

The upper pipes of the Gedackt were given new hats after being shortened slightly. In the bass F became D by adding a section into the body, G became E, A became F, Bb became G, B became A, c₀ became Bb, etc. A new pipe to play C seems to have been made of old metal pieced together to form a multisectional body with seams.

Careful observation of the top notes of the Gedackt, especially in the way the Rundlabia are formed indicate that these pipes are not original, although they are extremely well made and match the older pipes perfectly.

The present disposition of the organ is from front to back:

Praestant	8
Gedackt	8
Octave	4
Quint	3
Octave	2

plus two spurious registers from the 19th century which replaced a former mixture and another stop that seems to have had 1 rank in the bass and 2 in the discant. The rackboards for these stops are still preserved and could provide information as to the original composition, though they were drilled out for the 19th century additions.

Of the remaining registers, in the Octave 4' C, D, E, and B seem to be newer pipes. C and D have new bodies on older feet, E and B have tall Spitzlabia rather than the simple parallel line seen on the middle pipes. g", a", b", and c" look somewhat different. ais" is mangled, but may be a newer pipe. e' has a new body on the old foot.

The Quint 3 has C, D, E, F, (not G), A, Bb, B, and c₀ in newer pipes with high spitzlabia. g" is a new pipe.

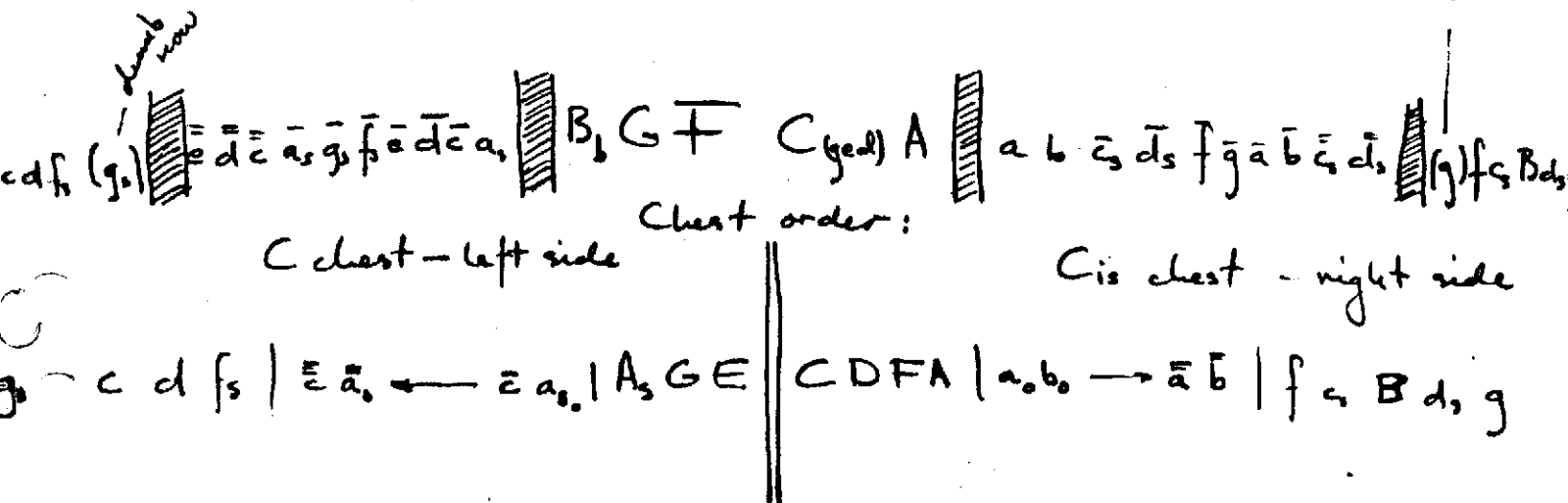
Octave 2' C is marked b.

A loose piece of foil that covered the front pipes was .05 thick.

Two dumb pipes in side outer towers - pipe nearest middle. On chest. f" and fis" have prospect labienform and were foiled, thus were once part of facade.

There are two basically similar C and Cis chests in the organ.

The front pipe order: *from front*



(C) Kneelord Protestant - at present pitch

C = circumference of outside W = mouth width H = cut up h = height of spitz labium
 * = lowered

	8'			4'				2'				1'			
	C	W	H	C	W	H	h	C	W	H	h	C	W	H	h
C		79	26.3	216	59.7	18.1		132	36.5	13.0	97	84	21.7	7.7	5
				218	59.0	17.4		126	34.7	12.0	88	81	21.0	8.0	5
D		64.5	33.5	209	56.7	18.0		121	32.5	11.3	85	77	20.0	7.2	5
				199	54.3	16.5		116	31.3	10.6	81	76	20.5	6.8	5
E		68.5	28.8	199	57.7	16.6		112	30.4	10.2	81	71	18.3	6.8	5
	310	84.5	22.7	191	53.0	17.2		111	29.8	10.0	78	67	16.8	6.6	4
F ₃				192	57.6	14.5 *		104	28.0	8.6	75	69	17.2	6.4	4
	281	75.8	19.0 *	188	50.2	14.4 *		101	27.4	9.2	70	66	16.3	6.3	
G				188	49.0	13.9		98	26.1	8.6	68	62	16.1	5.1	
	253	70.4	21.6	157	41.7	12.2	105	93	25.0	8.2	65	59	15.0	6.0	
A ₃	238	65.1	20.3	146	38.6	12.4	80	91	23.9	8.8	64	57	14.0	5.0	
	225	60.5	18.7	135	37.1	13.0	95	87	23.9	7.6	65	53	12.5	5.6	
												Σ	51	12.0	4.6

C D E - gedackt, circumference not taken

f̄ - E inside on chest f̄, f̄₃ formerly in facade

a₀ originally had tower-type round labium; now spitz labium

The two dumb pipes in facade; formerly q₃ & q₂ : g W. 49.3
 W. 15.7 g₃ : 66.5
 W. 15.2

Knewer

Ge next

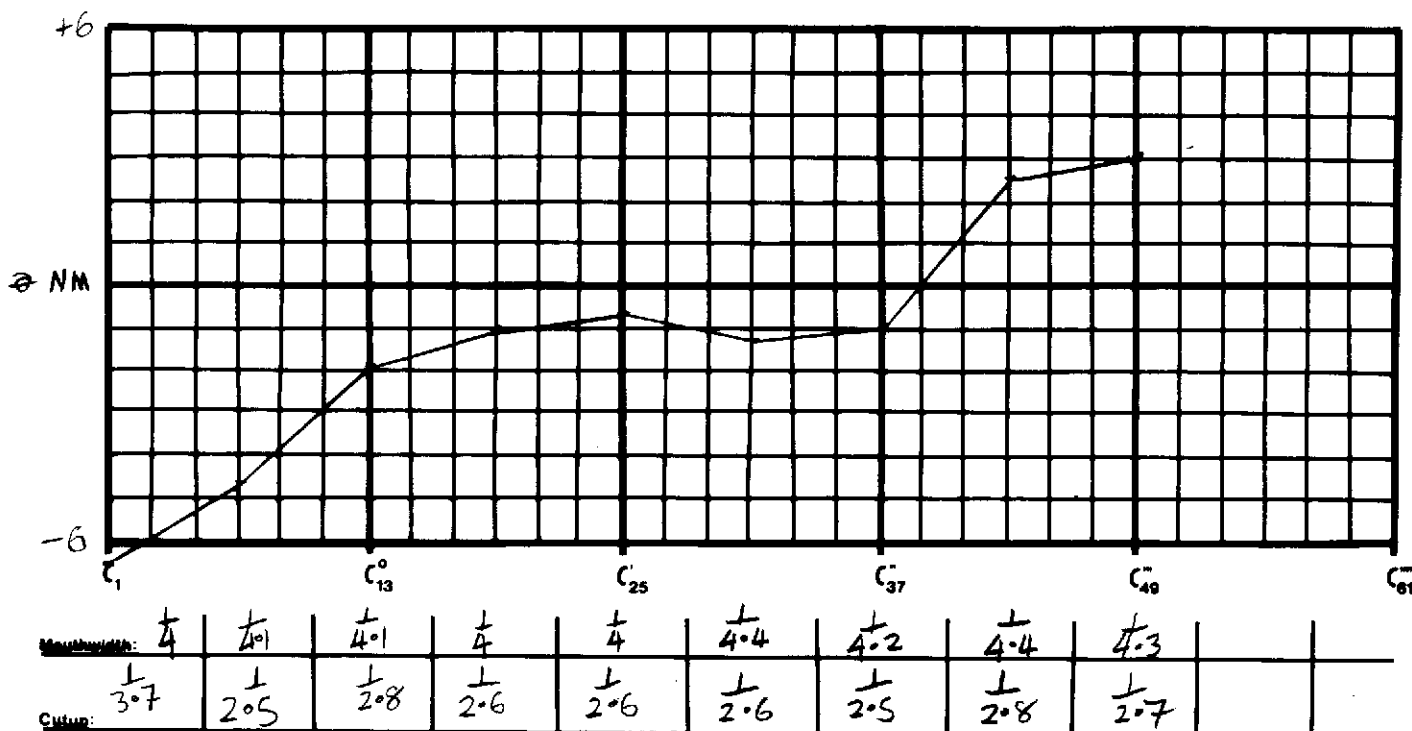
	8'			4'			2'			1'		
	C	W	H	C	W	H	C	W	H	C	W	H
C	370	⁹¹ 71.0	35.0	269	64.3	22.6	168	41.0	15.4	98	23.2	9.4
				256	62.8	23.5	160	38.8	14.9	95	22.7	8.3
D	355	87.1	28.9	248	61.0	22.5	154	35.0	13.9	92	23.6	8.2
				240	60.0	21.8	146	35.8	14.5	?	21.4	8.9
E	336	82.3	29.1	230	56.0	21.0	143	32.2	12.4	87	21.1	8.9
	320	79.0	25.8	220	54.7	18.7	134	32.0	12.5	89	20.7	7.6
F _s				214	52.7	20.4	128	28.6	11.0	88	20.0	7.0 +
	306	74.0	29.4 ①	206	57.0	18.0	123	29.7	11.1	81	18.6	7.4
G _s				196	48.1	17.4	117	27.1	10.3	83	18.2	7.0 +
	296	73.5	26.0	188	46.2	17.5	114	27.8	10.8	79	17.6	6.4 +
A _s	284	69.5	26.0	180	45.8	16.7	108	23.2	9.4	77	17.4	6.1 +
	275	66.2	24.4	175	42.7	16.0	104	24.7	10.4	73	16.9	5.9 +
										E	71	16.2 5.9 +

① too high to sound good

* newer pipes

A. B. Batty

Site: GEDACKT 8' PW: UNKNOWN Date: 1531
 Windrose: 14T To Hk Church: KREWARD
 Description of site & organ: 1 manual RENAISSANCE ORGAN



ACTUAL MEASURE

outside circ	270	306	264	214	168	128	98	88	71	
Diameter at Mouth:	97	84	68	53	40	31	28	22		
Mouthwidth:	91	74	64.3	52.7	41	28.6	23.2	20	16.2	
Cutup:	39	29.4	22.6	20.4	15.4	11	9.4	7	5.9	
Metal Thickness:		1		.7		.6		.7		
Windway:	VERY LARGE									
3.5 x 70°		75° x 2.2		75° x 2.2		1.2		1.1		
Body Length:	1053									
Top Hole:										

Source of Data: John Brombaugh Material: LEAD
 NOTES (ears, beards, slots, tuners, voicing, etc): Round Labium, Normal EARS, Soldered tops

Knewerl

Oct ve 4'

	4'			2'				1'				1/2'		
	C	W	H	C	W	H		C	W	H		C	W	H
C	200	48.3	17.5	130	35.8	13.5	RL	81	21.9	8.2		52	12.7	4.9
				125	34.1	11.0	RL	80	21.4	7.0		50	12.6	4.9
D	185	45.5	15.1 ① S	118	31.7	10.8	RL	79	20.2	6.9		48	11.5	4.3
				115	31.2	8.7	RL	72	18.4	7.4		?	13.1	4.0
E	174	47.3	16.8 ② S	111	29.3	10.2	RL	70	18.9	6.7 ①		43	10.6	3.2
	173	47.0	16.0 ② RL	107	28.8	10.7	RL	67	15.1	5.2 ③		45	12.0	4.0
Fis				101	26.8	8.6	RL	63	16.4	5.0 *		44	10.9	3.7
	159	42.9	13.1 RL	102	26.0	10.0 RL		61.5	15.7	5.3		40	9.9	3.2
Gis				94	25.2	8.7		60	15.4	5.7		37	9.1	3.0
	145			92	24.0	7.3		59	15.4	5.0		37	8.8	3.5
	145	40.0	12.3 RL									34	7.9	3.3
Ais	139	38.6	12.2 S	88	22.2	7.3		55	13.9	4.8		33	8.0	2.9
	134	36.1	11.2 RL	84	22.5	7.5		57	14.6	5.0				
												<u>Σ</u>	31	7.4 2.9

①

②

③

RL

*

Newer pipe body - 18th Century
Pipe in bad condition
Spitz labium

Rund labium - lower lip only!

lowered cut up

③

④

totally different pipe

extra heavy pipe wall

ds was a very good sound!

Kreweel

Quin 3'

	3'				1 1/3'				7'					
	C	W	H		C	W	H		C	W	H	C	W	H
C	159	43.5	15.7	S	100	27.6	9.2	S	61	16.3	6.0	38	10.5	4.0
					96	26.0	6.0	R	60	16.0	5.9	39	9.0	4.3
								*	60	15.5	5.3 R	38	9.9	3.7
D	147	40.0	13.5	S	92	25.4	9.3	*				38	9.2	3.0
					90	24.1	7.9	R	57	14.1	5.1			
E	134	37.2	12.4	S	85	23.0	7.9	R	55	13.8	5.2 R	34	8.8	3.0
	130	35.5	11.9	S	83	22.9	7.5	R	52	14.6	5.1	33	7.9	3.5
F _s					80	21.9	8.0		50	13.0	4.7 R	36	8.9	3.0
	119	31.6	10.6	R	77	20.1	7.2		46	12.0	4.6	31	6.5	2.0
G _s					74	20.0	7.4		44	11.7	4.7	29	8.1	3.1
	111	30.5	9.7	S	74	19.8	6.7		43	12.0	4.1 R	32	6.7	2.8
A _s	109	30.6	8.9	S	68	18.1	7.0 !	R	42	10.6	3.8	?	6.3	2.2
	103	28.9	8.9	S	?	18.1	6.0	R	41	10.3	4.2	?	5.7	2.9
												30	6.2	2.3

* - Covered cutup

S - Spitz labium

Rl - Round Lower labium

① New pipe

b. has 2 mm wide windway!

Kriewer 1 Octave 2'

	2'			1'			$\frac{1}{2}$			$\frac{1}{4}$		
	C	W	H	C	W	H	C	W	H	C	W	H
C	141	37.2	13.7 R	83	20.9	7.0	54	14.5	5.1	31.5	7.2	2.4 (1.)
				79	21.0	6.6 R	51	12.3	4.9	31.	7.0	3.0
D	124	33.0	10.4 S	74	18.7	5.8	48	13.0	4.5	30	7.7	2.9
				72	18.9	5.8	46	12.8	3.8 R	28	6.8	2.8
E	115	30.5	10.1 S	?	18.5	6.4	46	11.9	4.1	?	6.5	3.2
	107	27.7	9.0 R	68	18.5	6.1	43.5	11.8	3.9		7.0	3.1
F				64	16.2	5.4	42.	10.7	3.8		6.5	2.2
	97	26.0	8.7	62	16.0	5.6	32	10.2	3.7		6.8	2.4
G				60	16.1	5.9	39	9.5	3.5		5.9	2.9
	99	25.7	8.1	58	14.4	4.7	39	10.7	3.3		5.3	2.5
A ₃	90	24.0	7.2 (1.)	56	13.7	4.6	37	9.1	3.1		5.7	2.0
	84	21.0	6.6	53	14.5	6.0!	36	9.0	3.2		5.2	2.1
											5.9	1.9

S spitz laticus
 RL round lower lip
 (1.) New body

Kreuerd

Wall Thicknesses (not all measured)

Prasstant

	C	c	z	E
C	1.6	1.2	.6	.9
		1.0	.8	.7
D		1.2	.7	.7
		1.1	.8	.7
E		1.0	.7	.6
	1.6	1.2	.8	.6
F ₃		.8	.6	.8
	1.4	1.1	.7	.6
G ₅		1.2	.9	.8
	1.2	.7	1.0	.5
A ₅	1.2	.8	.8	.5
	1.4	.9	.7	.7
			<u>.5</u>	

4' Octave				Quinte 3'				0
C	c	z	E	C	c	z	E	C
	.65	.5	.5		.8	.6	.5	
		.8	.8!					
	1.0	.6	.7		.6	.5	.5	
			.8!					
	.8	.6	.5		.8	.6	.6	.7
	.7	.6	.5		.6	.6		.7
	.8				.8			.7
	.75	.7	.6		.6	.5		
	.7	.8			.6	.7	.5	.7
	.7		.6					
			<u>.6</u>					
			.7					

Good not measured except C's

C	1.0
c	1.0
z	.7
z	.6
z	.7

Wind Conductors

135 x 60 x 1000
to each chest

135 x 100 x 2300
to bellows

Rack board 125 high.

Most pipes except gedackt only 5-10 higher
in foot

Knewerd

Miscellaneous

Register Time	Languid	Languid thickness	Wall thickness below/above	Length of body
Præstent				
F	55	3.6	1.7/1.8/1.3	1688
C	60	2.8	1.0	1154
C	55	2.2	.8/1.5	562
C	35	1.7	.8/1.6	281.5
C	?	1.3	.6/1.5	129
Oct 4				
F	45	2.1	.65/.8	u.m.
C	60	2.1	.7	
C	70	1.7	.5	
C	70	1.2	.5	
C	60	1.0	.4	
Quint 3				
C	—	2.3	.7	
F	—	2.0	.9/.6	
C	75	1.9	.7/.5	
C	75	1.5	.75/.7	
C	80	1.1	.7/.5	
C	80	1.0	.5	
C	?	.9		
Oct 2				
C		2.0	.7	
C		1.5	.7/.5	
C	70°	2.0	.6	
C		1.1	.5	
C		1.0	— new	
C	60°	.6	.4	
Oct 1				
C	70	3.5	1.0	at mouth 1053
C	75	2.2	1.0	
C	75	2.2	.7	
C	?	1.2	.6	
C	?	1.1	.7	