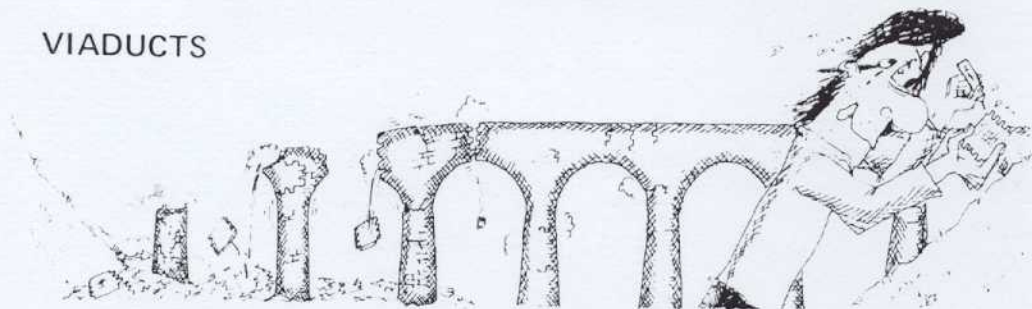
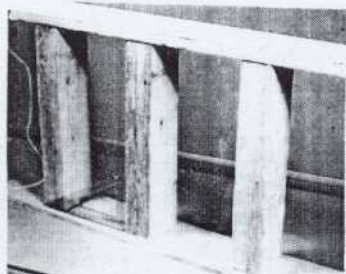


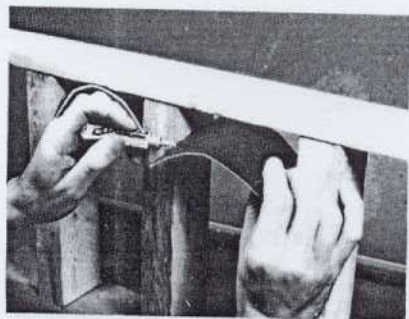
VIADUCTS



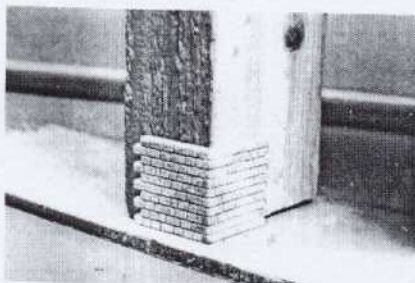
Gluing Linka on to a wooden framework provides the extra strength that viaducts and other large structures need. Do bear in mind that building a viaduct of any size is a major project, in model form as it is in real life. Build up a large stock of standard panel castings (S1 or B1) in advance. Study photographs of viaducts to familiarise yourself with the features. When you have decided on your model:



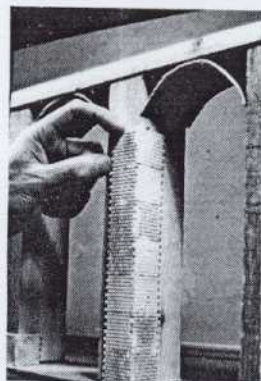
1. BUILD A WOODEN FRAME - WORK. (The bottom strip can be a temporary keep to hold the piers square during construction.)



2. GLUE IN A CURVED CARD FORMER UNDER EACH ARCH.



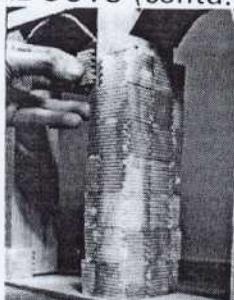
3. TAKE TWO STANDARD LINKA PANELS AND GLUE AROUND A CORNER AT THE BASE OF A PIER, APPLYING ADHESIVE TO THE SMOOTH SIDE OF THE CASTINGS AS WELL AS THE JOINTS, SO THAT THEY STICK TO THE WOOD.



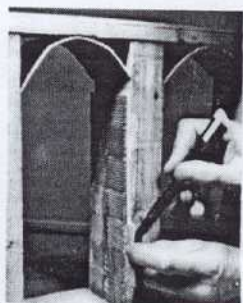
4. ADD FURTHER PAIRS OF PANELS IN THE SAME WAY UNTIL CLADDING REACHES TOP OF PIER, TAKING CARE TO KEEP EACH NEW PANEL FLUSH WITH THE LAST.

LINKA CLADDING

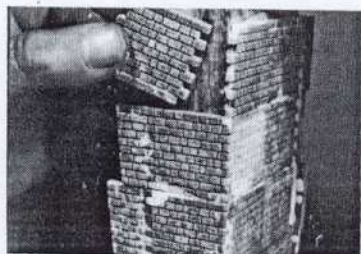
VIADUCTS (contd.)



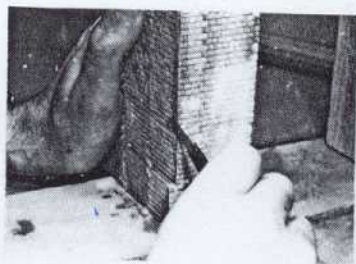
5. ADD FURTHER PANELS TO EXTEND EACH CORNER UNTIL IT OVERLAPS WOODEN PIER AT BOTH SIDES.



6. CUT OFF OVERLAP UNDER THE ARCH, FLUSH WITH THE WOODEN PIER. (Leave the other overlap at this stage.)



7. STARTING AT THE OPPOSITE CORNER, REPEAT PROCESS UNTIL THE ENTIRE PIER IS LINKA CLAD.



8. CUT OFF THE TWO REMAINING OVERLAPS, FLUSH WITH THE LINKA SURFACE.

9. FOLLOW THE SAME PROCEDURE TO CLAD EACH OF THE OTHER PIERS IN TURN. Don't forget to mark in a landscape line on the outer piers if you are going to set the viaduct in a valley - there is no point in cladding parts of the wooden pier that are going to be covered by scenery!
10. WHERE THE OVERLAPS HAVE BEEN CUT OFF, SAND SMOOTH, FILL THE CRACKS WITH WEAK LINKALITE OR DAS CLAY AND ETCH IN THE MORTAR LINES. (AS SHOWN ON PAGES 9 & 10)
11. CLAD THE TOP PART OF THE VIADUCT ABOVE THE PIERS, OVERLAPPING ON THE CURVED ARCH FORMERS.
12. CUT OUT THE CURVED ARCH OVERLAPS USING THE METHOD SHOWN FOR TUNNEL MOUTHS ON PAGE 16.
13. CLAD THE UNDERSIDE OF EACH ARCH WITH EITHER CURVED LINKA (PAGE 29) OR EMBOSSED PLASTICARD (STONE OR BRICK FINISH).
14. ADD A STRIP OF DAS CLAY AROUND EACH ARCH TO DISGUISE THE JOIN AND ACT AS FACING STONES, AS SHOWN ON PAGE 16.

The viaduct is now ready for detailing and finishing - plinths around the pier bases, raised walling and coping (pages 19 and 26), then painting and weathering (pages 41 to 43).