

BIOS RESEARCH PAPERS 1

c	cc	C	c	C	r	rc	c	C	Cc
cz	cz	Cz	cz	Cz	re	rcr	cr	Cr	Cz
D	ΔΔ	ΔΔ	D	D	g	gg	g	D	Dd
Dz	ΔΔz	Δz	Dz	Dz	ge	rgz	gz	Dz	Ddz
e	ee	e	e	e	ec	ee	e	e	Ee
f	ff	f	f	f	f	ff	f	f	Ff
fe	ffe	fe	fe	fe	fe	rfe	fe	fe	Ffe
g	#g	g	g	g	g	gg	g	g	Gg
gz	#gz	gz	gz	gz	gz	ggz	gz	gz	Ggz
#a	aa	#a	a	a	a	aa	a	a	Aa
B	BB	B	B	B	b	bb	B	B	Bb
*	#	#	*	*	b	bb	f	h	fh

Pipe Markings David C. Wickens

PIPE MARKINGS

This collection of pipe marking scripts begins a series of utility publications which, it is hoped, will be of use to those studying the history of pipe organ technology. As more sample scripts become available from field workers, further collections will be published.

Pipe markings can be useful indicators of the origin and subsequent alteration of pipework. They cannot safely be used as the sole means of identification of the pipemaker. Consistency of pipe marking technique and script within a given firm can be demonstrated convincingly in the 18th century, but the further one proceeds into the 19th century the less distinction there is to be found amongst the different scripts of pipe marking - with factory methods of organ-building giving rise to several hands being involved in the marking out of pipes, culminating in the use of die-stamps. The terminus ad quem has, therefore, been set at approximately 1840 - though this might be revised in later presentations.

The question of who actually did the marking out is not under consideration. As with all general aspects of organ-building history, it is the firm which is of significance. Thus, Snetzler pipe markings were not necessarily made by Snetzler himself - any more than he himself cast the pipe metal or made the keys.

All the scripts presented here are transcriptions. Their authorship is acknowledged (but not the date on which they were transcribed).

The format is varied. In general, a sample of the script is given, covering as many different letters (and numbers) as may have been used, and often with several different variants. In some cases there is an indication of the position of the mark and its size.

Ideally, the following information would prove useful:

position	body front/seam, etc.; foot; how far up (as fraction of pipe length), etc.
method	etched (engraved) or black ink, etc.
when	marking out of plate widths; after pipe was made up (e.g. sediment from pipe washing, etc)
dimensions	top to bottom, in mm., with pipe identified
information	note, stop, department, etc. scale numbers, rescaling marks, etc.

I N D E X

1	Father Smith	Edam; Walton; Temple; Cambridge, St. Mary the Great; Cambridge, Pembroke College.
2		Durham
3		Cambridge, St. Mary the Great (University Church)
4	George England	Gravesend
5-6	Snetzler	Ludlow
7		Rotherham
8	? Haxby	Newby Hall
9	Green	Walsall; Appleford; Leigh; St. Katherine-by-the-Tower.
10		Aberdeen; Bangor; Canterbury; Herefordshire.
11		Edith Weston; Tonbridge; Attingham; Heaton Hall.
12		Tamworth; Old Heathfield; Durrow (ex Dublin); Tusmore House (now Hanbury Hall).
13-16	Green, on Anon. and ? Christian Smith	Tamworth
17	Anon. old pipes used by Green	Durrow (ex Dublin)
18	G.P. England	chamber organs
19-21	Ohrmann & Nutt	Macclesfield (see)
22	Elliot	Lancing
23-25	Elliot	Farnham, Yorks.
26	Elliot & Hill	Christ's Hospital
27		Oldham
28	Flight & Robson	Christ's Hospital
29	Renn	Bollington
30-31	Renn (also Young)	Disley

12-

Front Cover:

by Stephen Bicknell

Pipe markings assembled for the BIOS Conference, May 1984

1	Tewkesbury	poss. Dallam c.1630
2	St. Pol de Leon and Ploujean	R. & T. Dallam 1658-1660 T. Dallam c.1680
3	Stockton	Harris 1676
4	Worle	?
5	St. Botolph, Aldgate	poss. Byfield
6	Nettlecombe	Loosemore 1665
7	Temple Church	Father Smith 1683-1684
8	Tamworth	poss. Christian Smith
9	Cawston	?
10	Peterhouse, Cambridge	Snetzler 1765

Locations:

Aberdeen, St. Mary's Episcopal	10
Appleford, St. Peter & St. Paul	9
Attingham Park	11
Bangor Cathedral	10
Bollington, St. John the Baptist	29
Cambridge, Pembroke College	1
Cambridge, St. Mary the Great (University Church)	1, 3
Canterbury Cathedral	10
Christ's Hospital	26, 28
Disley, St. Mary the Virgin	30-31
Dublin, Trinity College	12
Durham Cathedral	2
Durrow, Ireland (ex Dublin, Trinity College)	12
Edam	1
Edith Weston, St. Mary the Virgin	11
Farnham, Yorks.	23-25
Gravesend, St. George	4
Hanbury Hall	12
Heaton Hall	11
Herefordshire (chamber organ)	10
Lamarsh	18
Lancing College (chamber organ)	22
Leigh, St. Mary	9
London, St. Katherine-by-the-Tower	9
London, Temple Church	1
Ludlow Parish Church	5-6
Macclesfield, St. Alban (ex St. Michael)	19-21
Manchester, Heaton Hall	11
Mander, N.P. (G.P. England chamber organ)	18
Newby Hall, Yorks.	8
Oldham Parish Church	27
Old Heathfield	12
Pelham Galleries, Kensington	18
Rotherham Parish Church	7
Tamworth, St. Editha	12-16
Tonbridge, St. Peter & St. Paul	11
Tusmore House (now at Hanbury Hall)	12
Walsall, St. Matthew	9
Walton-on-Thames, St. Mary	1

Organ Builders:

Elliot	22-27
Elliot & Hill	26-27
England, George	4
England, G.P. (George Pike)	18
Flight & Robson	28
Green	9-16
Haxby (?)	8
Hill	see Elliot & Hill
Ohrmann & Nutt	19-21
Renn	29-31
Robson	see Flight & Robson
Smith, (Father) Bernard	1-3
Smith, Christian (?)	13-16
Snetzler	5-7
Young, Alex.	30-31

Edam 1663 Oct 4	Walton 1673 Prospect	Temple Church 1683-4 Oct. 15th	University Church Cambridge 1697-8 Oct. 15th	Pembroke College Cambridge 1707-8	Note	Edam 1663 Oct 4	Walton 1673 Prospect
E	E	E	E	E	E	A	A
F	F	F	F	F	F	A	A
A	A	A	A	A	A	T	T
C	C	C	C	C	C		
C#	C#	C#	C#	C#	C#		
D	D	D	D	D	D		
D#	D#	D#	D#	D#	D#		
E	E	E	E	E	E		
F	F	F	F	F	F		
F#	F#	F#	F#	F#	F#		
G	G	G	G	G	G		
G#	G#	G#	G#	G#	G#		
A	A	A	A	A	A		
Bb	Bb	Bb	Bb	Bb	Bb		
B	B	B	B	B	B		

transcriptions

transcriptions (reduced)

Note	Temple Church London Smith, 1683-4	Pembroke College Cambridge Charles Quares, 1708	St. George Southall ?
c	E	E	E
c#	F	F	F
d	G	G	G
d#	A	A	A
e	B	B	B
f	C	C	C
f#	C#	C#	C#
g	D	D	D
g#	D#	D#	D#
a	E	E	E
b	F	F	F
b	G	G	G

from "The Harris Byfield Connection ..."
Nicholas Plumley, BIOS Journal 3, p.119.

from "Bernard Smith (c.1629-1708)
Organist and Organbuilder,
his origins"
John Rountree,
BIOS Journal 2, p.20

FATHER SMITH

Durham Cathedral
(now Castle Chapel)
Father Smith 1684-5 1685/6

c		
ct		
d		
dt		
e		
g		
ct		
a		
at		
b		

taken from the
middle octave (1st column)
and tenor octave
(2nd column) of the
original Choir Fifteenth
(now Great Octave, and
transposed)

markings on the left side
of the feet

sample traced from transcriptions
of Richard Hind 1990

Open Diapason

Pipe	Foot	Body	Fluting		Pipe	Foot	Body	Fluting	
			Lower note	Upper note				Lower note	Upper note
a'	e	e	k	g	g'	l	e	e	f
a#'	f	f	g	gn	g#'	l	e	f	fi
b'	fe	rk	gn	a	e'	e	f	g	g
c'	g	g	a	o	a#'	f	g	g	a
c#'	gn	gn	b	t	b'	l	g	g	a
d'	a	a	t	-	c'	g	a	b	b
d#'	b	b	r	e	c#'	gn	a	b	t
e'	t	t	l	e	d'	a	e	t	r
f'	r	r	l	e	d#'	b	b	r	e
fb'	e	e	l	e					

Principal (6t)

Pipe	Foot	Body	Pipe	Foot	Body	Pipe	Foot	Body	Pipe	Foot	Body
a'	k	ke	g'	F	F	g'	l	l	fb'	f	f
a#'	g	g	g#'	F	F	g#'	g	g	g'	l	l
b'	gn	gn	a'	g	g	a'	gn	gn	g'	l	l
c'	A	A	a#'	g	g	a#'	a	a	g#'	g	-
c#'	B	B	b'	A	A	b'	g	g	a'	g	g
d'	H	H	c'	B	B	c'	t	t	a#'	a	a
d#'	t	t	c#'	r	r	c#'	l	l	b'	a	a
e'	e	e	d'	e	e	d'	l	l	c'	t	t
f'	t	t	d#'	g	g	d#'	g	g	c#'	r	r
fb'	E	E	e'	e	e	e'	g	g			
			fb'	f	f	fb'	e	e			

from "Organo Pneumatico ...": Nicholas Thistlethwaite in BIOS Journal 2, pp. 48 & 49

George England
Gravesend 1764
dcw 10.88

	foot	body	(ink) flattening		
A	A	A	^{0.D} a	A	Cornet marks: ink above flattening C ^{or} C ^{or} C ^{or} C ^{or}
B	B	B	^{0.D} B	B	
C	C	C	^{0.D} C	C	
D	D	D	^{0.D} D	D	T ^{lute}
D#	D#	D#	^{0.D} D#	D#	
E	E	E	^{0.D} E	E	T ^{lute}
F	F	F	^{0.D} F	F	Choir Flute markings: etched beneath note mark, approx. $\frac{4}{5}$ ths up, centre
F#	F#	F#	^{0.D} F#	F#	
G	G	G	^{0.D} G	G	

Gt. Open Diapason

body: etched, top centre
foot: etched, centre
flattening: ink above flattening

Gt. Cornet

body and foot
similar script

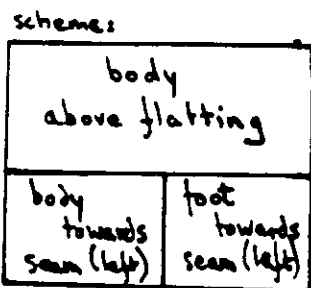
body: etched, approx.
 $\frac{4}{5}$ ths up, centre

4C R 4C
 C 3 D
 12th 12th 12th
 yr yr yr
 yr yr G G A A B B

↓ approx. 50 mm.

E F 4 L G
 12th 12th 12th 12th
 yr yr yr yr
 x ◻ C yr RL
 H H C C E E d d

Ludlow
 Snetzler 1764
 dcw 7.81



Gt. Twelfth, C to G (23' up)

hieroglyphics not Snetzler's; initials possibly Snetzler's.

G	A	B	H
12 th	12 th	12	12 th
2yr	2yr	2yr	2yr
EC	FC	EC	EC

d d e e f f h h

- e d d e f
 2 2 h h a a b b h h c c

h g h a h
 e d d d d e e h h

Gt. Twelfth, G# to B
 and c' to b' (2¹/₃ up)

Ludlow
 Snetzler 1764
 dec 7.81

Snetzer

Rotherham 1777

dew 1.80/8.81

A: a

AB: b

B: 4

C: c

C#: c₃

D: d

D#: d₃

E: e

F: f

F#: f₃

G: g

G#: g₃

position: 15
¹/₄ way up resonator front

ee

typical stop marks 15 15 15
15 15 15

DD

note also marked on foot

pipe numbering on feet, close to seam
(see Wickens 'The Instruments of Samuel Green' p. 67)

ee

ff

Some upper case markings:
Gt. Twelfth (C-F#)

Gt. Fifteenth (1C-B)

open viapason
from 2ft C to 1ft G

transcriptions

Newby Hall
anon. (possibly
Harby, c.1772)

foot	body pipe top	foot	body (front, top)
C	(pipe cut) O	G	(pipe cut) g O
C#	C# O	G#	G# O
D#	D# O	a	a O
D#	D# O	B	B O
E	E O	F	F O
F	F O	F#	F# O

GREEN

deu

	Walsall 1773	Appleford 1777	Leigh 1777	St. Katherine-by-the-Tower 1778
a	A a	a	a a	a
æ	B ^u b	b	B b	b b
ɛ	B ^h b	b	b b h	b
c	C c	c	C c	c c
ç	C [#]	c [#]	C [#]	
u	D	d	D d	d
du	D [#] d [#]	d [#]	D [#]	
e	E e	e		e
f	F f	f	F f	
f [#]	F [#]	f [#]	F [#]	f [#] f [#]
g	G g	g	G g g	
g [#]	G [#]	g [#]		g [#]
ch	ch	ojo	qo	qo
15	15		ch	ch
12	12	ojo	p	s
		pr	p ^r	p
			15	

	Aberdeen 1778	Bangor 1779	Canterbury 1784	Hampshire 1787
A	a a	a	a	
B	B B b	B b	B b	
C	h h	h h	h	h
D	e	e	e	h c
E	D d		d	d
F		d		
G	L e	e	e	
H	J f	F f	f	f
I		f		
K		g	g	g
L		g		
M				
N				
O				
P				
Q				
R				
S				
T				
U				
V				
W				
X				
Y				
Z				
	oh p 15	lo ch s p 15	el. cp p	ch m 15 5

	Edith Weston 1787	Tonbridge 1788	Attingham 1788	Heaton Hall 1790
A	1 a	a	u u	a a
B	13 b		b b	13 ^b b b
B	4 b	b	b b	b b
C	c c	c	c c c	
C*	b* c*	c*	b* c* c*	b* c*
D	D d	D	D d	d d d
D*	D* d*		D*	
E	e e	e	e e e	e e e
F	f f		f f	f f
F*	f* f*		f*	
G	g g	g	g g	g g
G*	g* g*		g*	
	p Des Des	p 15 Des Des S	op p 15 2 2	op p S Des

N.B. S and 2
signify Swell.
2 is a scale number

	Tamworth 1792	Old Heathfield 1795	Dublin 1797	Tusmore House n.d.
A	a	A a	a	a
A#	b	b		b
B	h	h	B# h	h
C	c		c c c	c c
C#	ch	C#		
D			D cl	D
D#	cl#	cl#	d#	
E	e	e	e	e
F		f		
F#	F#	F#	f#	f
G	G g	g	G g	
G#	g#			g#
	p s	15 15 15	op pr 12 15 Des	p 15

scheme:

Tenworth
Swall Principal

foot (RH seen)

foot (front, mid)

body (front, mid)

D

h

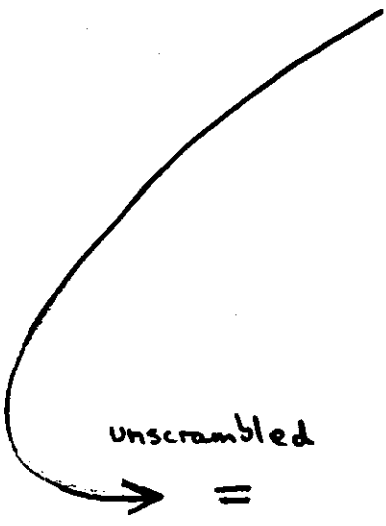
P

S

F#

Pr

Su



P

S

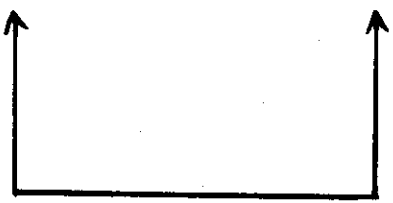
F#

h

Pr

Su

h



original

William Smith

1713-14 ?

1667 ?

Green

1792

Holt

1927

subsequent pages show the body mark unscrambled

Y
2R

L

G

P
S
g

y#
Pr
Sw

R

h

C

P
S
F#

C
Pr
Sw

T

L

P
S
e
H

e#
Pr
Sw

K

L

L

P
S
g#

a
Pr
Sw

y

h

P
S
a

a#
Pr
Sw

4

y

l

p
s

B
Pr
Sw

g

z

z

p
s
h

B
Pr
Sw

h

a

a

p
s
c

C#
Pr
Sw

#1

l

l

p
s
C#

B
Pr
Sw

l

l

l

p
s

B#
Pr
Sw

7

C

P

P

S

P_r

d#

Sw

4

~

7

P

Y

S

P_r

e

Sw

1 foreign
G 1

e

r

P

P

S

#

g

P_r

Sw

2

≡

P

a

S

P_r

g#

Sw

Pipe markings

Great Trumpet

Dutrow

anon. Trumpet
(S. Green organ)

dcw 9.79.

c#'



d'

D

e'

e

f'

f

f#'

R

g'

g

g#'

g#

a'

a

b'

b

c₂

c

Pelham Gallery
chamber organ c.1790

Lamarsh
chamber organ 1803

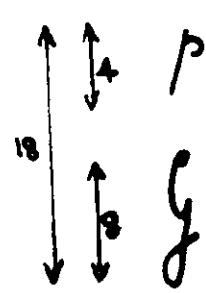
M.P. Mander's
chamber organ 1806

	foot	body
A	a	a
B	β	β
B	#	□
C	(l
C#		d#
E	e	e
F		f
G		g

foot	body
a	a
β	β
γ	γ
δ	δ
ε	ε
ζ	ζ
η	η
θ	θ
ι	ι
κ	κ
λ	λ
μ	μ
ν	ν
ξ	ξ
ο	ο
π	π
ρ	ρ
σ	σ
τ	τ
υ	υ
φ	φ
χ	χ
ψ	ψ
ω	ω

body	
a	
β	
γ	
δ	δ*
ε	
ζ	
η	
θ	
ι	
κ	
λ	
μ	
ν	
ξ	
ο	
π	
ρ	
σ	
τ	
υ	
φ	
χ	
ψ	
ω	

measurements
in mm. at $\frac{2}{3}G$

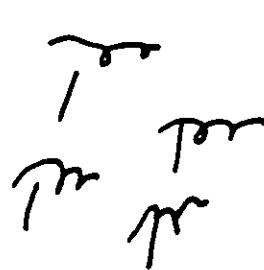


Principal
d#1 to c2
body:
approx $\frac{4}{5}$ up
centre.
foot:
untidy versions
of body script

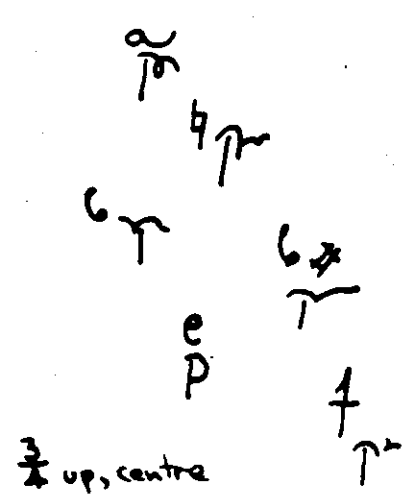
(E) ee εε

(F#) ff # #

measurement
in mm. at
1' C#



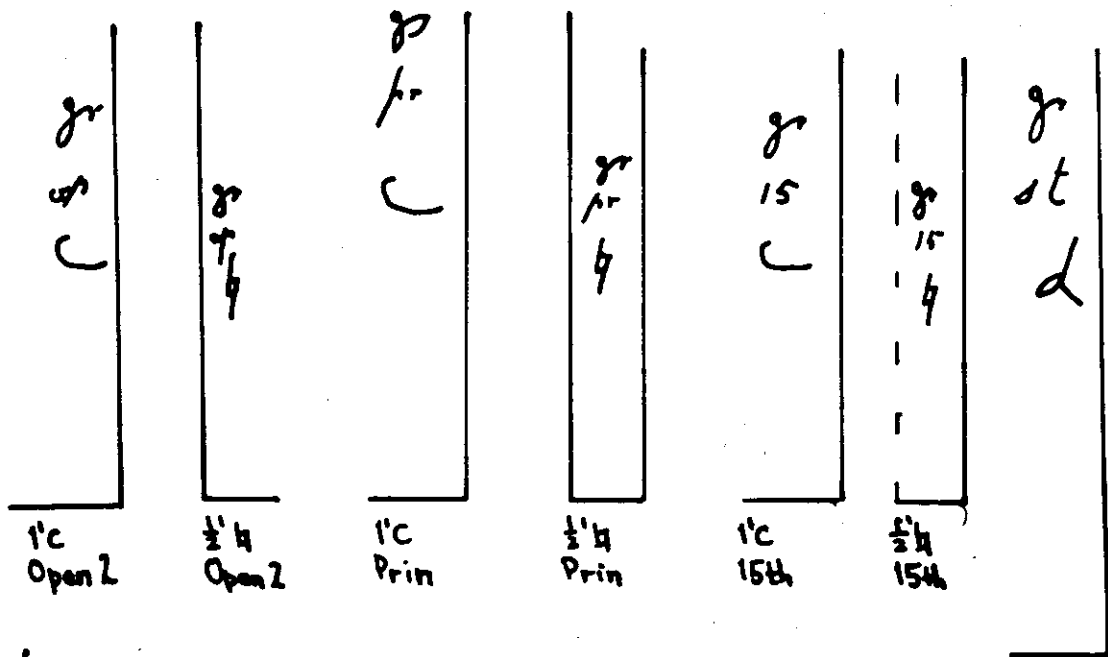
Principal



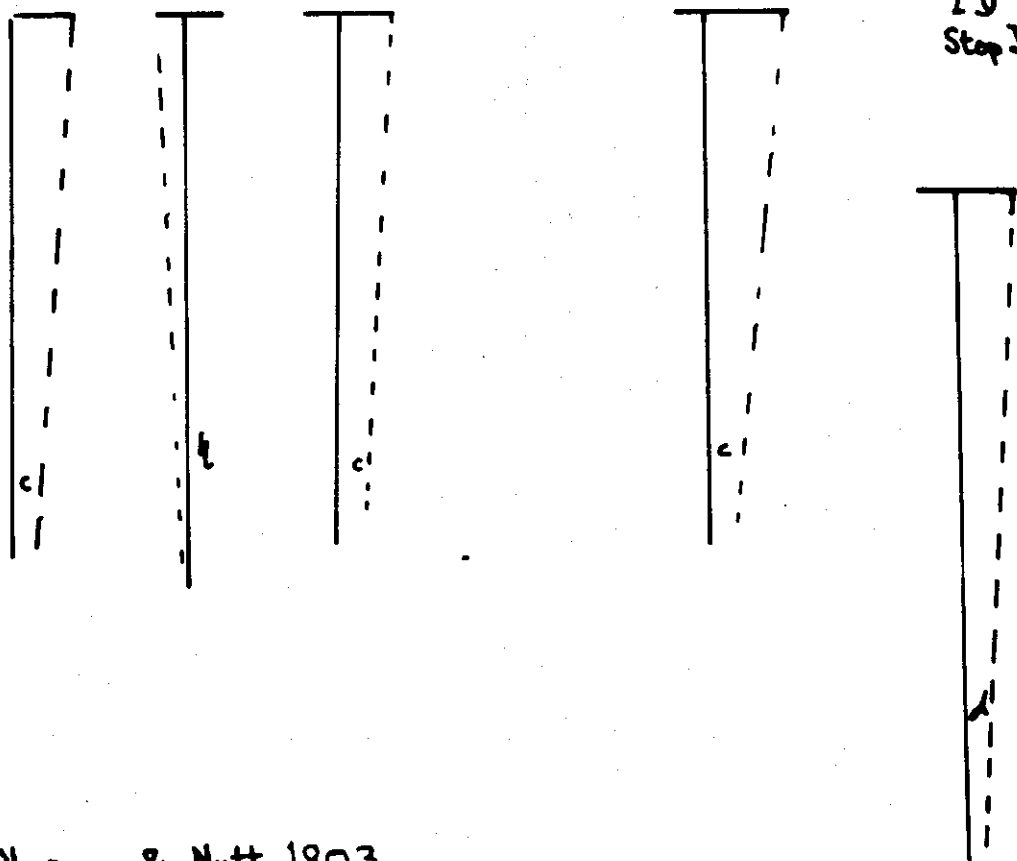
Principal

G.P. England
chamber organs
dcw 1886/1887

body front



foot



Ohrmann & Nutt 1803
 Maclesfield, St. Alban
 pipe marking scheme (reduced size)
 Great Op 2, St, Pr, 15

dcw 10.79.

Open 1 (front Open) 1/2 to 1/4

dec 10.79

gr gr gr gr gr gr gr gr gr gr gr
 op op op op op op op op op op op
 c d d d d d d d d d d

c s d w p c t h k ~ a b

Principled 1/2 to 3/4

gr gr gr gr gr gr gr gr gr gr gr
 pr pr pr pr pr pr pr pr pr pr pr
 c d d d d d d d d d d

post: c s d p h t k l m a b

Handwritten text at the top left edge, partially cut off.

Handwritten cursive characters, possibly a sequence of letters or symbols.

Handwritten cursive characters, possibly a sequence of letters or symbols.

Fitzgerald 11/10/11

Handwritten notes with columns of characters and numbers (51, 15) and a 'body:' label.

Handwritten notes with columns of characters and numbers (51, 15) and a 'body:' label.

Ohrmann & Nutt 1803
Macclesfield
Dec 10/79

ELLIOT
chamber organ 1818
Lancing College
N.M. Plumley

a
b
c
d
e
f f
g
h
i
j

a
b
c
d
e
f
g
h
i

Open Diapason
scale no. 7

Principal
scale no. 7

ELLIOT
chamber organ 1820
Farnham, Yorks.
dec 9.80

2
or
6

C
7
3

body, front
 $\frac{3}{5}$ up (2'C)
etched

scale no. 2
Open Diapason
C

body, front
 $\frac{1}{2}$ + up (1'C)
etched

C
Principal
scale no. 3

foot: note mark only

12
6
7

15
6
5

C
dul
9

Twelfth
C
scale no. 5

Fifteenth
C
scale no. 5

C
Dulciana
scale no. 9

ELLIOT
 chamber organ 1820
 Farnham, Yorks
 dcw 9-80

Op 2c to 1c
 P. 1c to 1/2c
 12 c to c' (key) note marked, not sounding note
 15 1c to 1/2c
 D1 2c to 1c

A		a	a	a	a
A#		B	B	B	B
B		b	b	b	b
C(2)		C#	c	c	c
D(2)		d	D	D	d
E		e	e	e	e
F(2)		F	F	F	F#
G		g	g	g	g

Stop Diap.

2'C - 1'C
top front plank ink

Elliot 1820
Farnham, Yorks.
Wooden pipes
dwt 9.80

c

c#

d

d#

e

f

f#

g

g#

a

b

4

ELLIOT & HILL
 Christ's Hospital 1829
 N.A. Mumley: "Christ's Hospital
 Papers 1: Organs and
 Music Masters"

a	a	a	a	a
B	B	B	B	B
F	F	F	F	
C	C	C	C	C
D	D	D	D	D
E	E	E	E	E
F	F	F	F	F
G	G	G	G	G

Op 2 Or 12 Dul Or Or

Gt
Op 1-2

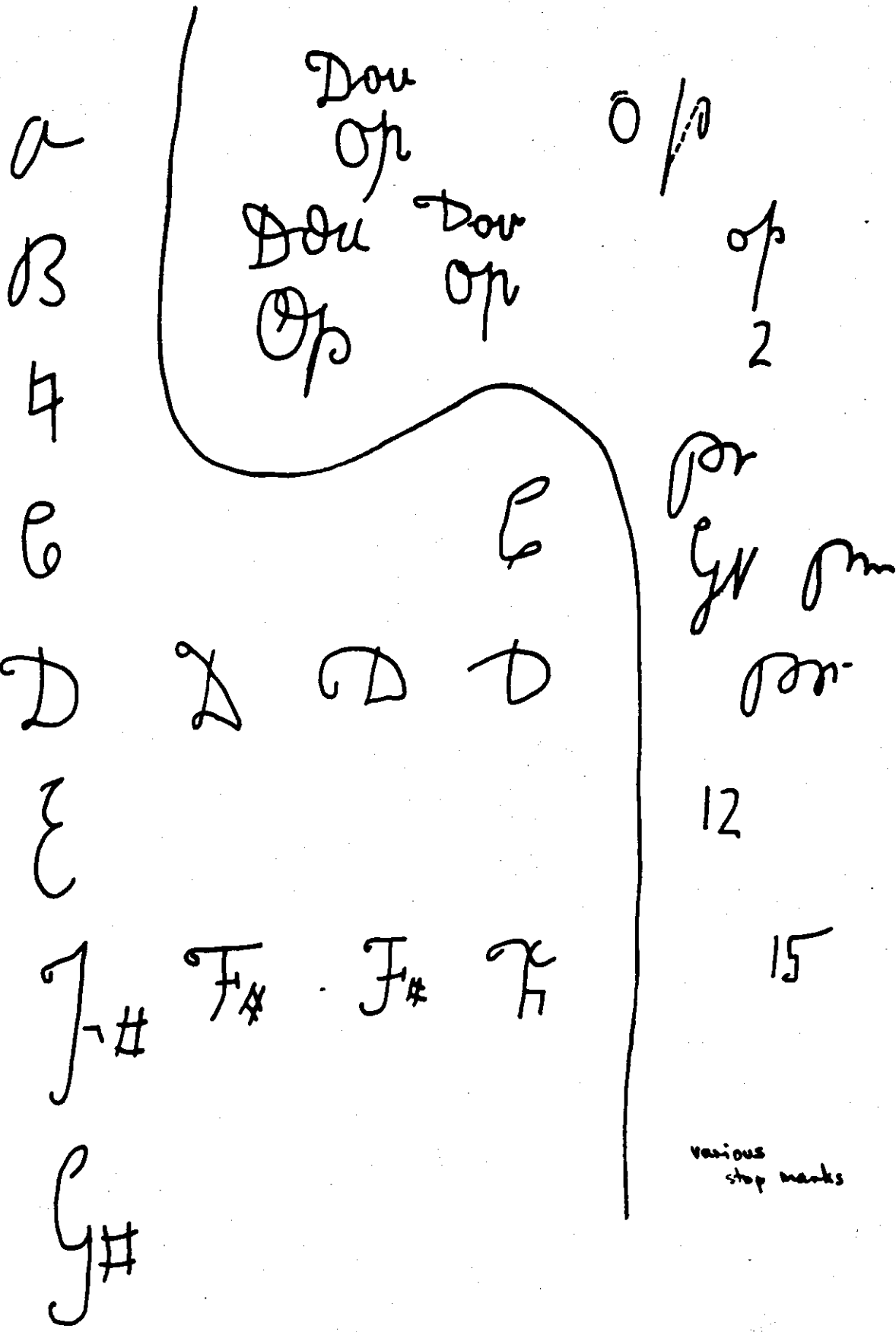
Gt
Pr

Gt
12

Ch
Dul

Ch
Pr

A
 B
 C
 D
 E
 F
 G



Great
 Double Open
 Diapason

Great
 Open Diap.
 1

Great
 Open Diap.
 2

Great
 Principal

various
 stop marks

FLIGHT & ROBSON
chamber organ c.1835
Christ's Hospital
N.M. Plumley "Christ Hospital
Papers 1: Organs and
Music Masters"

Dulciana: c d e f g a B

Fifteenth: c d e f g a b

Open Diapason: C D E F G A B

Principal: c d e f g a B

usual Roman markings generally,
but Ct Op has:

[from att^o up]

Bollington, St. John Baptist
Renn 1836

A a

B 13

C

D

E

F#

G#

E
Op
3/1

C
Op
3/1

3/1 = scaling mark;
similar marks are to be
found at St. George's, Hyde, (1838),
Bollington (1839), etc.

dcw
11.80

Pipe markings: Disley

Renn 1836

metal
pipe top location

A

B

C

D

E

F

G

Alex. Young 1882

metal
mid pipe location

A

B

C

D

E

F

F

G

H

H

I

dew
1977

Pipe markings: Disley

Renn 1836

writing on wood pipes

pipe top location

Alex. Young 1882

writing on paper stickers on wood pipes

mid pipe location

a

b

c

d

e

f

g

A

B

C

D

E

F

G