

SECTION 4

Wood and metal pipes



P&S ORGAN SUPPLY COMPANY LTD

WOOD PIPES

P&S have a continuous production of Wood Pipes to clients' specific requirements - including voicing if required - from 2ft Principal stops for Continuo and House organs to 32ft stops for large instruments. Selected fine grained timber is chosen for wood pipes including Oak, Pine, Poplar, Obeche, Cedar and Mahogany.

Wood resonator reed stops are also undertaken - voiced or unvoiced.

P&S can also advise on scaling, timber, shallot design, wind pressure and tongues necessary to achieve a specific result, according to instrument, size of room and prevailing acoustic.

Pipes can be supplied either Unfinished, Prevoiced or Fully voiced.

UNFINISHED PIPES

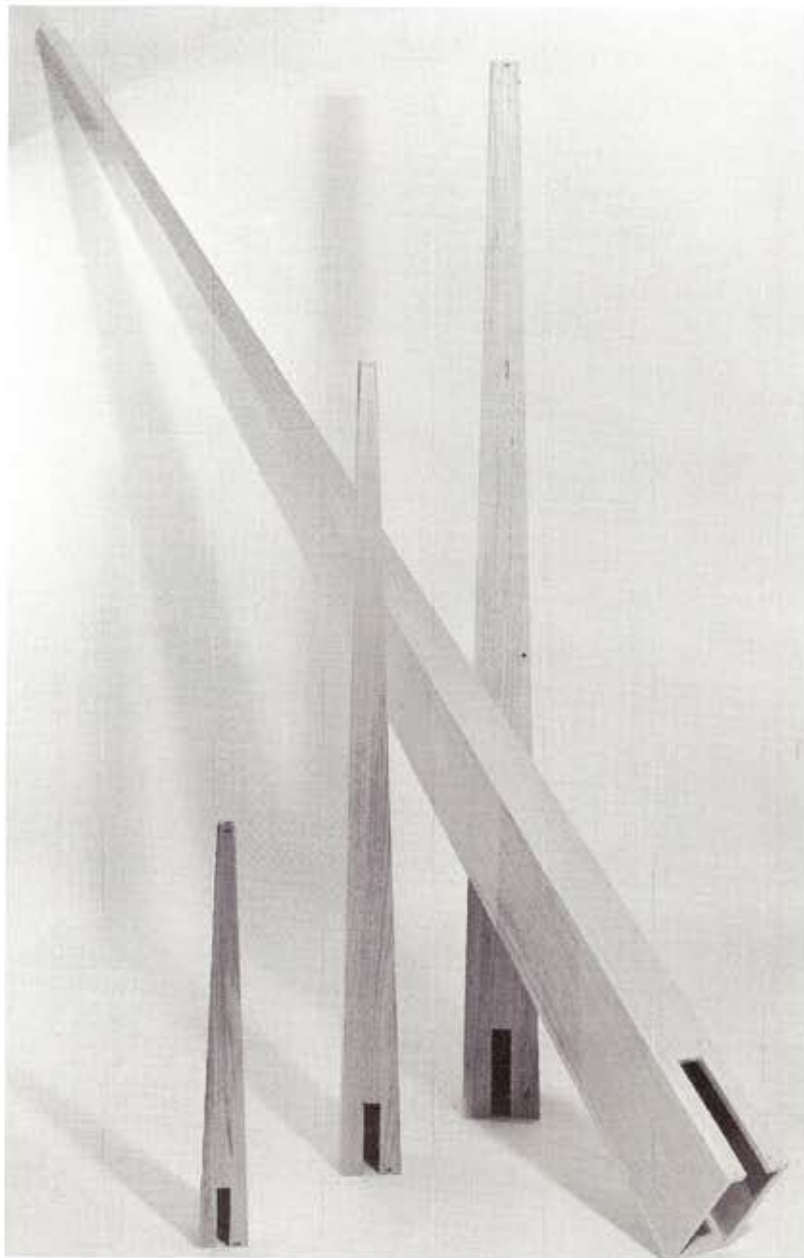
Unless otherwise specified 'unfinished' pipes are supplied with:-
cutups of 1/5 mouth width;
stoppers unleathered - not fitted;
without fine sanding or lacquer

UNVOICED PIPES

Unless otherwise specified 'unvoiced' pipes are supplied with:-
cutups of 1/5 mouth width;
stoppers leathered and fitted;
fine sanding and lacquered.

VOICED PIPES

Unless otherwise specified 'voiced' pipes are supplied with:-
cutups as requested;
stoppers leathered and fitted;
fine sanding and lacquered
voiced to pressure and pitch;
other treatment as specified.

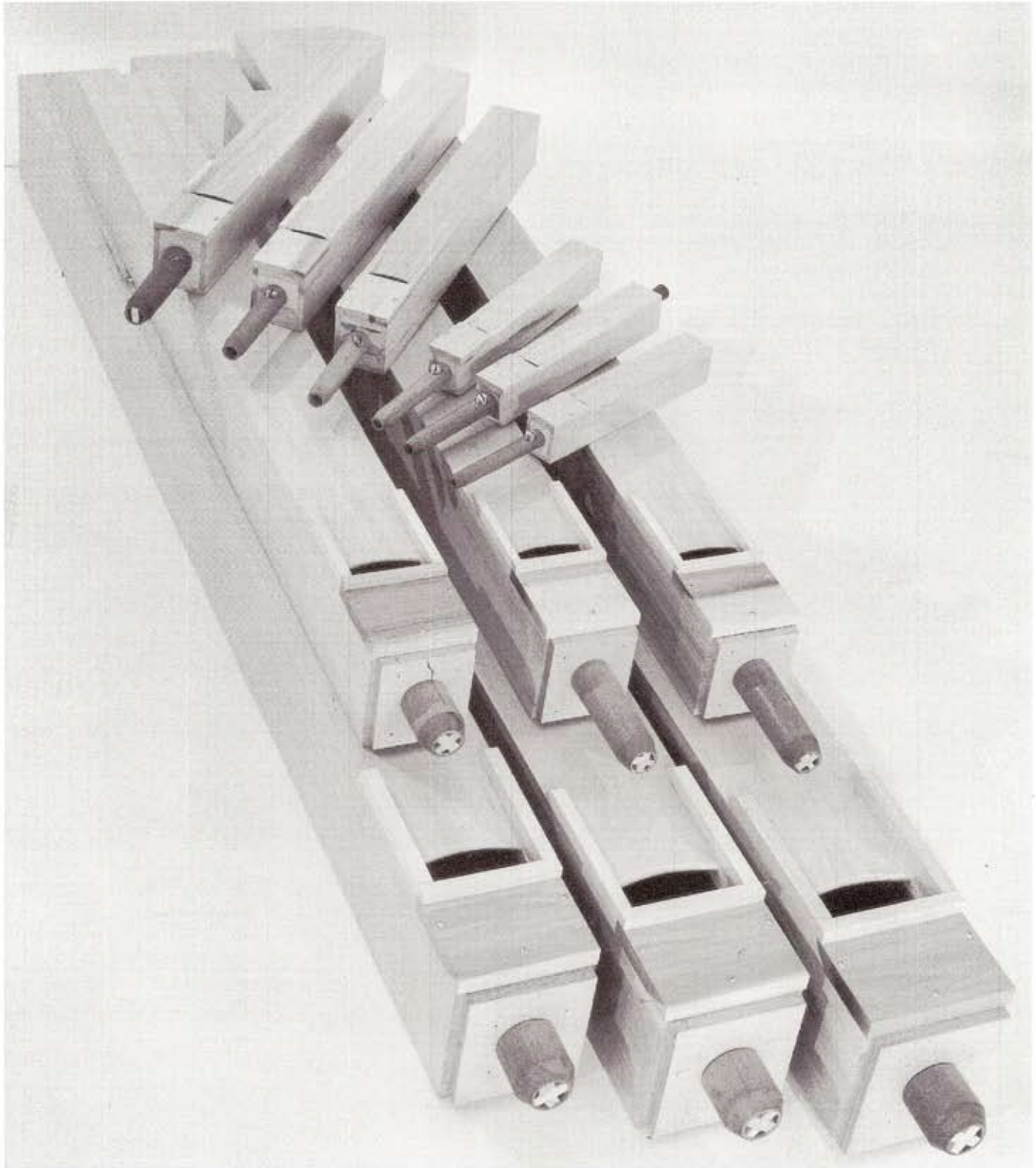


Look in the **Wood Pipes Section** of the Price List for full details and options available.



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WOOD PIPES



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METAL PIPES

The fully equipped P&S Metal Pipe and Voicing Shop is at your service for all those repair and restoration items not normally available from other Pipe Makers.

Our experienced pipemakers and voicers are frequently called upon to:

- Replace a missing pipe or pipes to an example supplied
- Rescale a stop of pipes by inserting new pipes in an existing rank
- Replace the languids
- Reduce the cutups
- Manufacture metal conveyances (conductors) for a historic restoration or for those who prefer traditional methods
- Repair and restore old ranks of pipes
- Repair reed stops for revoicing including new shallots, tongues and tuning wires
- Revoice old reed stops
- Add harmonic trebles to reed stops

- Hood and bugle reeds and mitre flues
- Supply tuning slides (sleeves)
- Supply pipe metal in sheets to any required alloy
- Supply pipes cut out ready for assembly by another pipe maker
- Attend at a client's workshop or site for repairing and mitreing pipes in situ
- Make quality new pipes to specific customer requirements

Note - Unless otherwise specified by the client, P&S will supply:-

8ft octaves and longer of 'open' metal stops and reeds in best quality zinc.

Mouth Width ratios to pipe diameters - Principals 1/4
Flutes 1/5
Strings 1/5



METAL FLUE PIPES

To simplify communication and ordering, P&S set out below a conversion table showing the relative dimensions of traditional English, European and American scaling methods.

The P&S mother scale is based on the 'Töpfer Normalmensusur' of 8ft C equal to 155 mm (6.1") with a regular 17th halving ratio (17th pipe, 16th step).

Look in the **Metal Flue Pipes** Section of the price List for full details and options available.



Diameter MM	Diameter Inches	American Scale No's
439.2	17.291	20
420.6	16.558	21
402.7	15.856	22
385.7	15.184	23
369.3	14.540	24
353.7	13.924	25
338.7	13.333	26
324.3	12.768	27
310.6	12.227	28
297.4	11.708	29
284.8	11.212	30
272.7	10.737	31
261.1	10.281	32
250.1	9.846	33
239.5	9.428	34
229.3	9.028	35
219.6	8.646	36
210.3	8.279	37
201.4	7.928	38
192.8	7.592	39
184.7	7.270	40
176.8	6.962	41
169.3	6.667	42
162.2	6.384	43
155.3	6.113	44
148.7	5.854	45
142.4	5.606	46
136.4	5.368	47
130.6	5.141	48
125.0	4.923	49
119.7	4.714	50
114.7	4.514	51
109.8	4.323	52
105.1	4.140	53
100.7	3.964	54



METAL FLUE PIPES

Diameter MM	Diameter Inches	American Scale No's
96.4	3.796	55
92.3	3.635	56
88.4	3.481	57
84.7	3.333	58
81.1	3.192	59
77.6	3.057	60
74.3	2.927	61
71.2	2.803	62
68.2	2.684	63
65.3	2.570	64
62.5	2.461	65
59.9	2.357	66
57.3	2.257	67
54.9	2.161	68
52.6	2.070	69
50.3	1.982	70
48.2	1.898	71
46.2	1.818	72
44.2	1.740	73
42.3	1.667	74
40.5	1.596	75
38.8	1.528	76
37.2	1.464	77
35.6	1.402	78
34.1	1.342	79
32.6	1.285	80
31.3	1.231	81
29.9	1.179	82
28.7	1.129	83
27.5	1.081	84
26.3	1.035	85
25.2	0.991	86
24.1	0.949	87
23.1	0.909	88
22.1	0.870	89
21.2	0.833	90
20.3	0.798	91
19.4	0.764	92



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