



# Wagga Iron Foundry

## Cast Iron Columns Catalogue

### History

From the early days of the industrial revolution iron columns carried huge loads. Iron is strong in compression, and columns form ideal struts. Cast iron columns were established here for carrying verandahs and as being part of ornamental ironwork.

We cast the round ones in grey iron as done in days gone by.

Open work columns were not intended for bearing heavy weights. Their slenderness ratio as seen from the side is high, so we cast them in ductile iron, able to withstand bending stresses.

### Patterns

Square sections above the capital, used for fixing frieze brackets, are cast integral as part of the columns. The column in figure 3 is shown without this square section, merely to show what a round column looks like without this extension.

Round columns are cast to any height within limits shown overleaf. Capitals are Corinthian or Doric, the shafts are plain or fluted, and the octagonal base may be varied in height to suit requirements.

The height of the open work columns may be altered, but pattern changes would be costly.

To suit customers' requirements often we make new patterns or adapt our patterns.

### Installation

Lugs may be cast integral with the rest of the column. Holding columns to top beams and to the foundations can be achieved without nuts and bolts being seen.

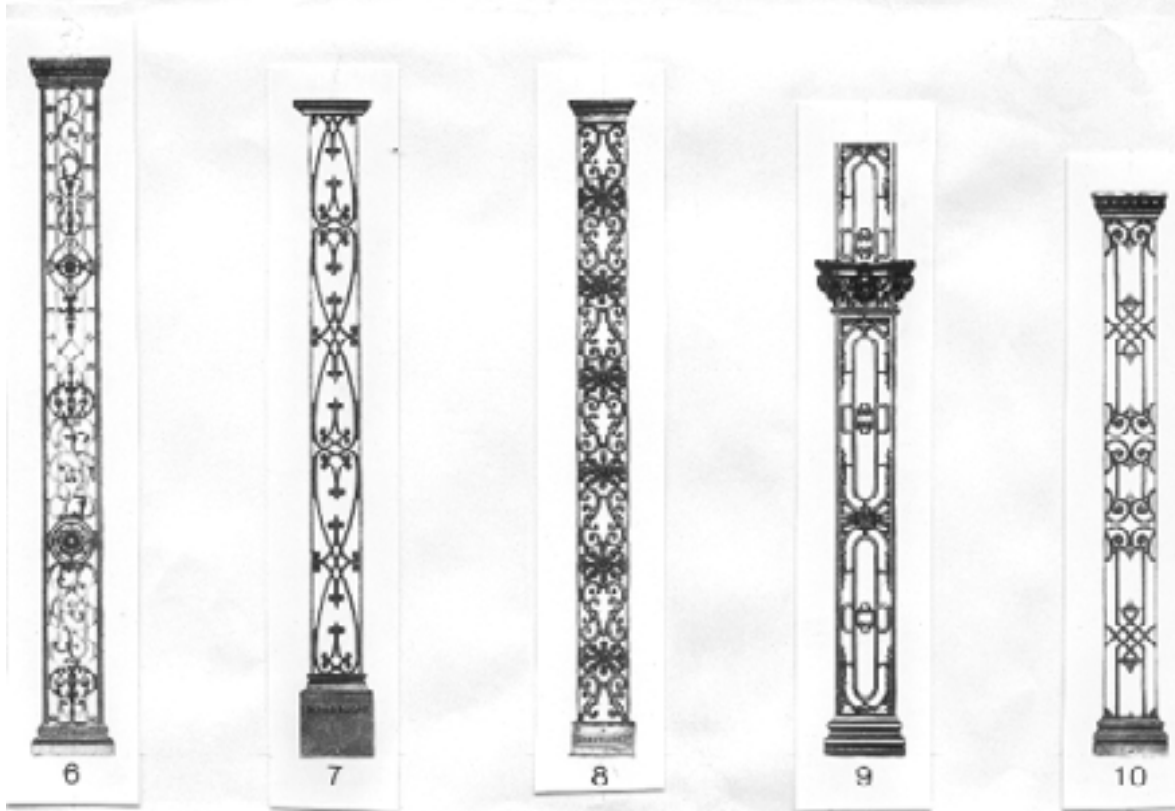
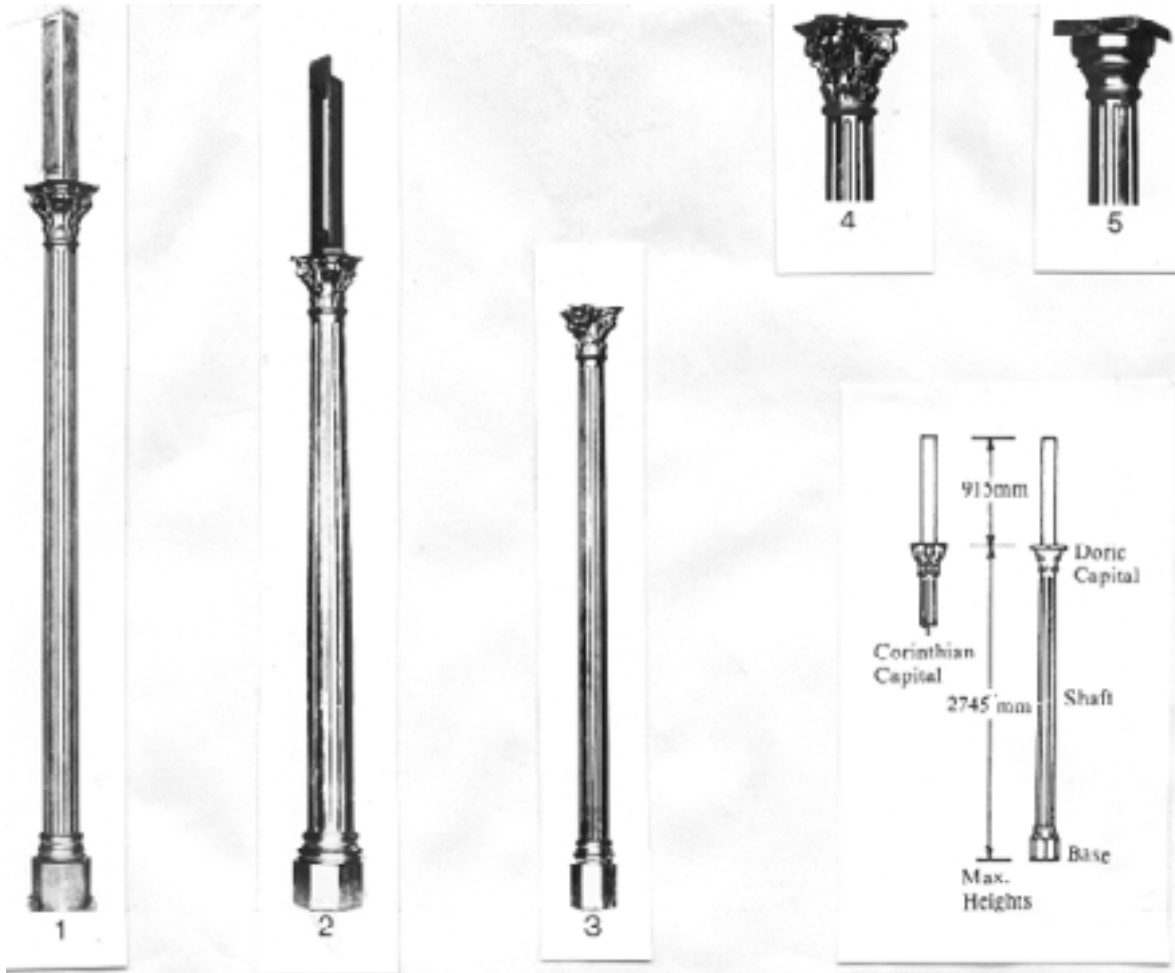
### Details

Weights and dimensions listed are approximate. Despite the contraction of the metal on freezing we can keep the tolerance of the height of the columns to within plus or minus 5mm.

Figure	Column	Height above floor		Shaft diam.		Width Square Section mm	Weight		Sided
		Total	Capital	Min	Max		Total	kg per	
		mm	Top mm	mm	mm	kg	metre		
1	Medium round	As on next page		110	124	90		33	
2	Heavy round	As on next page		124	165	90		70	
3	Light round	As on next page		89	102	90		23	
6	Open work	2500	2500				44		Single
7	Open work	2320	2320				46		Single
8	Open work	2370	2370				38		Single
9	Open work	2300	1850				58		Double
10	Open work	2120	2120				33		Double

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