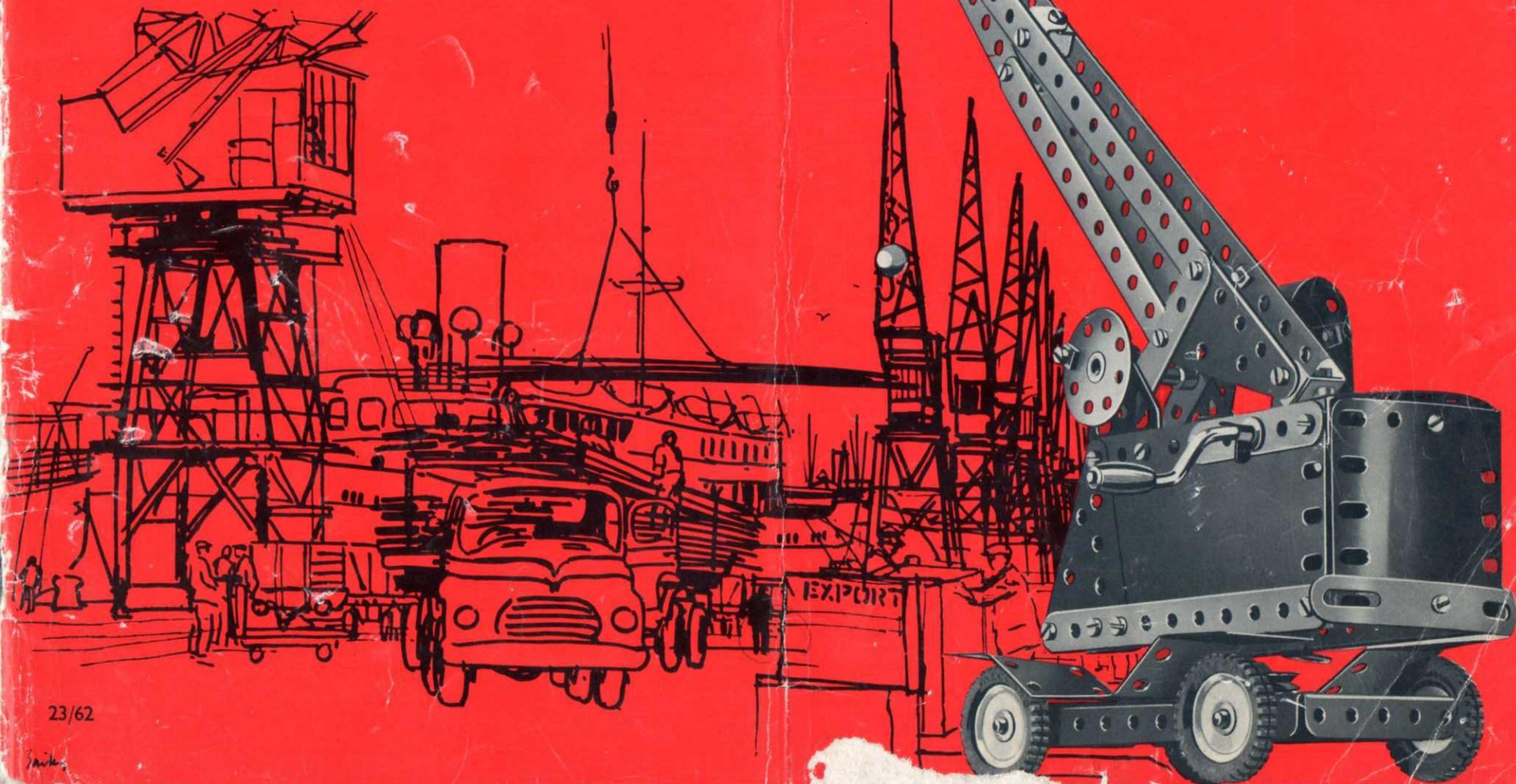


MECCANO®

Book of models
for outfits: **2-3**

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Welcome to Meccanoland

Now to Begin the Fun!

We ask you to do us a special favour by reading carefully everything on this page and back cover before starting to build your first model.

We know you will be anxious to build the biggest and most attractive models right away, but that is the worst mistake you can make. Please take our advice and start with one of the more simple models. You will find one of these very easy to put together and then you can go on to the more elaborate models.

Get to Know Your Meccano

On opening your Outfit study the parts carefully. Then turn to the back cover of this Book. There you will find pictures of the parts, together with their names and part numbers.

The parts used in the assembly of models shown in this Book usually can be identified simply by looking at the illustrations, but where the identity of a part may not be quite clear, its part number is printed in the model illustrations in red.

To help you further, each model is accompanied by a list of all the parts required to build it. In this list, the catalogue numbers of the parts are printed in red and the quantity of each part in black.

Some simple assemblies of parts are used time and time again in all kinds of models. These are called 'Basic Meccano Constructions' and some of them are shown on the inside back cover of this Book. Each of these assemblies has a special identity code mark, such as BC1, BC2, etc. When these methods of construction are used in a model they are indicated in the drawings by their code mark. For example, when you see BC1 in an illustration you will know that the construction of that section of the model is similar to BC1 shown on the inside back cover.

Some models are most easily illustrated and constructed in separate units. The points at which these units are bolted together to form the complete model are indicated in the drawings by red dots.

Some Meccano parts, such as Strips, are available in several different sizes. The holes in these parts are exactly $\frac{1}{2}$ " apart, so you can tell the length of any Strip simply by counting the number of holes in it. At the foot of the back cover there is a printed scale for measuring parts such as Rods, diameters of Pulleys, etc.

Some of the models in this Book are fitted with a Meccano Motor. In these models the particular type of Motor is indicated on the drawings by one of the following code marks: M1 = Meccano Magic Motor; M2 = Meccano No. 1 Clockwork Motor; M3 = Meccano Electric Motor.

Please note that Motors are not included in the Outfits, but are obtainable separately from your Meccano dealer.

How to Build up Your Outfit

Meccano is available in 11 different Outfits, numbered 0 to 10. Each Outfit can be converted into the next larger by the addition of an Accessory Outfit. If you start off with an Outfit No. 0 you can, when you wish, convert it into an Outfit No. 1 by adding Accessory Outfit No. 0A. If you start with an Outfit No. 1 you can convert it into an Outfit No. 2 by adding Accessory Outfit No. 1A, and so on.

In addition you can always buy any of the Meccano parts separately. Ask your dealer for an illustrated price list, or write direct to Meccano Ltd, Information Service, Binns Road, Liverpool, 13.

Contents of Meccano Outfits Nos. 2 and 3

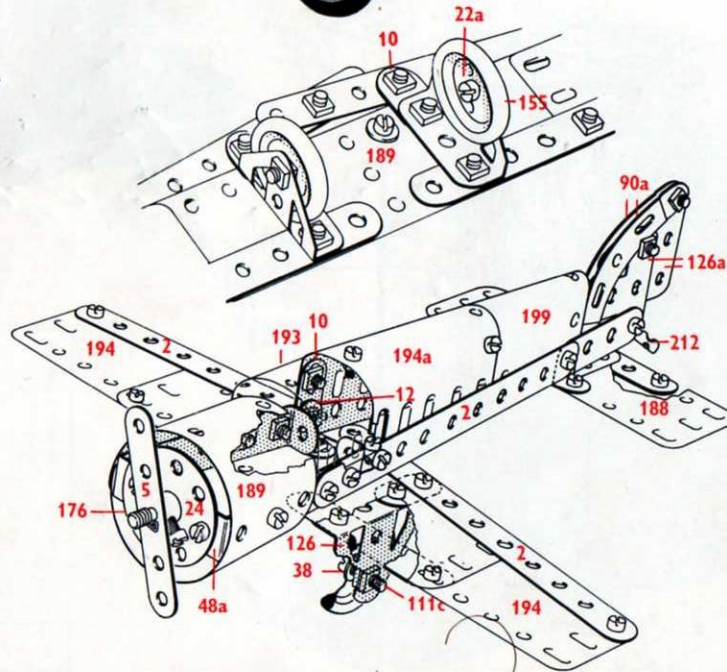
Part No.	Outfit	Part No.	Outfit
	2 3		2 3
1	12 $\frac{1}{2}$ " Perforated Strip	90a	Curved Strip, Stepped, 2 $\frac{1}{2}$ "
2	5 $\frac{1}{2}$ " Perforated Strip	111c	Bolt, $\frac{3}{8}$ " long
5	2 $\frac{1}{2}$ " Perforated Strip	125	Reversed Angle Bracket, $\frac{1}{2}$ "
10	Fishplate	126	Trunnion
11	Double Bracket	126a	Flat Trunnion
12	Angle Bracket, $\frac{1}{2}$ " \times $\frac{1}{2}$ "	142c	Motor Tyre (to fit 1" Pulley)
15b	Axle Rod, 4"	155	Rubber Ring (for 1" Pulley)
16	Axle Rod, 3 $\frac{1}{2}$ "	176	Anchoring Spring for Cord
17	Axle Rod, 2"	186	Driving Band, 2 $\frac{1}{2}$ " light
18a	Axle Rod, 1 $\frac{1}{2}$ "	188	Flexible Plate, 2 $\frac{1}{2}$ " \times 1 $\frac{1}{2}$ "
18b	Axle Rod, 1"	189	Flexible Plate, 5 $\frac{1}{2}$ " \times 1 $\frac{1}{2}$ "
19g	Crank Handle, with grip, 3 $\frac{1}{2}$ "	190	Flexible Plate, 2 $\frac{1}{2}$ " \times 2 $\frac{1}{2}$ "
19s	Crank Handle, without grip, 3 $\frac{1}{2}$ "	191	Flexible Plate, 4 $\frac{1}{2}$ " \times 2 $\frac{1}{2}$ "
20a	Pulley, 2" dia.	192	Flexible Plate, 5 $\frac{1}{2}$ " \times 2 $\frac{1}{2}$ "
22	Pulley, 1" dia., with boss	193	Plastic Plate, Transparent, 2 $\frac{1}{2}$ " \times 1 $\frac{1}{2}$ "
22a	Pulley, 1" dia., without boss		
23	Pulley, $\frac{1}{2}$ " dia., without boss	194	Plastic Plate, Red, 2 $\frac{1}{2}$ " \times 1 $\frac{1}{2}$ "
24	Bush Wheel, 1 $\frac{3}{8}$ " dia., 8 holes	194a	Plastic Plate, Red, 2 $\frac{1}{2}$ " \times 2 $\frac{1}{2}$ "
34	Spanner	199	Curved Plate, U-Section, $\frac{3}{2}$ " radius
35	Spring Clip		
36	Screwdriver	200	Curved Plate, 1 $\frac{1}{16}$ " radius
37a	Nut	212	Rod and Strip Connector
37b	Bolt, $\frac{7}{32}$ "	213	Rod Connector
38	Washer	214	Semi-Circular Plate, 2 $\frac{1}{2}$ "
38d	Washer, $\frac{3}{4}$ " dia.	215	Formed Slotted Strip, 3"
40	Hank of Cord	221	Triangular Flexible Plate, 2 $\frac{1}{2}$ " \times 1 $\frac{1}{2}$ "
48a	Double Angle Strip, 2 $\frac{1}{2}$ " \times $\frac{1}{2}$ "		
52	Flanged Plate, 5 $\frac{1}{2}$ " \times 2 $\frac{1}{2}$ "		
57c	Loaded Hook, Small		
			Book of Instructions

2.1 Monoplane



2.1

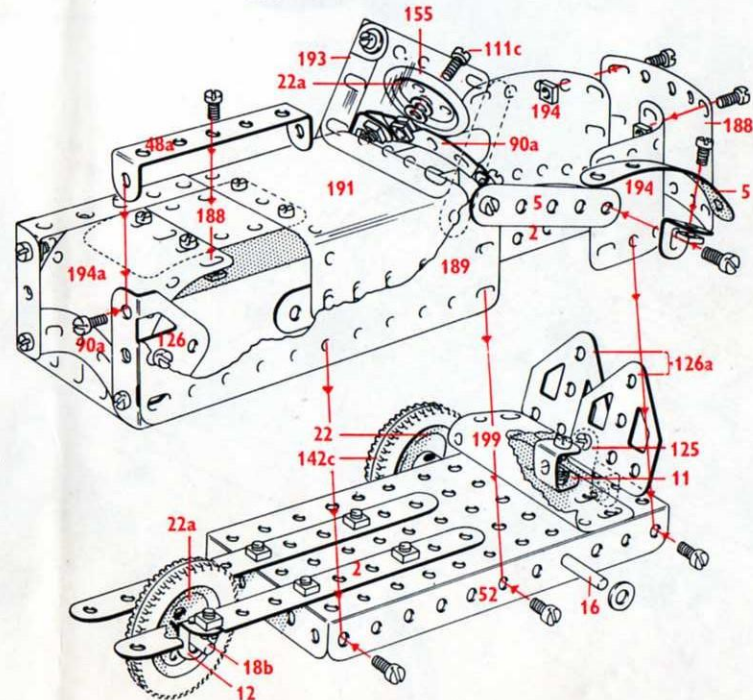
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4	-	12
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2	-	22a
1	-	24
41	-	37a
37	-	37b
6	-	38
2	-	48a
2	-	111c
2	-	126
2	-	126a
2	-	155
1	-	176
2	-	188
2	-	189
1	-	193
2	-	194
1	-	194a
1	-	199
1	-	212



2.2 3-Wheel Sports Car



2.2



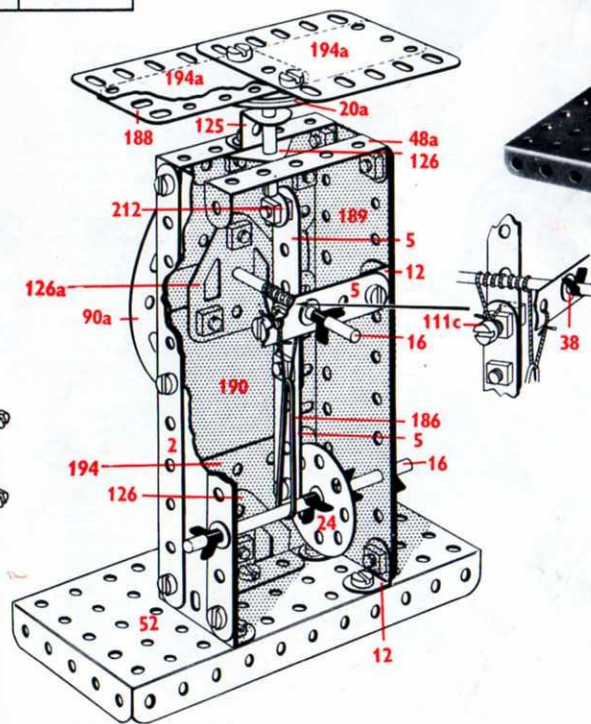
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1	-	11
8	-	12
1	-	16
1	-	18b
2	-	22
2	-	22a
2	-	35
50	-	37a
48	-	37b
10	-	38
2	-	48a
1	-	52
2	-	90a
1	-	111c
1	-	125
2	-	126
2	-	126a
3	-	142c
1	-	155
2	-	188
2	-	189
1	-	191
1	-	193
2	-	194
1	-	194a
1	-	199



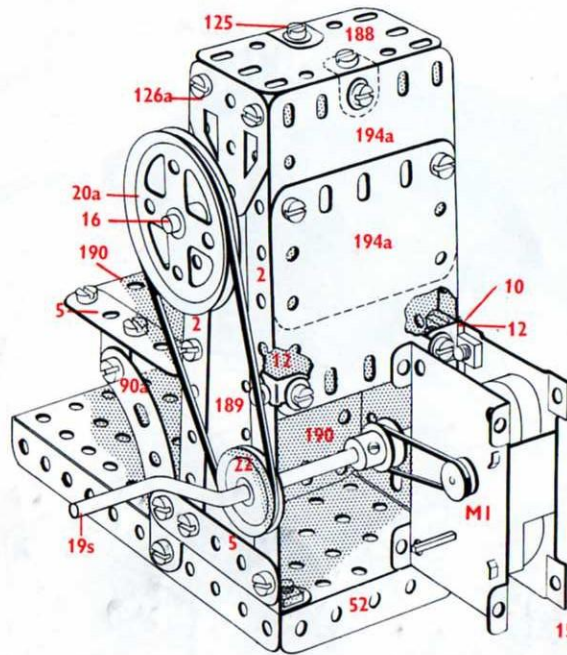
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6	—	5	4	—	111c
4	—	10	1	—	125
1	—	11	2	—	126
8	—	12	2	—	126a
2	—	16	4	—	142c
1	—	17	2	—	155
4	—	22	2	—	188
2	—	22a	2	—	189
4	—	35	2	—	190
52	—	37a	1	—	191
47	—	37b	2	—	193
10	—	38	2	—	194
2	—	48a	2	—	194a
1	—	52	1	—	199



4	–	2	1	–	52
6	–	5	2	–	90a
2	–	10	1	–	111c
6	–	12	1	–	125
2	–	16	2	–	126
1	–	17	1	–	126a
1	–	20a	2	–	155
2	–	22	1	–	186
1	–	24	2	–	188
5	–	35	2	–	189
39	–	37a	1	–	190
35	–	37b	2	–	194
5	–	38	2	–	194a
1	–	40	1	–	212
2	–	48a			

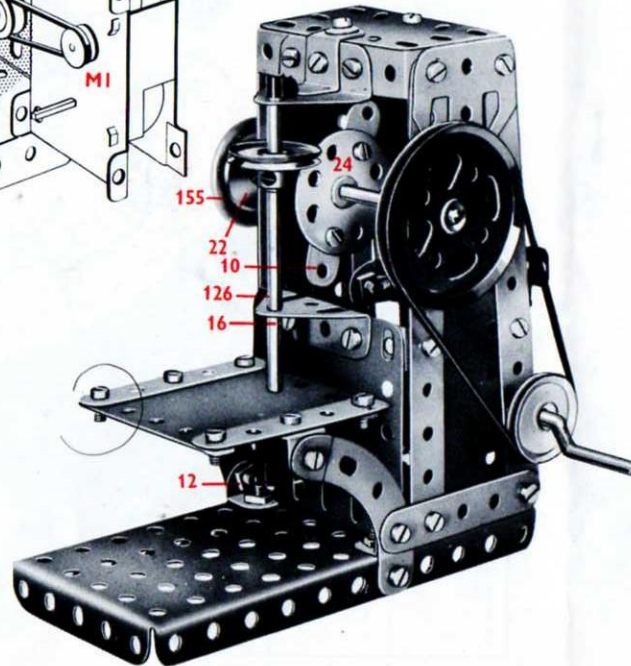


2.5 Stamping Mill

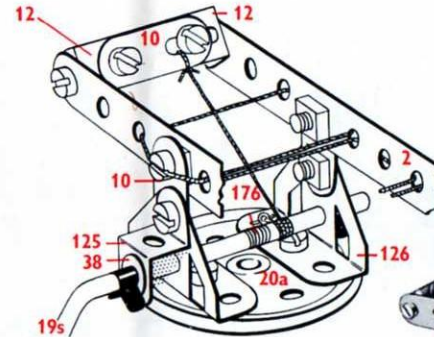


2.5

4	-	2	4	-	38
6	-	5	2	-	48a
4	-	10	1	-	52
1	-	11	2	-	90a
8	-	12	1	-	125
2	-	16	2	-	126
1	-	19s	2	-	126a
1	-	20a	1	-	155
4	-	22	1	-	188
1	-	24	2	-	189
1	-	35	2	-	190
42	-	37a	2	-	194a
42	-	37b			

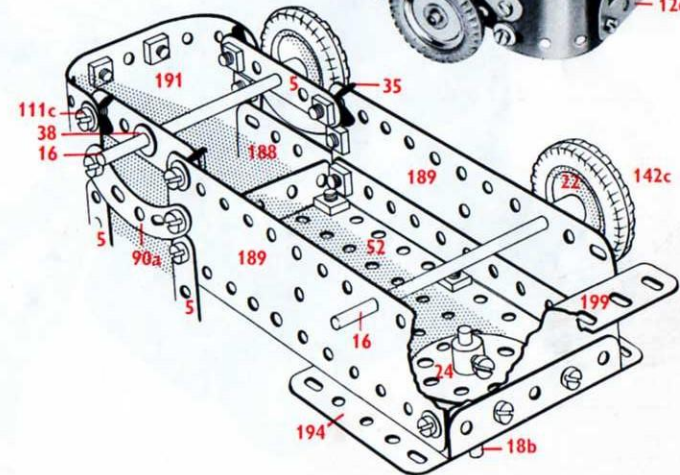
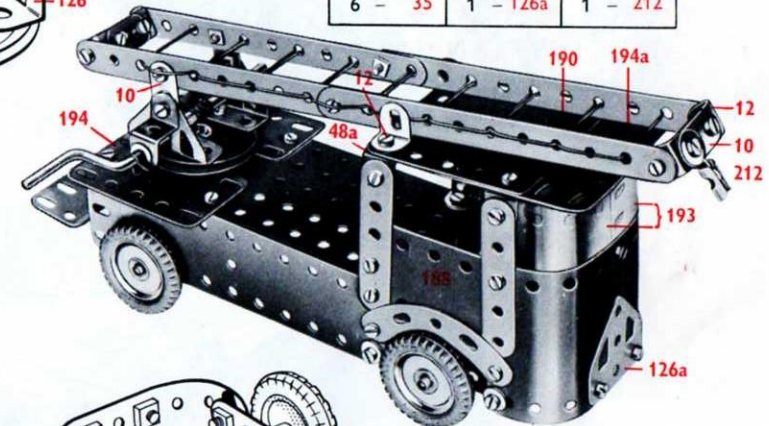


2.6 Fire Escape

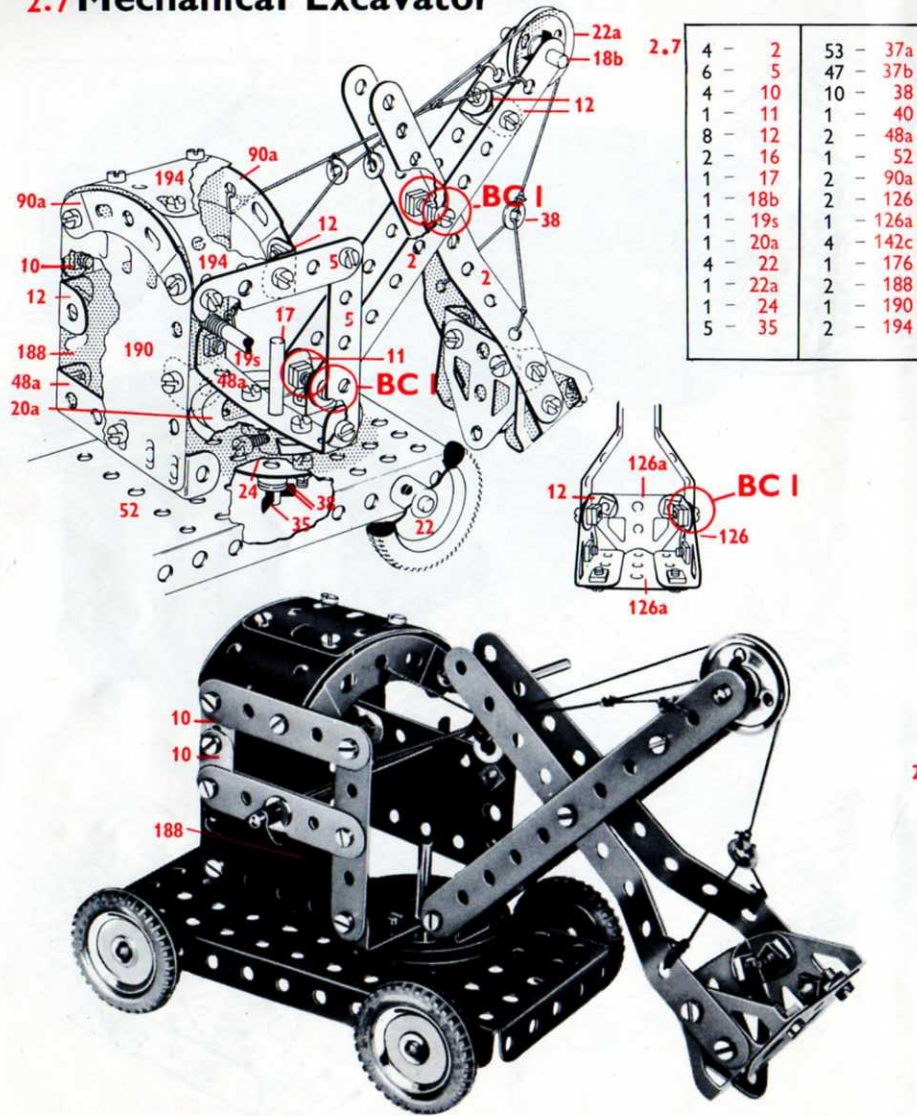


2.6

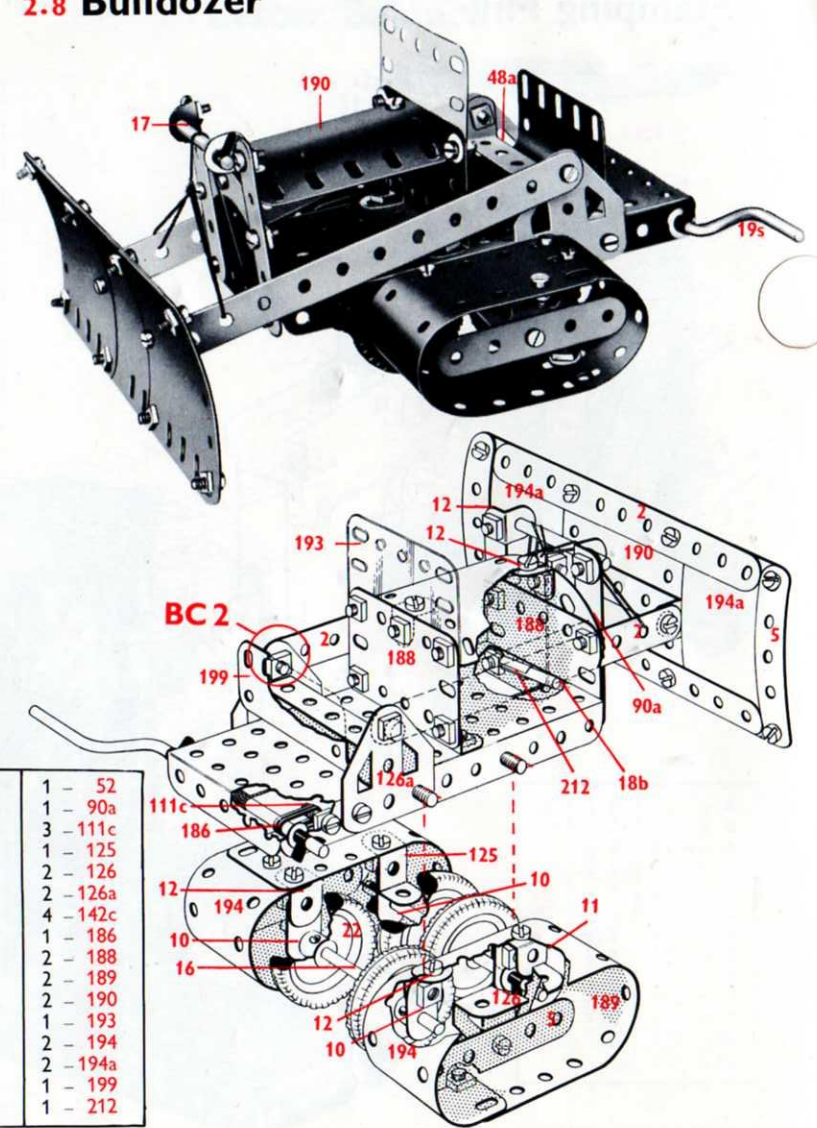
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6	-	5	47	-	37b	1	-	176
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8	-	12	1	-	40	2	-	189
2	-	16	2	-	48a	1	-	190
1	-	18b	1	-	52	1	-	191
1	-	19s	2	-	90a	2	-	193
1	-	20a	4	-	111c	2	-	194
4	-	22	1	-	125	1	-	194a
1	-	24	2	-	126	1	-	199
6	-	35	1	-	126a	1	-	212



2.7 Mechanical Excavator



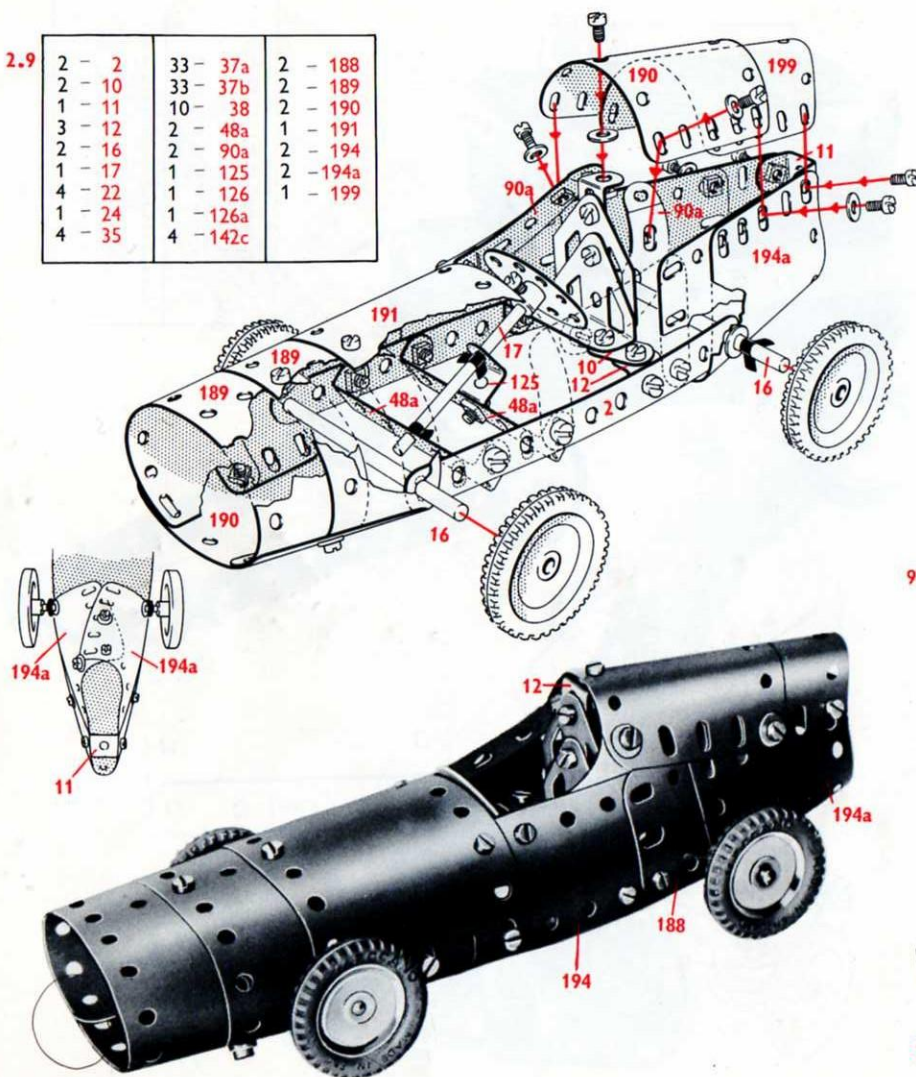
2.8 Bulldozer



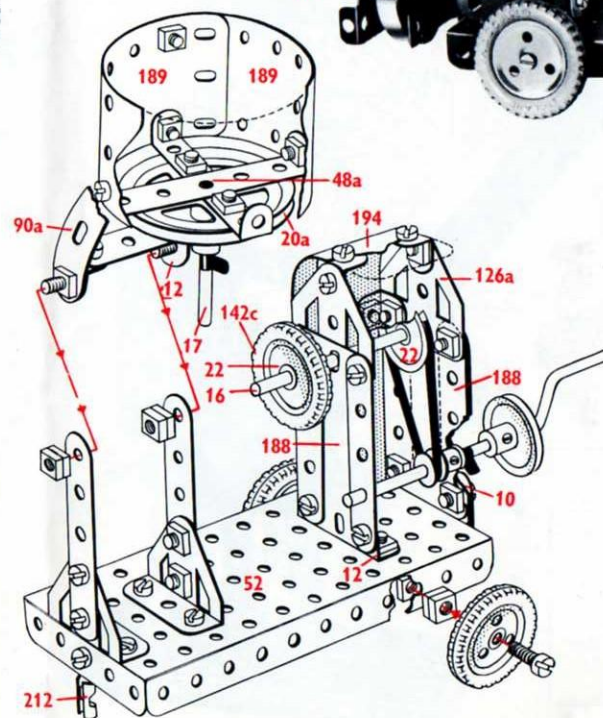
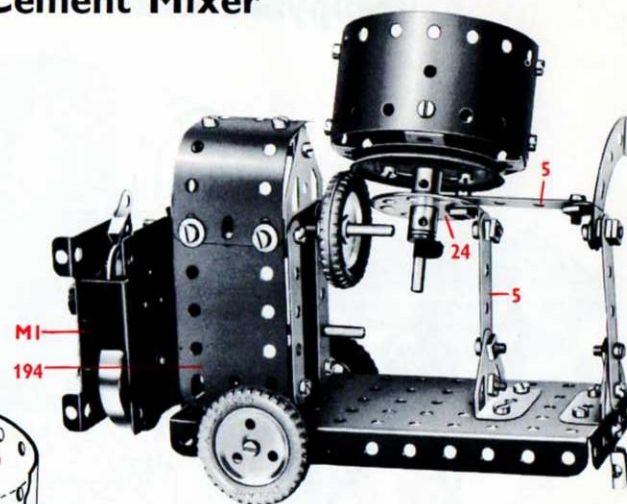
2.9 Racing Car

2.9

2	-	2	33	-	37a	2	-	188
2	-	10	33	-	37b	2	-	189
1	-	11	10	-	38	2	-	190
3	-	12	2	-	48a	1	-	191
2	-	16	2	-	90a	2	-	194
1	-	17	1	-	125	2	-	194a
4	-	22	1	-	126	1	-	199
1	-	24	1	-	126a			
4	-	35	4	-	142c			



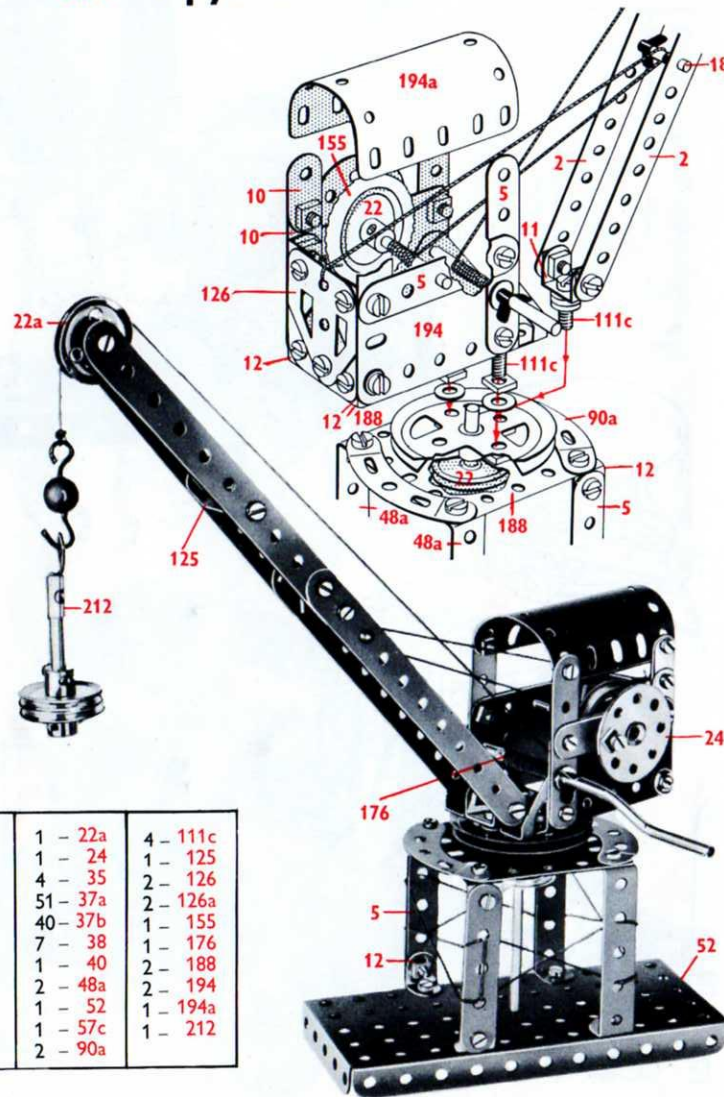
2.10 Cement Mixer



2.10

6	-	5	12	-	38
2	-	10	2	-	48a
8	-	12	1	-	52
1	-	16	1	-	90a
1	-	17	3	-	111c
1	-	19s	2	-	126
1	-	20a	2	-	126a
3	-	22	3	-	142c
2	-	22a	1	-	186
1	-	24	2	-	188
3	-	35	2	-	189
46	-	37a	2	-	194
36	-	37b	1	-	212

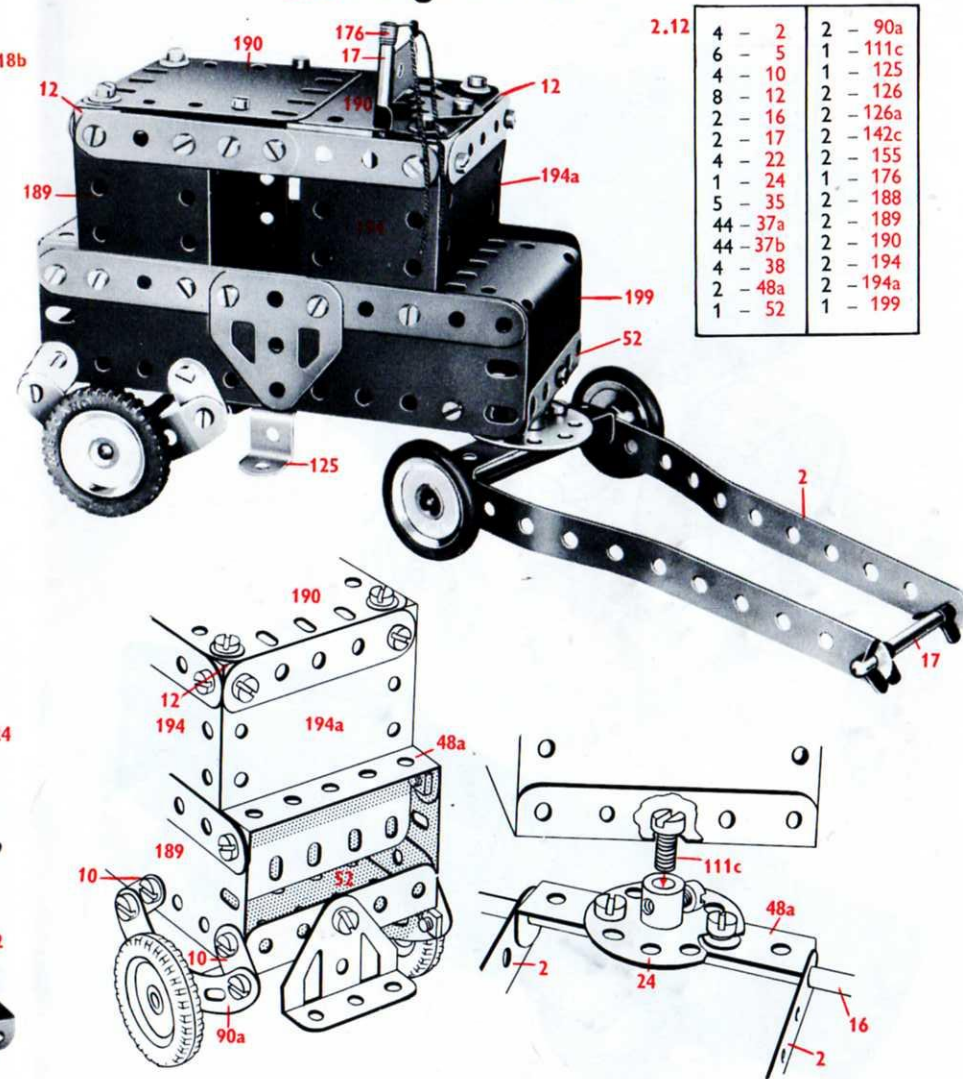
2.11 Shipyard Crane



2.11

4 - 2	1 - 22a	4 - 111c
6 - 5	1 - 24	1 - 125
4 - 10	4 - 35	2 - 126
1 - 11	51 - 37a	2 - 126a
8 - 12	40 - 37b	1 - 155
1 - 16	7 - 38	1 - 176
2 - 17	1 - 40	2 - 188
1 - 18b	2 - 48a	2 - 194
1 - 19s	1 - 52	1 - 194a
1 - 20a	1 - 57c	1 - 212
4 - 22	2 - 90a	

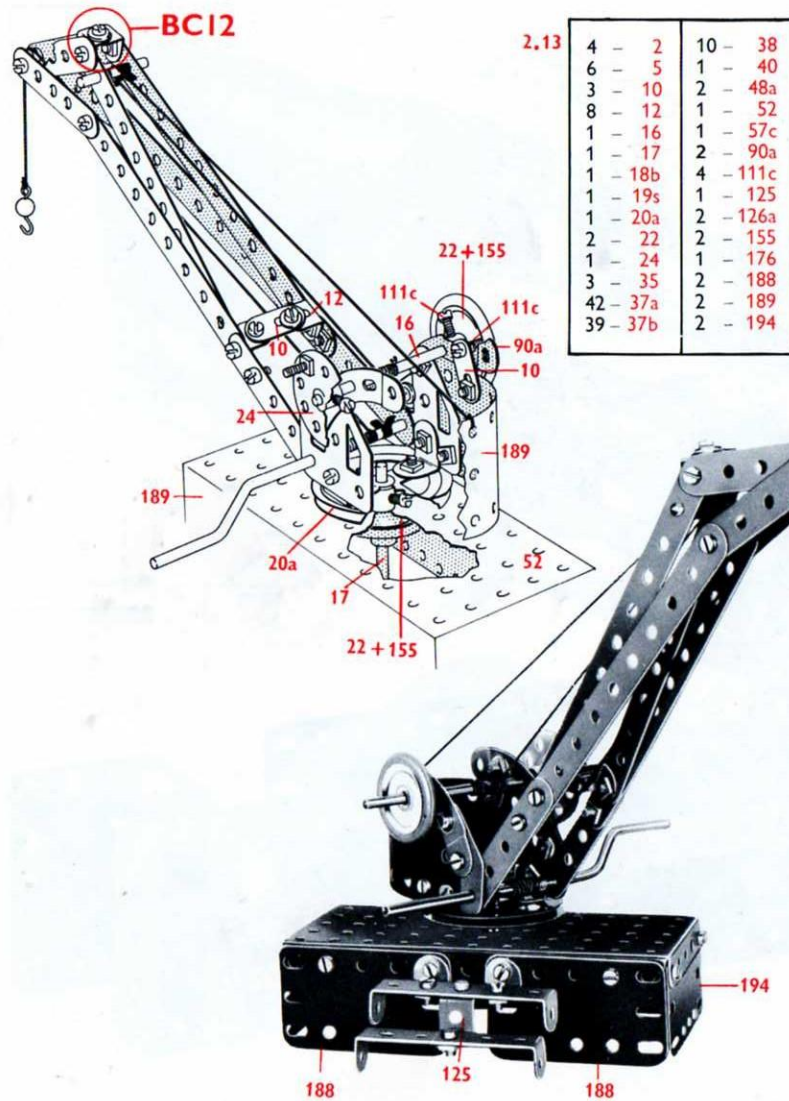
2.12 Stage Coach



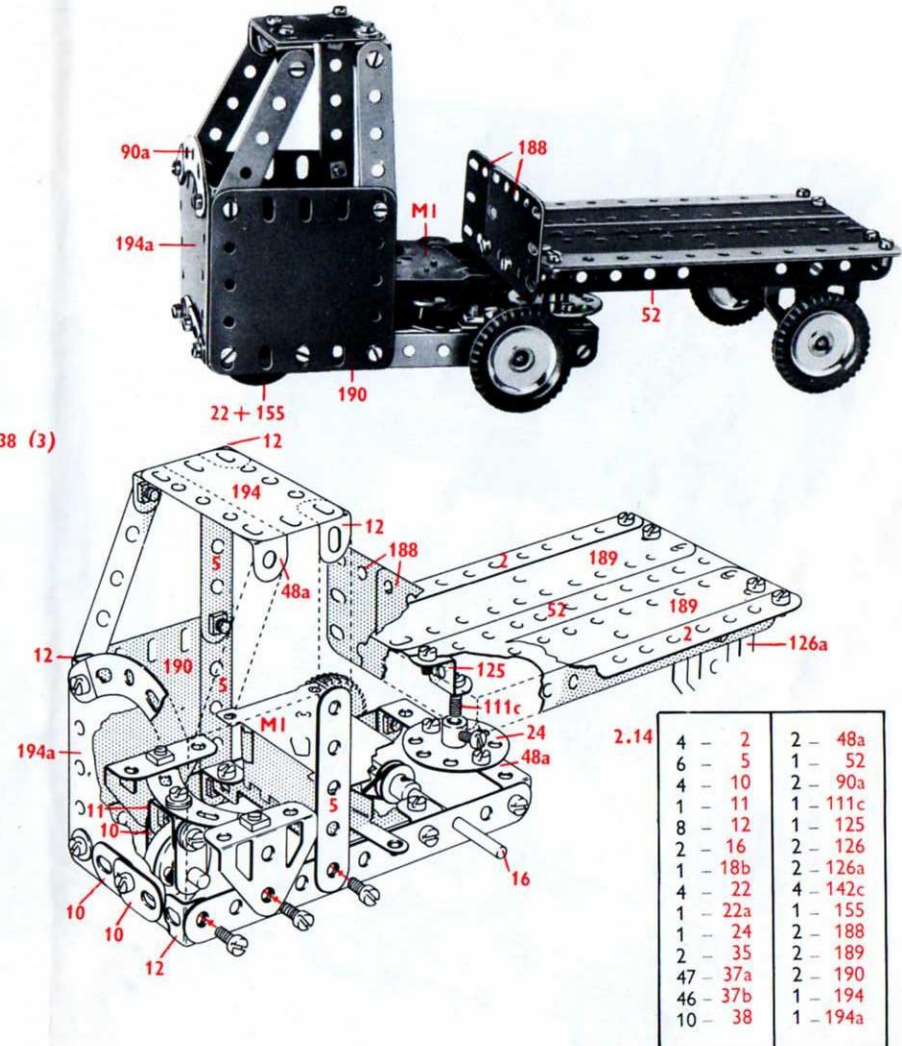
2.12

4 - 2	2 - 90a
6 - 5	1 - 111c
4 - 10	1 - 125
8 - 12	2 - 126
2 - 16	2 - 126a
2 - 17	2 - 142c
4 - 22	2 - 155
1 - 24	1 - 176
5 - 35	2 - 188
44 - 37a	2 - 189
44 - 37b	2 - 190
4 - 38	2 - 194
2 - 48a	2 - 194a
1 - 52	1 - 199

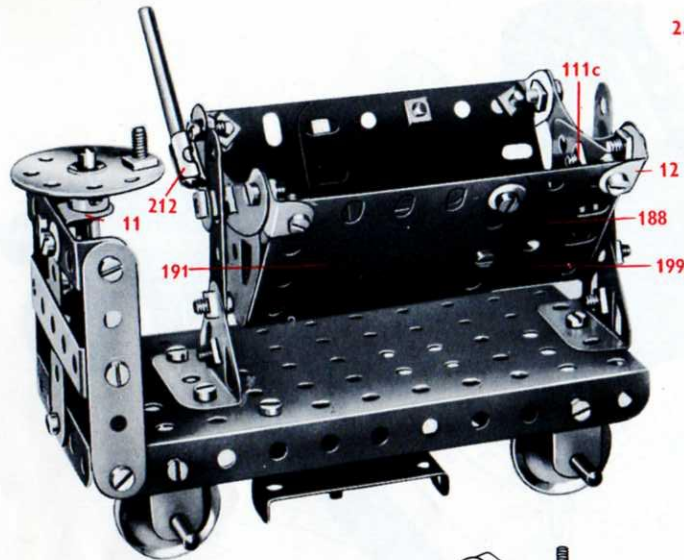
2.13 Goods Yard Crane



2.14 Articulated Lorry

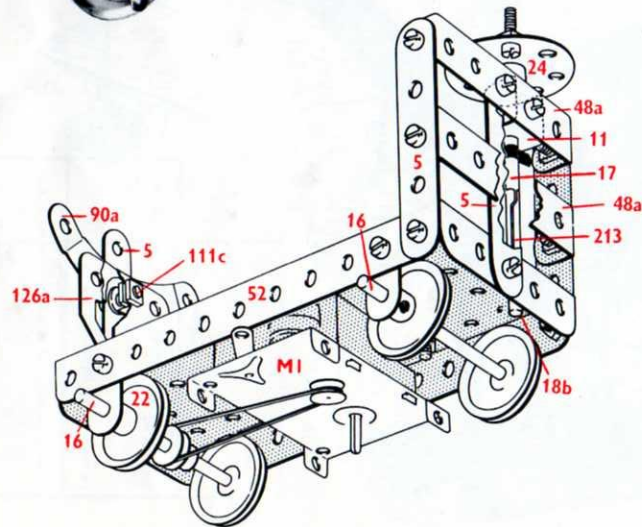


2.15 Side-tipping Truck

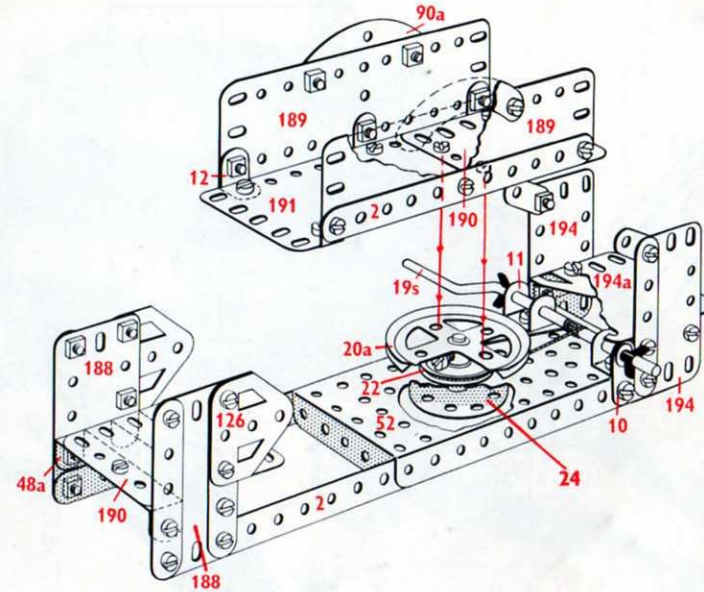


2.15

5	-	5
4	-	10
1	-	11
4	-	12
2	-	16
2	-	17
1	-	18b
4	-	22
1	-	24
1	-	35
38	-	37a
32	-	37b
5	-	38
2	-	48a
1	-	52
2	-	90a
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1	-	191
1	-	199
1	-	212
1	-	213

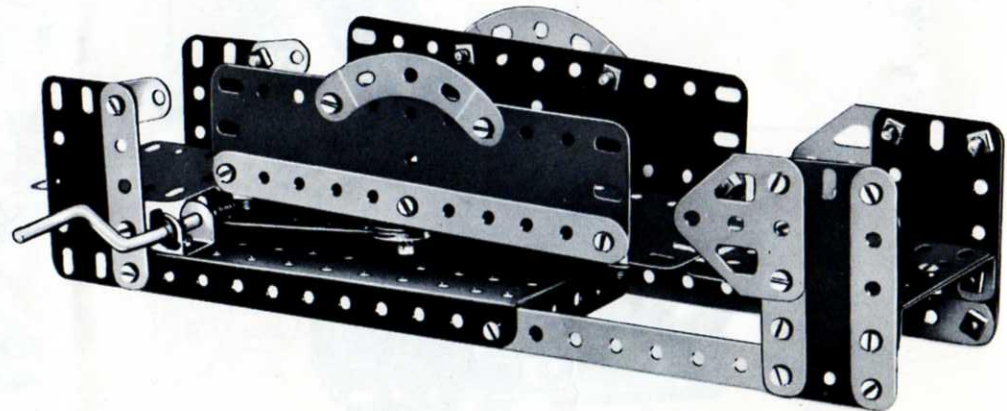


2.16 Swing Bridge

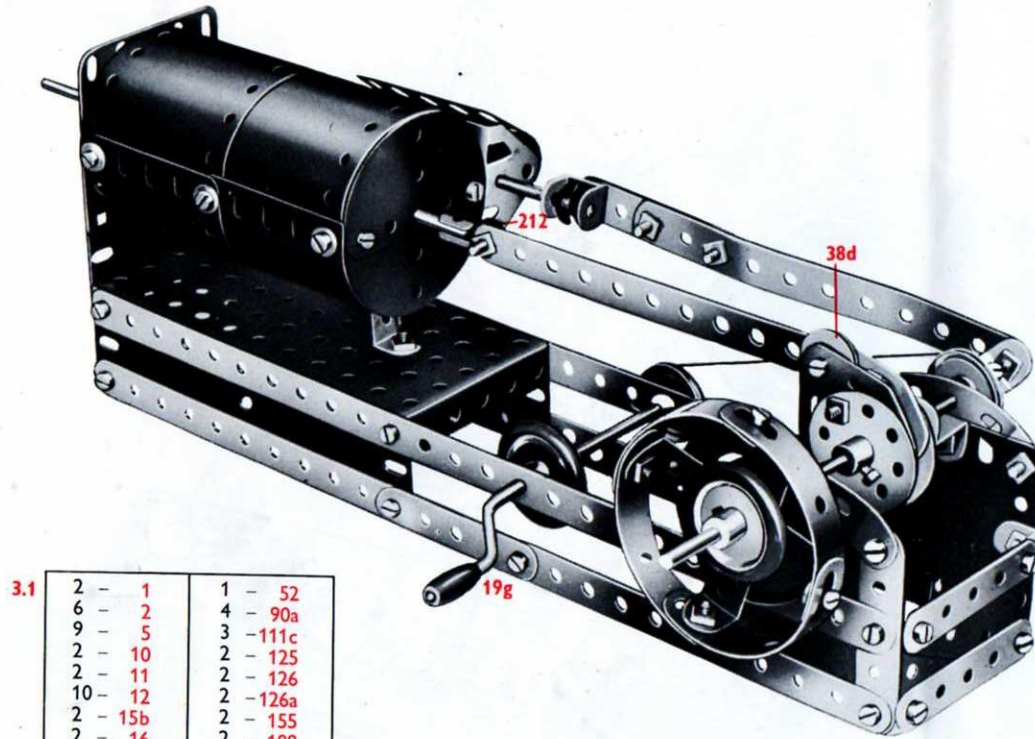


2.16

4	-	2
6	-	5
3	-	10
1	-	11
6	-	12
1	-	18b
1	-	19s
1	-	20a
1	-	22
1	-	24
2	-	35
50	-	37a
50	-	37b
2	-	38
1	-	40
2	-	48a
1	-	52
2	-	90a
1	-	125
2	-	126
2	-	126a
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2	-	189
2	-	190
1	-	191
2	-	194
1	-	194a

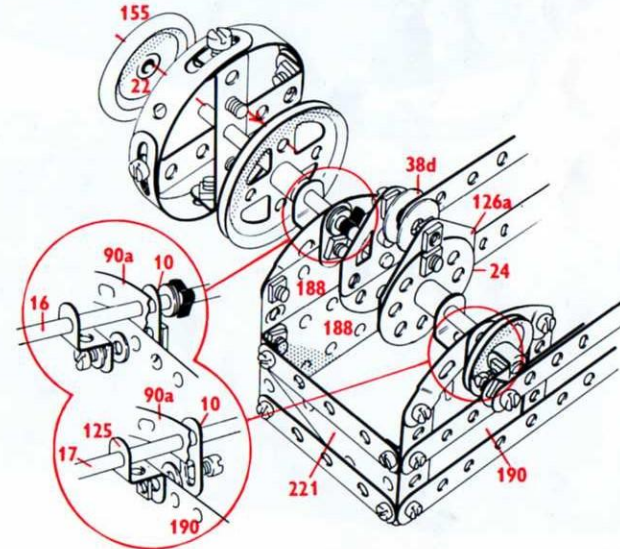
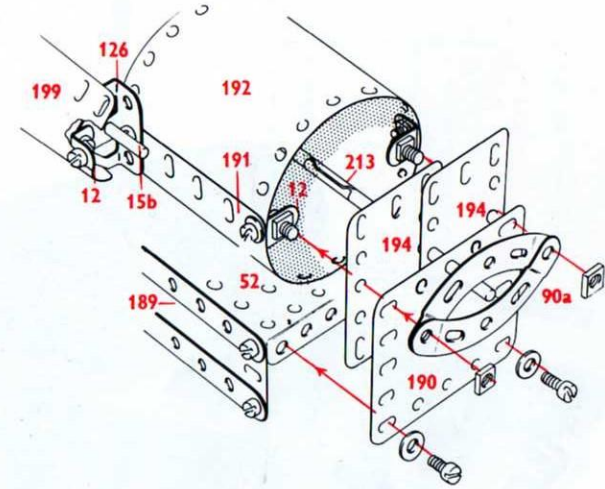


3.1 Horizontal Steam Engine

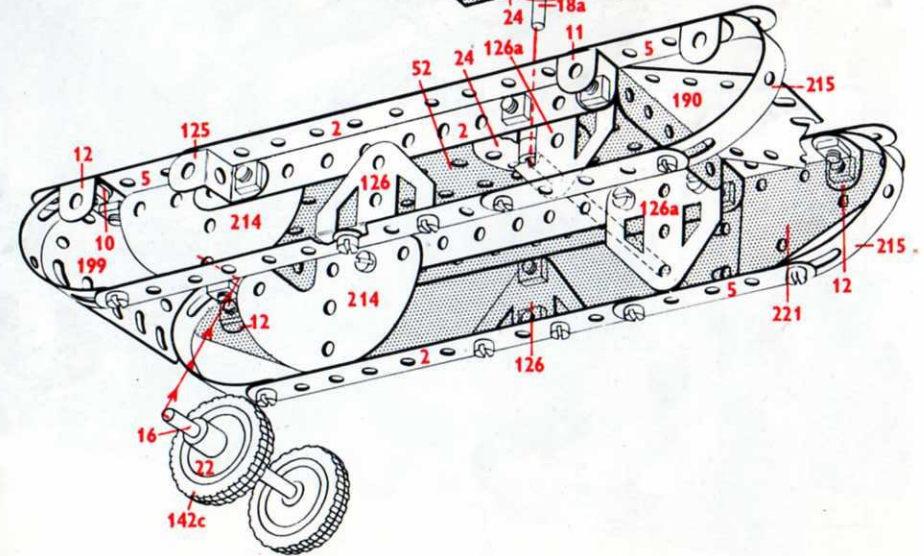
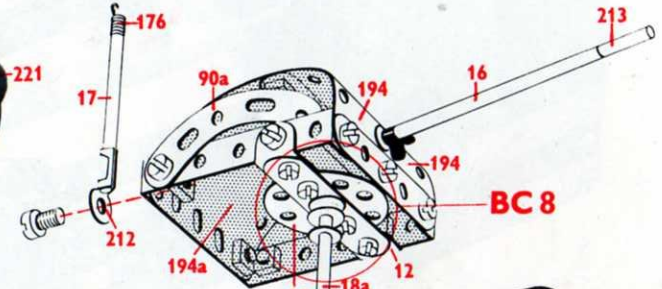
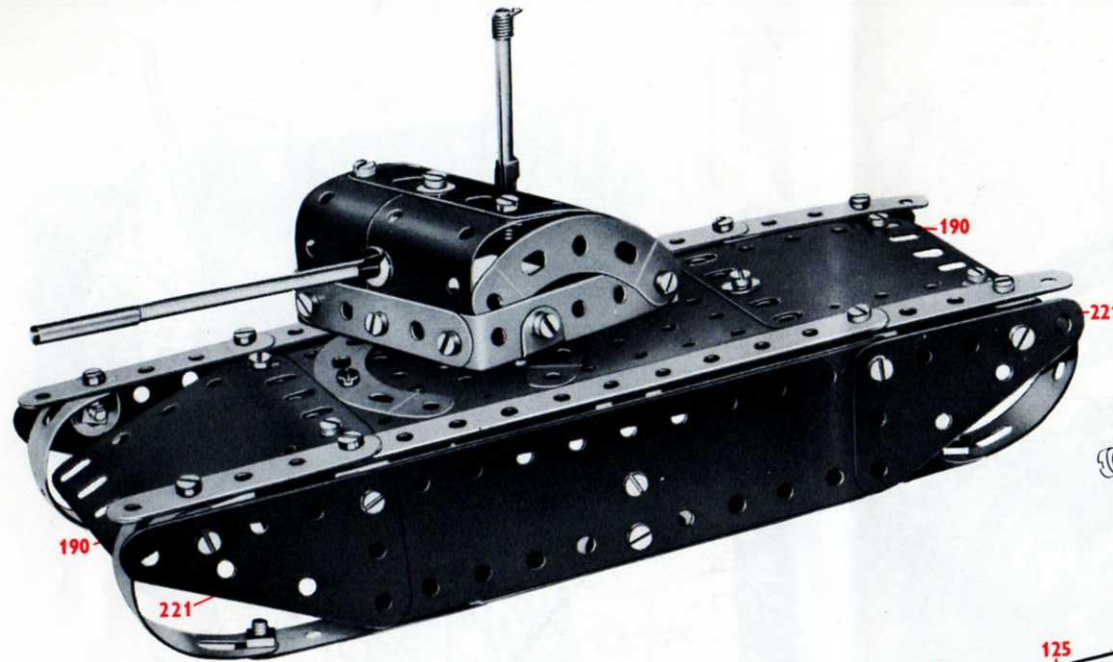


3.1

2 - 1	1 - 52
6 - 2	4 - 90a
9 - 5	3 - 111c
2 - 10	2 - 125
2 - 11	2 - 126
10 - 12	2 - 126a
2 - 15b	2 - 155
2 - 16	2 - 188
1 - 17	2 - 189
1 - 19g	2 - 190
1 - 20a	2 - 191
4 - 22	2 - 192
2 - 24	2 - 194
4 - 35	1 - 199
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9 - 38	2 - 214
2 - 38d	4 - 215
1 - 40	2 - 221
2 - 48a	



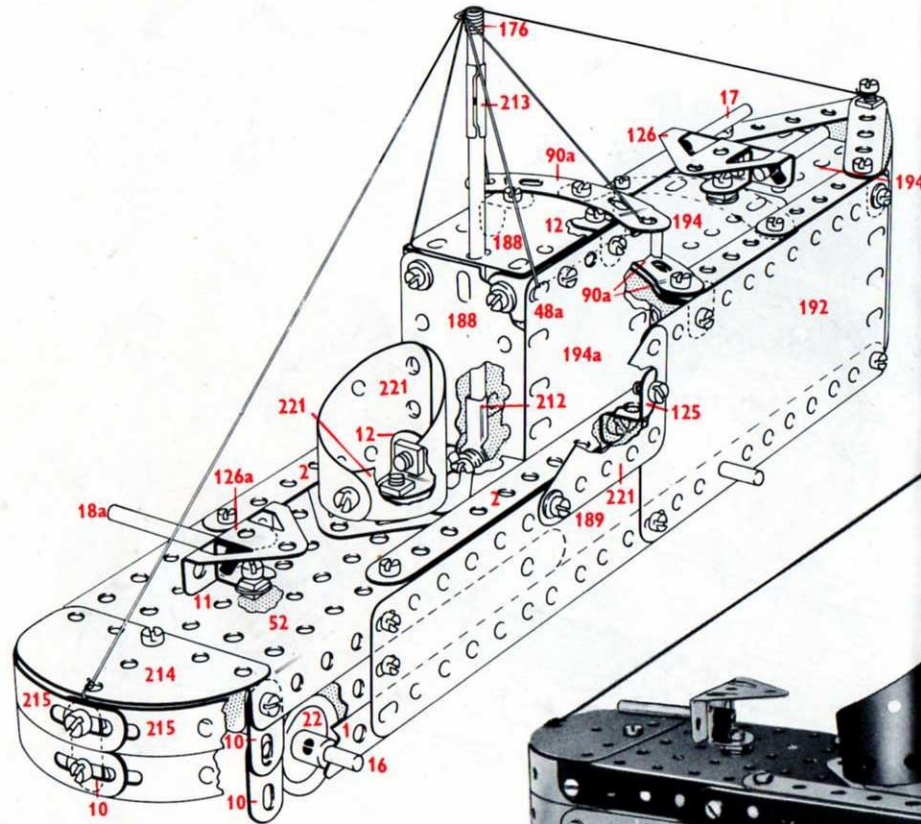
3.2 Tank



3.2

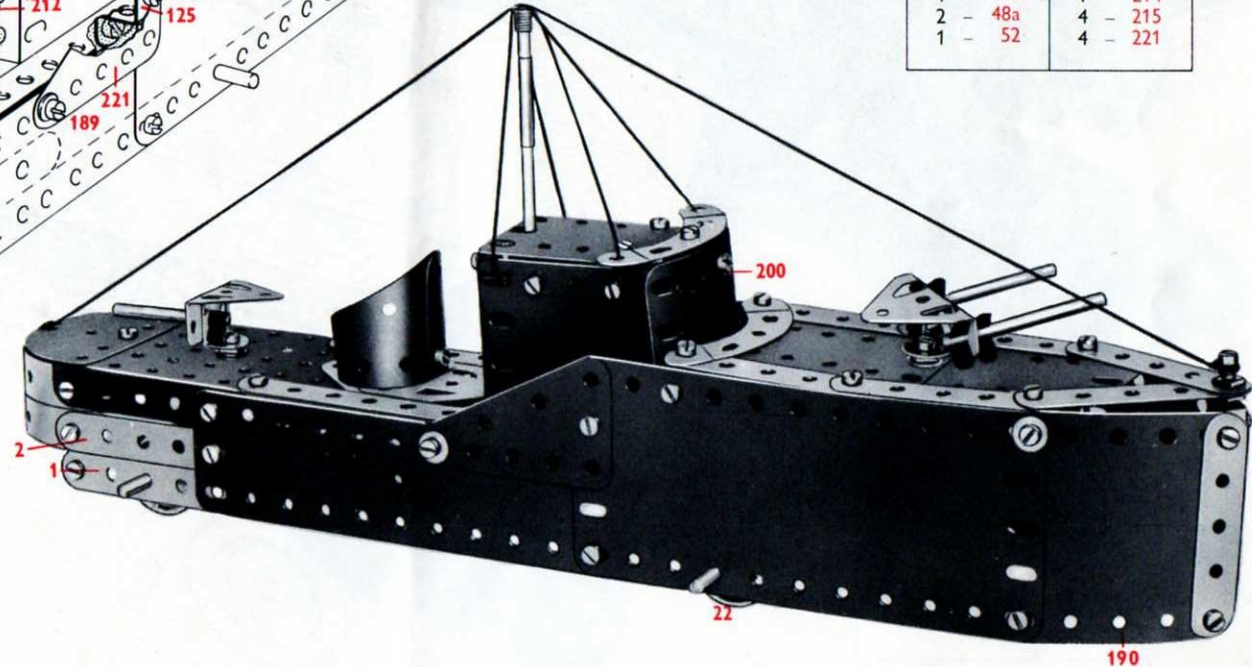
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9 - 5	56 - 37b	2 - 190
3 - 10	8 - 38	2 - 194
2 - 11	2 - 48a	1 - 194a
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3 - 16	4 - 90a	1 - 212
1 - 17	3 - 111c	1 - 213
1 - 18a	2 - 125	2 - 214
4 - 22	2 - 126	4 - 215
1 - 23	2 - 126a	4 - 221
2 - 24	4 - 142c	
2 - 35	1 - 176	

3.3 Gun Boat



3.3

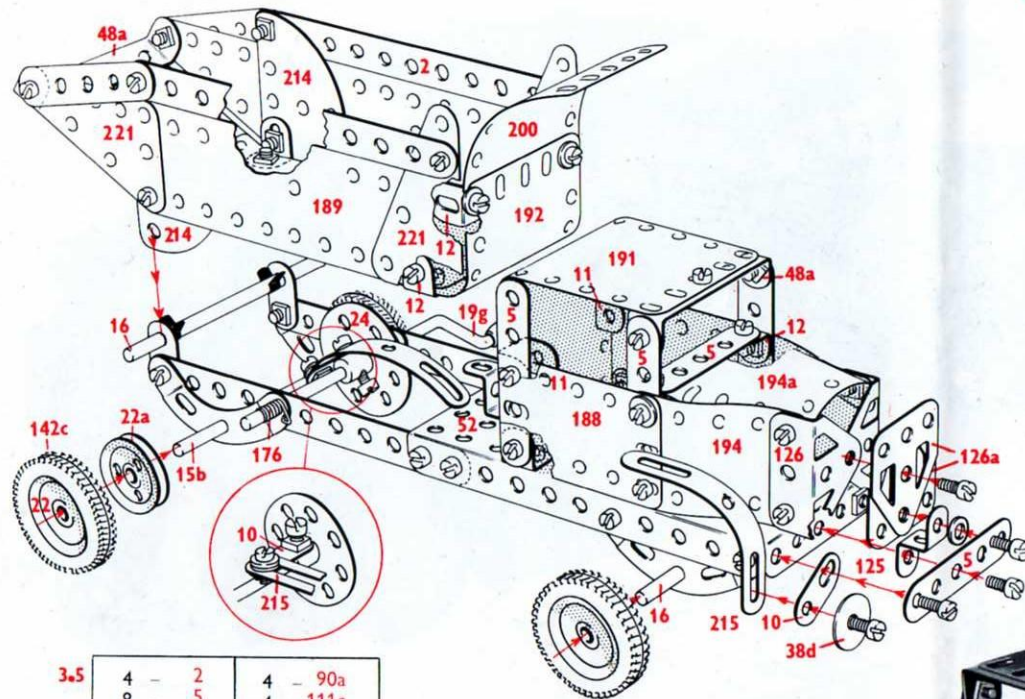
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3 -	16	2 -	188
2 -	17	2 -	189
1 -	18a	2 -	190
1 -	18b	2 -	192
4 -	22	2 -	194
6 -	35	2 -	194a
60 -	37a	1 -	200
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2 -	48a	4 -	215
1 -	52	4 -	221





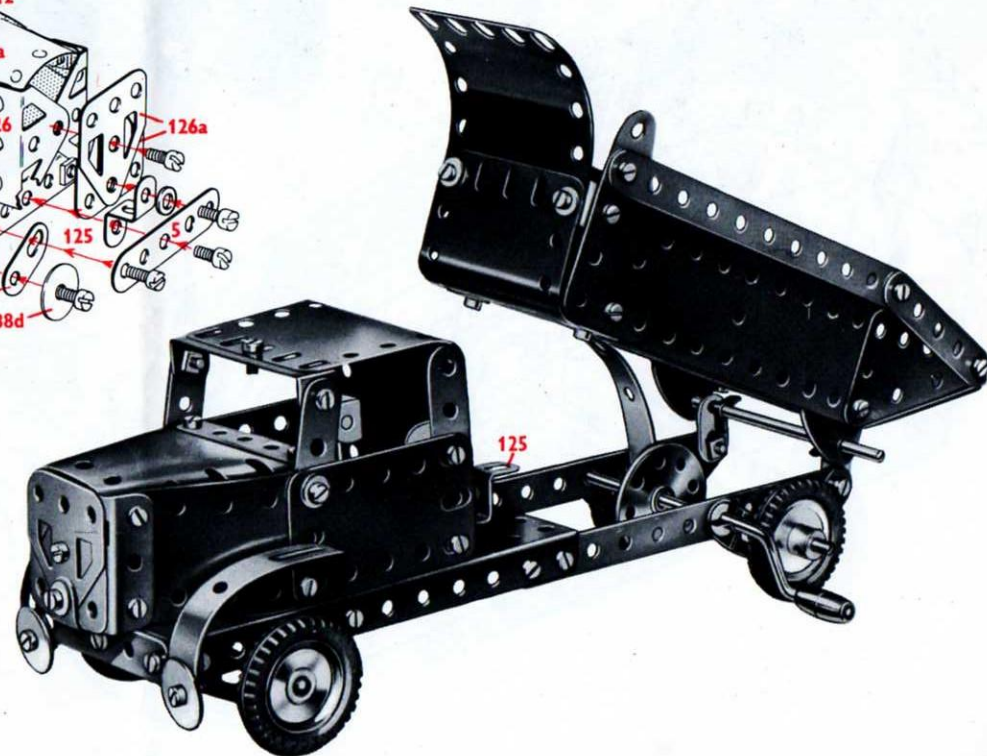
This diagram shows an exploded view of a mechanical assembly, likely a conveyor system component. The main body is a long, rectangular frame with a perforated surface, labeled 52. It features several structural elements and mounting points, including a large bracket on the left (125) and a complex assembly on the right (190). Two gears are shown in exploded view at the bottom, labeled 22 and 142c. The diagram includes numerous callouts for specific parts and features, such as 10, 12, 12c, 12f, 12g, 12h, 12i, 12j, 12k, 12l, 12m, 12n, 12o, 12p, 12q, 12r, 12s, 12t, 12u, 12v, 12w, 12x, 12y, 12z, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800,

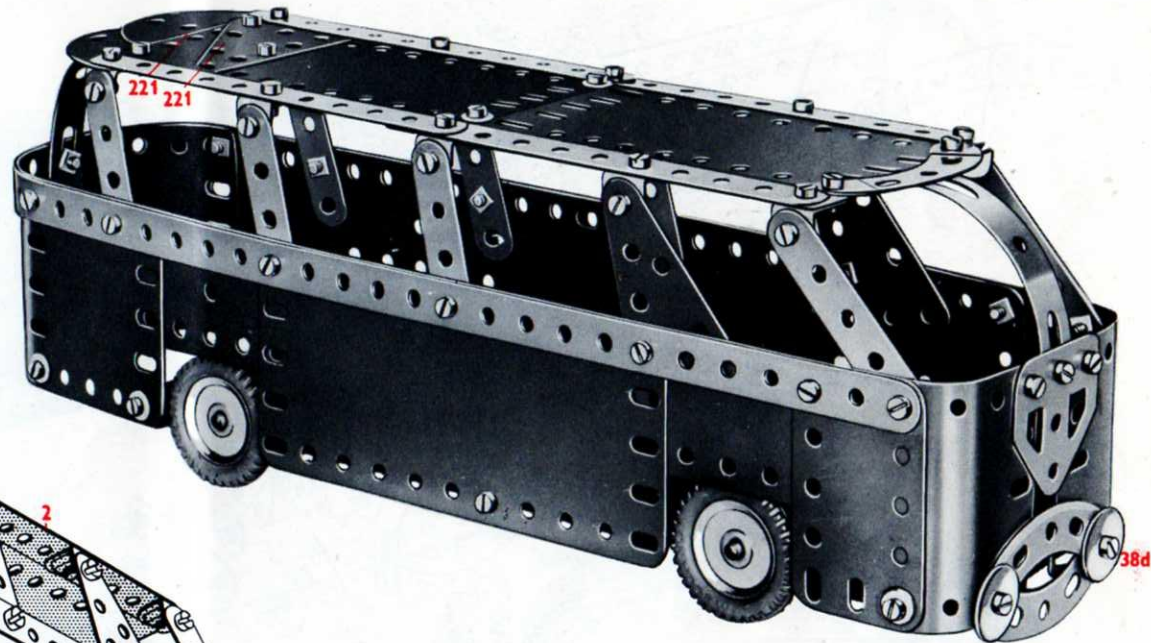
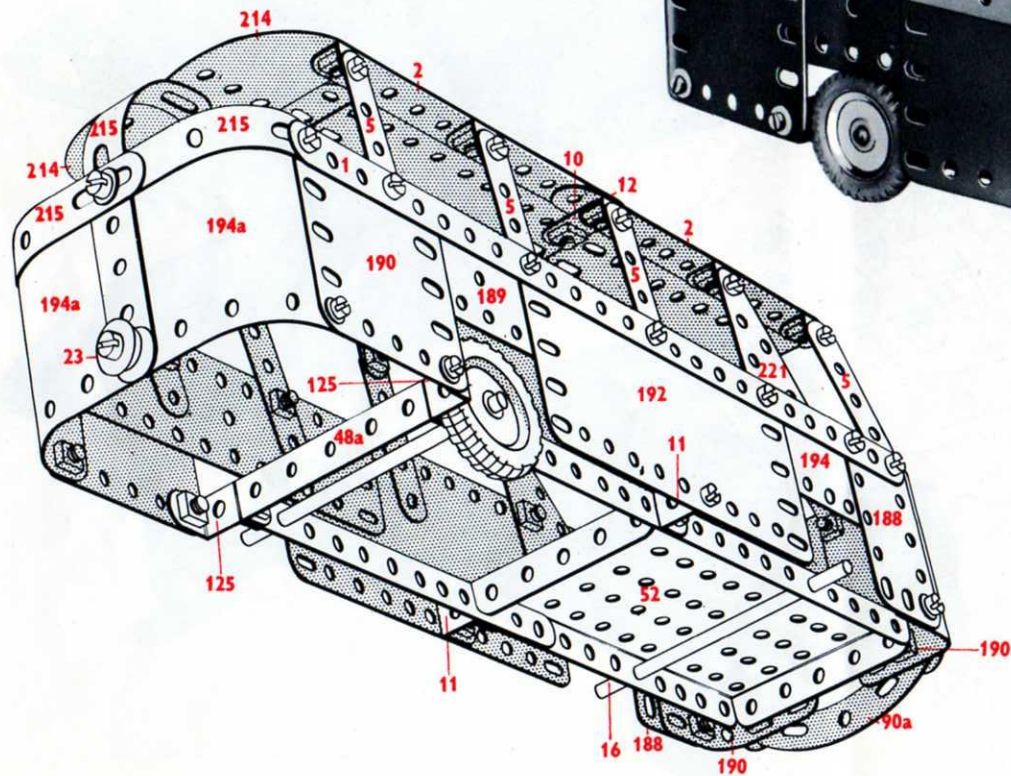
3.5 Dumper Truck



3.5

4 - 2	4 - 90a
8 - 5	4 - 111c
5 - 10	2 - 125
2 - 11	2 - 126
10 - 12	2 - 126a
1 - 15b	4 - 142c
2 - 16	1 - 176
1 - 19g	2 - 188
4 - 22	2 - 189
2 - 22a	2 - 190
1 - 24	1 - 191
3 - 35	1 - 192
60 - 37a	2 - 194
56 - 37b	1 - 194a
10 - 38	1 - 200
2 - 38d	1 - 214
2 - 48a	3 - 215
1 - 52	4 - 221

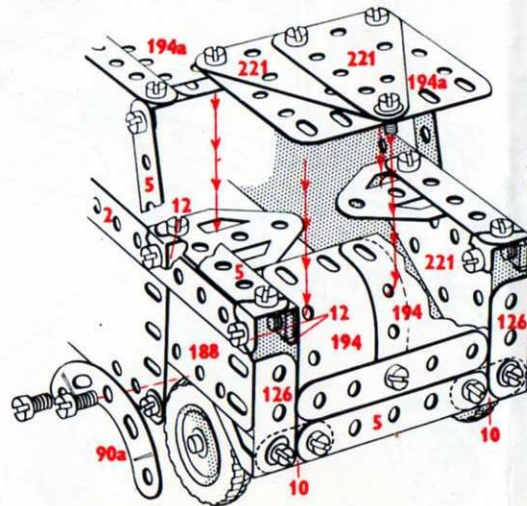
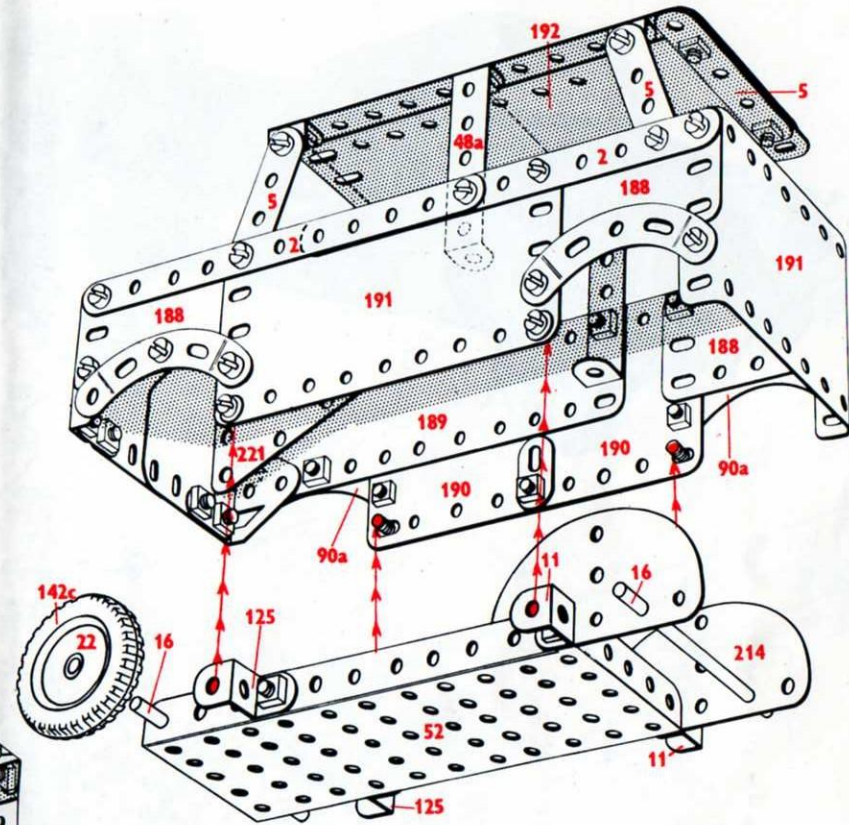
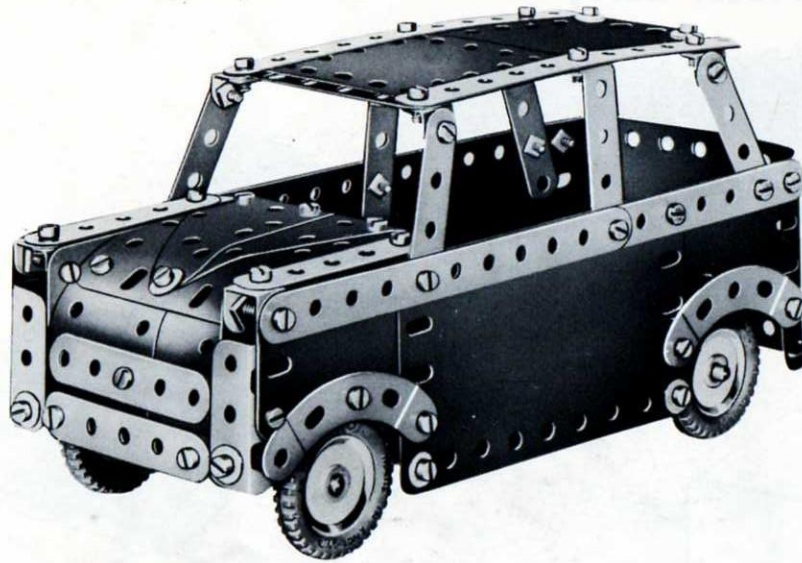




3.6

2	-	1	4	-	111c
6	-	2	2	-	125
9	-	5	1	-	126a
4	-	10	4	-	142c
2	-	11	2	-	188
10	-	12	2	-	189
2	-	16	2	-	190
4	-	22	2	-	191
1	-	23	2	-	192
60	-	37a	2	-	194
56	-	37b	2	-	194a
10	-	38	1	-	199
2	-	38d	1	-	200
1	-	48a	2	-	214
1	-	52	2	-	215
3	-	90a	4	-	221

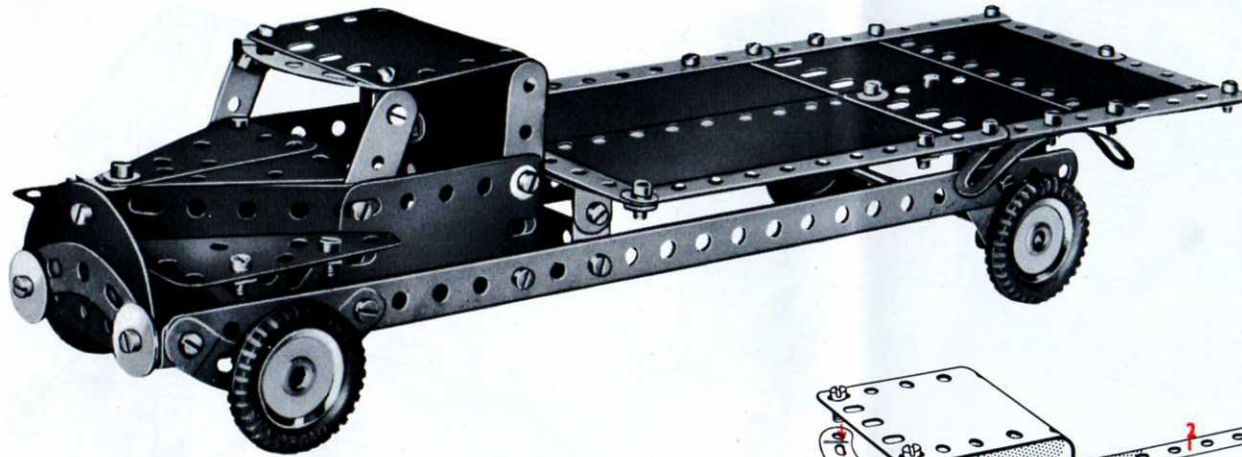
3.7 Saloon Car



3,7

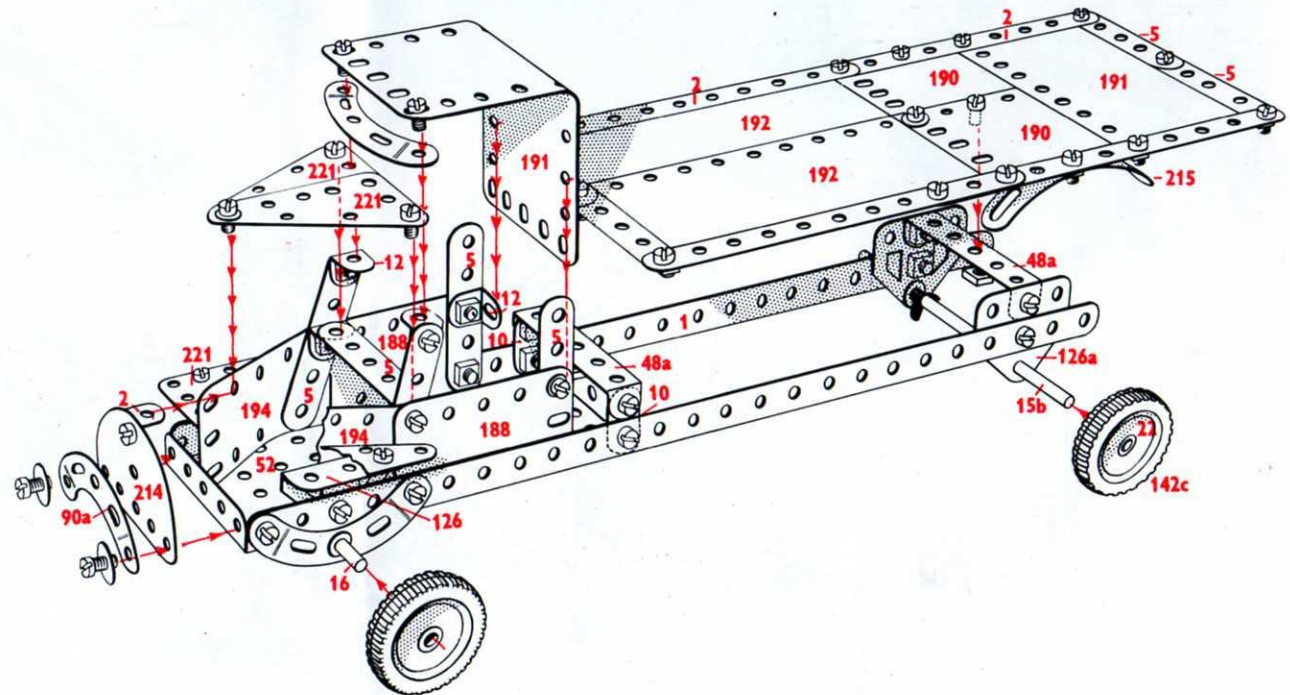
6 -	2	2 -	125
9 -	5	2 -	126
3 -	10	2 -	126a
2 -	11	4 -	142c
10 -	12	2 -	188
2 -	16	2 -	189
4 -	22	2 -	190
60 -	37a	2 -	191
56 -	37b	2 -	192
9 -	38	2 -	194
2 -	48a	2 -	194a
1 -	52	2 -	214
4 -	90a	4 -	221
4 -	111c		

3.8 Motor Lorry

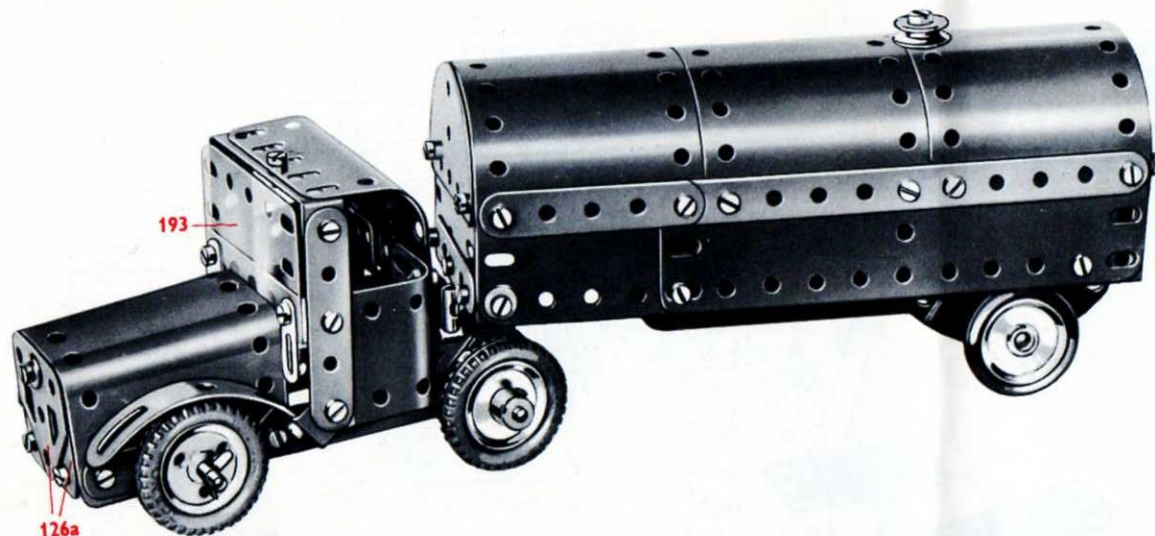


3.8

2 - 1	1 - 52
4 - 2	4 - 90a
9 - 5	2 - 126
2 - 10	2 - 126a
7 - 12	4 - 142c
1 - 15b	2 - 188
1 - 16	2 - 190
4 - 22	2 - 191
2 - 35	2 - 192
53 - 37a	2 - 194
53 - 37b	1 - 214
8 - 38	2 - 215
2 - 38d	4 - 221
2 - 48a	

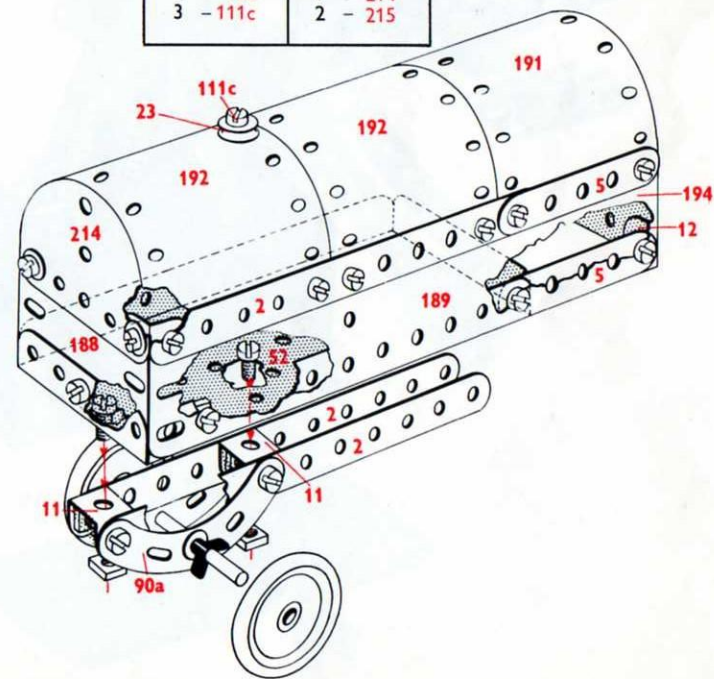
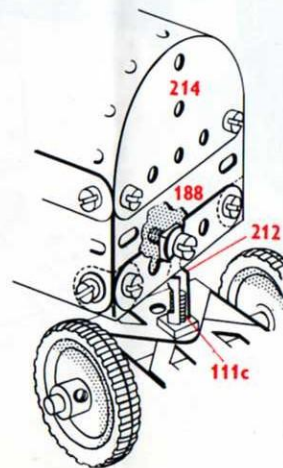
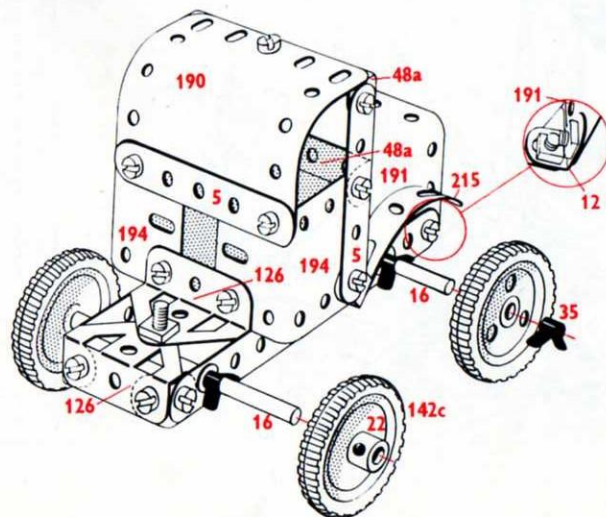


3.9 Articulated Petrol Tanker

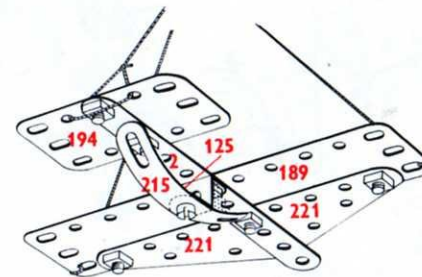
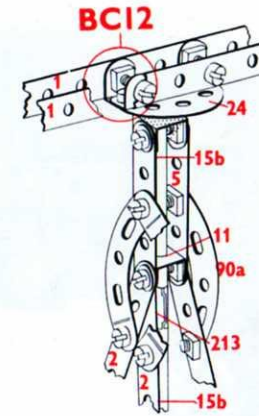
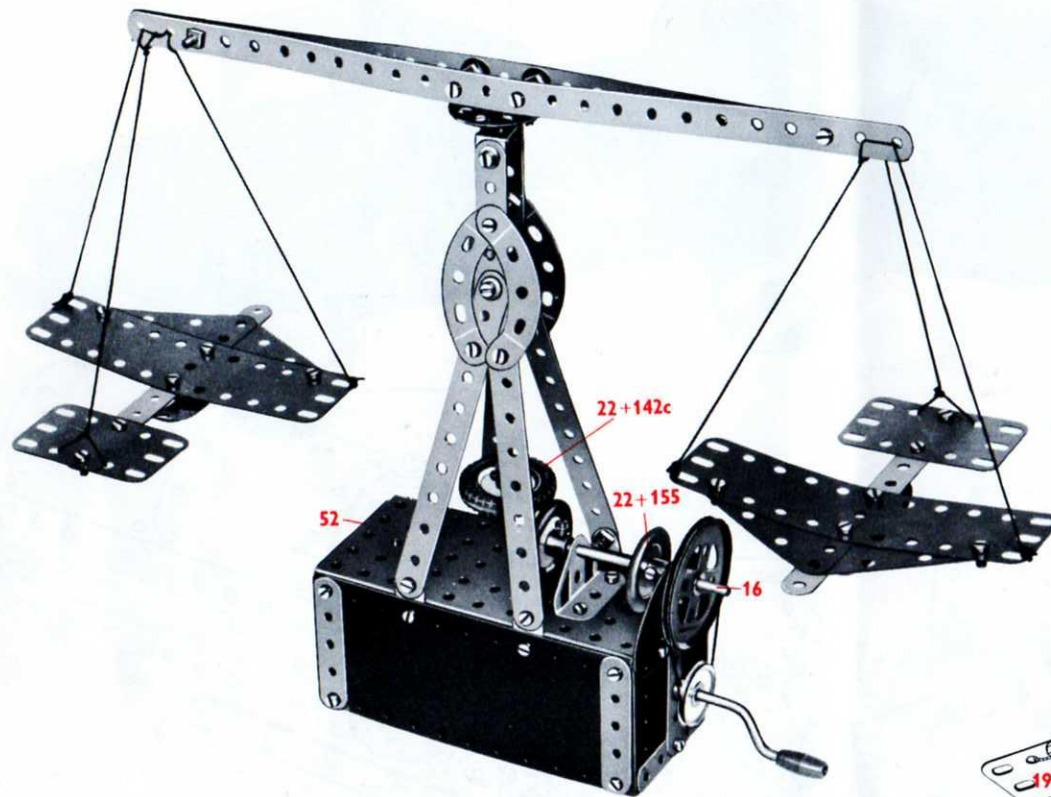


3.9

6 - 2	2 - 125
8 - 5	2 - 126
2 - 10	2 - 126a
2 - 11	4 - 142c
8 - 12	2 - 155
2 - 16	1 - 176
1 - 17	2 - 188
4 - 22	2 - 189
2 - 22a	1 - 190
1 - 23	2 - 191
7 - 35	2 - 192
60 - 37a	1 - 193
56 - 37b	2 - 194
10 - 38	2 - 194a
2 - 48a	1 - 199
1 - 52	1 - 212
2 - 90a	2 - 214
3 - 111c	2 - 215



3.10 Revolving Jet Planes



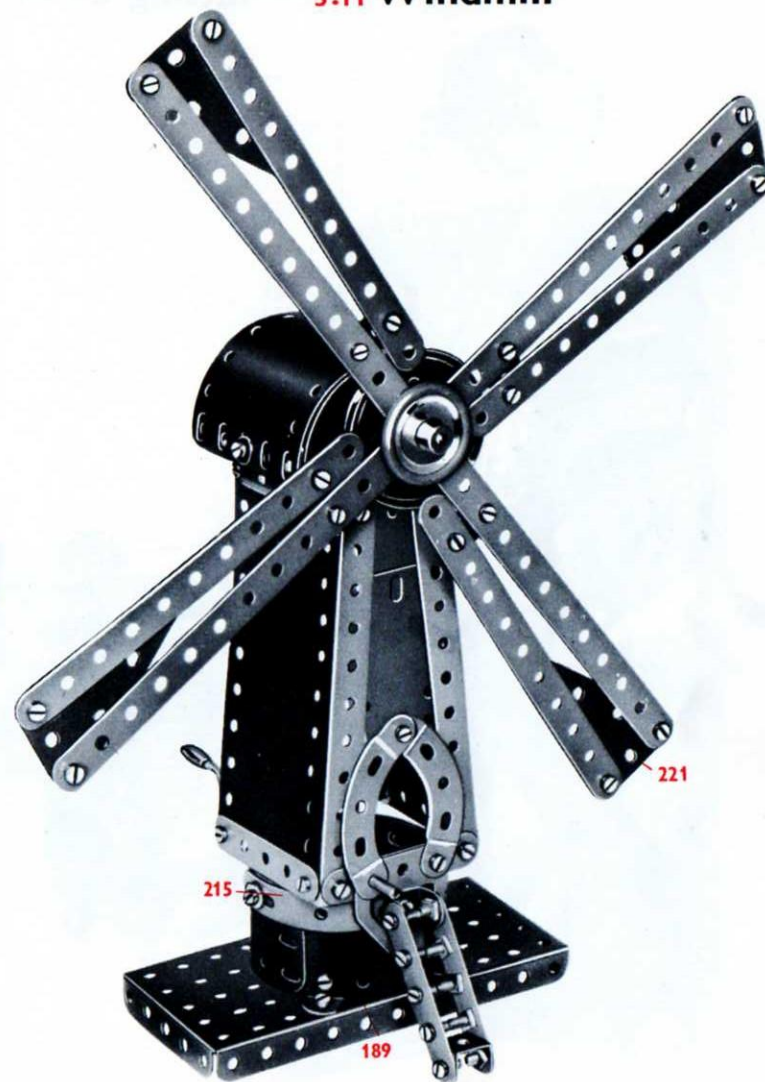
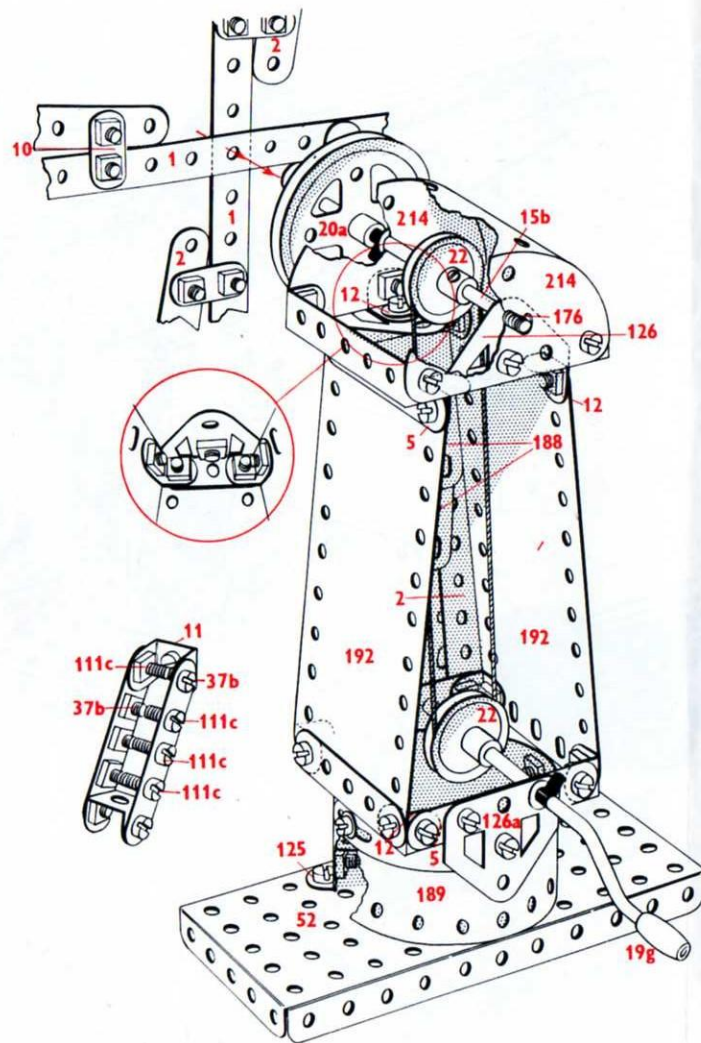
3.10

2	-	1
6	-	2
9	-	5
4	-	10
2	-	11
4	-	12
2	-	15b
1	-	16
1	-	19g
1	-	20a
4	-	22
2	-	24
60	-	37a
56	-	37b
6	-	38
1	-	40
2	-	48a
1	-	52
4	-	90a
4	-	111c
2	-	125
2	-	126
1	-	142c
2	-	155
2	-	188
2	-	189
1	-	190
2	-	192
2	-	194
1	-	213
1	-	214
2	-	215
4	-	221

3.11 Windmill

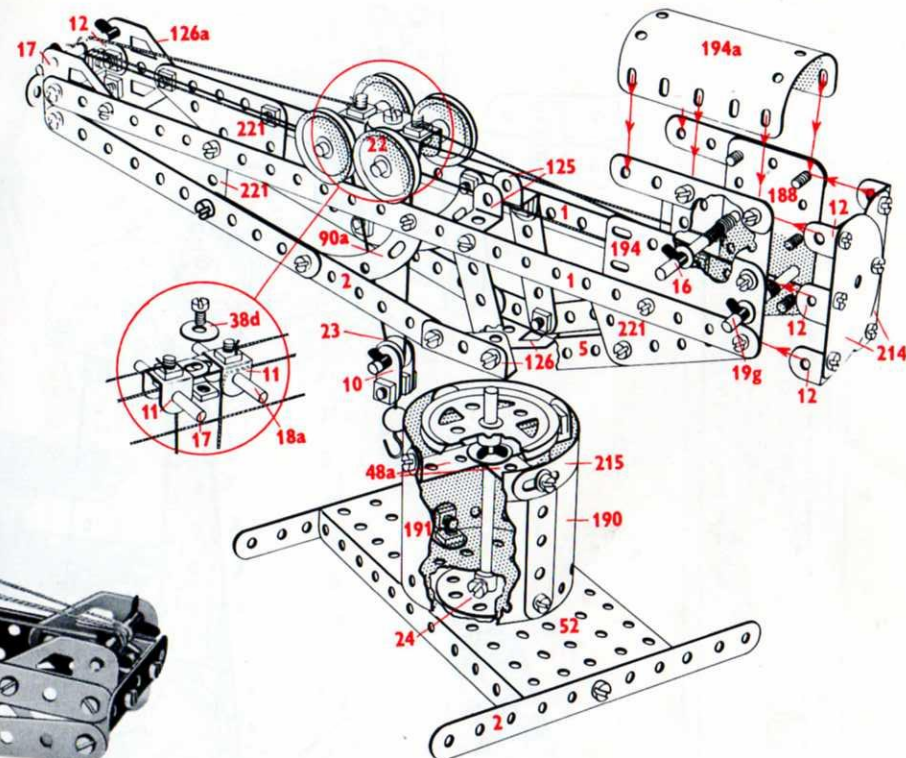
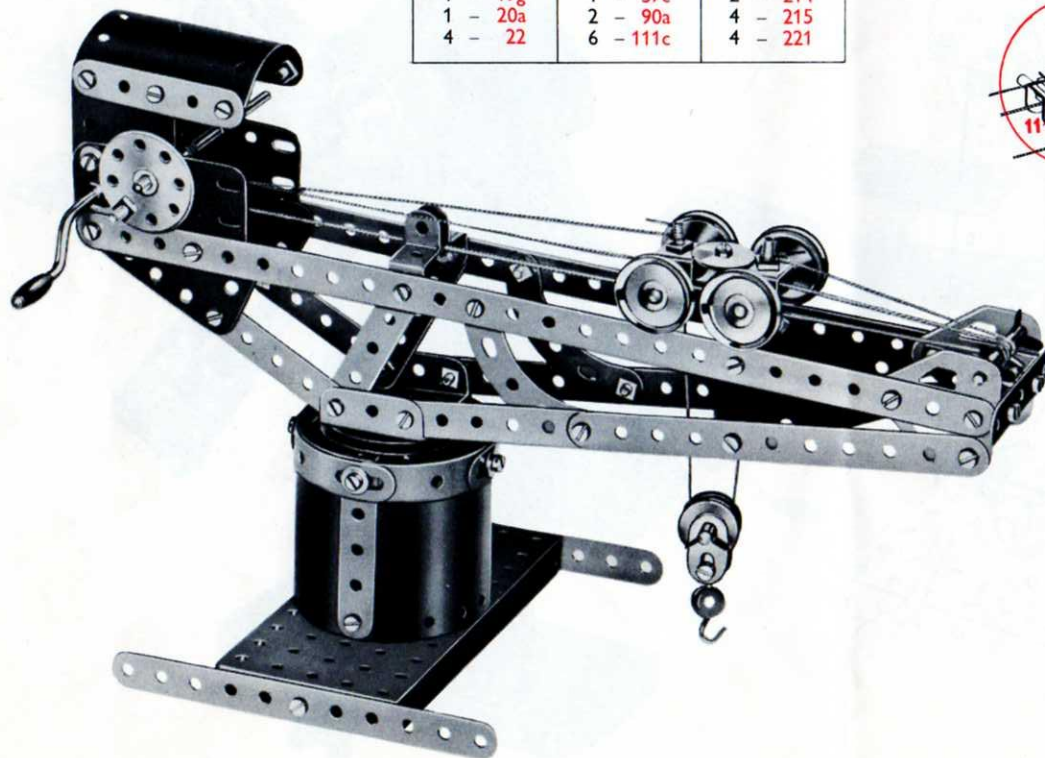
3.11

2	-	1
6	-	2
8	-	5
4	-	10
2	-	11
9	-	12
1	-	15b
1	-	19g
1	-	20a
3	-	22
2	-	35
60	-	37a
54	-	37b
6	-	38
1	-	40
2	-	48a
1	-	52
2	-	90a
6	-	111c
2	-	125
2	-	126
2	-	126a
1	-	155
1	-	176
2	-	188
2	-	189
1	-	191
2	-	192
2	-	214
4	-	215
4	-	221

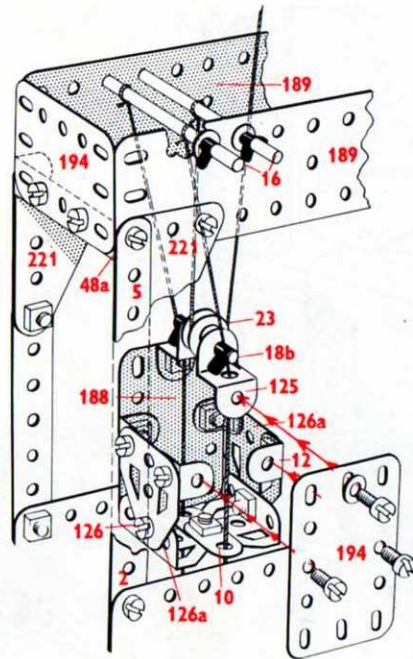


3.12 Block-setting Crane

3.12	2 - 1	1 - 23	2 - 125
	6 - 2	2 - 24	2 - 126
	9 - 5	8 - 35	2 - 126a
	4 - 10	60 - 37a	1 - 176
	2 - 11	52 - 37b	2 - 188
	10 - 12	10 - 38	1 - 190
	2 - 16	2 - 38d	1 - 191
	2 - 17	1 - 40	2 - 194
	1 - 18a	2 - 48a	1 - 194a
	1 - 18b	1 - 52	1 - 200
	1 - 19g	1 - 57c	2 - 214
	1 - 20a	2 - 90a	4 - 215
	4 - 22	6 - 111c	4 - 221

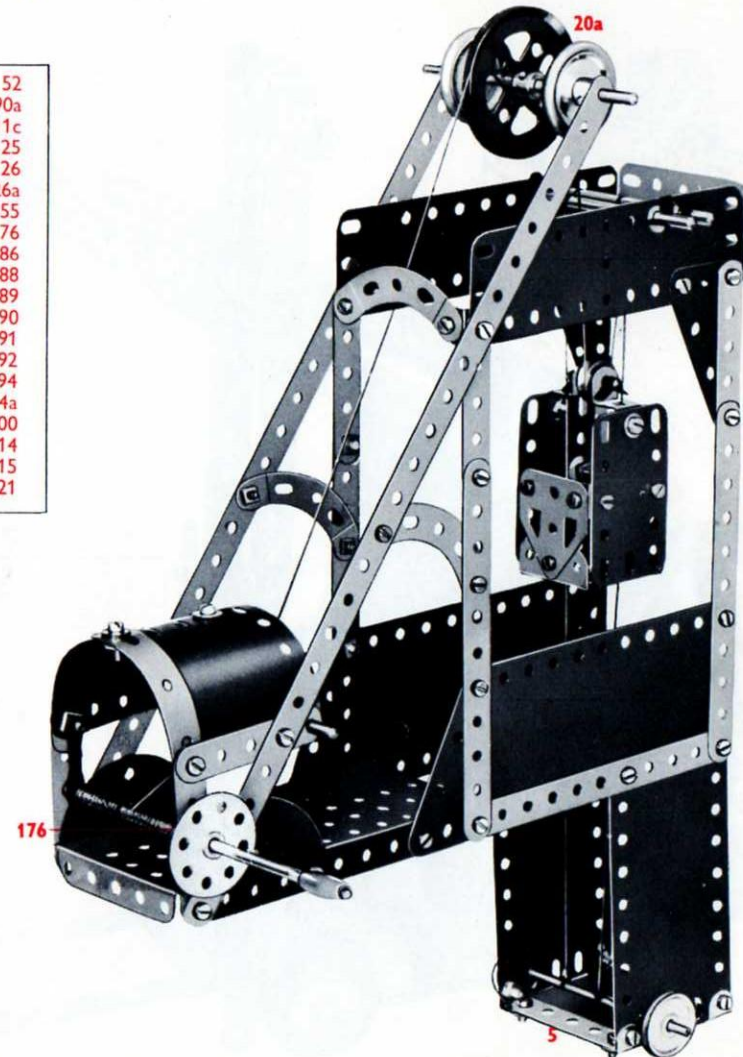
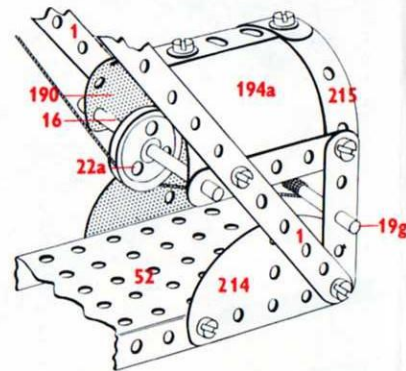


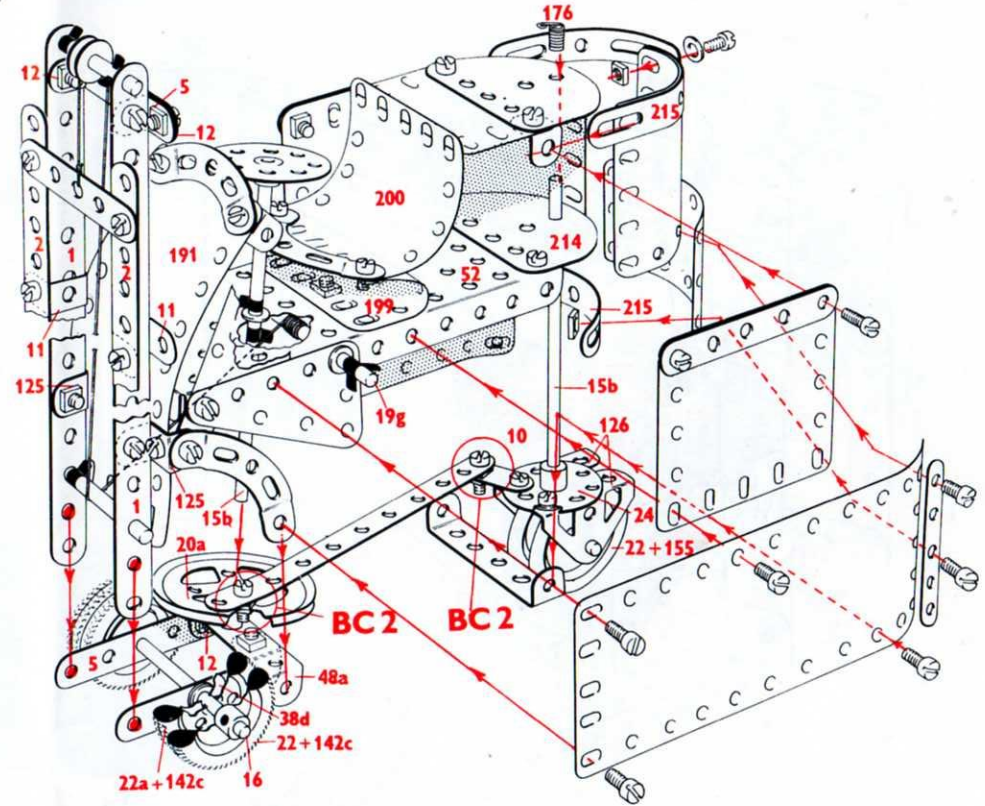
3.13 Pit-head Gear



3.13

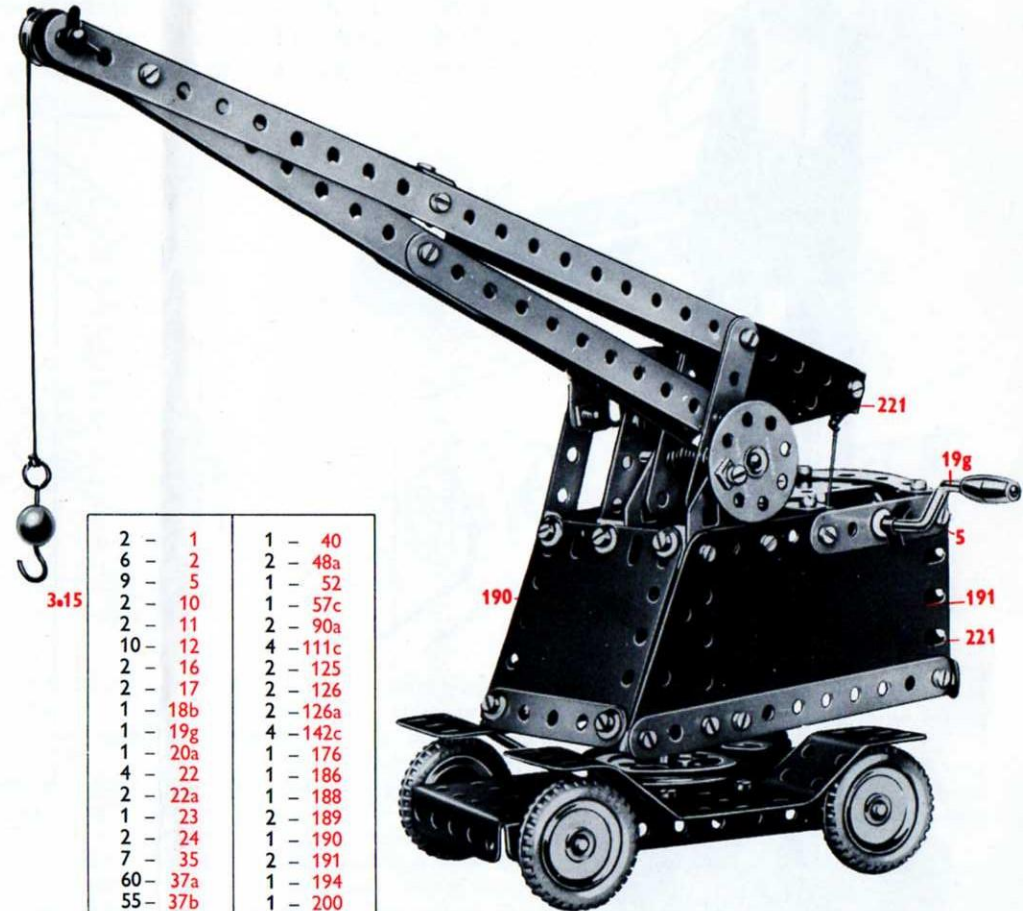
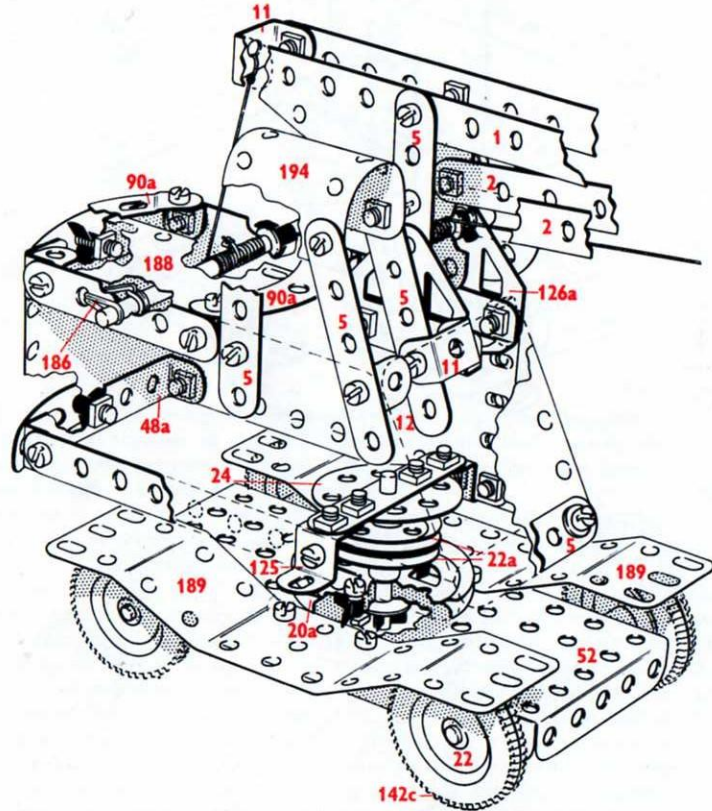
2 -	1	1 -	52
6 -	2	4 -	90a
9 -	5	4 -	111c
2 -	10	2 -	125
10 -	12	2 -	126
2 -	15b	2 -	126a
3 -	16	2 -	155
1 -	18b	1 -	176
1 -	19g	1 -	186
1 -	20a	2 -	188
4 -	22	2 -	189
1 -	22a	1 -	190
1 -	23	2 -	191
1 -	24	2 -	192
8 -	35	1 -	194
60 -	37a	1 -	194a
56 -	37b	1 -	200
10 -	38	2 -	214
1 -	40	4 -	215
2 -	48a	4 -	221





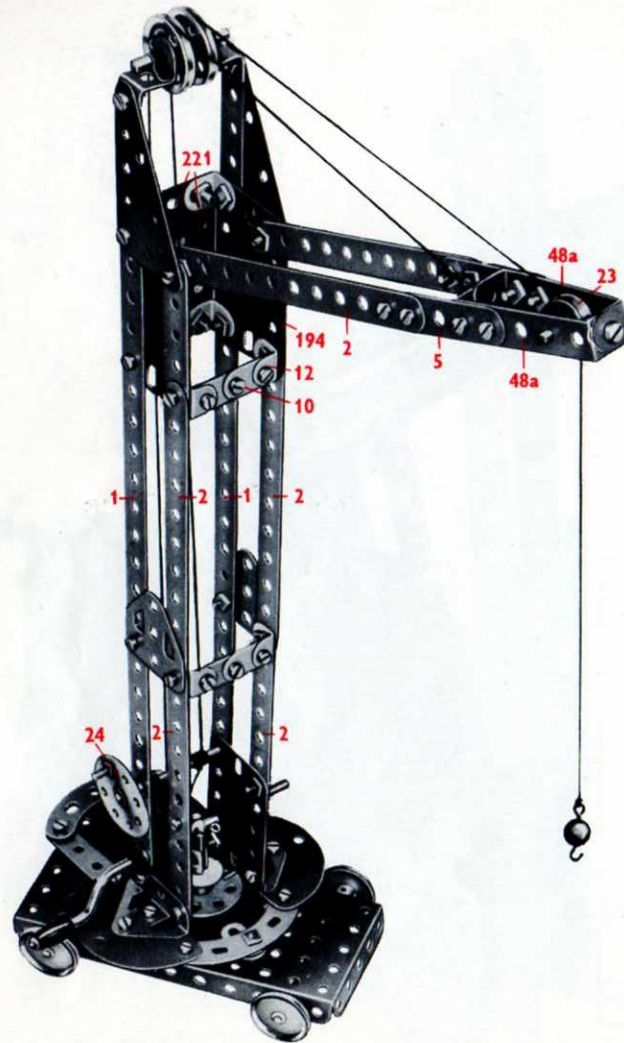
2 - 1	1 - 20a	2 - 48a	1 - 191
5 - 2	4 - 22	1 - 52	2 - 192
9 - 5	2 - 22a	4 - 90a	1 - 194
3 - 10	1 - 23	3 - 111c	2 - 194a
2 - 11	2 - 24	2 - 125	1 - 199
10 - 12	8 - 35	2 - 126	1 - 200
2 - 15b	60 - 37a	4 - 142c	2 - 214
1 - 16	55 - 37b	2 - 155	3 - 215
2 - 17	10 - 38	1 - 176	4 - 221
1 - 18a	2 - 38d	2 - 188	
1 - 19g	1 - 40	2 - 190	

3.15 Mobile Crane



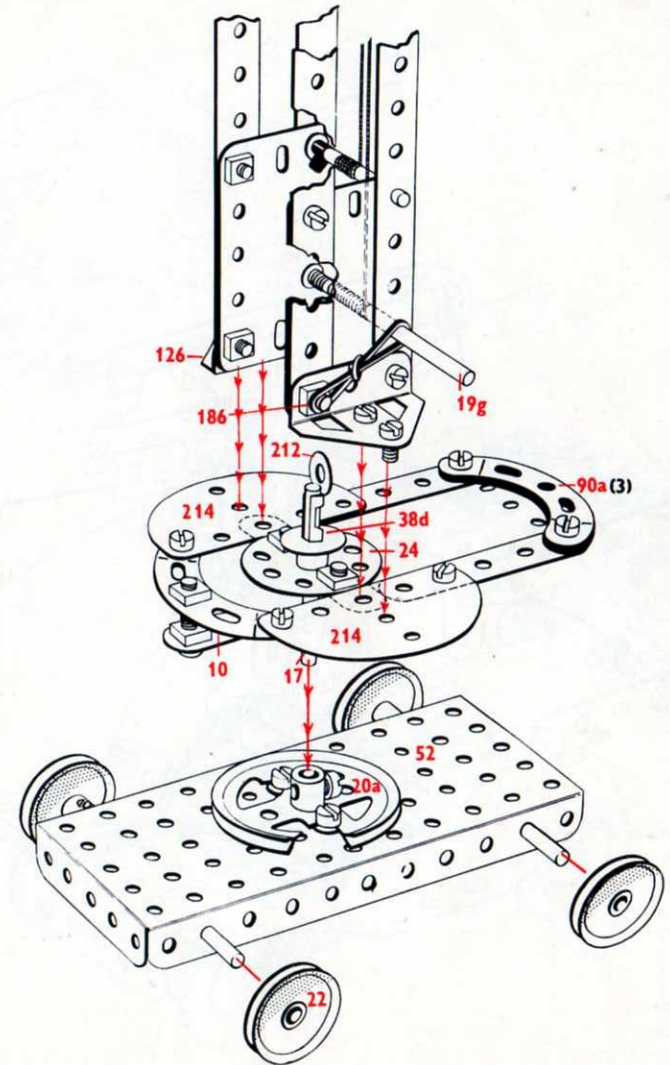
2 -	1	1 -	40
6 -	2	2 -	48a
9 -	5	1 -	52
2 -	10	1 -	57c
2 -	11	2 -	90a
10 -	12	4 -	111c
2 -	16	2 -	125
2 -	17	2 -	126
1 -	18b	2 -	126a
1 -	19g	4 -	142c
1 -	20a	1 -	176
4 -	22	1 -	186
2 -	22a	1 -	188
1 -	23	2 -	189
2 -	24	1 -	190
7 -	35	2 -	191
60 -	37a	1 -	194
55 -	37b	1 -	200
8 -	38	4 -	221
1 -	38d		

3.16 Monotower Crane



3.16

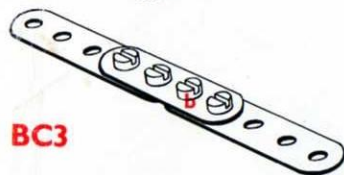
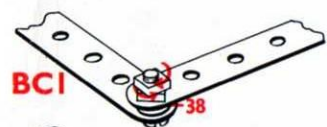
2	-	1
6	-	2
9	-	5
5	-	10
8	-	12
2	-	16
2	-	17
1	-	18a
1	-	18b
1	-	19g
1	-	20a
4	-	22
2	-	22a
1	-	23
2	-	24
7	-	35
59	-	37a
48	-	37b
9	-	38
1	-	38d
1	-	40
2	-	48a
1	-	52
1	-	57c
4	-	90a
6	-	111c
2	-	125
2	-	126
2	-	126a
1	-	176
1	-	186
2	-	188
1	-	190
2	-	194
1	-	212
2	-	214
4	-	221



Basic Meccano Constructions

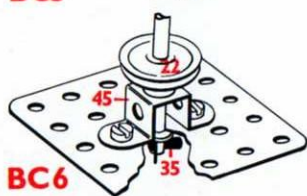
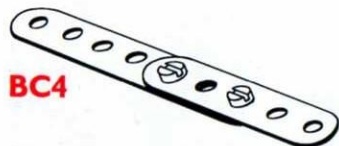
Certain standard assemblies of Meccano parts called 'Basic Meccano Constructions' are used frequently in all kinds of models. Some of them are illustrated on this page, and each assembly bears an identifying code mark printed in Red. When this particular form

of assembly is used in a model shown in this Book it is indicated on the model illustration by its code mark. When you see BC1 for example the construction of that section of the model is similar to BC1 on this page.



BC1 is a method of joining two Strips or other parts together so that they can swivel or move in relation to each other. It is known as 'lock-nutting' and makes use of two nuts on the holding bolt. The nuts are tightened against each other by turning them in opposite directions, as shown by the arrows. *The nuts must not grip the Strips tightly.* **BC2** is another method of 'lock-nutting' two Strips or other parts together. In this method two nuts, one above and one below Strip a, are tightened against it by turning them as indicated by arrows.

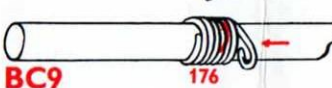
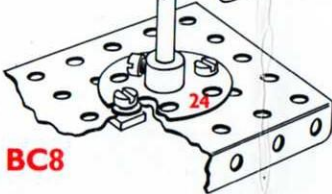
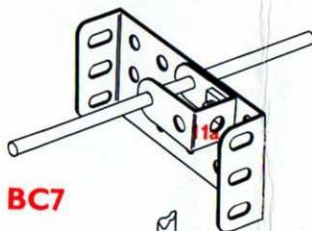
BC3 is two Strips joined end-to-end by a shorter Strip b bolted to their faces. This is known as a 'butt joint'.



BC4 is two Strips joined together by two bolts and nuts, the Strips overlying each other by two or more holes as required.

BC5 is an Obtuse Angle Bracket (12c) used to join two Strips end-to-end at an angle to each other. This form of assembly is often used in attaching the roof to the side walls of a model.

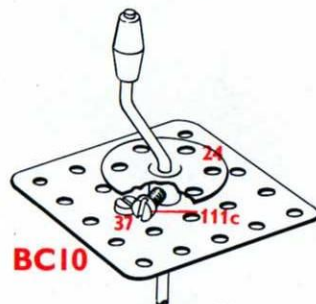
BC6 is a sturdy bearing or support for a rotating Rod made from a Double Bent Strip (45) bolted to a Plate. The Rod is pushed through the Double Bent Strip and the Plate and a Washer is placed on it, a Spring Clip (35) being used to hold the Rod in position. Another form of this construction is shown in BC13.



BC7 is a 1" x 1/4" Double Bracket (11a) bolted to a Plate or other part to provide an extended support or bearing for a Rod.

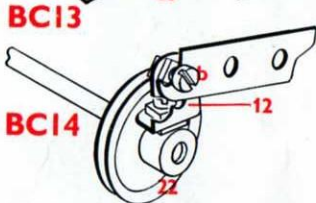
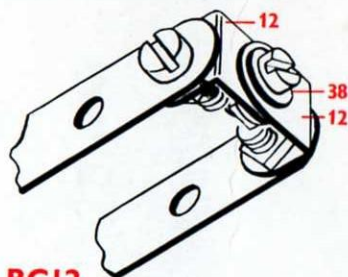
BC8 is a strong support for a fixed Rod provided by gripping the Rod in a Bush Wheel (24) bolted to a baseplate.

BC9 is a Cord Anchoring Spring (176) providing a non-slip method of attaching Cord to a Rod. The Spring is fitted to the Rod by pushing it while turning it clockwise, as shown by the arrows, so that its coils tend to unwind. Turn in the same direction when pulling the Spring off the Rod.



BC10 is a useful brake for a winding handle of a crane, etc, formed by the head of a 3/8" Bolt (111c) fixed in the boss of a Bush Wheel (24) engaging a Bolt 37 when the Crank Handle is turned. The Crank Handle must be free to slide about 1/4" in its bearings so that when it is pulled outwards the bolt heads do not engage and the handle is free to turn. The Handle is pushed inwards to engage the brake.

BC11 is a method of assembling a jib-head pulley for a simple crane. The Pulley (23) is placed on a long bolt held by three nuts in the Strips of the jib.

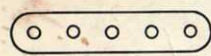


BC12 is two Angle Brackets (12) bolted together to form a 'U' shaped bridging piece. In this example this construction is used to link together Strips forming the sides of a crane jib.

BC13 is an alternative form of bearing to BC6 and uses a Reversed Angle Bracket (125) instead of a Double Bent Strip (45).

BC14 is a crank device formed by an Angle Bracket (12) fixed by nuts and bolt to the boss of a 1" Pulley. A Strip is connected by a Bolt b, fitted with two nuts, to the other lug of the Bracket. *The nuts are tightened together to grip the Angle Bracket but leave the Strip free to move on the bolt.*

Names and Numbers of Meccano Parts used in No. 2 and No. 3 Outfit Models



Perforated Strip
1 25 holes 2 11 holes
5 5 holes



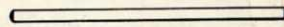
Fishplate
10



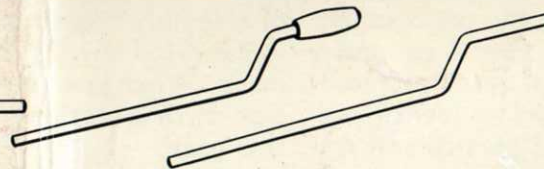
Double Bracket
11



Angle Bracket
12



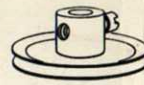
Rods
15b 4" long 16 3½" long 17 2" long
18a 1½" long 18b 1" long



Crank Handle (with grip) 19g
Crank Handle (without grip) 19s



Pulley 2" diameter
20a



Pulley (with boss) 1" diameter
22



Pulley (without boss)
1" diameter
22a



Pulley (without boss)
½" diameter
23



Bush Wheel
24



Spring Clip
35



Nut
37a



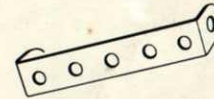
Bolt
37b



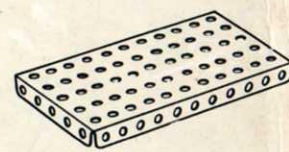
Washer
38



Washer
¾" diameter
38d



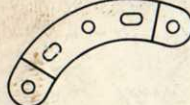
Double Angle Strip
2½" x ½"
48a



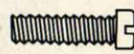
Flanged Plate
5½" x 2½"
52



Loaded Hook
57c



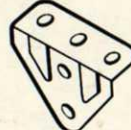
Curved Strip (Stepped)
90a



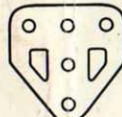
Bolt ¾" long
111c



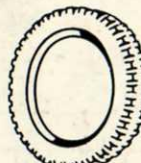
Reversed Angle Bracket
125



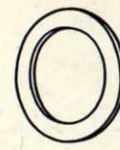
Trunnion
126



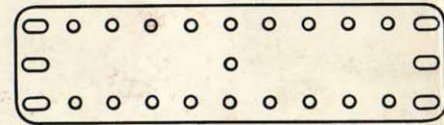
Flat Trunnion
126a



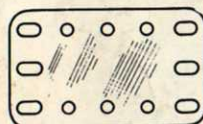
Motor Tyre
142c



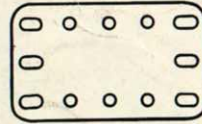
Rubber Ring
155



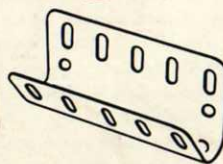
Flexible Plate
188 2½" x 1½" 189 5½" x 1½" 190 2½" x 2½" 191 4½" x 2½"
192 5½" x 2½"



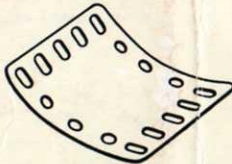
Plastic Plate (transparent)
193 2½" x 1½"



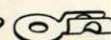
Plastic Plate (red)
194 2½" x 1½" 194a 2½" x 2½"



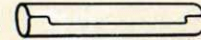
Curved Plate, U Section
199 ⅜" radius



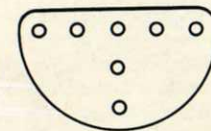
Curved Plate
200 1⅞" radius



Rod and Strip Connector
212



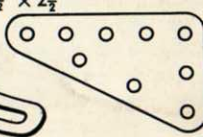
Rod Connector
213



Semi-circular Plate
214



Formed Slotted Strip
215



Triangular Flexible Plate
221

