

JUNIOR

CHAD VALLEY

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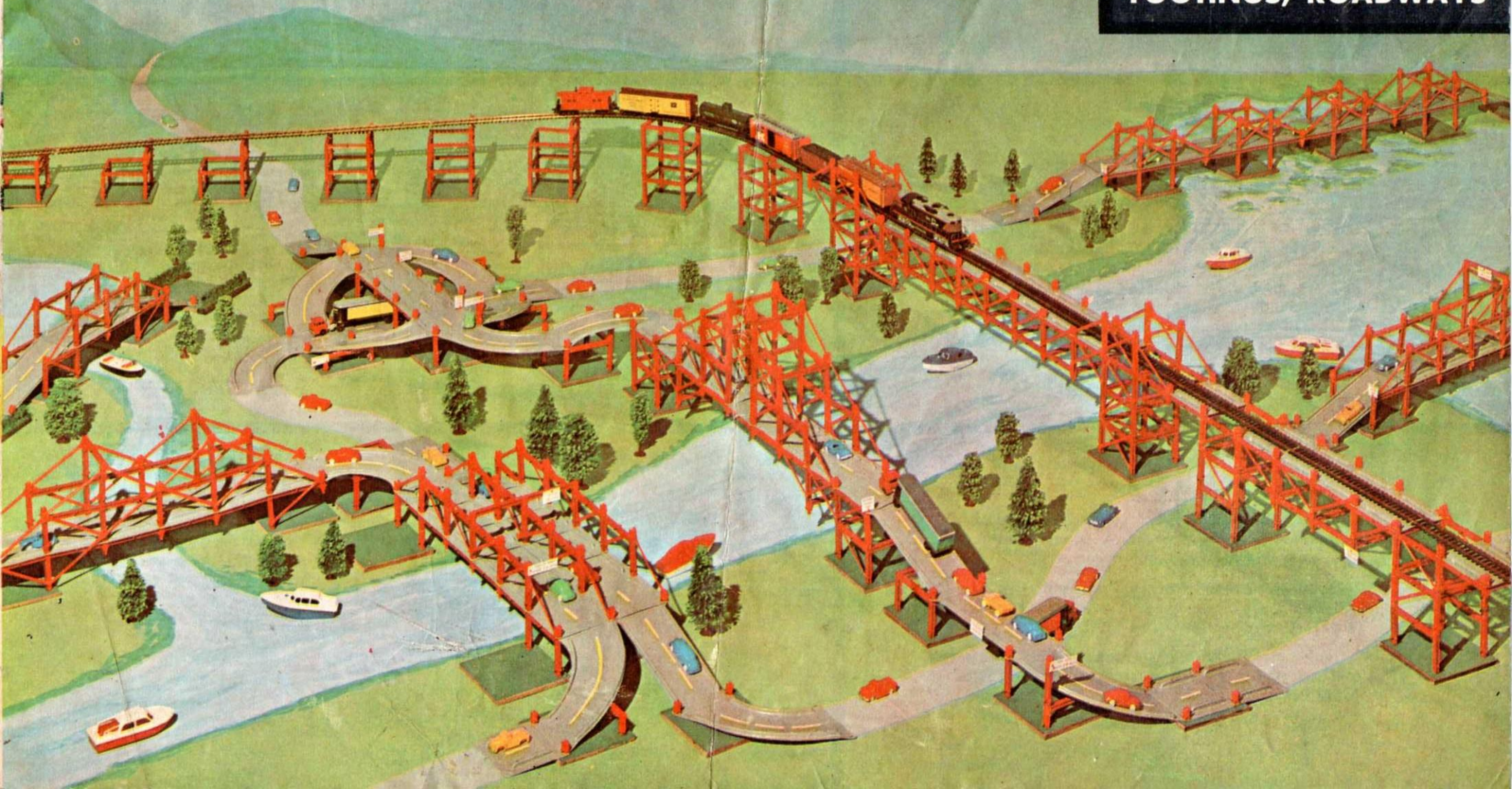
PLANNING BOOK

BRIDGE and ROADWAYS Building Set

Build the way Bridges and Roadways are actually Built



Design and Build
a VARIETY of
REALISTIC STRUCTURES
with GIRDERS, BRACES,
FOOTINGS, ROADWAYS

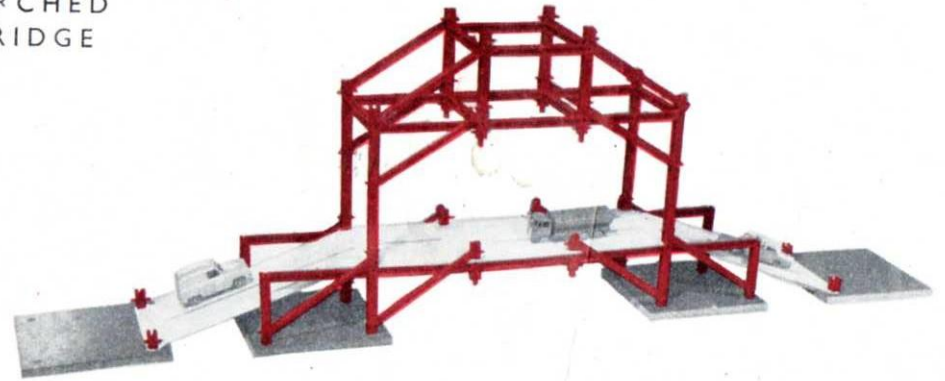


ARCHED BRIDGE.—This is a smaller version of the Suspension Bridge which can be built with the large edition Bridge and Roadways sets.

Most of the patterns shown are easy to build if they are constructed in stages and then assembled.

With this bridge it is better to build the end piers up to roadway level and then join them together. The approaches should be added at this stage to complete the roadway. The upper structure is added by constructing at both ends and working towards the centre.

ARCHED
BRIDGE

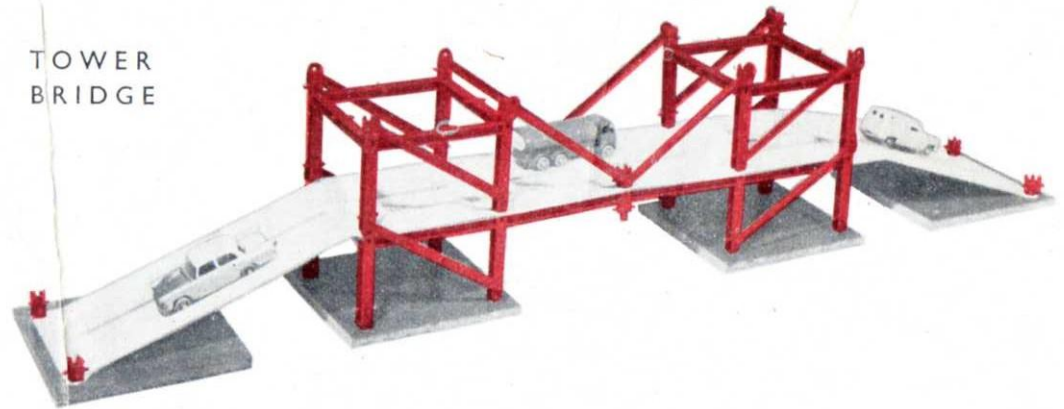


TOWER BRIDGE.—As with most bridges this one is first built up to road level, the ramps being left as the last items on this section.

The towers are added at this point and although the bridge is not of great length the construction is an impressive one.

This design could be regarded as a preliminary one to the building of the more complicated designs which can be made with the Bridge and Roadways sets Nos. 4, 5, 6 and 7.

TOWER
BRIDGE

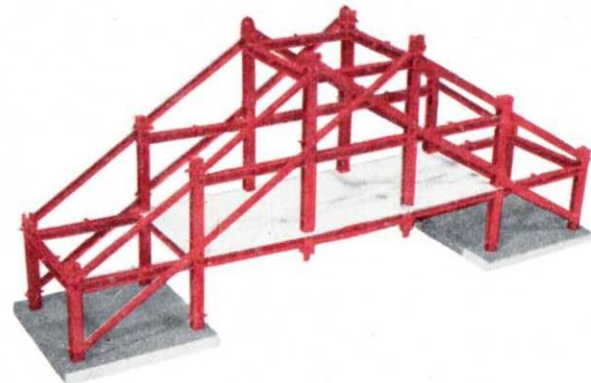


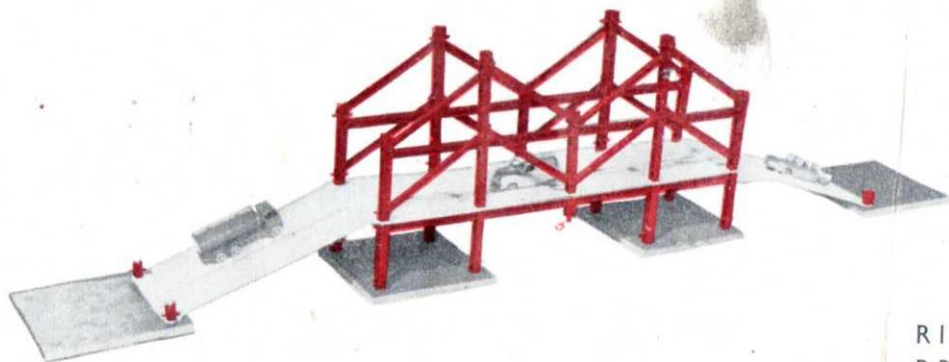
RAILWAY BRIDGE.—These give added interest to all your sets as the use of toy trains gives more enjoyment to the Bridge Building.

If model trains are your hobby, you can build bridges and trestles which will become part of your general lay-out.

In building railway bridges and trestles you can leave out the flat roadway sections, giving them a real railway-like appearance.

RAILWAY
BRIDGE

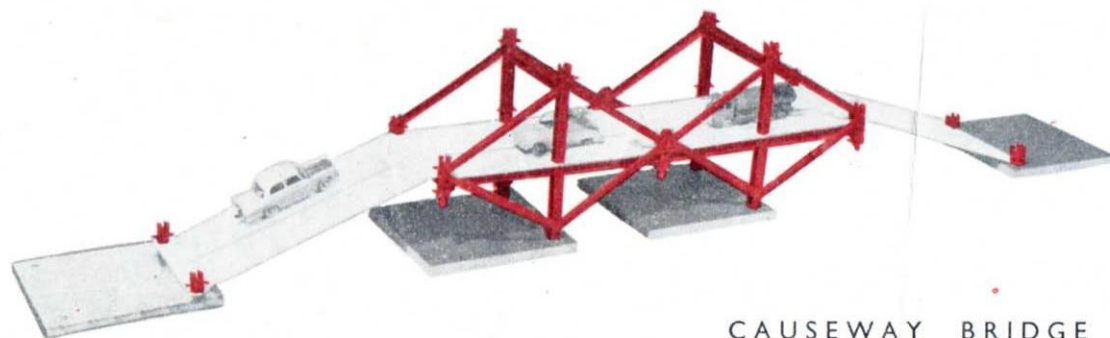




RIVER
BRIDGE

RIVER BRIDGE.—This type of Bridge has a strong column and beam construction on the piers, and is the type of bridge you see when roadways cross small rivers and streams.

This bridge is constructed up to roadway level, adding the end ramps before building the upper structure.



CAUSEWAY BRIDGE

CAUSEWAY BRIDGE.—This type of bridge is used to cross low places or shallow water where there is no traffic underneath with which the footings would interfere. Start by building the two piers separately. Make them up with the ramps in position and join together in the centre to form the complete bridge.



LONG-SPAN
ROADWAY BRIDGE

LONG-SPAN ROADWAY BRIDGE.—This bridge is of fairly simple construction, but gives a longer span with built-in ramps at the ends of the roadway.

To build this pattern, first construct the piers, but leave off the beams across the ends to allow the ramps to fit down in between.

As this is a fairly long span bridge, the cross braces give the span additional support.

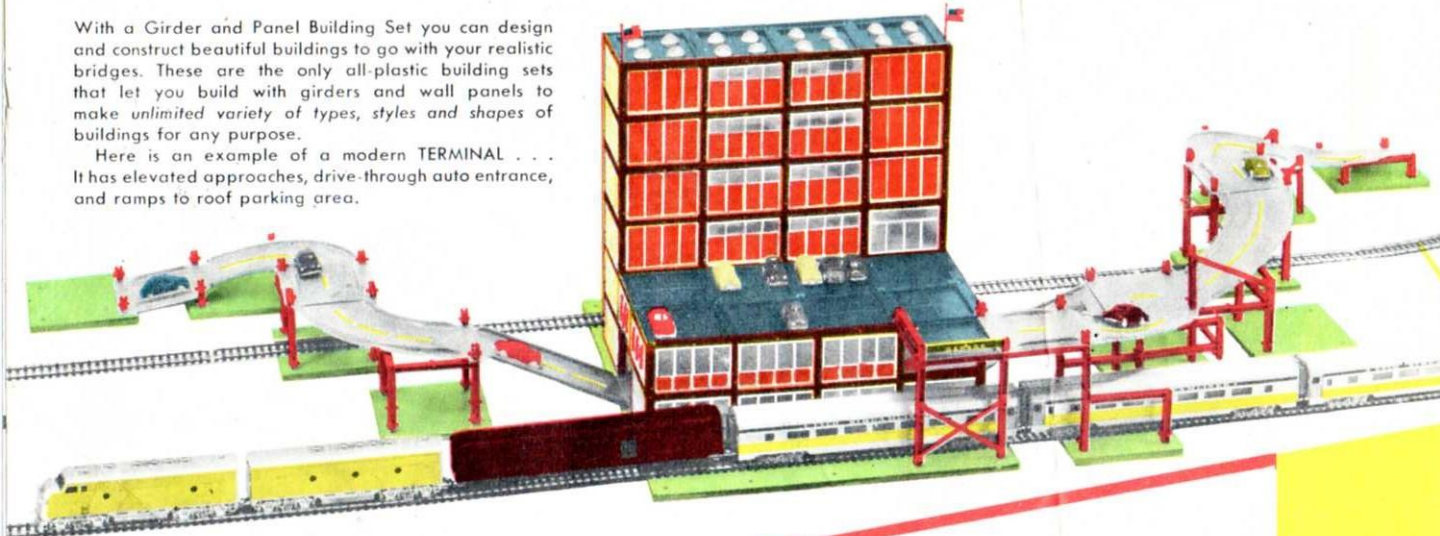
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You can combine your Bridge and Roadways Set with Chad Valley's GIRDER and PANEL BUILDING SETS

BUILD MODERN BUILDINGS THE WAY REAL BUILDINGS ARE BUILT . . . construct framework of GIRDERS on the Masonite foundation, build on walls with prefab PANELS

With a Girder and Panel Building Set you can design and construct beautiful buildings to go with your realistic bridges. These are the only all-plastic building sets that let you build with girders and wall panels to make unlimited variety of types, styles and shapes of buildings for any purpose.

Here is an example of a modern TERMINAL . . . It has elevated approaches, drive-through auto entrance, and ramps to roof parking area.



This side view of the TERMINAL shows how cars and taxicabs can overpass the railroad tracks to drive into the ground floor of the building. A ramp leads up to the roof where cars are parked. You can build many variations, such as running the trains into the depot.

You can build this WAREHOUSE to use with your model trains. It has an elevated freight siding with overhanging canopy. Truck ramps lead up to the loading dock. With a little imagination you can design and construct literally thousands of different buildings to go with your Bridge and Roadway Set.



YOU CAN COMBINE ALL THESE SETS to build larger structures such as the Railway Bridge and Trestle on the cover, which is a combination of No. 4 and No. 5 Bridge and Roadway Sets.

Chad Valley Girder and Panel Building Sets and the Bridge and Roadways Sets are same scale, so that all structural parts will fit together and can be used interchangeably when any of the sets are combined.

There are three sizes of Girder and Panel sets. The Terminal building at the top of this page was built with Set No. 3; the Warehouse was built with Set No. 2; the Toll House was built with Set No. 1. Any of these sets can be combined with either the No. 4 or No. 5 Bridge and Roadway set, or with each other.



To add interest and play value to your bridges and roadways, you can build realistic TOLL HOUSES like this. You can also build roadside RESTAURANTS and modern MOTELS such as you see along the roadways and highways as you travel.