	Rottenburgh-Stanley1 vrfd short, total wing joint length, including tenon and si				
	tenon length	41.5	tenon length	J Cittee			
18	teriori lerigeri	12.0	continuingen				
	wj f2	243	dist top of wing to where tone hole enters bore [not at the center of the tone h	ole]			
	wj e	305	Rottenburgh-Stanley1; finger hole not drilled exactly into center of bore				
	wj d	352	Rottenburgh-Stanley1; finger hole not drilled exactly into center of bore				
22							
23	Bore dia. Bottom of wing joint	15.4	Need to Average, usally oval; Rottenburgh Stanley1, no				
24	Bore dia. top of boot joint small side	18.4					
25	Bore dia. top of boot joint large side	23.9					
26							
	III. Boot Lengths						
	bj logic	1	logic=> if bj logic = 0 => plug removed; if bj logic = 1 => plug cannot be rem				
	bj c	91	dist from top of boot to where topmost tone hole enter bore [not at center of to	one hole]			
	bj b	155					
	bj a	196					
32	bishabal (Mandad San bar) 1 1 2	420	Asset I consider a Charles Control of the Control o				
	bjstotal [Needed for both boot logics]	428	total length of boot, include socket, along the small bore side	<u> </u>			
	bjltotal [Needed for both boot logics] plug small [Need for logic 0 only]	428	total length of boot, include socket, along large bore side	+			
	plug smail [Need for logic 0 only] plug large [Need for logic 0 only]	0	plug thickness, large bore side plug thickness, small bore side				
37	plug large [Need for logic o only]	U	plug trickriess, smail bore side				
	boots [Needed for both boot logics]	396	hook length along s bore => bjs-septum length = boot - septum <= calc the s	entum			
	bootl [Needed for both boot logics]	396	hook length along I bore => bjl-septum length = boot - septum <= calc the se				
40	booti [Needed for both boot logics]	330	nook length diong i bore => bji septum length = book septum <= tale the se	peam			
	boots bottom [Needed for both boot logics]	23	use hook, dist of bore [dist on stick plus 7mm, diff between hook and bot of sti	ckl 8+7=15, verified			
42	bootl bottom [Needed for both boot logics]	23	use hook, dist of bore [same as boots bot except tenon depth will be different]				
43	[Rottenburgh Stanley1, No Two round plug design				
44	extreme bore [Needed for logic 1 only]	54.8	Outside dia of plug [measured] = small bore dia + large bore dia + the septun	n width			
45							
46	septum length exp [Need for logic 0 only]		dist. from very bottom of boot to septum [point between the large and small be	ore]			
47	septum length calc - do not imput value	32	dist. From very bottom of boot to spetum [bjl - bootl]	do not imput value			
48	septum length - do not imput value	32	if bj logic = 0 => septum = septum exp; if bj logic = 1 => septum = septum c	do not imput value			
49							
	sbore dia sep* [Needed for both boot logics]	20.3	septum small bore dia [assume = Ibore dia sep]				
51	lbore dia sep* [Needed for both boot logics]	19.4	septum large bore dia [assume = sbore dia sep] [mesure if cork can be remove	ed; for Logic 0]			
	sep width exp [Need for logic 0 only]	0	septum width; direct measurement if remove plug				
53	sep width calc - do not imput value	15.1	septum width; calc. => extreme bore - sbore - lbore	do not imput value			
54 55	sep width - do not imput value	15.1	if bj logic = 0 => sep width = sep width exp; if bj logic = 1 => sep width = sep	uo not imput value			
	bj g	351	dist from top of boot (socket) to where G hole enters bore [not at cent of tone	hole]			
	bj f1	126	dist from top of boot (socket) to where F1 hole enters bore [not at cent of tone				
58	·-	120	and a cent of tone				
59							
60							
61							
62							
63	IV. Tone Hole Diameters						
64 65	f2	5.6					
65	e	6.1					
66	d	5.6		-			
67							
68 69		6.6					
70		5.8					
71		10.3		 			
72		9.7					
73		2.7		1			
74	e1	11	Rottenburgh Stanley1, 10.7 x 11.2, e1 tone hole dia, on long joint [need to ave	erage NS and EW dias.	NS usu	ally d	reater]
75		12	Rottenburgh Stanley1, low d tone hole devided, dia, on long joint [need to ave	rage]			
76		11.5	c1 tone hole dia, on long joint [need to average NS and EW dias, NS usually gr	eater]			
77							
78							
79							
80							
81							
	V. Tone Hole Depths	27.5	Detterbusch Charles d. Torre below ask 1991 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.				
83	f2	27.5	Rottenburgh Stanley1, Tone holes not drilled at extreme angles				
	e	26.6					
85	u	27.5		-			
86 87	c	25		 		\dashv	
88	h	25.9				-	
88		25.9					
90		24	meas along bot tone hole wall [north wall, toward reed,tone hole usually at any	nle1			
91		24.3	meas along but tone hole wall [north wall, toward reed, tone hole usually at an				
92		۷۳.۵	Rottenburgh-Stanley1, a table along long joint				
93	e1	11	e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest of	list1			
	-		acapan gauge fat center, or shortest t	1			

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						- 1	
	A	B	C	D D	E	F	G
94		11.2	d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest				
95	c1	11.6	c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest	uistj			
96 97							
98							
99							
100				1			
	VI. Long Joint						
	lg length	573	total length of long joint				
	lg_tenon_bot	40.4	length bottom tenon on long joint [tenon going into boot joint]				
	lj_bot_bore	23	long joint bottom tenon bore diameter [tenon going into boot joint]				
	lj_top_bore	31.3	long joint top tenon bore diameter [tenon going into bell]				
	lg_tenon_top	41.8	length top tenon on long joint [tenon going into bell]				
	e1 distance	44	dist long joint tenon to e1 [from bot of tenon to where tone hole enters bore]				
	d1 distance	235	dist long joint tenon to d1 [from bot of tenon to where tone hole enters bore]				
	c1 distance	433	dist long joint tenon to c1 [from bot of tenon to where tone hole enters bore]				
110							
111							
112							
113							
114							
115	VII. Bore diameters at Tone Holes						
116	f2	12					
117	e	12.7					
118	d	13.7					
119				1			
120	C	18.4		1			
121	D	18.5	0 11 1 10 1 10 1 10 1 1 1 1 1 1 1 1 1 1	L			
122	a	18.5	Rottenburgh-Stanley1 Boot down bore almost cylindrical At these three RH fine	erger holes			
123	<u>y</u>	19.6					
124 125	f1	23.3		 			
	01	22.2	at tana hala bara diamatar an lang jaint	+			
126 127	e1	23.3 25.5	e1 tone hole bore diameter on long joint	 			
128		28.5	d1 tone hole bore diameter on long joint c1 tone hole bore diameter on long joint	1			
129	C1	20.3	ex cone note bore diameter on long joint	1			
130							
131							
132							
133							
	VIII. Bell		Rottenburgh-Stanley1, There is a tone hole in the bell 6.6mm, 206 from top of	bell			
	bell logic	2	If bell_logic = 0 => normal conical bore; if bell_logic = 1 => inverted concial b		> bell e	expan	sion
	bell_length (0, 1, 2)	300	total length of bell [lines 141 + 144 = line 136]				
	bell_bot_bore (0, 1, 2)	30.8	dia bore at the bottom of bell [end with socket]				
	bell_top_bore 0, (1, 0, 2)	25.5	dia bore at the top of bell [where low Bb exits]				
	bell_center_bore (only for logic 2)	35	dia bore at max center of expansion				
	bell_wall (only for logic 2)	11	bell wall thickness, Just for David				
141	bell_bot_bore_expansion (only for logic 2)	220	dist of bottom to maxium of expansion [including bell socket length,if bell logic	=0 =>100]			
142	Outside diameter of wood at expansion	56.5	Just for David				
143	bell_tenon (0, 1, 0, 2)	42.3	bell socket length				
144	bell_expansion_length (only for logic 2)	75	distance of maxium expansion to top of bell [where Bb exits]				
	belflg	51	Usually about 10mm more than line 138				
146							
147							
	IX. PITCH						
	pitch	415	input the historical pitch of the bassoon, must input value, best guess				
150	freq_init	380	Initial frequency range variable	+		-	
	Delta frequency Number of frequencies	2	frequency increment parameter	+		-+	
	Frequency adjust	1.05	number of frequencies to scan for min chi sq frequency adjustment parameter	 			
	X. Title	1.03	requeriey aujustinent parameter				
155			Bassoon Calculation: Rottenburgh-C-Stanley1-Deitch-Wg1-WOB-DNM	 			
156			Sasson Saladidin Nottenburgh C Stanley L Delten Wg1-WOD-DNW			-	
157			Notes on long joint bore: Rottenburgh-Stanley1 good shape	1			
158			Notes on boot joint bore: Rottenburgh-Stanley1 good shape				
	XI. Bore Diameter Locations		Notes on wing join boret: Rottenburgh-Stanley1 good shape				
160		18	Number of diameters				
161	Bell Bore	8.8	Initial bore diameter				
	30.8mm dia. at socket	418	dist1; measured from the bottom of the wing joint- 10mm			\Box	1
	30mm rod 70mm from socket	340	dist2; measured from the bottom of the wing joint- 11mm				1
	29mm rod 98mm from socket	298	dist3; measured from the bottom of the wing joint- 12mm				1
165	28mm rod 125mm from socket	220	dist4; measured from the bottom of the wing joint- 13mm				1
166	27mm rod 195mm from socket	130	dist5; measured from the bottom of the wing joint- 14mm				1
	26mm rod 288mm from socket	60	dist6; measured from the bottom of the wing joint- 15mm	Bottom wing jt	15.4		1
168	25.5mm dia. at bell end	0	dist7; measured from the bottom of the wing joint- 16mm	top boot small	18.4		1
169		0	dist8; measured from the bottom of the wing joint- 17mm	top boot large	23.9		1
170		0	dist9; measured from the top of the bootjoint - small bore side- 18mm dist10; measured from the top of the bootjoint - small bore side- 19mm	above dia co-	20.2		2
171 172	330 rod 20mm boot up boro	270 310	dist10; measured from the top of the bootjoint - small bore side- 19mm dist11; measured from the top of the bootjoint - small bore side- 20mm	sbore dia sep	20.3 19.4		2
173	330 rod 20mm boot up bore	275	dist11; measured from the top of the bootjoint - small bore side- 20mm dist12; measured from the top of the bootjoint - large bore side- 21mm	Ibore dia sep	19.4		2
173 174		250	dist12; measured from the top of the bootjoint - large bore side- 21mm dist13; measured from the top of the bootjoint - large bore side- 22mm	+			3
175		220	dist13; measured from the top of the bootjoint - large bore side- 22mm dist14; measured from the top of the bootjoint - large bore side- 23mm	1			3 2
175 176		420		lj_bot_bore	23	-	4
177		363	dist15; measured from the top of the long joint- 24mm dist16; measured from the top of the long joint- 25mm	IJ_DUL_DUI E	23		4
178		315	dist17; measured from the top of the long joint- 25mm;	1			4
179		272	dist18; measured from the top of the long joint- 27mm				4
180		180	dist19; measured from the top of the long joint- 27mm	<u> </u>		\dashv	4
181		105	dist20; measured from the top of the long joint- 29mm			-	4
182		35	dist21; measured from the top of the long joint- 30mm	1			4
183		0	dist22; measured from the top of the long joint- 31mm	 		_	4
		0	dist23; measured from the top of the long joint- 32mm	lj top bore	31.3		4
184							