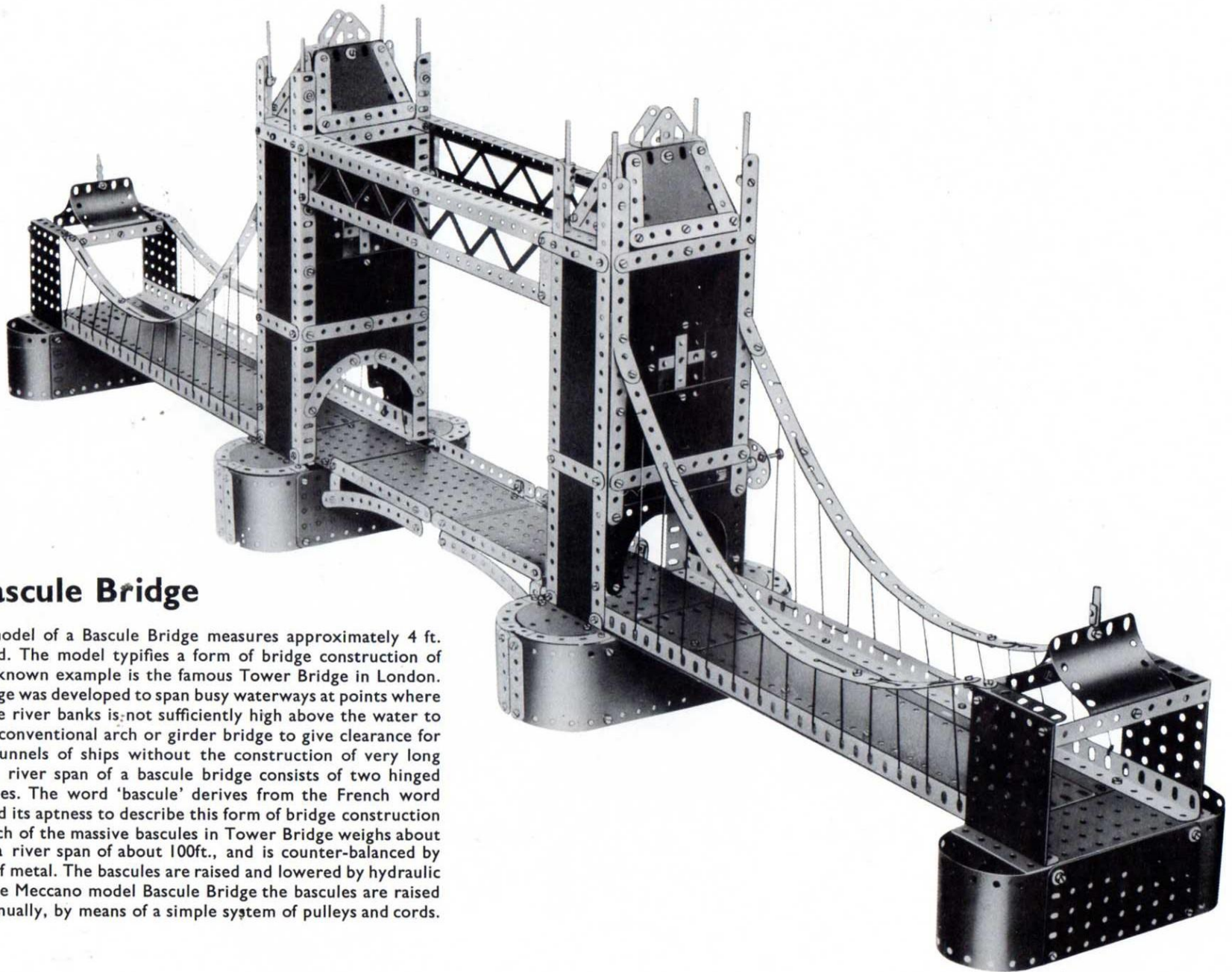


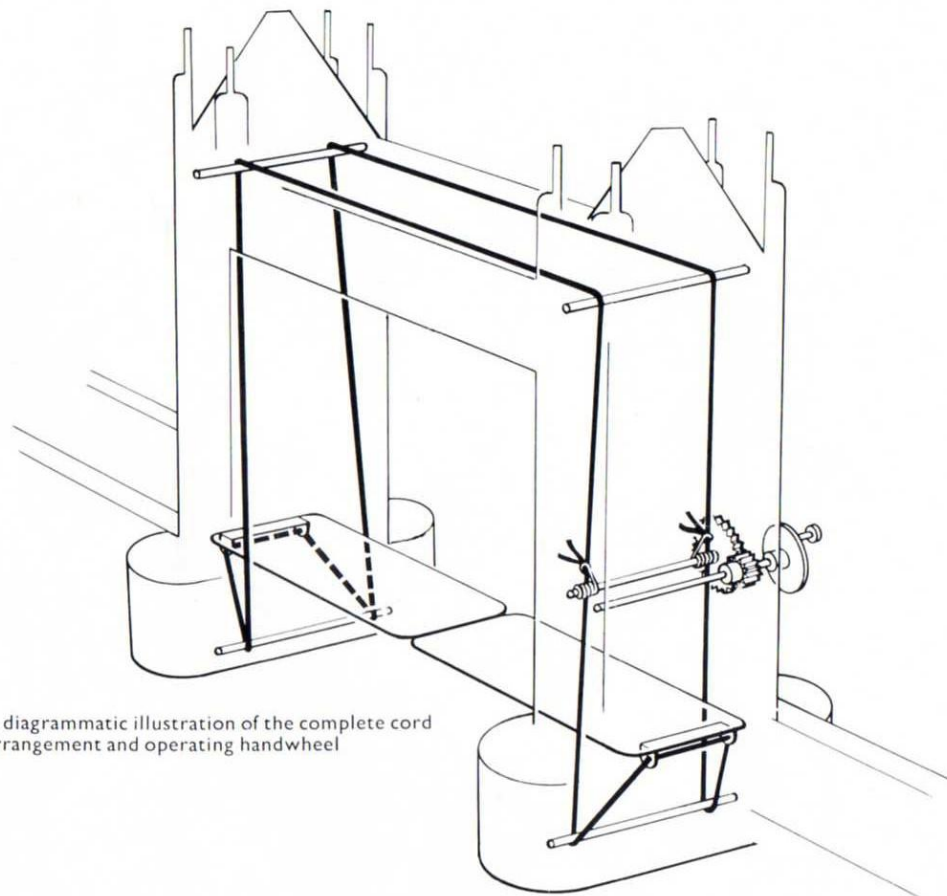
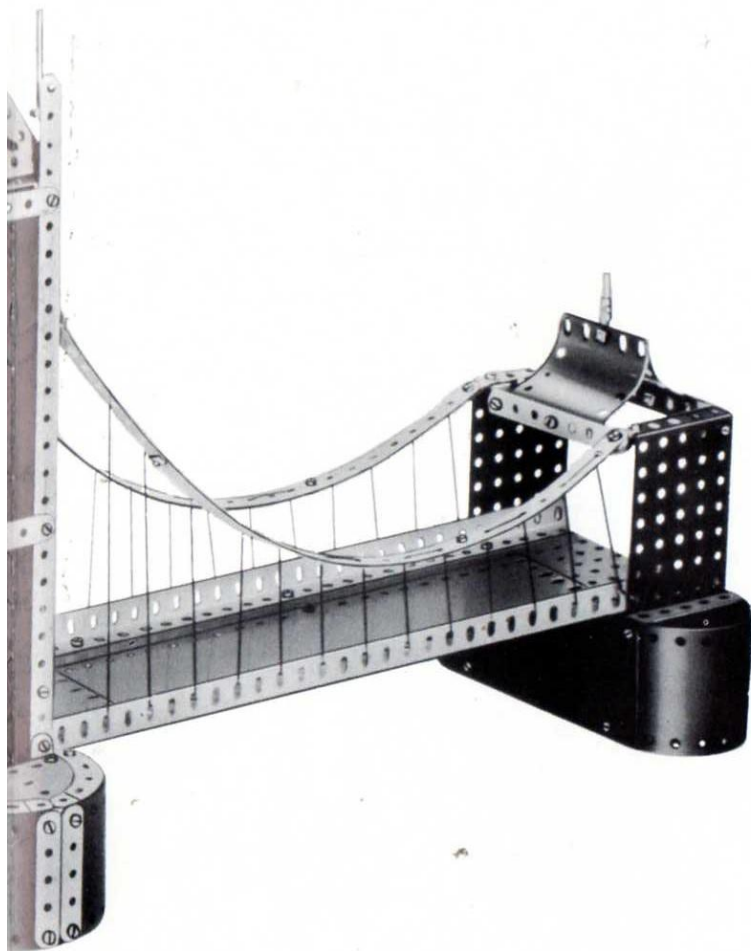
MECCANO.*Special Model Leaflet*

Leaflet No. 26

**10.26 Bascule Bridge**

This Meccano model of a Bascule Bridge measures approximately 4 ft. from end to end. The model typifies a form of bridge construction of which the best known example is the famous Tower Bridge in London. This type of bridge was developed to span busy waterways at points where the height of the river banks is not sufficiently high above the water to allow the more conventional arch or girder bridge to give clearance for the masts and funnels of ships without the construction of very long approaches. The river span of a bascule bridge consists of two hinged leaves or bascules. The word 'bascule' derives from the French word for 'see-saw', and its aptness to describe this form of bridge construction will be plain. Each of the massive bascules in Tower Bridge weighs about 1,200 tons, has a river span of about 100ft., and is counter-balanced by about 350 tons of metal. The bascules are raised and lowered by hydraulic machinery. In the Meccano model Bascule Bridge the bascules are raised and lowered manually, by means of a simple system of pulleys and cords.





A diagrammatic illustration of the complete cord arrangement and operating handwheel

How to use this leaflet

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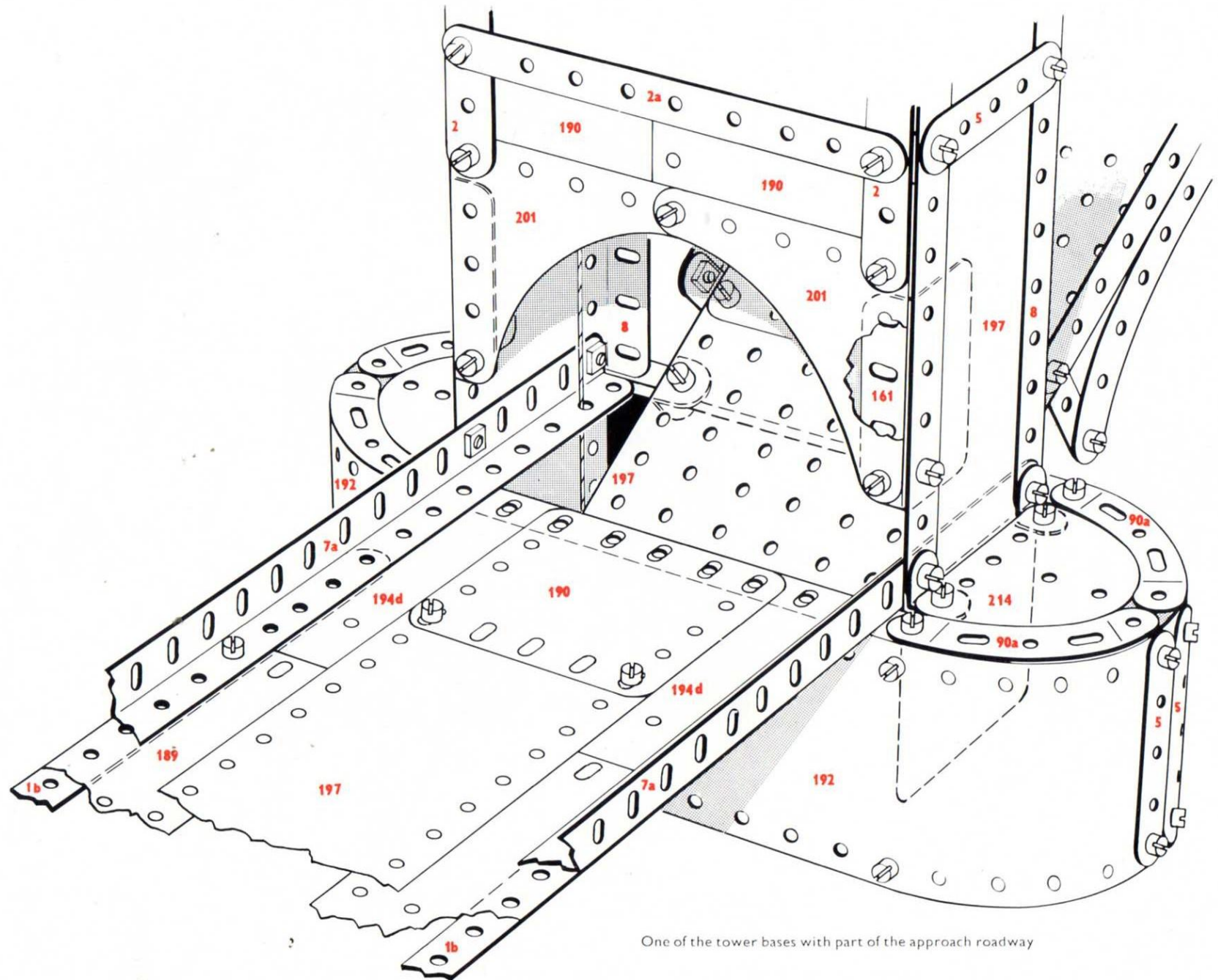
Before starting to build the model it is advisable to study all the illustrations carefully so as to get a good idea of its various sections. Points at which various units of the model are bolted together to form the complete structure are indicated in the drawings by RED DOTS or RED BOLTHEADS whenever possible.

The particular parts used in the assembly of the model can in most cases

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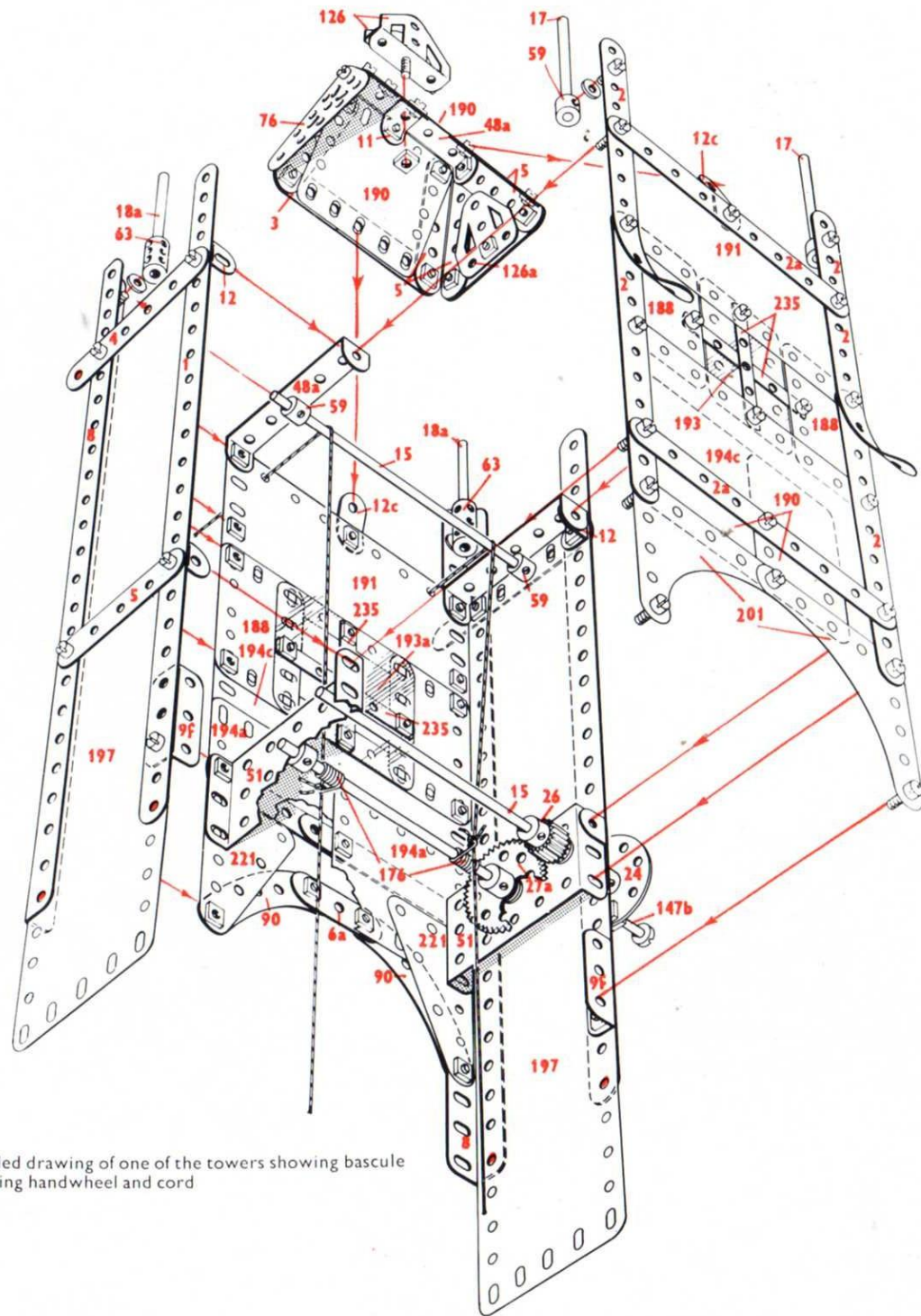
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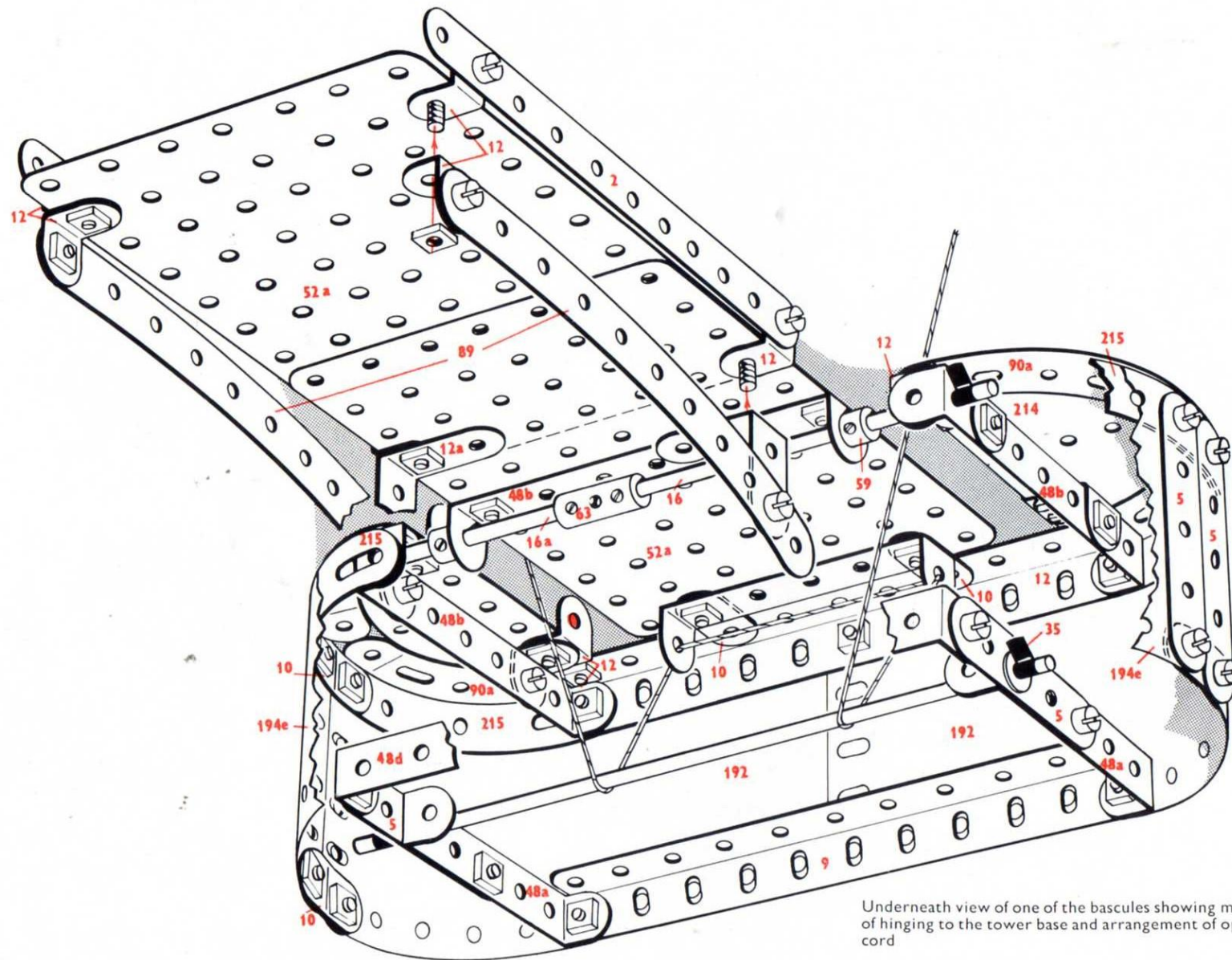


One of the tower bases with part of the approach roadway

14	-	1	2	-	52
2	-	1b	4	-	52d
14	-	2	4	-	53
6	-	2a	2	-	53a
6	-	3	11	-	59
8	-	4	6	-	63
32	-	5	2	-	70
4	-	6	2	-	76
2	-	6a	4	-	89
4	-	7a	4	-	90
8	-	8	8	-	90a
4	-	9	2	-	99
2	-	9f	6	-	111c
12	-	10	4	-	125
2	-	11	4	-	126
30	-	12	2	-	126a
4	-	12a	1	-	147b
2	-	12b	1	-	154a
8	-	12c	1	-	154b
2	-	14	2	-	161
2	-	15	2	-	165
1	-	15a	2	-	176
1	-	15b	8	-	188
2	-	16	6	-	189
2	-	16a	9	-	190
4	-	17	4	-	191
4	-	18a	8	-	192
2	-	18b	2	-	193
1	-	24	2	-	193a
1	-	26	1	-	194
1	-	27a	2	-	194a
9	-	35	4	-	194c
331	-	37a	4	-	194d
321	-	37b	4	-	194e
25	-	38	6	-	197
2	-	40	4	-	200
4	-	46	4	-	201
2	-	48	2	-	212
8	-	48a	4	-	214
6	-	48b	8	-	215
2	-	48c	4	-	221
2	-	48d	6	-	235
2	-	51	2	-	235a

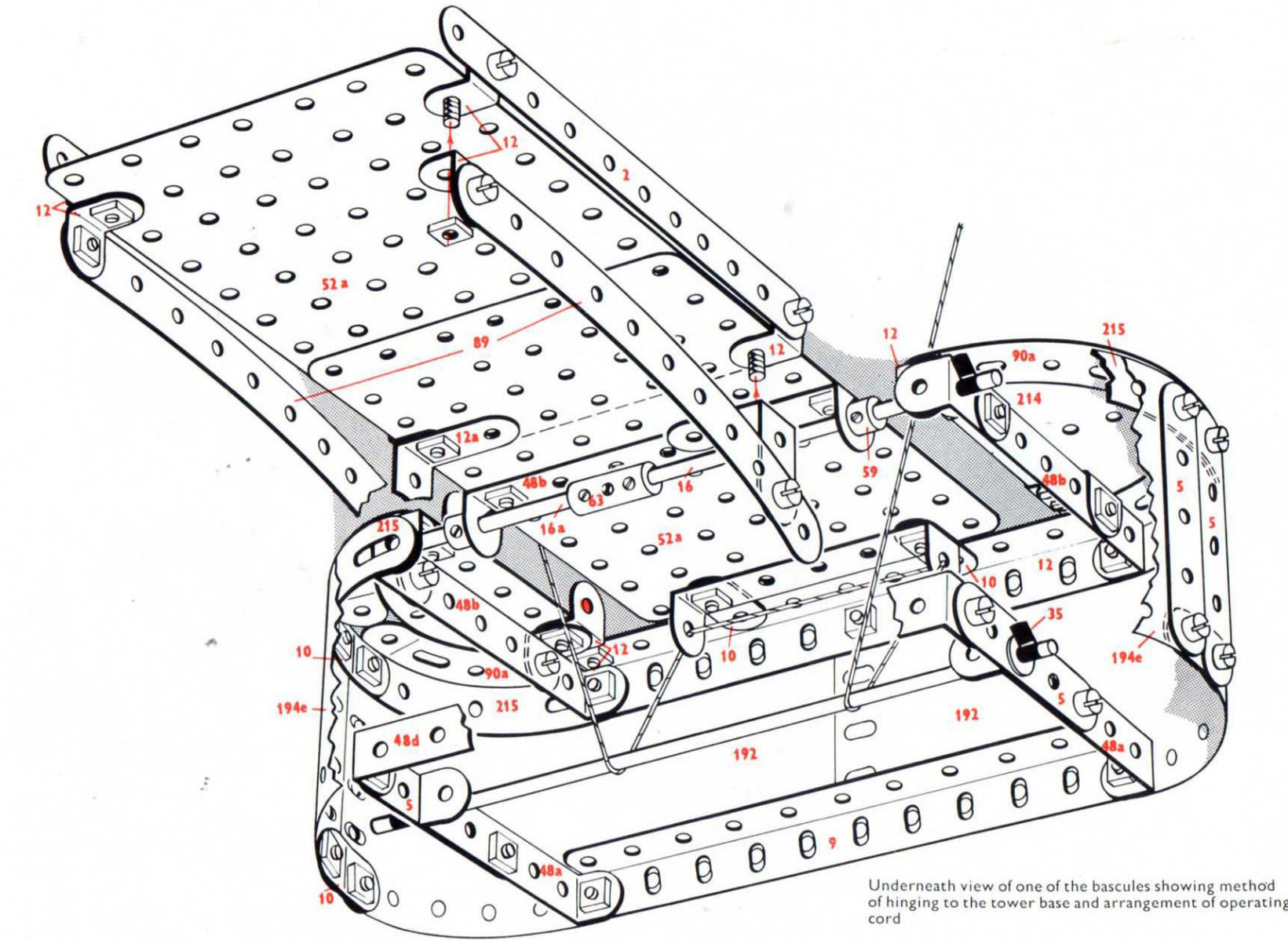
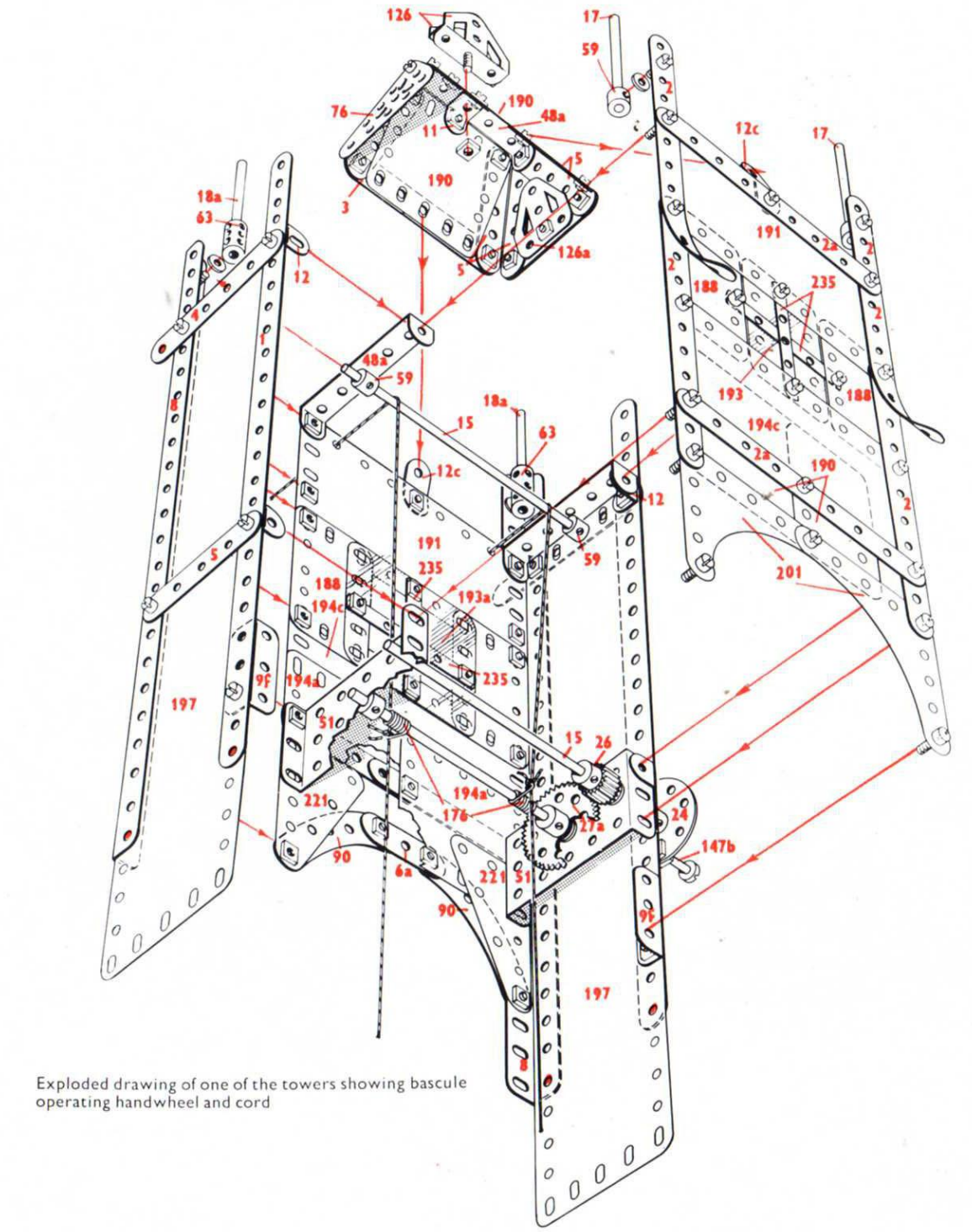


Exploded drawing of one of the towers showing bascule operating handwheel and cord



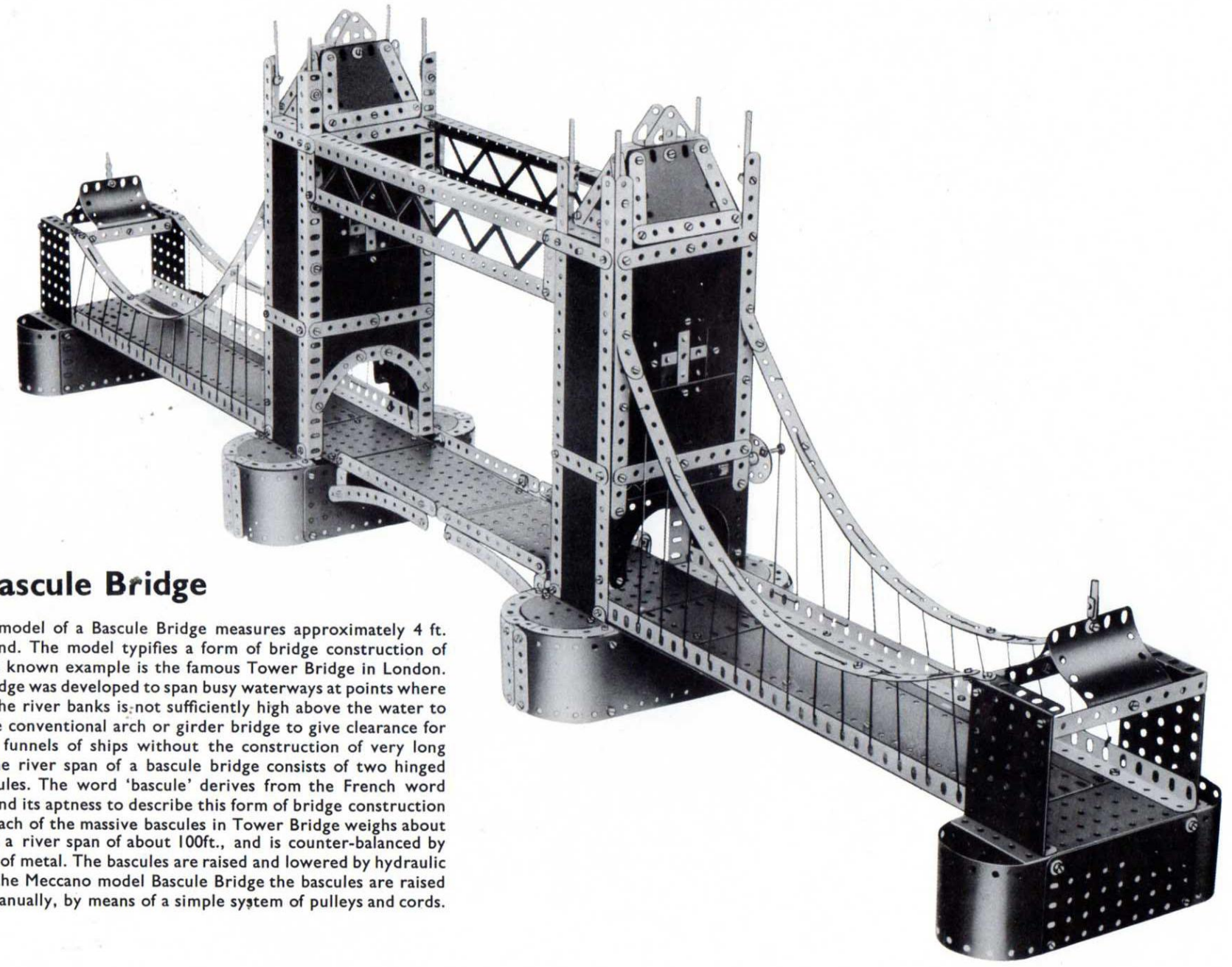
Underneath view of one of the bascules showing method of hinging to the tower base and arrangement of operating cord

14	-	1	2	-	52
2	-	1b	4	-	52d
14	-	2	4	-	53
6	-	2a	2	-	53a
6	-	3	11	-	59
8	-	4	6	-	63
32	-	5	2	-	70
4	-	6	2	-	76
2	-	6a	4	-	89
4	-	7a	4	-	90
8	-	8	8	-	90a
4	-	9	2	-	99
2	-	9f	6	-	111c
12	-	10	4	-	125
2	-	11	4	-	126
30	-	12	2	-	126a
4	-	12a	1	-	147b
2	-	12b	1	-	154a
8	-	12c	1	-	154b
2	-	14	2	-	161
2	-	15	2	-	165
1	-	15a	2	-	176
1	-	15b	8	-	188
2	-	16	6	-	189
2	-	16a	9	-	190
4	-	17	4	-	191
4	-	18a	8	-	192
2	-	18b	2	-	193
1	-	24	2	-	193a
1	-	26	1	-	194
1	-	27a	2	-	194a
9	-	35	4	-	194c
331	-	37a	4	-	194d
321	-	37b	4	-	194e
25	-	38	6	-	197
2	-	40	4	-	200
4	-	46	4	-	201
2	-	48	2	-	212
8	-	48a	4	-	214
6	-	48b	8	-	215
2	-	48c	4	-	221
2	-	48d	6	-	235
2	-	51	2	-	235a



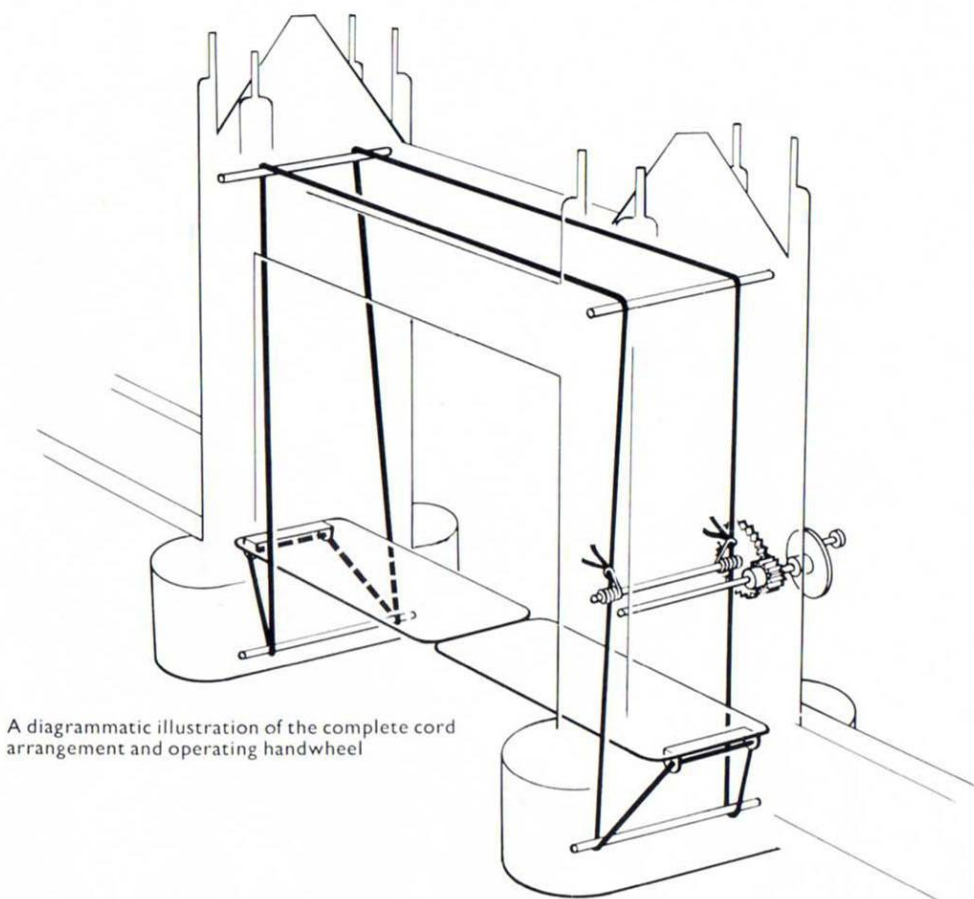
MECCANO. Special Model Leaflet

Leaflet No. 26



10.26 Bascule Bridge

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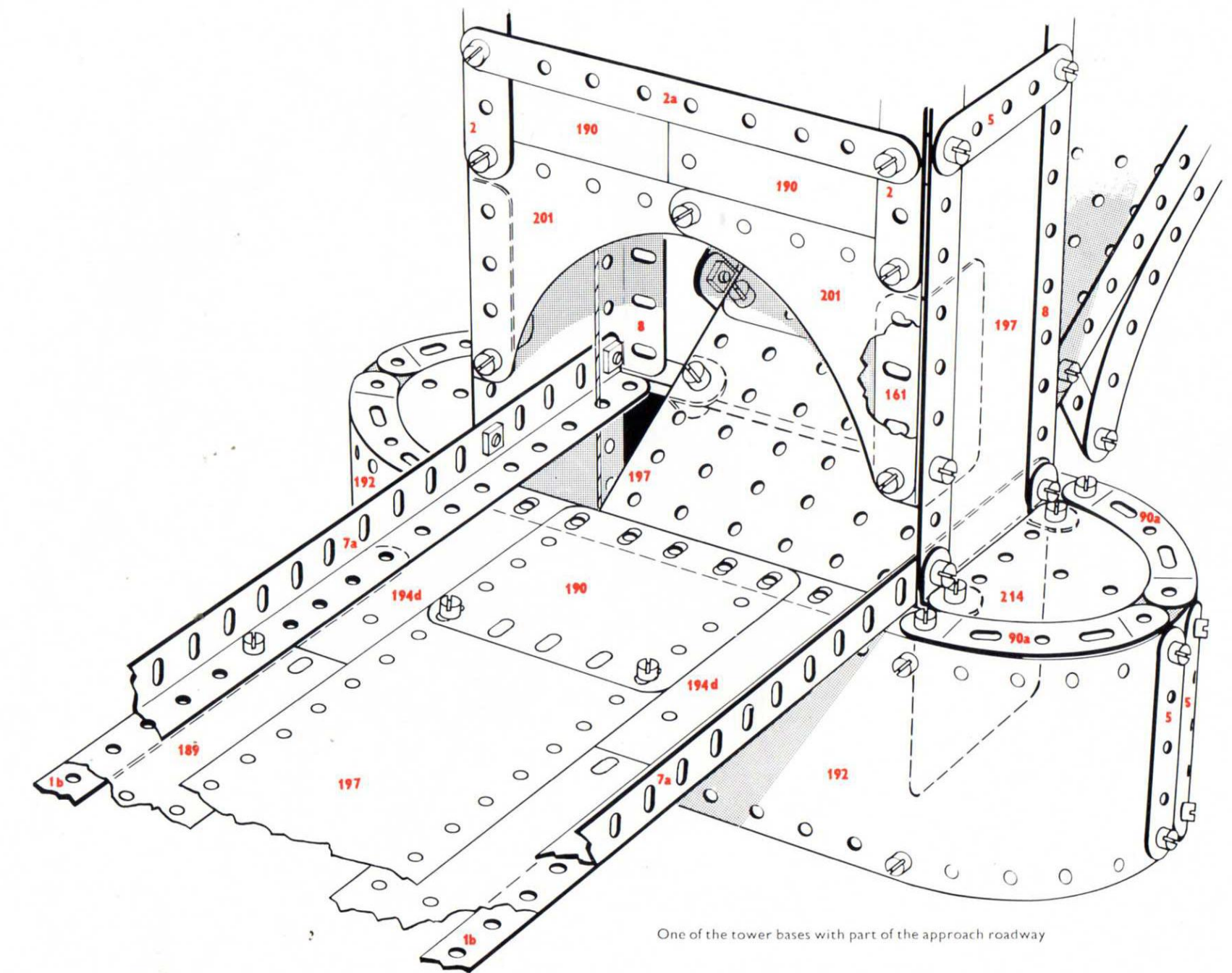


A diagrammatic illustration of the complete cord arrangement and operating handwheel

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