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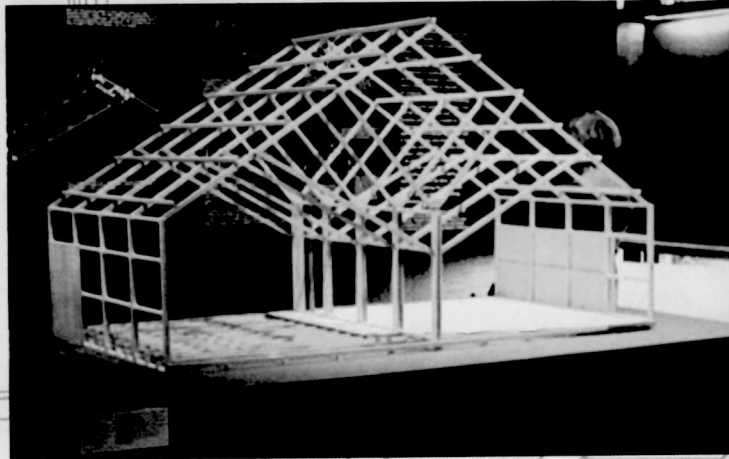
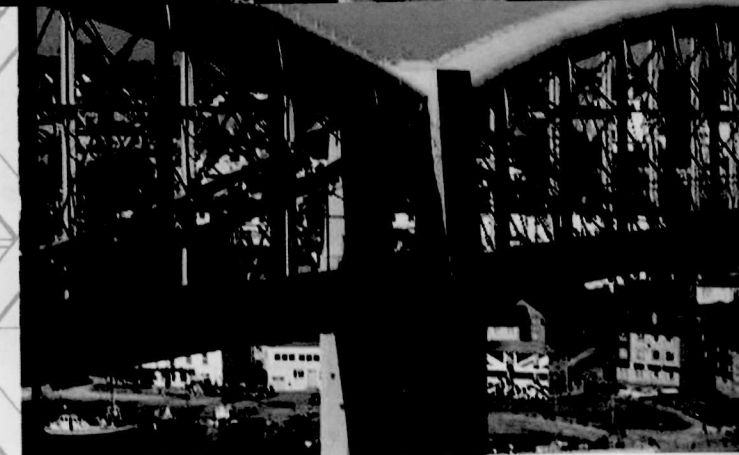
Wheeler, Shirley, Millington, Andrew and Burton, Robert (2004) L'attitude. In: L' attitude. Art Editions North, University of Sunderland, pp. 10-11. ISBN 1 873757 79 4

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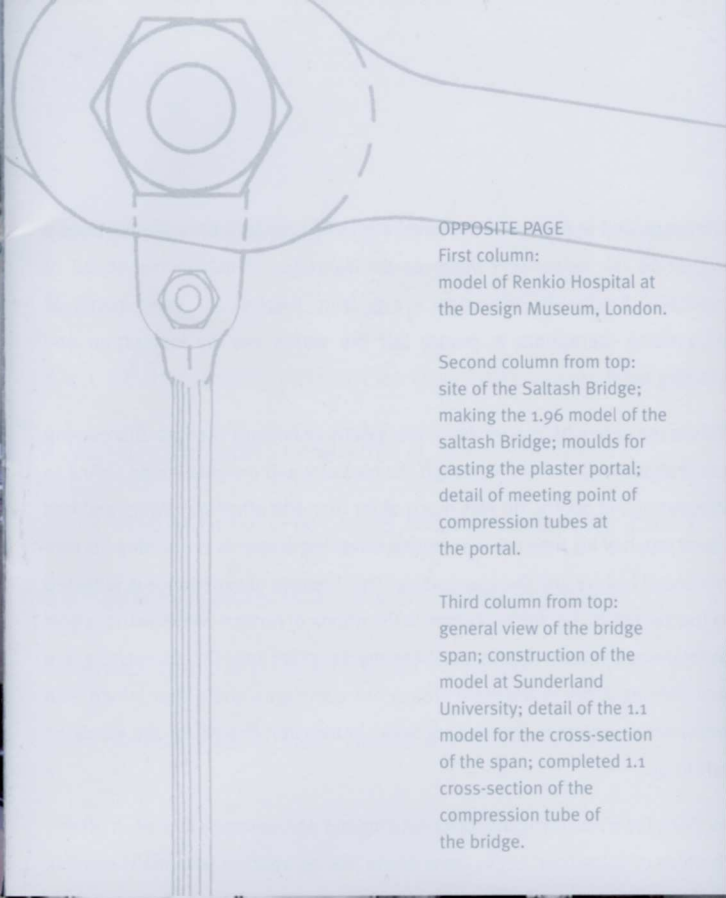
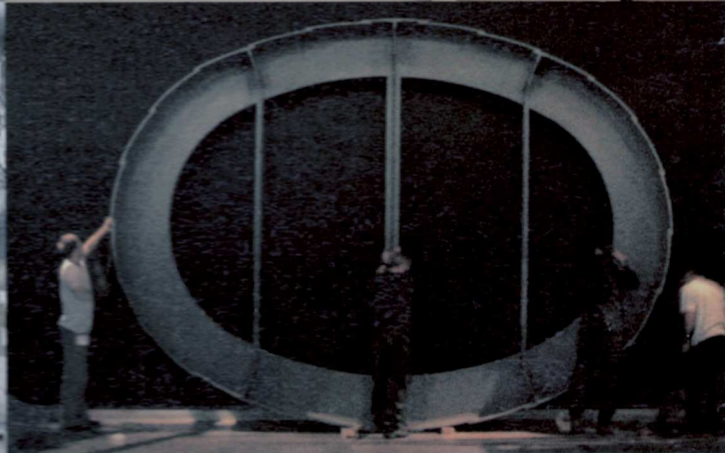
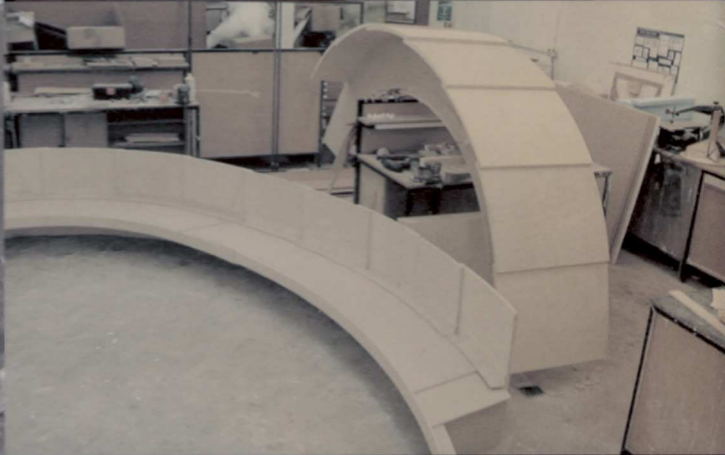
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Project: John Tyrrell has designed three completed models of C19 architectural engineer Isambard Kingdom Brunel's greatest achievements for a touring exhibition celebrating his work, 'Isambard Kingdom Brunel: Recent Works' The Design Museum, London, U.K. 2000-2002. Recognised as the world's first industrial designer, Brunel's work included the Royal Albert Bridge at Saltash, which connects Devon and Cornwall over the River Tamar. Commissioned by the Design Museum, Tyrrell designed abstract models using various media, including a 25 foot long version of the Saltash bridge. Through consultation with colleagues at the National Glass Centre at Sunderland, he specified the manufacture of laminated glass by Pilkingtons, which served to cut the model in half at its lateral waterline along the entire span of the bridge. The studies revealed for the first time that Brunel used the architectural device known as the 'Golden Section' in the bridge. The golden section, first found in Greek architecture, is acknowledged as being aesthetically pleasing. It has never before been recorded in the bridge because there have been very few surveys of this structure.



J o h n T y r r e l l



OPPOSITE PAGE

First column:
model of Renkio Hospital at
the Design Museum, London.

Second column from top:
site of the Saltash Bridge;
making the 1.96 model of the
saltash Bridge; moulds for
casting the plaster portal;
detail of meeting point of
compression tubes at
the portal.

Third column from top:
general view of the bridge
span; construction of the
model at Sunderland
University; detail of the 1.1
model for the cross-section
of the span; completed 1.1
cross-section of the
compression tube of
the bridge.



THIS PAGE

Main picture: view of the full
height of one of the portals of
the bridge; above, visitors to
the exhibition at the Design
Museum, London; inset right,
the wooden pattern of the
bridge portal.

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