

Std. Diap Bass (CC-e⁰)

Std. Diapason Treble (f⁰ - f³)

56 pipes. Pine, English blocks (pine with walnut faces), screwed-on walnut caps; CC-f⁰ brick dust milk paint, no finish on the remainder; CC-BB round stopper handles, remaining pyramidal. Inked note names, hand calligraphed. Largely open toes with a few wedges to reduce wind. Interior of pipe tops coated with powdered graphite to facilitate easy movement of the stoppers. Formation of upper lip leaves a sharp edge at the cut-up.

Note	Block height	Width	Depth	Cut-up	Nicks	Reveal	Toe
CC	78.0	88.4	115.0	23.4	19	3.4	16.0
c ⁰	52.5	50.4	67.3	13.1	13	3.0	12.0
c ¹	63.3	29.8	27.4	6.0	10	3.5	8.7
c ²	64.0	18.0	22.0	4.2	7	3.8	7.7 (w)
c ³	64.0	13.6	17.3	3.0	6	2.6	5.2
f ³	63.7	12.1	13.6	2.8	5	2.8	5.2 (w)

Block height: measured from bottom of block to top of block

Width: interior pipe width

Depth: interior pipe depth

Cut-up: measured from top of block to bottom of cut-up

Nicks: diagonal, filed nicking

Reveal: English blocks require the cap to be attached below the top of the block for proper pipe speech. Reveal is the amount of exposed block face between the top of the cap and the top of the block. A slight inward-facing angle is filed on this exposed face.

Toe: interior diameter of the toe hole

(w): wind-constrictor wedge in the foot

Cap screws: (4) CC-BB; (2) c⁰ - gis¹; (1) a¹ - f³

Open Diapason

39 pipes, from f⁰. Common metal (approx. 28% tin), dubbed mouth flattening (upper and lower lips), ears CC-b⁴; originally cone tuned, now trimmed and fitted with tuning slides. Upper lip skived. Languid angle approximately 60°. Pipes labeled in script "Op".

Note	Diam.	Mouth width	Cut-up	Nicks	Languid	Toe	Foot
f ⁰	59.0	45.1	10.0	26	3.1	5.3	195
c ¹	44.0	30.9	8.5	19	2.7	4.2	180
c ²	25.8	18.1	4.9	14	2.6	3.8	156
c ³	15.9	11.5	3.2	11	1.5	2.8	157
f ³	11.8	9.4	3.1	9	1.3	2.4	159

Principal

56 pipes. Common metal, dubbed upper and lower lip mouth flattening, skived cut-ups. Languid approx. 60°. Pipes scribed "Pr" and note name. c¹ inscribed "Backus". Originally cone tuned, now trimmed and fitted with new slide tuners. CC-CC[#] mitred 90° with new sections, now tuned with expressions. CC-b⁰ ears. Cut-up on c⁰ raised, but long ago.

Note	Diam.	Mouth width	Cut-up	Nicks	Languid	Toe	Foot
CC	70.0	50.1	12.7	28	3.4	5.5	215
c ⁰	39.9	27.4	(7.6)	21	2.7	3.9	180
c ¹	22.5	16.4	4.6	17	2.0	3.2	158
c ²	14.4	10.2	3.2	10	1.8	2.6	157
c ³	9.2	6.7	2.3	5	1.4	2.1	157
f ³	7.8	5.8	2.0	6	1.1	2.2	159

Diameter: measured across the interior

Mouth width: inside measurement, side to side

Cut-up: measured from top of lower lip to bottom of cut-up

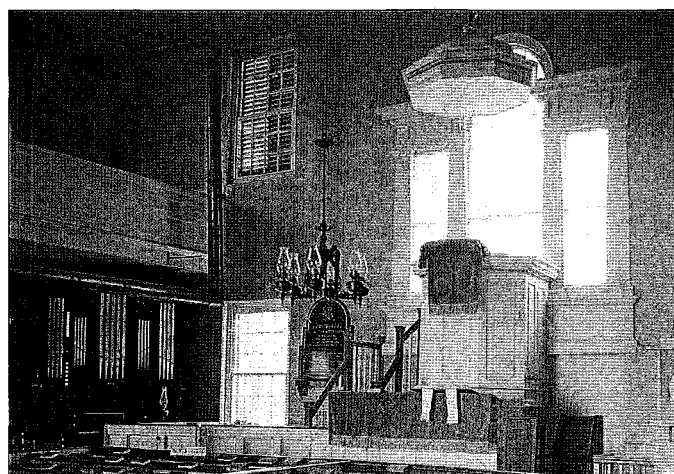
Nicks: vertical nicks formed by single sided nicking tool;
on languid only

Languid: approximate thickness

Toe: interior diameter

Foot: length from bottom of toe to body solder seam

All measurements in millimeters.



Right: Christ Church, Episcopal, State Route 20 and Church Road, Duaneburg, Schenectady County, New York ca. 1936.