

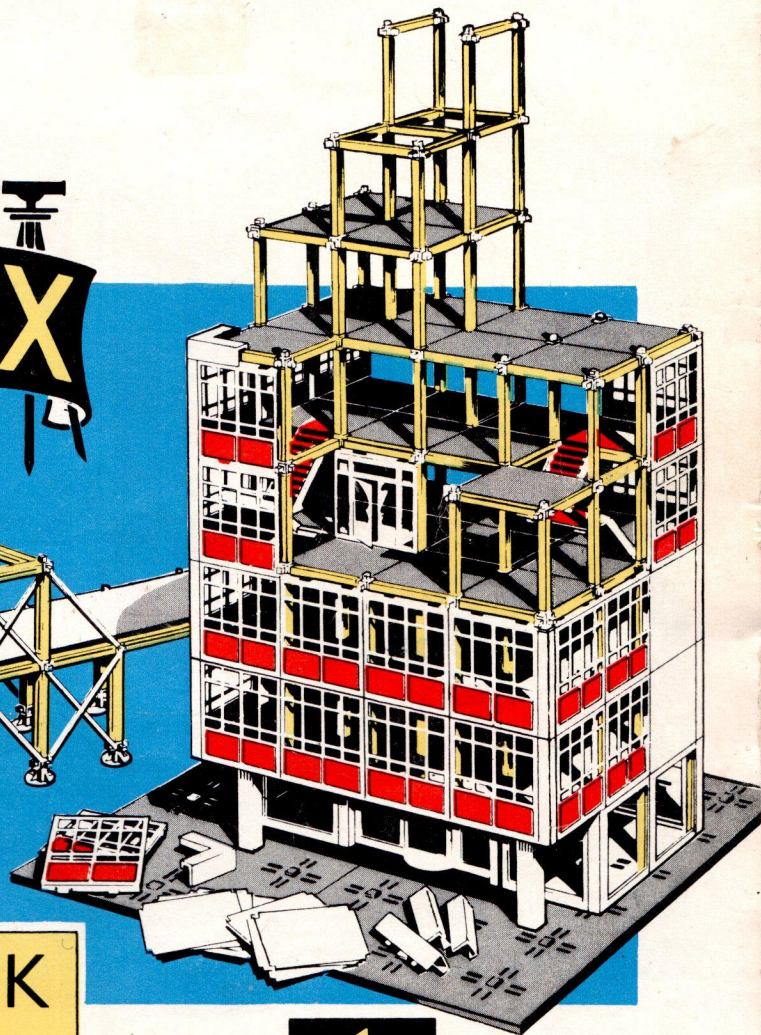
Tri-ang

Regd. Trade Mark

ARKITEX

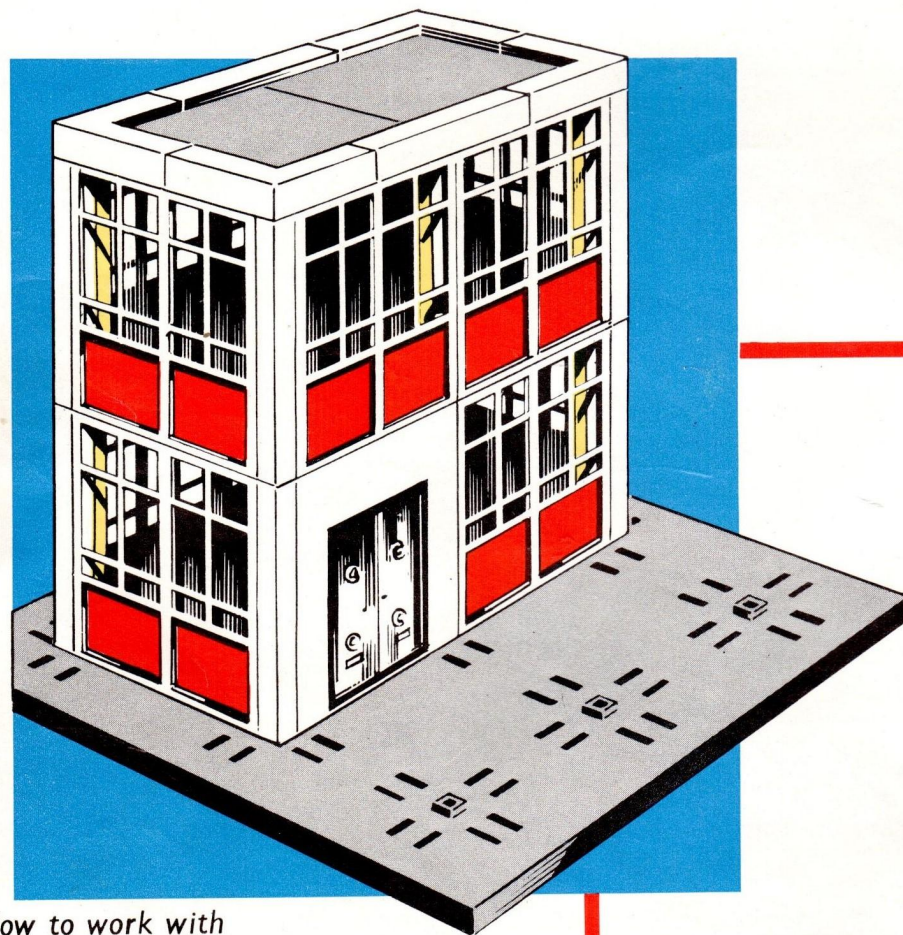
Regd. Trade Mark

MODERN BUILDING EQUIPMENT



HANDBOOK
AND
CATALOGUE

$\frac{1}{42}$ SCALE



How to work with



Tri-ang

Regd. Trade Mark

ARKITEK

Regd. Trade Mark

MODERN BUILDING EQUIPMENT

Tri-ang Arkitek modern building equipment is a true to scale modern building construction which will appeal to all ages. Simple self locking parts, moulded in high impact Polystyrene—the girder framework is erected on a base and floors are positioned on each storey. Window panels, door panels, plain panels and vertical corners are then dropped into place, followed by the roof edging.

Each kit is complete in itself, and the basic kit enables the builder to complete simple modern buildings. Step by step instructions are given in the manual and details of expansion to each kit from the wide range of spares and accessories is illustrated and explained—allowing for the construction of unlimited variety of buildings from single storey office blocks to towering Skyscrapers.

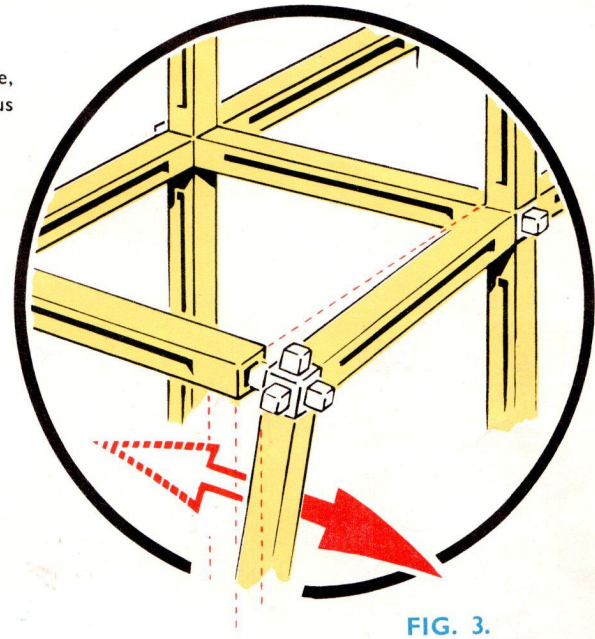
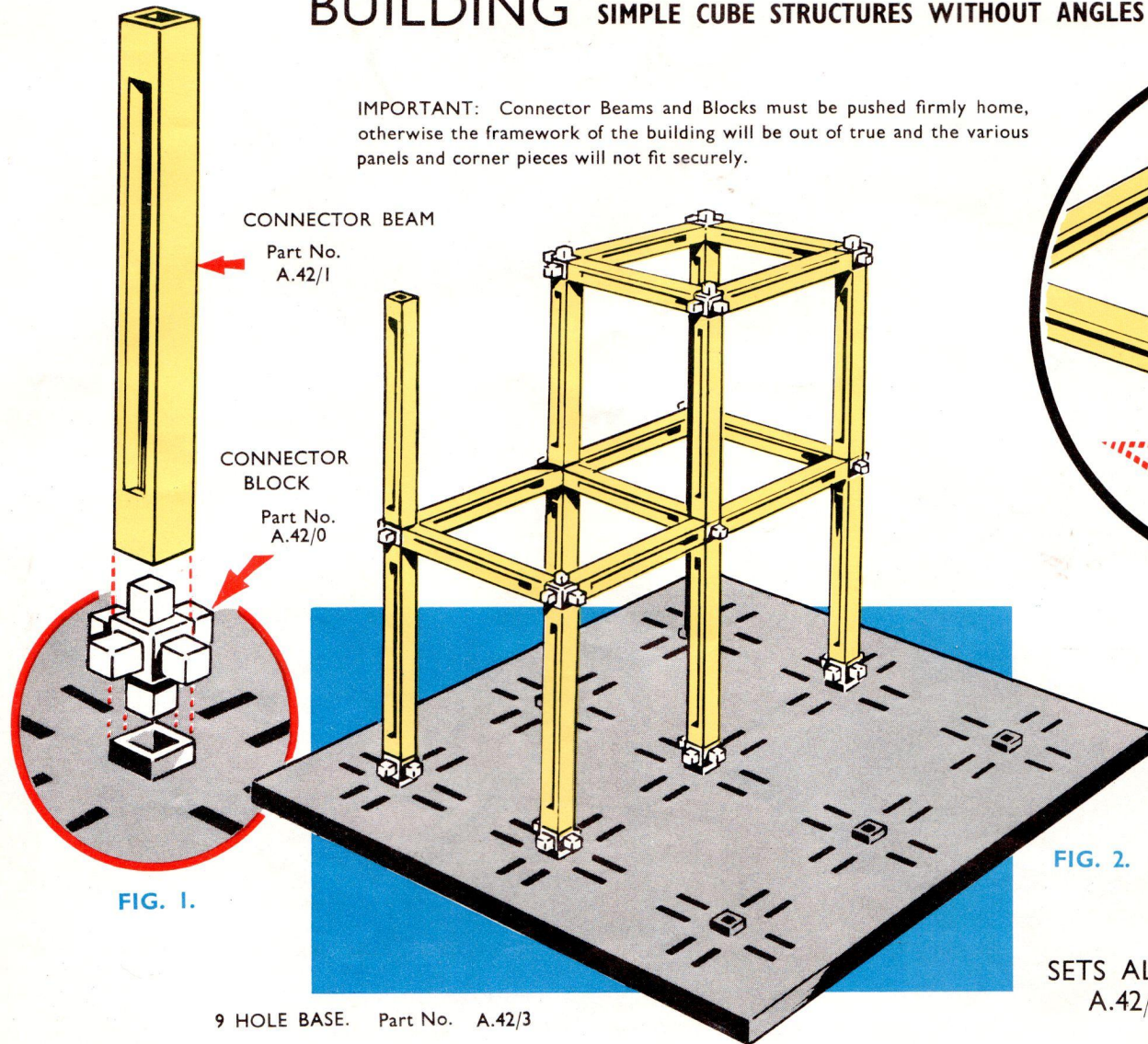
Would be architects will find these construction kits a perfect outlet for their own ideas—use of the accessories makes possible the erection of more elaborate buildings with overhanging projections Penthouses and Towers. Beautiful buildings, practical buildings—buildings of unique and outstanding design—all can be built with the Arkitek Modern Building Equipment.

Tri-ang Arkitek is available in two scales $\frac{1}{42}$ nd scale which will tie-up with the Spot-On Roadway system and model cars—and '00' Gauge scale which ties up with Tri-ang Railways layouts.

Study carefully the directions given on the following pages and see how easy it is to build with these kits.

BUILDING SIMPLE CUBE STRUCTURES WITHOUT ANGLES OR TOWERS

IMPORTANT: Connector Beams and Blocks must be pushed firmly home, otherwise the framework of the building will be out of true and the various panels and corner pieces will not fit securely.



"GIRDER" FRAMEWORK ASSEMBLY

The flexible nature of the girder framework enables additions and alterations to be made without completely dismantling the structure.

SETS ALSO INCLUDE 3 HOLE BASE UNIT A.42/2 TO INCREASE FLOOR AREA.

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MODERN BUILDING EQUIPMENT

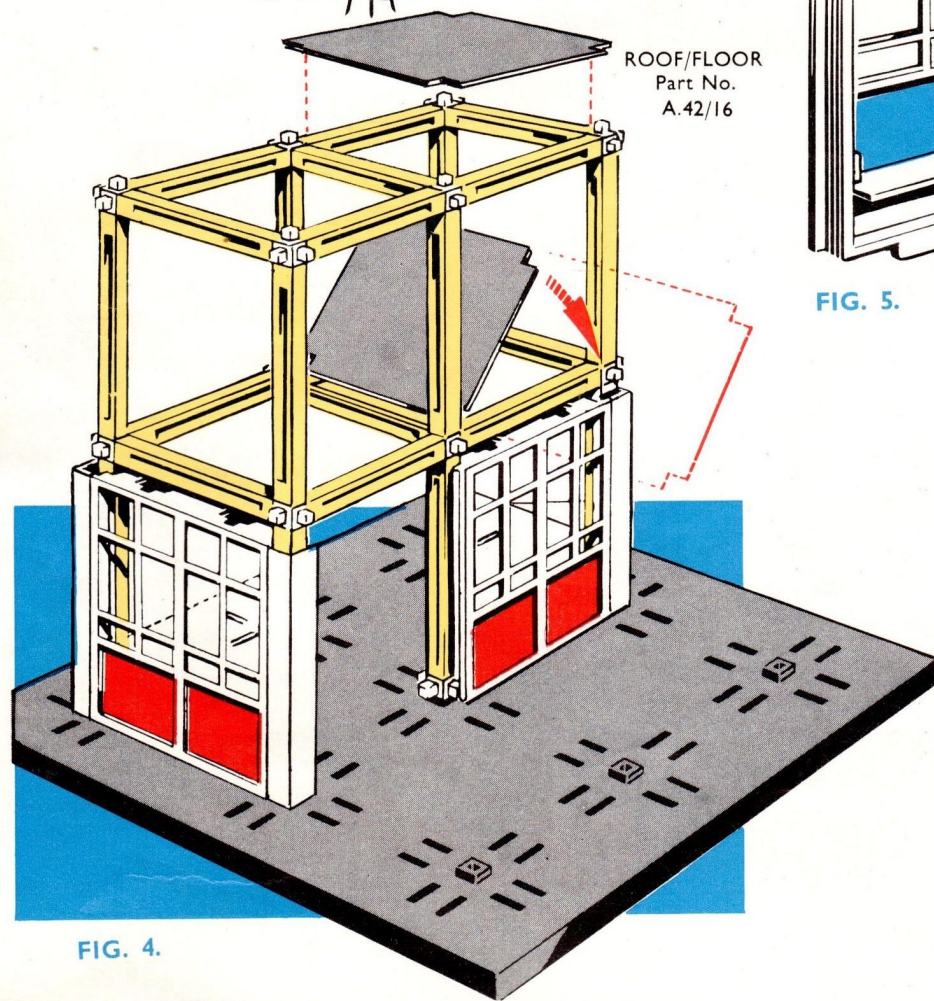


FIG. 4.

ROOF/FLOOR
Part No.
A.42/16

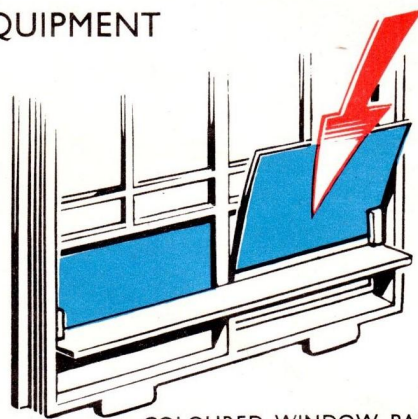


FIG. 5.

COLOURED WINDOW PANELS
Part No. A.42/20

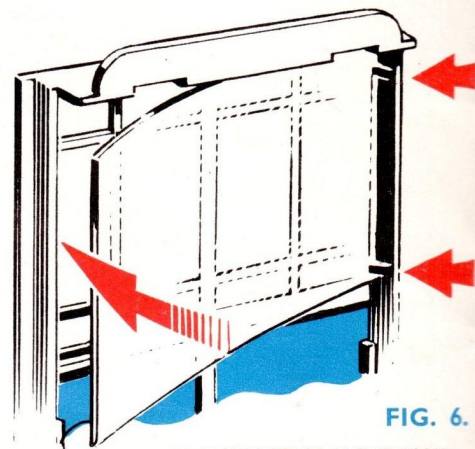


FIG. 6.

TRANSPARENT WINDOWS
Part No. A.42/19

Fix these behind the
4 retaining tongues
on the inside of the
frame.

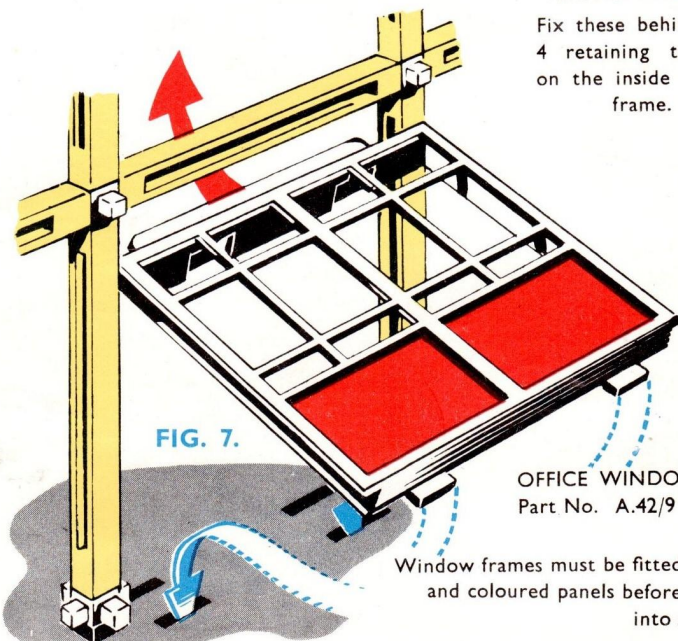


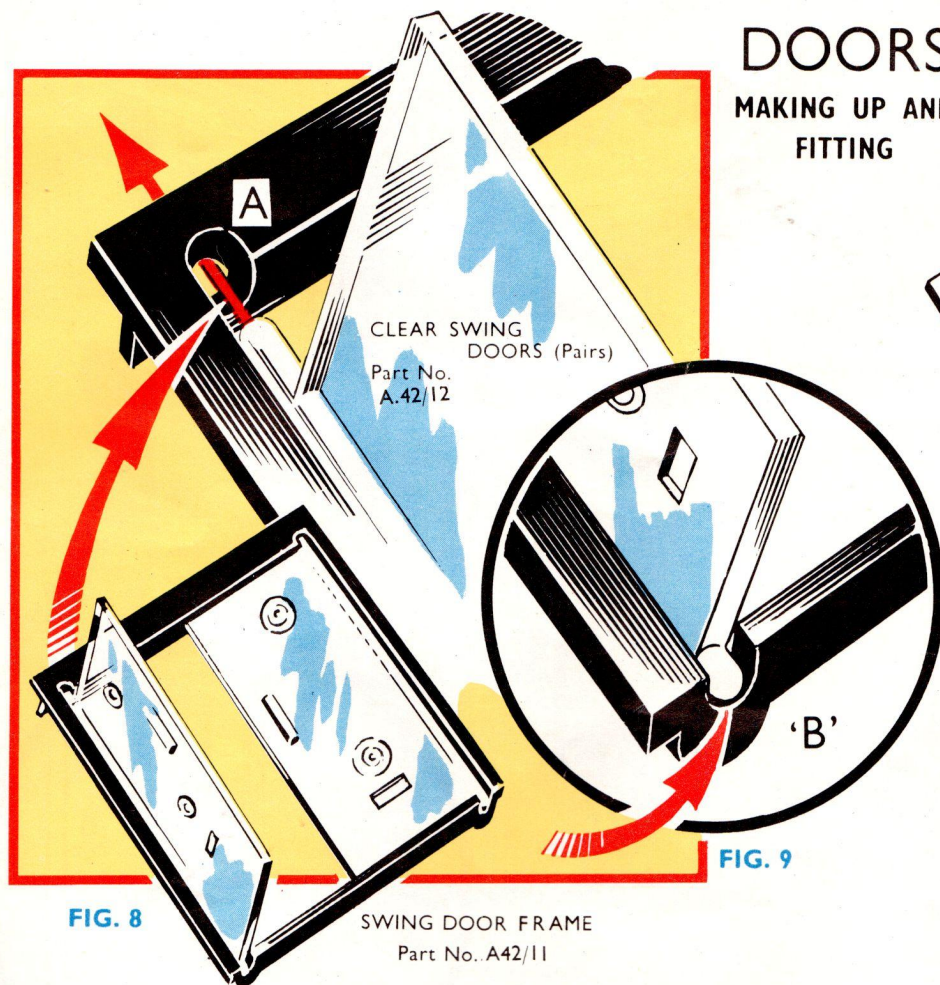
FIG. 7.

OFFICE WINDOW 'A' type
Part No. A.42/9

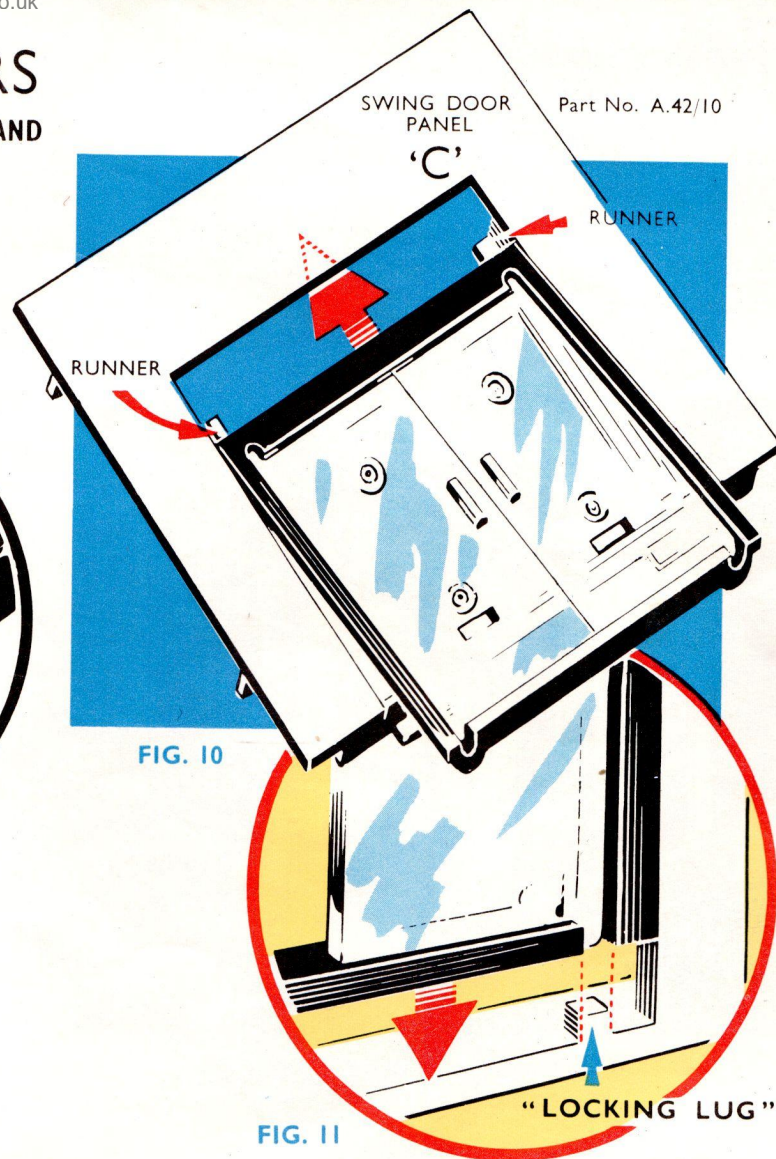
Window frames must be fitted with 'Glass'
and coloured panels before assembling
into structure.

DOORS

MAKING UP AND FITTING



The long pin on the 'glass' door must be inserted into the hole marked 'A' at the top of the door frame. Push in far enough to allow the short pin to drop into the slot at the bottom of the frame 'B' (Fig. 9). Repeat operations for other door. Close doors together and slide this assembled unit into the main door panel 'C' using the 'runners' as a guide. (Fig. 10). When it is resting squarely on the runners, drop the unit down to position the short door pins behind the locking lugs. (Fig. 11).



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MODERN BUILDING EQUIPMENT

CORNERS

ORDER OF ASSEMBLING

FIRST OPERATION

Fit vertical corner piece into place
with tongue on connector block (FIG. 13).

SECOND OPERATION

Fit side panel (either window,
doorway or plain) into position

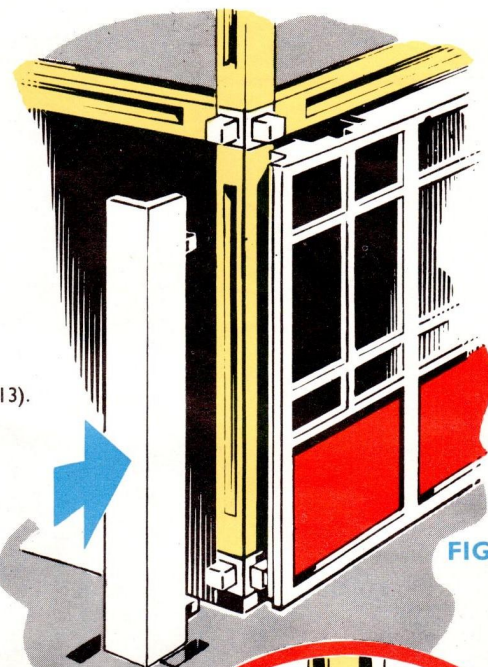
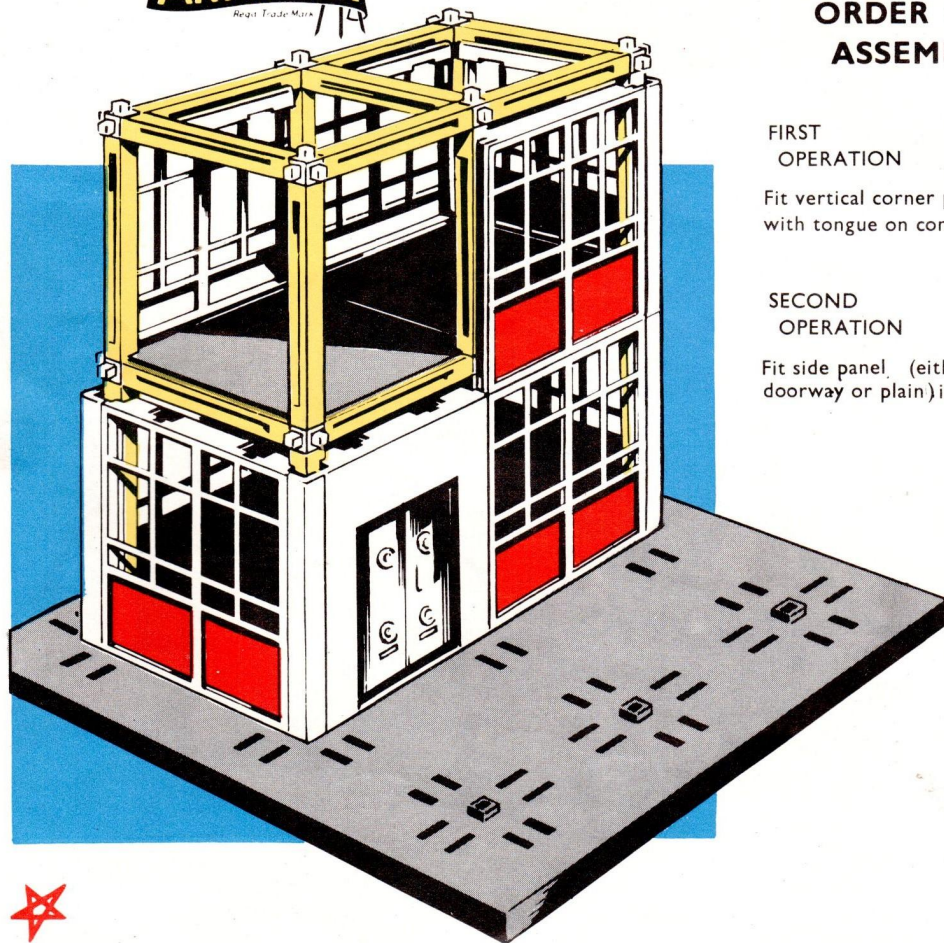
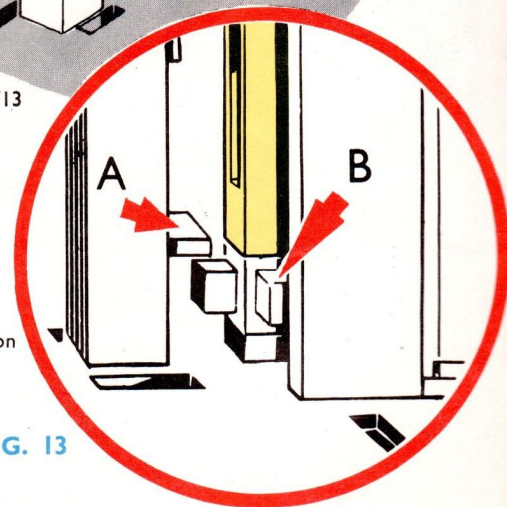


FIG. 12

VERTICAL
CORNER
Part No. A.42/13



Rest tongue 'A' on
connector block
projection 'B'.

FIG. 13

"PLAIN" PANELS, ARE AVAILABLE IN ROUGH CAST, BRICKWORK OR CONCRETE FINISH.

ROOF CORNERS & EDGES



MODERN BUILDING
EQUIPMENT

Having reached this stage, you have completed the series of basic operations required to construct any building you wish within the limits of the sets 1 and 2. To increase the range of types and sizes of buildings, an extensive range of accessories have been designed, and are illustrated and explained from page 8 onwards.

ROOF EDGE CORNER

Part No. A.42/15

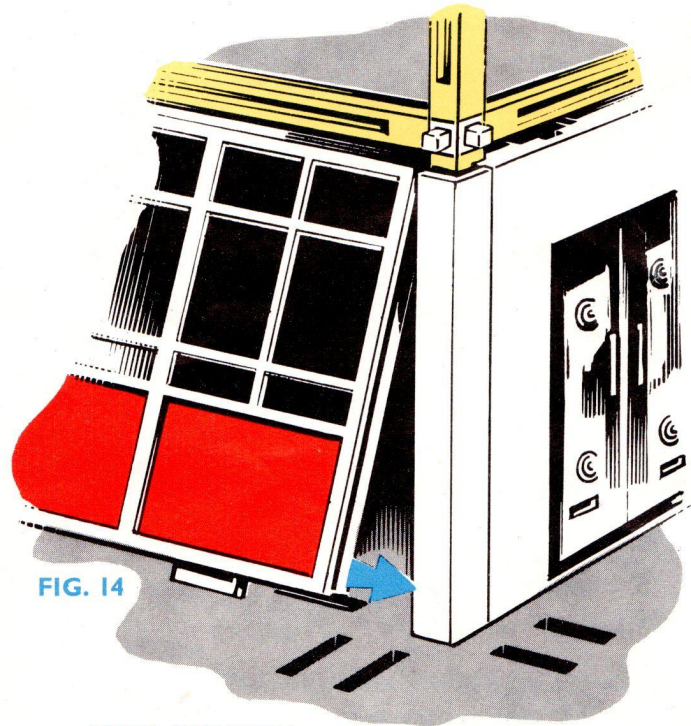


FIG. 14

THIRD OPERATION

(Vertical Corner piece fitting, continued).

Fit second panel into place. This will then lock the vertical corner unit into position and the whole corner assembly will be firm and secure.

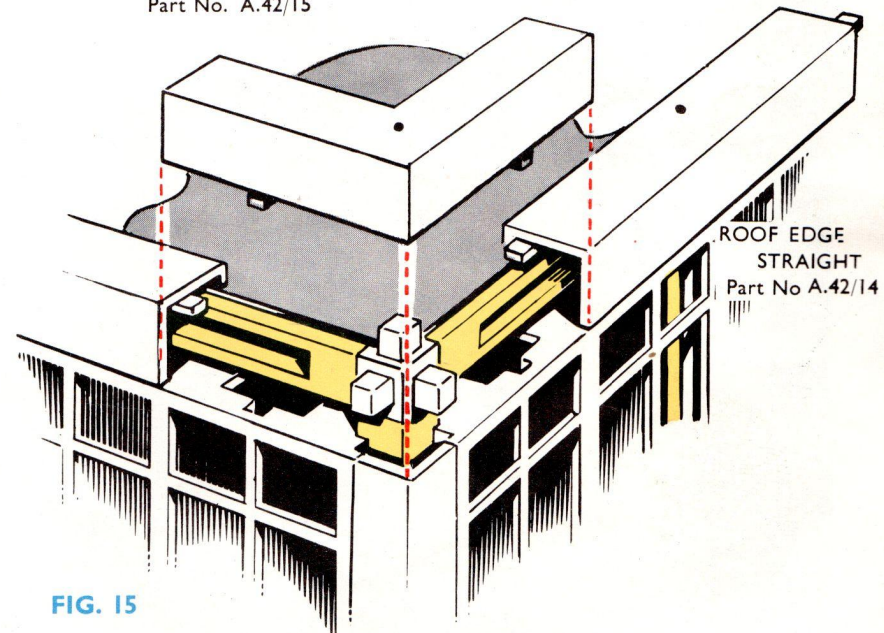


FIG. 15

ROOF EDGE
STRAIGHT
Part No A.42/14

Roof edge corners and straight edges lock into position as illustrated. (Fig. 15.)

INCREASING HEIGHT

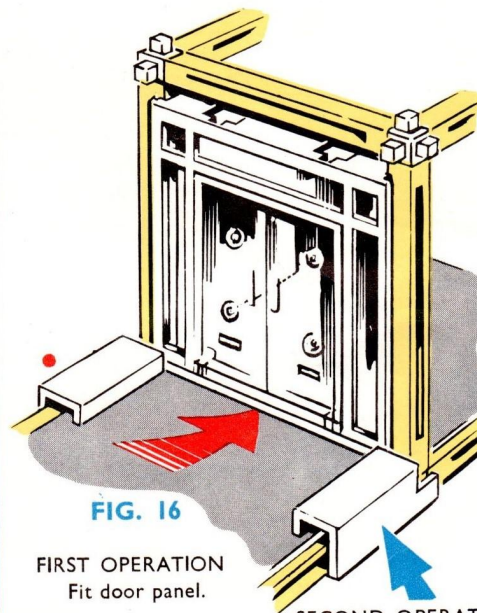
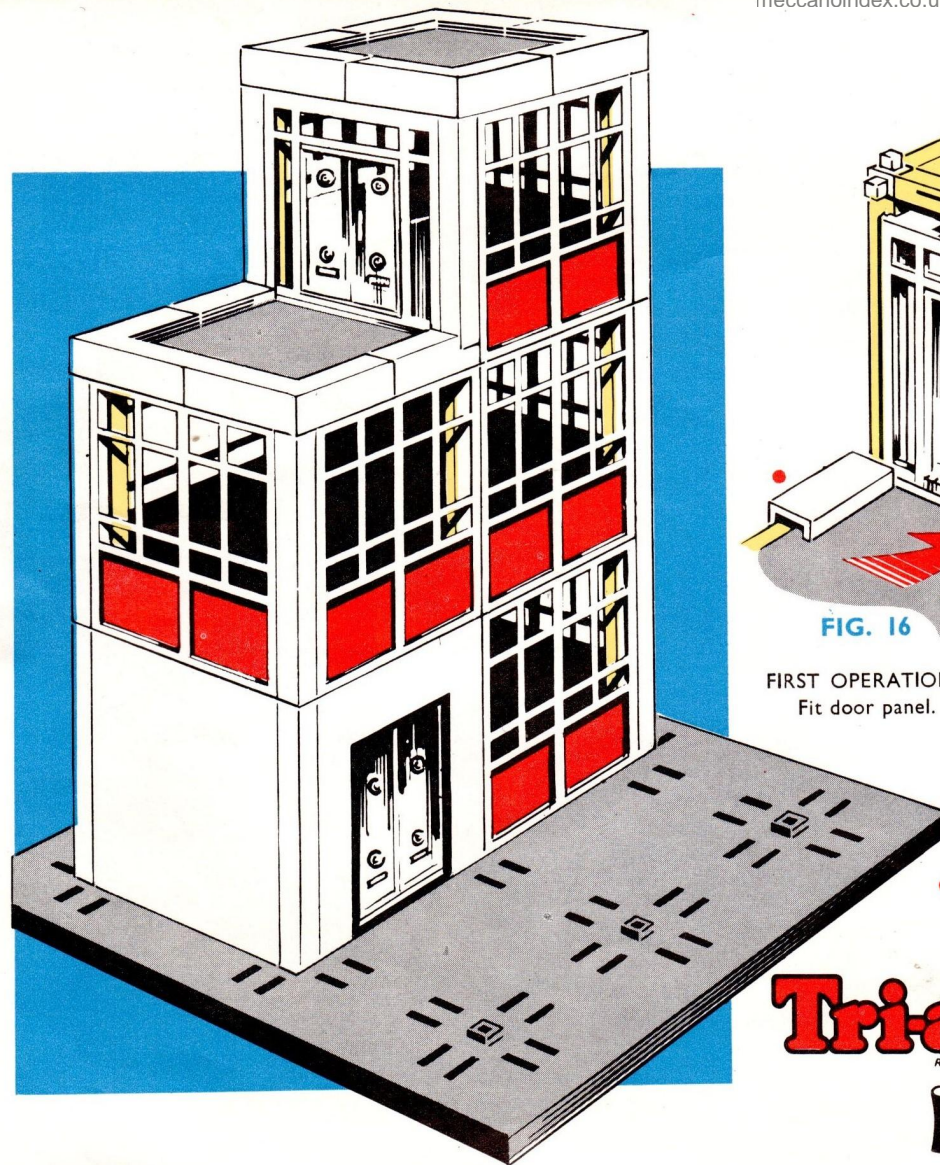


FIG. 16

FIRST OPERATION
Fit door panel.

SECOND OPERATION
Place short straights
into position.

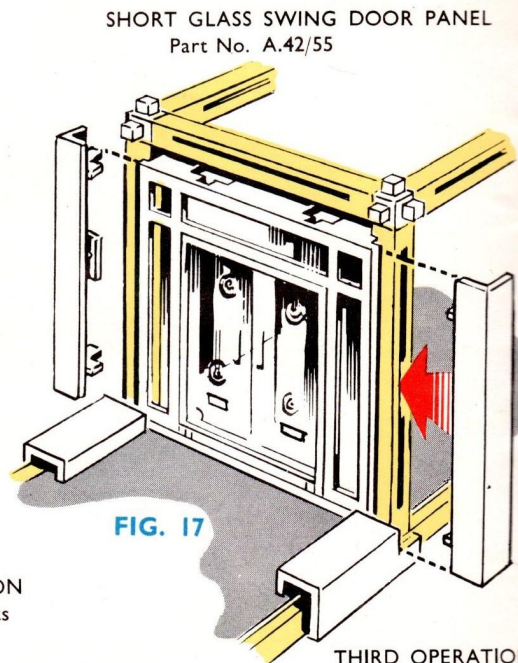


FIG. 17

THIRD OPERATION
Fit corner pieces
into place.

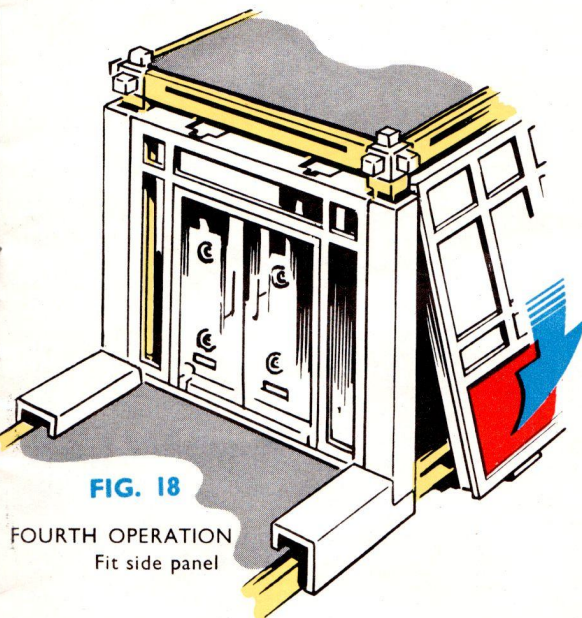
- SHORT ROOF STRAIGHT (Left hand) Part No. A.42/61
- SHORT ROOF STRAIGHT (Right hand) Part No. A.42/62

Tri-ang
Regd. Trade Mark
ARKITEX
Regd. Trade Mark

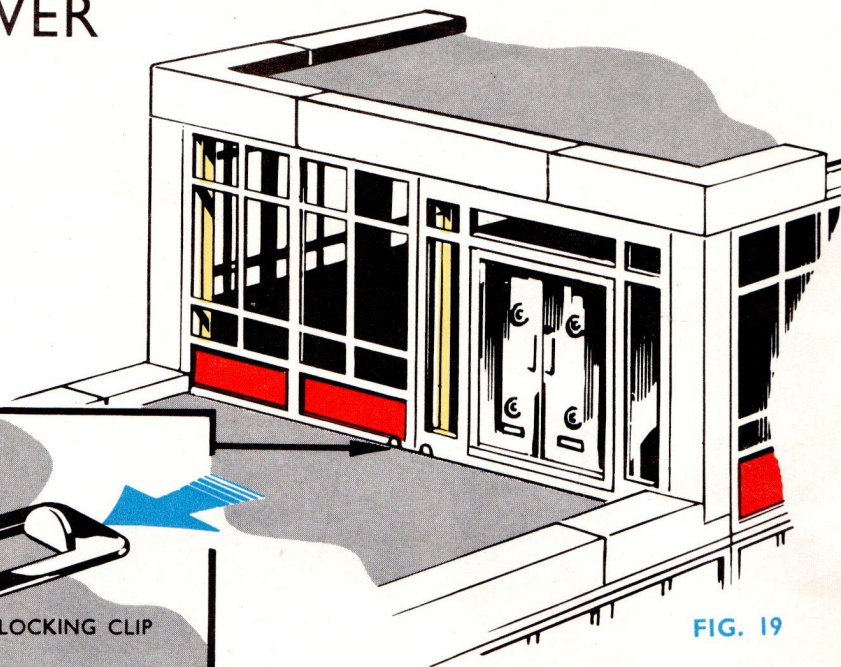
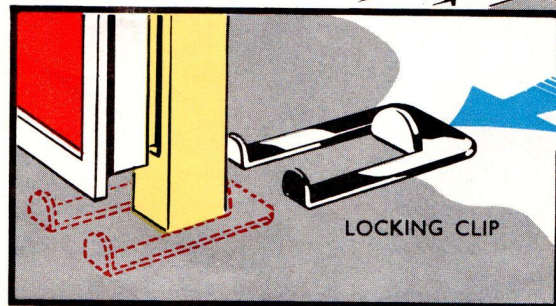
MODERN BUILDING CONSTRUCTION KITS

From here onwards more exciting structures may be built. It is important that in building these extensions, careful attention is paid to the order of assembly as advised in the following pages.

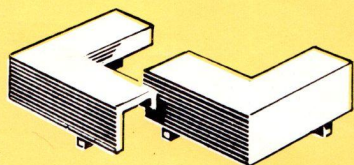
ADDING 'PENTHOUSE' or TOWER



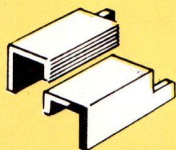
When width of Penthouse is more than one panel, as in Fig. 19, a clip is needed to secure the bottoms of the panels. Method of fixing this is shown in the illustration below.



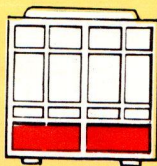
THESE ARE THE ACCESSORIES NEEDED



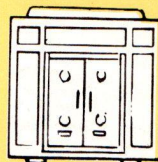
1 Pair ROOF CORNERS
Part No. A42/15



2 SHORT ROOF STRAIGHTS
Left hand Part No. A42/61
Right hand Part No. A42/62



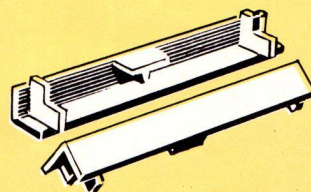
1 SHORT OFFICE WINDOW
Part No. A42/31A



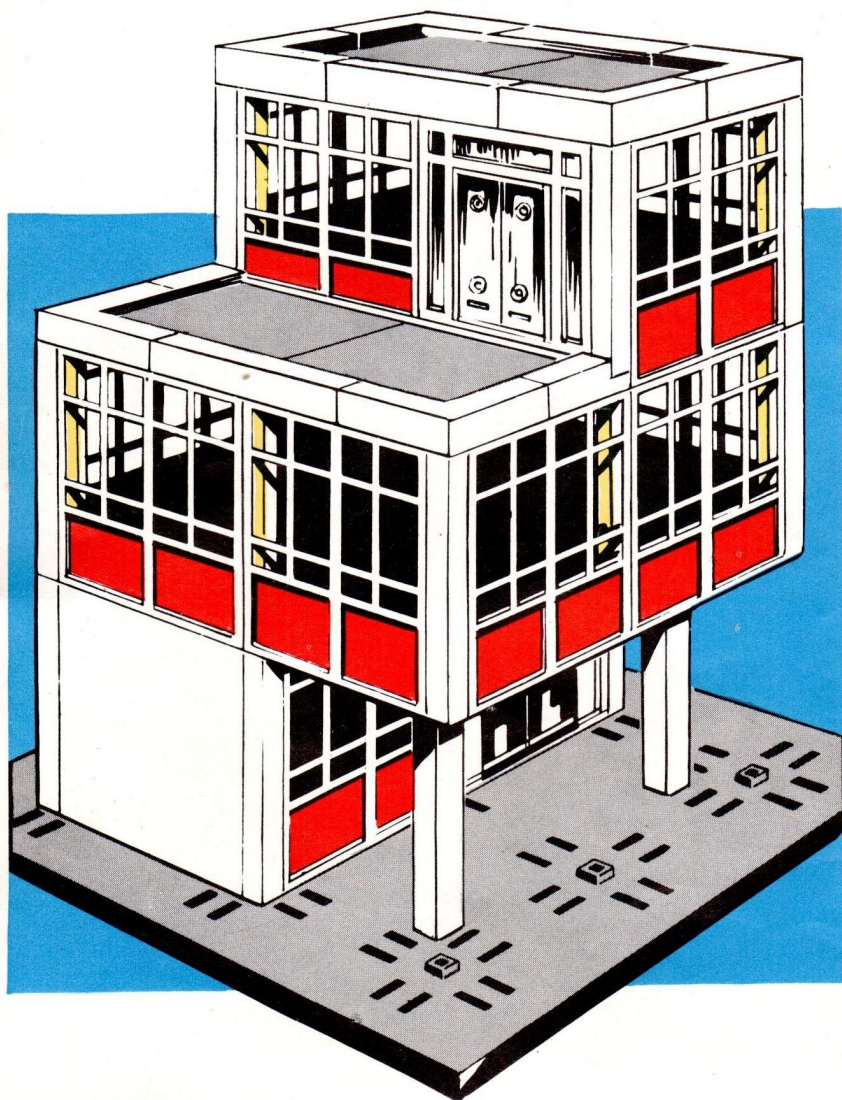
1 SHORT SWING DOOR SET
Part No. A42/55A



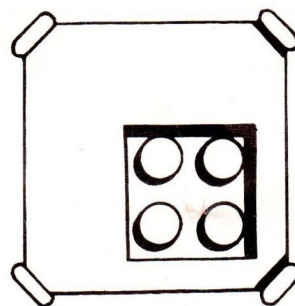
1 LOCKING CLIP
Part No. A42/87



2 SHORT VERTICAL CORNERS
Part No. A42/58



BUILDING WITH OVERHANG



Under view of floor support
showing alternative fixing
position for COLUMNS.

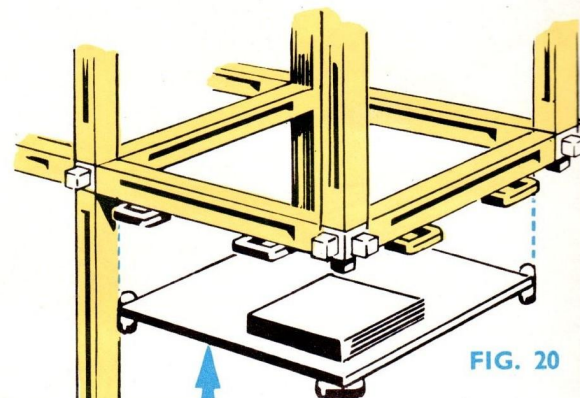
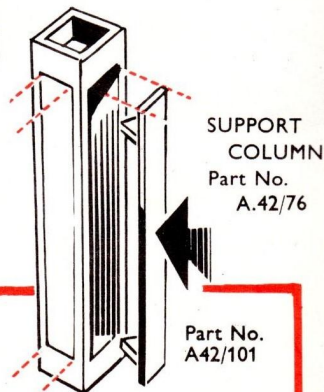


FIG. 20

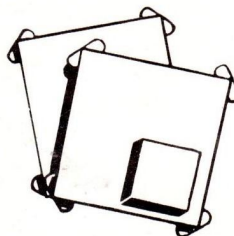
SUPPORT
FLOOR
(Single unit)
Part No.
A.42/80



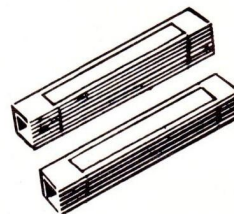
SUPPORT
COLUMN
Part No.
A.42/76

Part No.
A.42/101

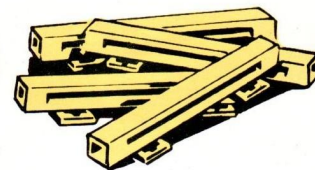
THESE ARE THE ACCESSORIES NEEDED



2 FLOOR SUPPORTS
Part No. A.42/80



2 SUPPORT COLUMNS
Part No. A.42/76



4 OVERHANG CONNECTOR
Part No. A.42/77 BEAMS

BUILDING WITH EXTENSION

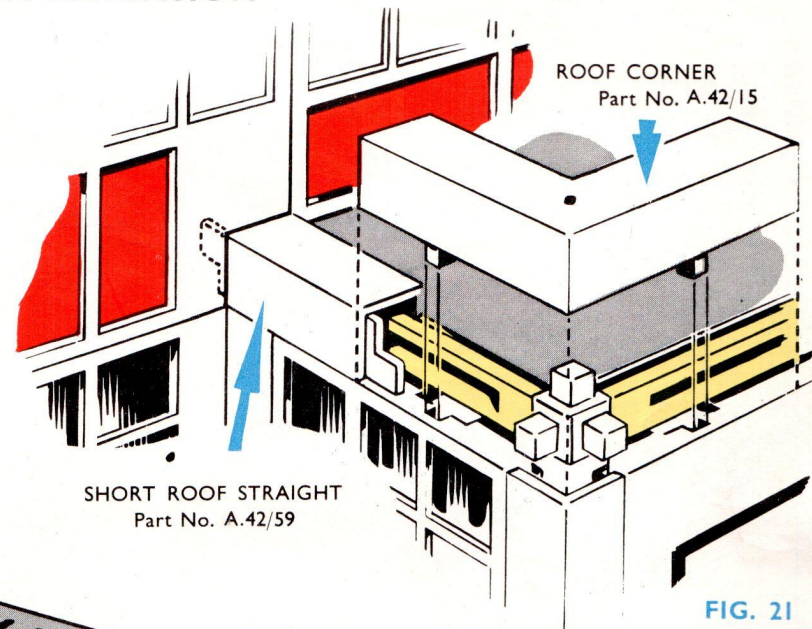
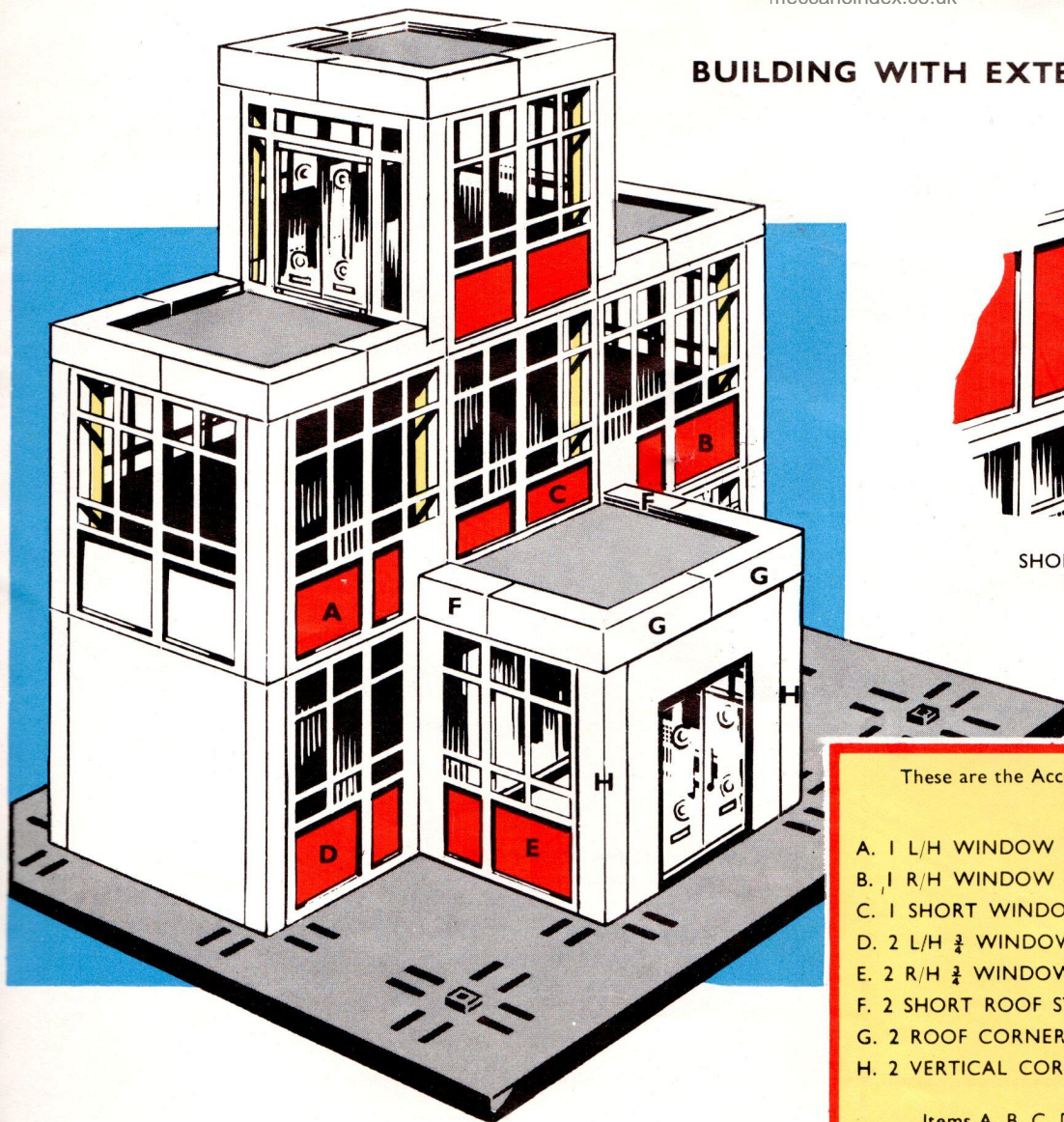
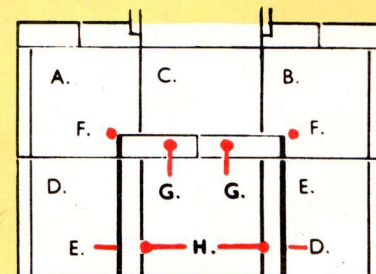


FIG. 21

These are the Accessories needed to build this extension:—

	Part No.
A. 1 L/H WINDOW	A42/45A
B. 1 R/H WINDOW	A42/46A
C. 1 SHORT WINDOW	A42/31A
D. 2 L/H $\frac{3}{4}$ WINDOWS	A42/21A
E. 2 R/H $\frac{3}{4}$ WINDOWS	A42/22A
F. 2 SHORT ROOF STRAIGHTS	A42/59
G. 2 ROOF CORNERS	A42/15
H. 2 VERTICAL CORNERS	A42/13



Items A. B. C. D. & E. are complete with 'glass' and coloured panels.

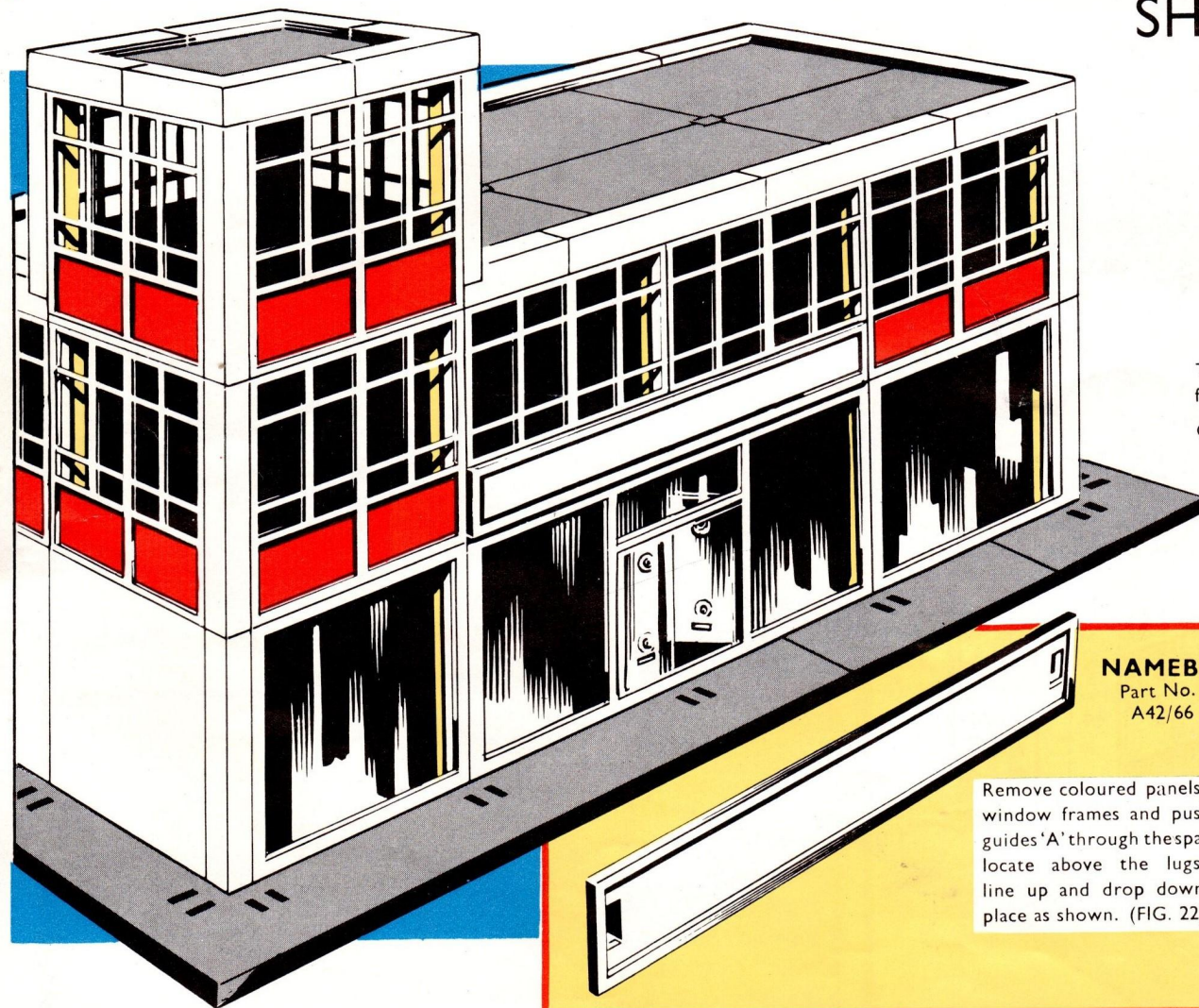
SHOWROOMS or SHOPS

Spacious premises suitable as Motor Showrooms, for 'Spot-on' cars and trade vehicles. Furniture stores, Supermarkets, Exhibition Halls and countless other purposes.

These are the accessories needed for Shopfront as illustrated.

Comprising:

- 1 GLASS DOUBLE UNIT SWING DOOR SET. Part No. A42/67A.
- 2 GLASS SINGLE UNIT SHOP WINDOW.
- 1 SHOP NAMEBOARD.
Part No. A42/66.



NAMEBOARD

Part No.
A42/66

Remove coloured panels from window frames and push the guides 'A' through the spaces to locate above the lugs 'B', line up and drop down into place as shown. (FIG. 22).

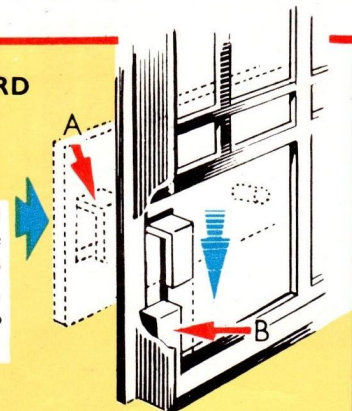


FIG 22

THE BUILDING ILLUSTRATED ABOVE REQUIRES: 1 9 HOLE BASE No. A42/3 and 2, 3 HOLE BASES No. A42/2.

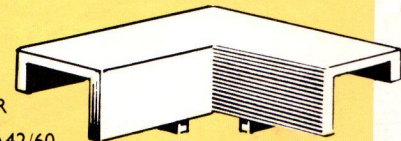
INSIDE
ROOF CORNER

INCREASING HEIGHT (BUILDING UPWARD FROM FLAT ROOF)



INSIDE
ROOF CORNER

Part No. A42/60



E

SHORT $\frac{3}{4}$ OFFICE WINDOW
(with 'glass' and panels).

LEFT HAND. Part No. A42/36

RIGHT HAND. Part No. A42/37.

LOCKING CLIP

KEY TO PLAIN PANEL VARIATIONS on 'A', 'B', 'C', and 'D'.

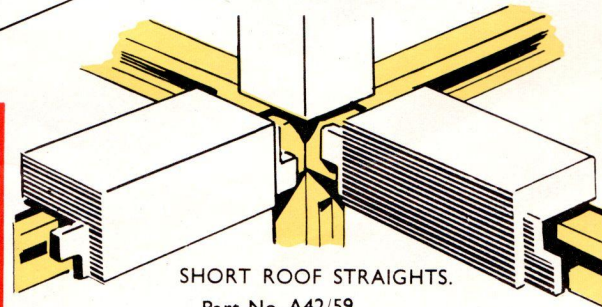
	LEFT HAND	RIGHT HAND	
A	ROUGHCAST	A42/25	A42/28
	BRICKWORK	A42/26	A42/29
	CONCRETE	A42/27	A42/30

	LEFT HAND	RIGHT HAND	
B	ROUGHCAST BRICKWORK CONCRETE	A42/39 A42/40 A42/41	A42/42 A42/43 A42/44

C	ROUGHCAST BRICKWORK CONCRETE	A42/4 A42/5 A42/6
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D	ROUGHCAST BRICKWORK CONCRETE	A42/33 A42/34 A42/35
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INSIDE CORNERS.



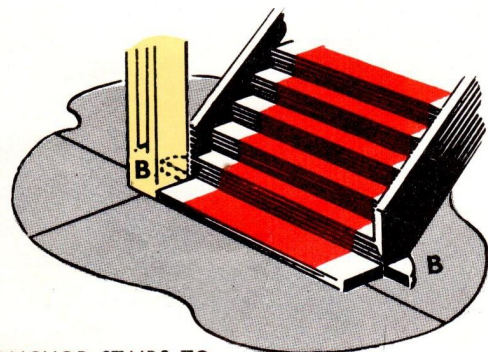
SHORT ROOF STRAIGHTS.
Part No. A42/59



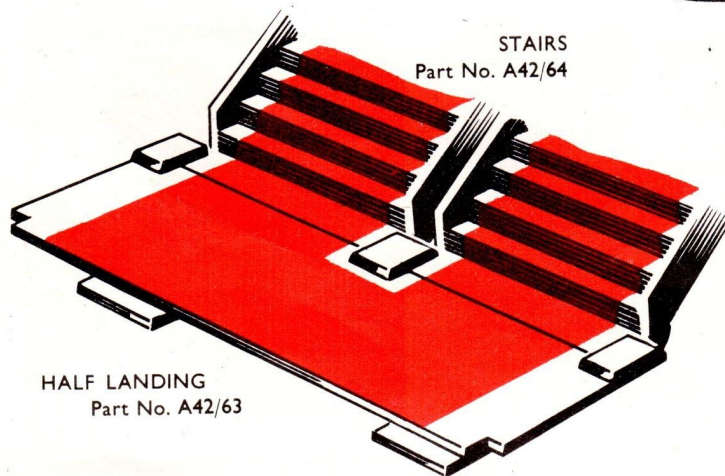
MULTI PURPOSE STAIRWAY KIT No. KA/42S.

Comprises:

2 FLIGHTS OF STAIRS. 1 HALF LANDING.
1 SET OF LOWER TREADS (For ground level).

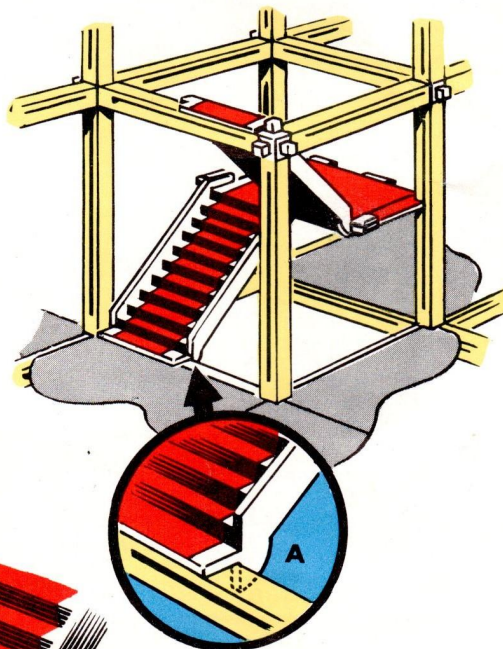


ANCHOR STAIRS TO
VERTICAL BEAM WITH LUG 'B'



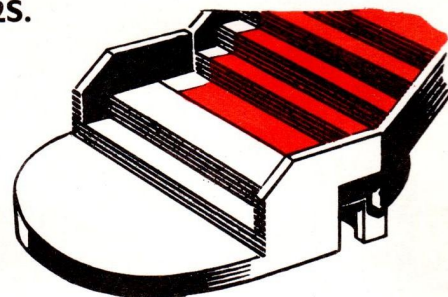
HALF LANDING
Part No. A42/63

STAIRS
Part No. A42/64



ANCHOR STAIRS TO HORIZONTAL BEAM
WITH LUG 'A'.

Illustrated here are but a few of the ways
in which the stairways may be incorporated
in the buildings.



LOWER 'TREAD UNIT' Part No.
A42/65

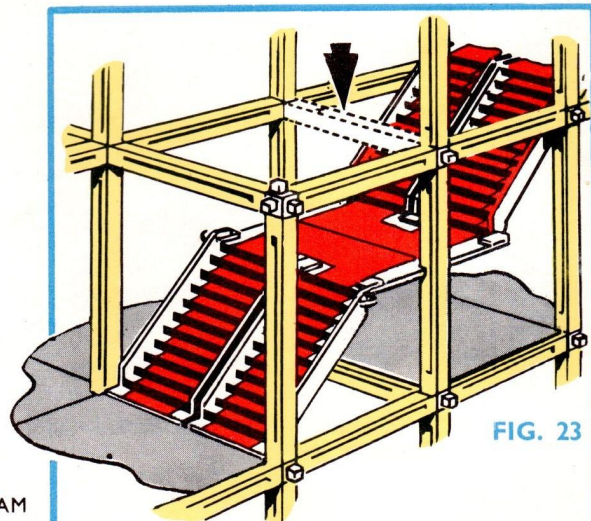


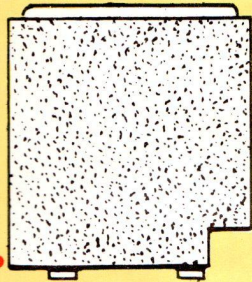
FIG. 23

When constructing double width
rise, the connector beam shown
by arrow above (FIG. 23) must be
removed to give 'headroom'.

SPARES and ACCESSORIES

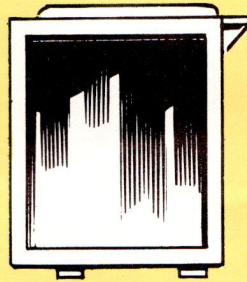
(Available only through your stockist)

ITEMS OTHER THAN THOSE ALREADY ILLUSTRATED AND DESCRIBED IN THE HANDBOOK



LEFT HAND PANEL

- ROUGHCAST A42/47
- BRICKWORK A42/48
- CONCRETE A42/49

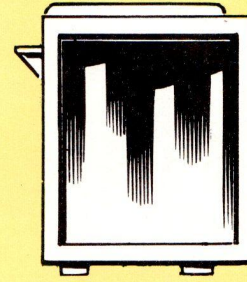


$\frac{3}{4}$ LEFT HAND

SHOP WINDOW
Part No. A24/73A
(with 'glass')

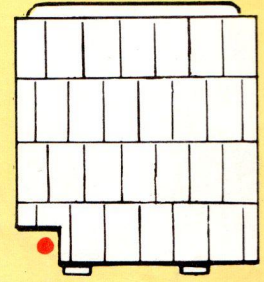


MODERN
BUILDING
EQUIPMENT



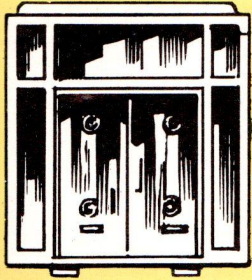
$\frac{3}{4}$ RIGHT HAND

SHOP WINDOW
Part No. A42/74A
(with 'glass')

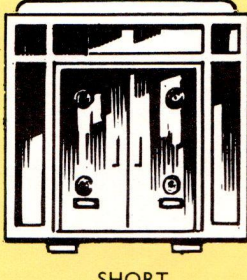


RIGHT HAND PANEL

- ROUGHCAST A42/50
- BRICKWORK A42/51
- CONCRETE A42/52



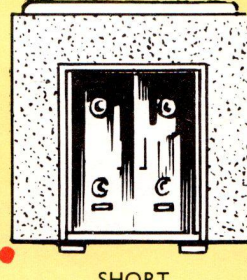
GLASS SWING DOOR SET
Part No. A42/53A



SHORT
GLASS SWING DOOR SET
Part No. A42/55A

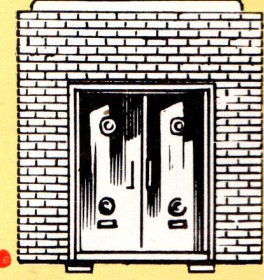


'GLASS' DOUBLE UNIT SHOP WINDOW
Part No. A42/69A
(Frame with 'glass' complete)



SHORT
PLAIN SWING DOOR SET

- ROUGHCAST A42/57A
- BRICKWORK A42/83A
- CONCRETE A42/84A



PLAIN SWING DOOR SET

- ROUGHCAST A42/10A
- BRICKWORK A42/81A
- CONCRETE A42/82A

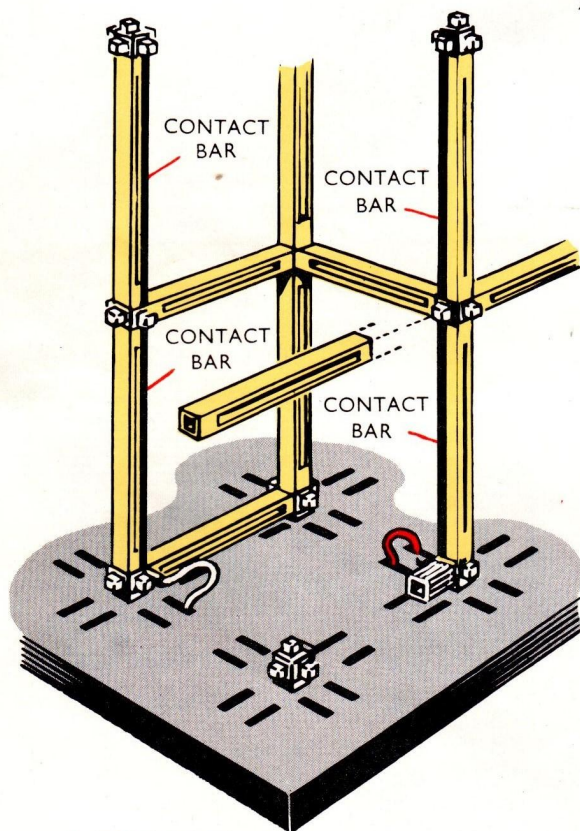


THIS RANGE OF ACCESSORIES WILL BE
ADDED TO FROM TIME TO TIME

LIGHTING SET. KIT No. KA/42.L

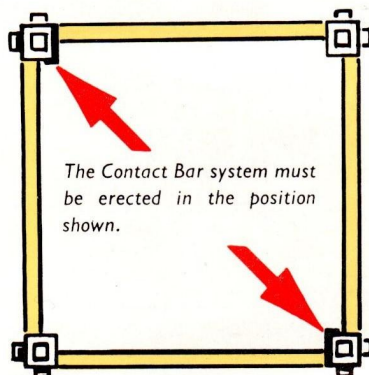
SET COMPRISING:—

- 2 FLOORS (with bulb holder).....Part No. A42/89
- 6 CONTACT BARS.....Part No. A42/92
- 2 LOCKING BLOCKS.....Part No. A42/93
- 2 LAMP GLASSES.....Part No. A42/94
- 2 LIGHTING LEADS (with eyelets)
- 2 3.5-VOLT BULBS



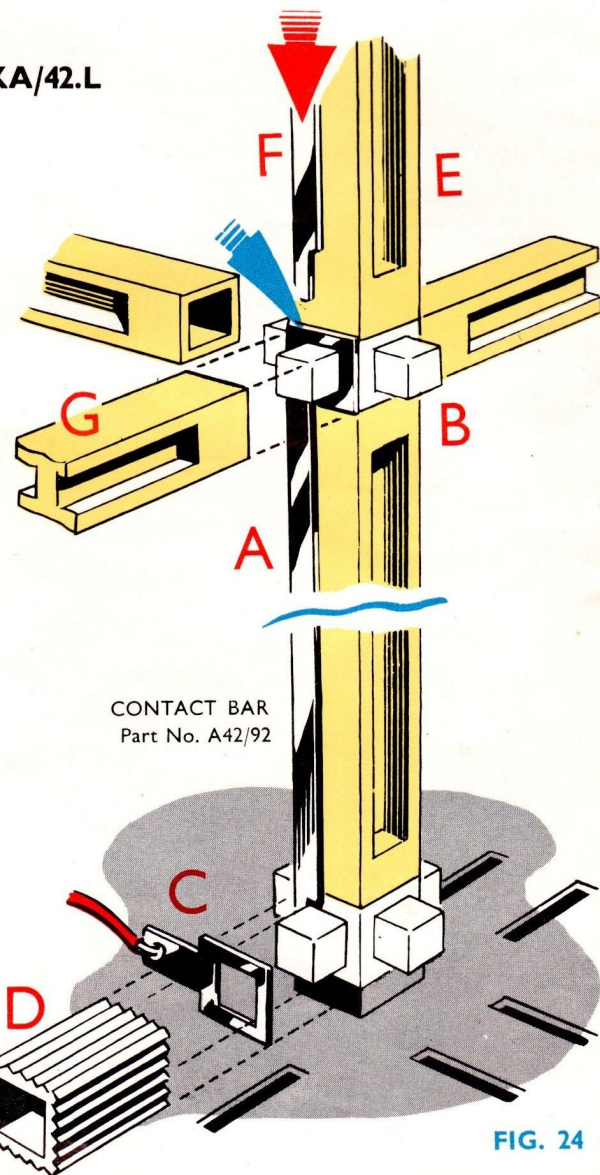
LIGHTING LEADS

The ends of the leads with the round eyelets may be passed through any convenient slots in the base plate and connected to the $4\frac{1}{2}$ volt Terminal Battery.



BUILDING IN LIGHTING SYSTEM

1. Erect Connector Beam with Connector Block 'B' fitted to top (Fig. 24).
2. Fit Contact Bar 'A' on to Block 'B' and secure bottom of Contact Bar with square eyelet 'C'. Push on Locking Block 'D' and secure.
3. Fit Connector Beam 'E' (with a Connector Block fitted to the top) on to Connector Block 'B' and fit the next Contact Bar 'F' in the same way, but with the bottom prong behind the square eyelet of the first Contact Bar to ensure good electrical contact.
4. Lock Contact Bars into place by pushing on Connector Beam 'G'.
5. Build up diagonally opposed assembly in the same way (see plan above).

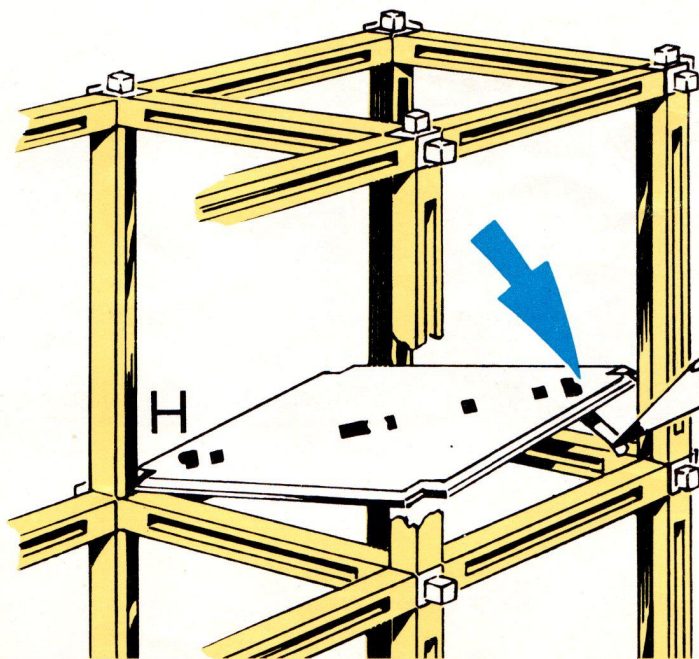


LOCKING BLOCK Part No. A42/93

FIG. 24



FLOORS OR CEILINGS



Care must be taken not to force the metal tongue too far back. Guide it into place gently with a pencil or matchstick or similar object.

IT MUST AT ALL TIMES MAKE FIRM CONTACT WITH THE CONTACT BAR.

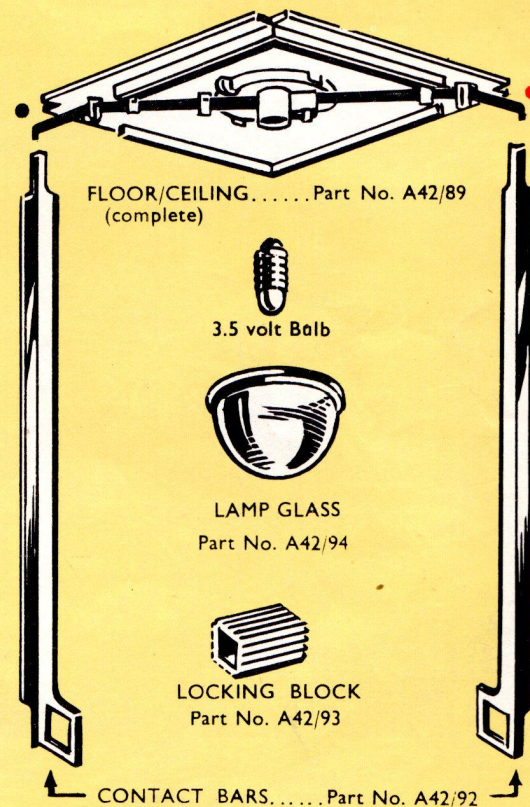
1. Screw 'Bulb' into holder or underside of Floor Unit and fit Lamp Glass.
2. Place corner 'H' of Floor Unit against Contact Bar attached to vertical beam (see illustration above) then guide metal tongue, under the opposite corner, into place and press down.

3. It is better to put the Floor Unit into position AFTER the framework of the building, with Contact Bars in place, has been completed.

To ensure a perfect lighting system make certain that:—The Bulb is screwed in tight; the metal tongues are making perfect contact with the Contact Bars

SPARES

(Available only through your stockist)



- Bottom Contact Strip... Part No. A42/95
- Side Contact Strip..... Part No. A42/96

Tri-ang

Regd Trade Mark

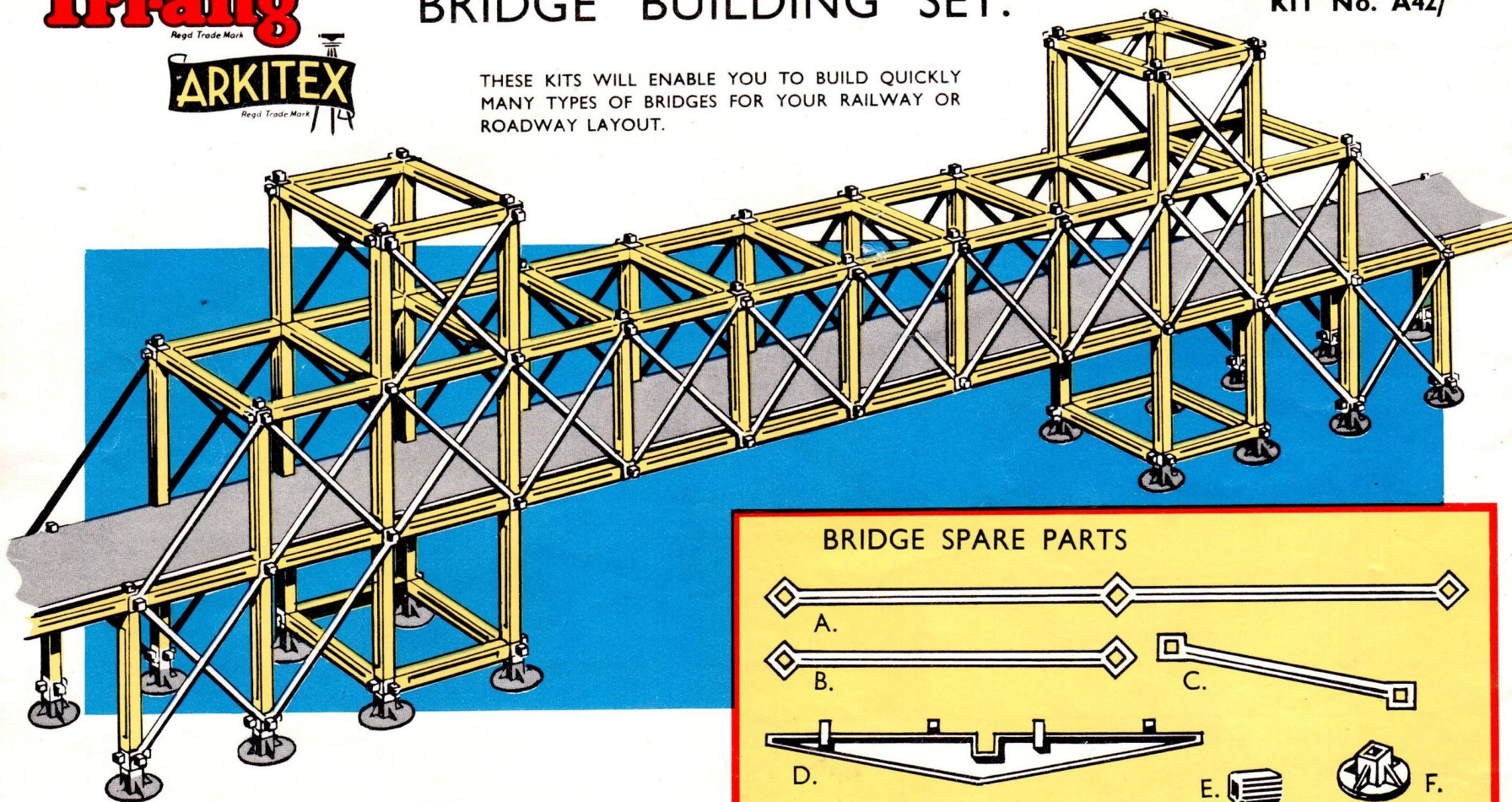
ARKITEX

Regd Trade Mark

BRIDGE BUILDING SET.

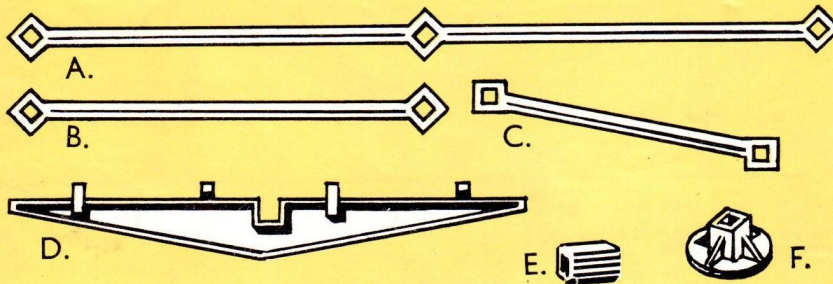
KIT No. A42/

THESE KITS WILL ENABLE YOU TO BUILD QUICKLY
MANY TYPES OF BRIDGES FOR YOUR RAILWAY OR
ROADWAY LAYOUT.



Basically the Bridge Building technique is the same as for buildings, etc. In addition to the familiar beams and blocks there is a range of Tie Bars (to strengthen the girderwork), Base Pads, Locking Blocks, Support Beams (for wider roads) and Roadway Units. The illustration above gives a clear idea of the general method of construction.

BRIDGE SPARE PARTS



- A. LONG TIE BAR
Part No. A42/99
- B. TIE BAR
Part No. A42/97

- C. SHORT TIE BAR
Part No. A42/98
- D. SUPPORT BEAM
Part No. A42/100

- E. LOCKING BLOCK
Part No. A42/93
- F. BRIDGE BASE PAD
Part No. A42/105

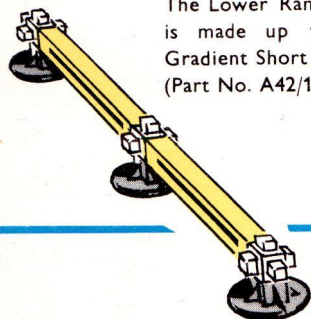


BRIDGE RAMPS

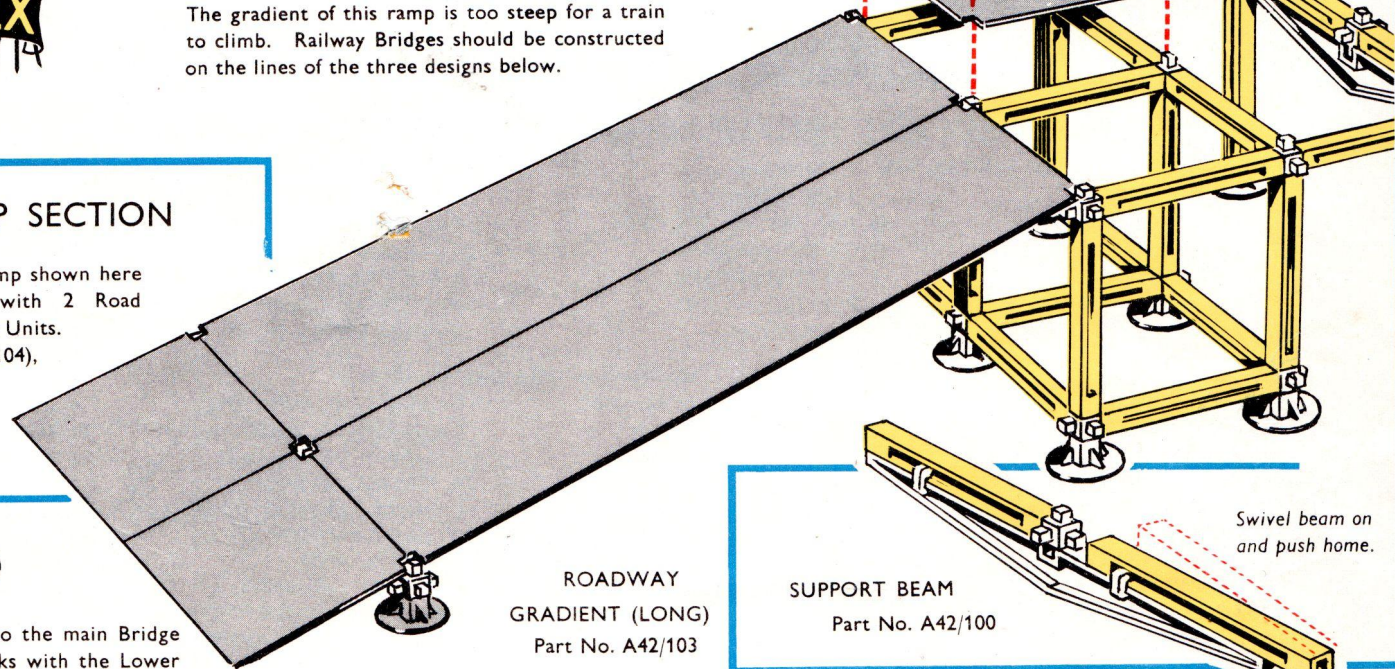
The gradient of this ramp is too steep for a train to climb. Railway Bridges should be constructed on the lines of the three designs below.

LOWER RAMP SECTION

The Lower Ramp shown here is made up with 2 Road Gradient Short Units. (Part No. A42/104),



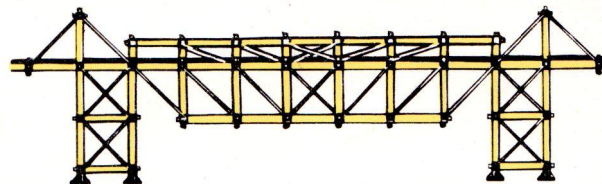
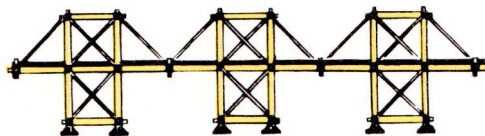
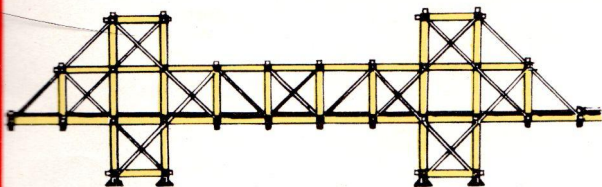
The top end of the ramp hooks on to the main Bridge structure and the lower end interlocks with the Lower Ramp and fits on to the assembled support (see Fig. 25).



ROADWAY
GRADIENT (LONG)
Part No. A42/103

SUPPORT BEAM
Part No. A42/100

Swivel beam on
and push home.



HERE ARE JUST THREE OF THE UNLIMITED RANGE OF BRIDGES THAT CAN BE BUILT WITH YOUR SET.



HANDBOOK & CATALOGUE

SETS & ACCESSORIES

EVERY SET PACKED IN AN ATTRACTIVE PRESENTATION BOX.

Set No. 1 in 1/42nd Scale Contains:-

- 1 9-HOLE BASE
- 72 CONNECTOR BEAMS
- 12 PLAIN PANELS
- 4 ROOF CORNERS
- 16 VERTICAL CORNERS
- 1 PLAIN SWING-DOOR SET

- 1 3-HOLE BASE
- 48 CONNECTOR BLOCKS
- 18 OFFICE WINDOWS
- 6 ROOF STRAIGHTS
- 18 PRINTED FLOORS
- 1 HANDBOOK

Set No. 2 in 1/42nd scale Contains:-

- 2 9-HOLE BASES
- 144 CONNECTOR BEAMS
- 24 PLAIN PANELS
- 8 ROOF CORNERS
- 32 VERTICAL CORNERS
- 2 PLAIN SWING-DOOR SETS

- 2 3-HOLE BASES
- 96 CONNECTOR BLOCKS
- 36 OFFICE WINDOWS
- 12 ROOF STRAIGHTS
- 36 PRINTED FLOORS
- 1 HANDBOOK

Set No. 3 in 1/42nd scale contains:-

- 2 9-HOLE BASES
- 3 3-HOLE BASES
- 180 CONNECTOR BEAMS
- 12 OVERHANG CONNECTOR BEAMS
- 120 CONNECTOR BLOCKS
- 12 PLAIN PANELS
- 18 OFFICE WINDOWS
- 4 L/H $\frac{3}{4}$ OFFICE WINDOWS
- 4 R/H $\frac{3}{4}$ OFFICE WINDOWS
- 2 SHORT L/H $\frac{3}{4}$ OFFICE WINDOWS
- 2 SHORT R/H $\frac{3}{4}$ OFFICE WINDOWS

- 4 SHORT OFFICE WINDOWS
- 1 L/H OFFICE WINDOW
- 1 R/H OFFICE WINDOW
- 4 GLASS SWING-DOOR SETS
- 4 GLASS SHORT SWING-DOOR SETS
- 1 GLASS DOUBLE SWING-DOOR SET
- 2 GLASS DOUBLE SHOP WINDOWS
- 2 GLASS SINGLE SHOP WINDOWS
- 1 HANDBOOK

- 2 L/H $\frac{3}{4}$ SHOP WINDOWS
- 2 R/H $\frac{3}{4}$ SHOP WINDOWS
- 2 SHOP NAME BOARDS
- 24 VERTICAL CORNERS
- 6 SHORT VERTICAL CORNERS
- 36 LEATHERBOARD ROOF/FLOOR UNITS
- 4 SQUARE COLUMNS
- 4 SINGLE UNIT SUPPORTS
- 16 ROOF EDGE STRAIGHTS
- 2 L/H ROOF STRAIGHTS
- 2 R/H ROOF STRAIGHTS

- 4 SHORT ROOF STRAIGHTS
- 12 ROOF EDGE CORNERS
- 2 INSIDE ROOF CORNERS
- 4 LOCKING CLIPS
- 2 STAIRWAY APPROACHES
- 4 STAIRS
- 2 HALF LANDINGS
- 2 CEILING/FLOOR UNITS
- 1 PAIR OF LIGHTING LEADS
- 6 CONTACT BARS
- 2 LOCKING BLOCKS
- 2 LAMP GLASSES

BRIDGE SET in 1/42nd scale contains:-

- 144 CONNECTOR BEAMS
- 96 CONNECTOR BLOCKS
- 36 LOCKING BLOCKS
- 48 TIE BARS

- 48 SHORT TIE BARS
- 12 LONG TIE BARS
- 12 ROADWAY UNITS
- 1 HANDBOOK

- 3 SUPPORT BEAMS
- 4 LONG ROAD GRADIENTS
- 4 SHORT ROAD GRADIENTS
- 18 BRIDGE BASE PADS

SPOT-ON MODELS LIMITED, CASTLEREAGH ROAD, BELFAST.

