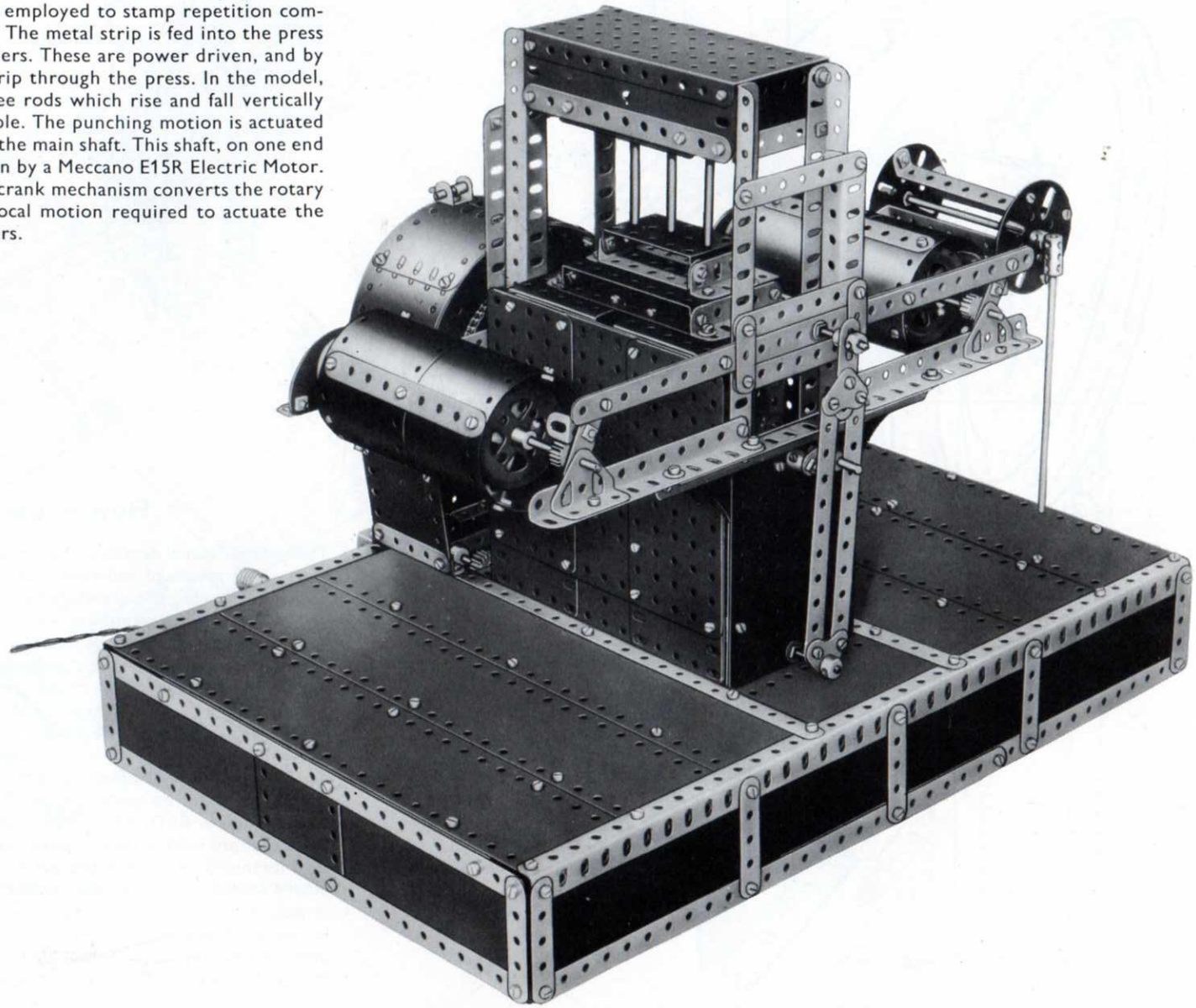
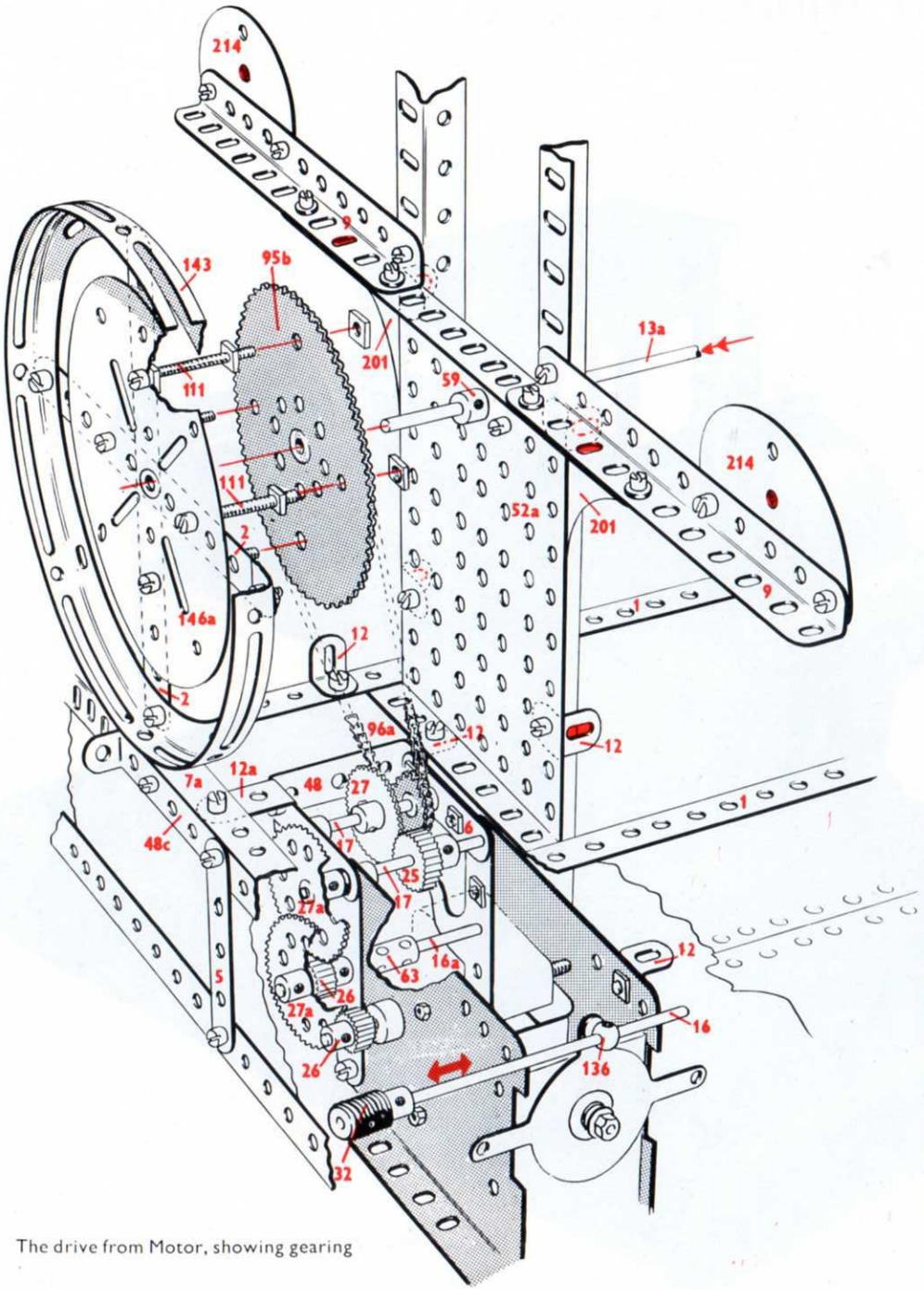
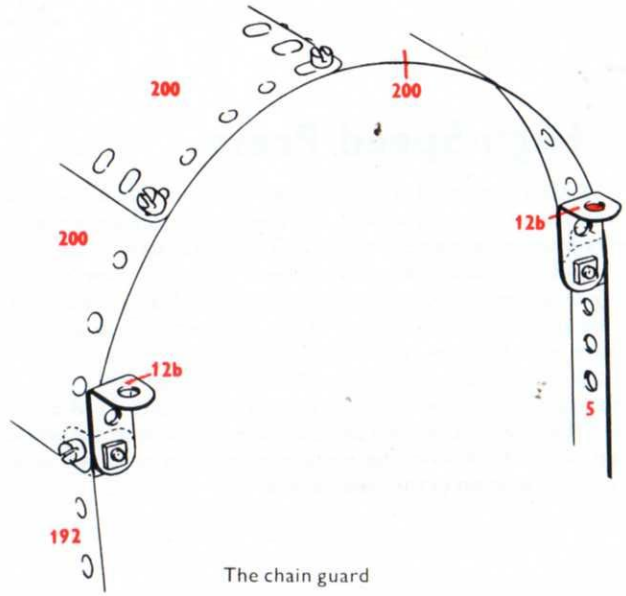
9.5 High-Speed Press

This Meccano model of a High-Speed Press is based on equipment in common use in industry where it is employed to stamp repetition components from strip steel or tinplate. The metal strip is fed into the press from a reel and passes over two rollers. These are power driven, and by turning intermittently, carry the strip through the press. In the model, the punching device consists of three rods which rise and fall vertically and mate with holes in the work table. The punching motion is actuated by means of an eccentric drive from the main shaft. This shaft, on one end of which is a heavy flywheel, is driven by a Meccano E15R Electric Motor. At the other end of the main shaft a crank mechanism converts the rotary motion of the shaft into the reciprocal motion required to actuate the intermittent motion of the feed rollers.





The drive from Motor, showing gearing



The chain guard

How to use this leaflet

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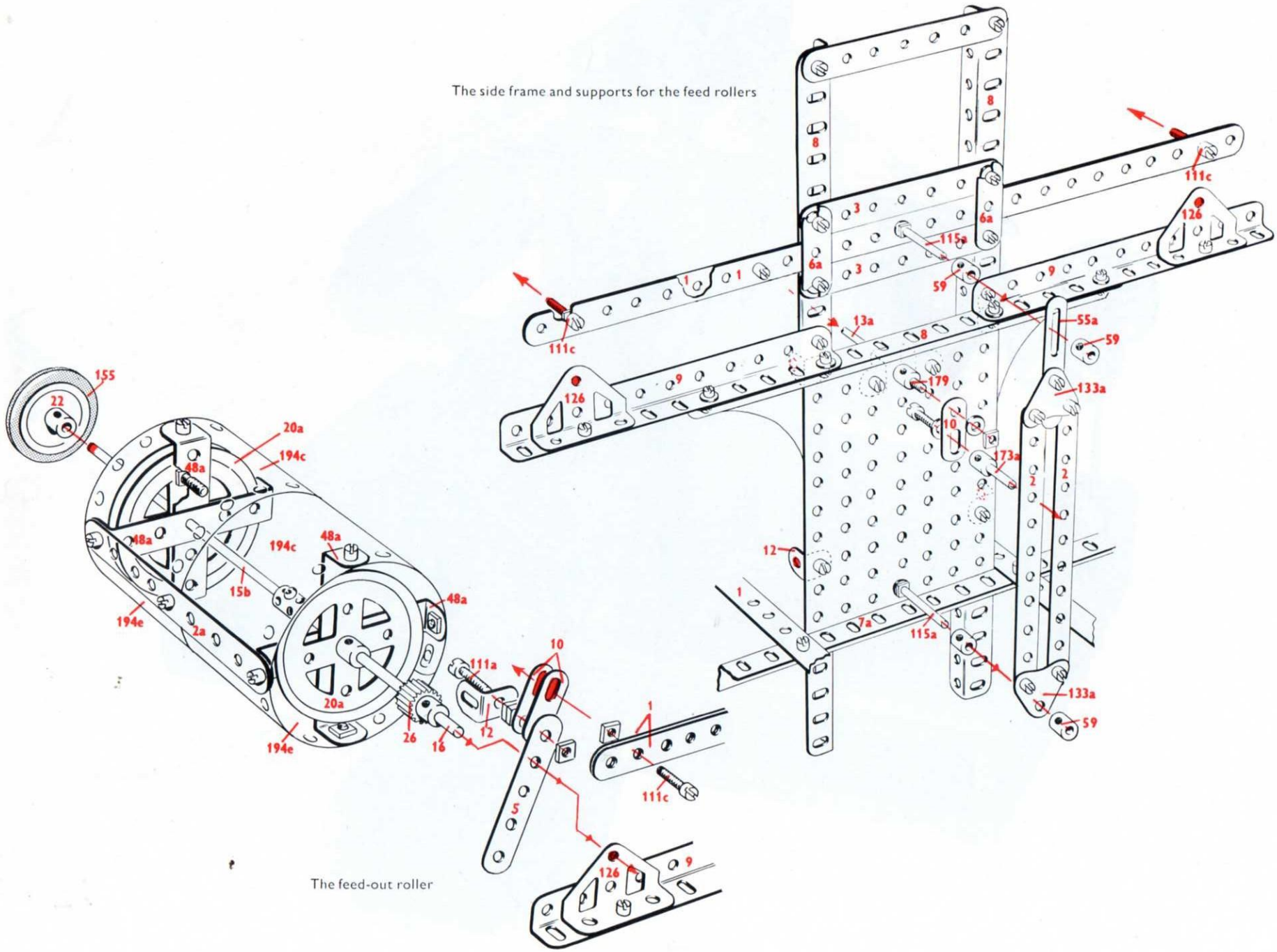
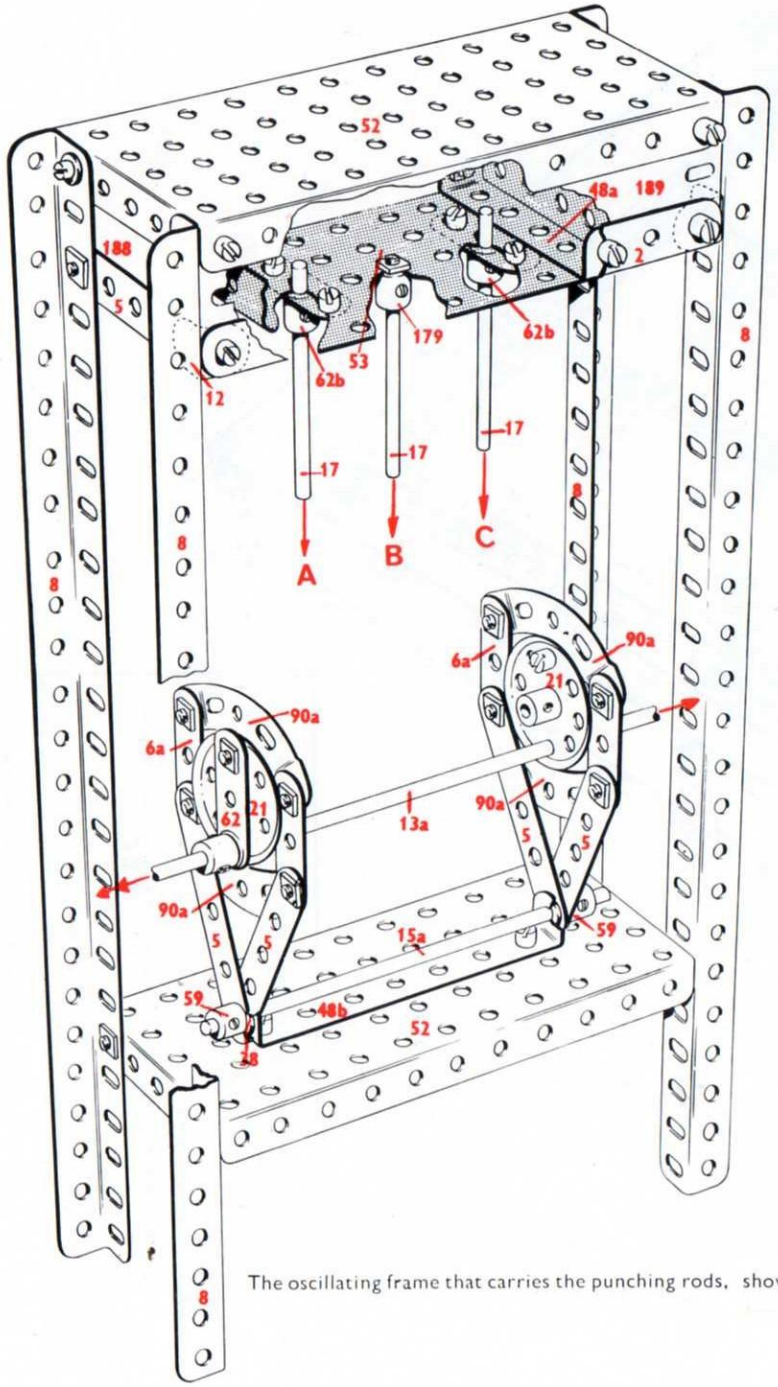
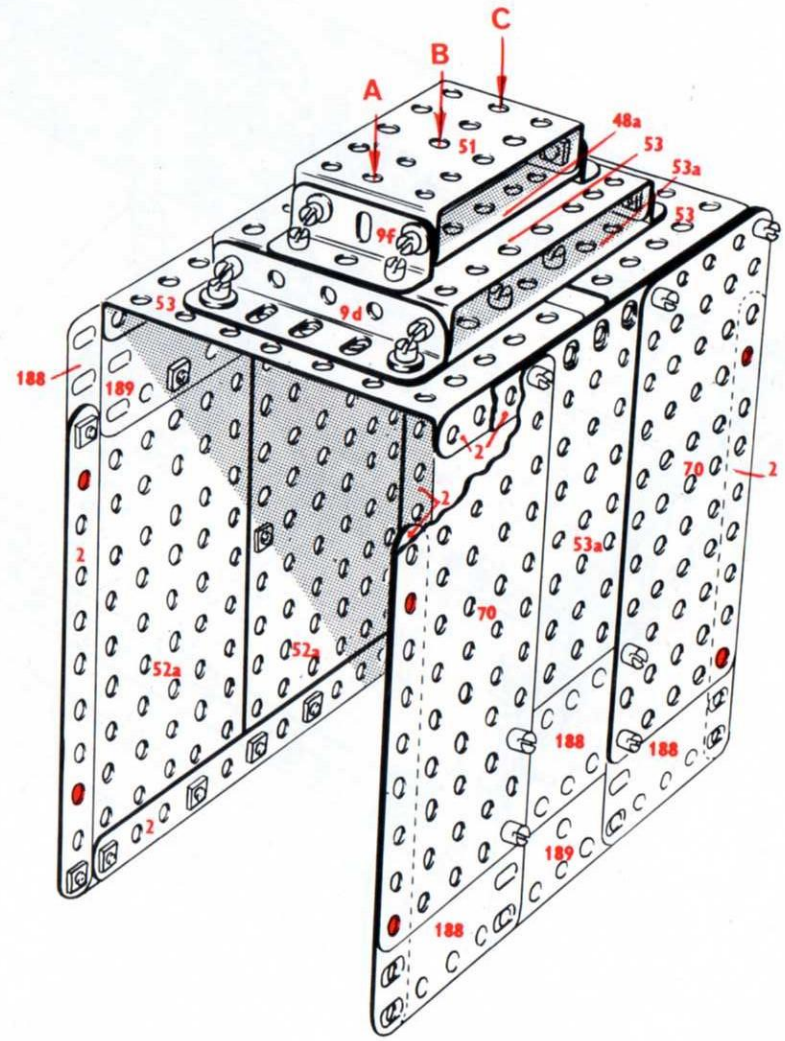
The side frame and supports for the feed rollers



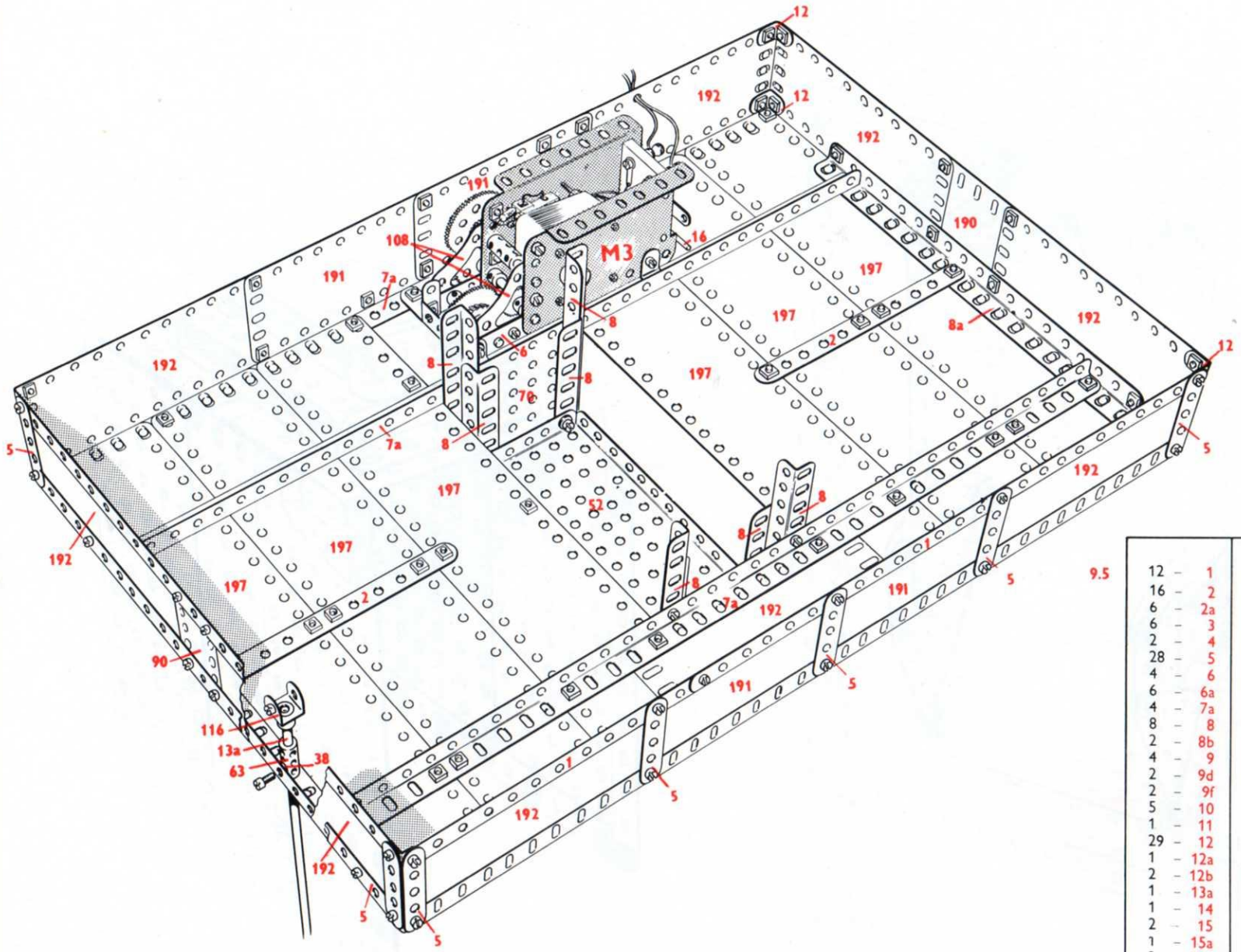
The feed-out roller



The oscillating frame that carries the punching rods, showing the driving eccentrics



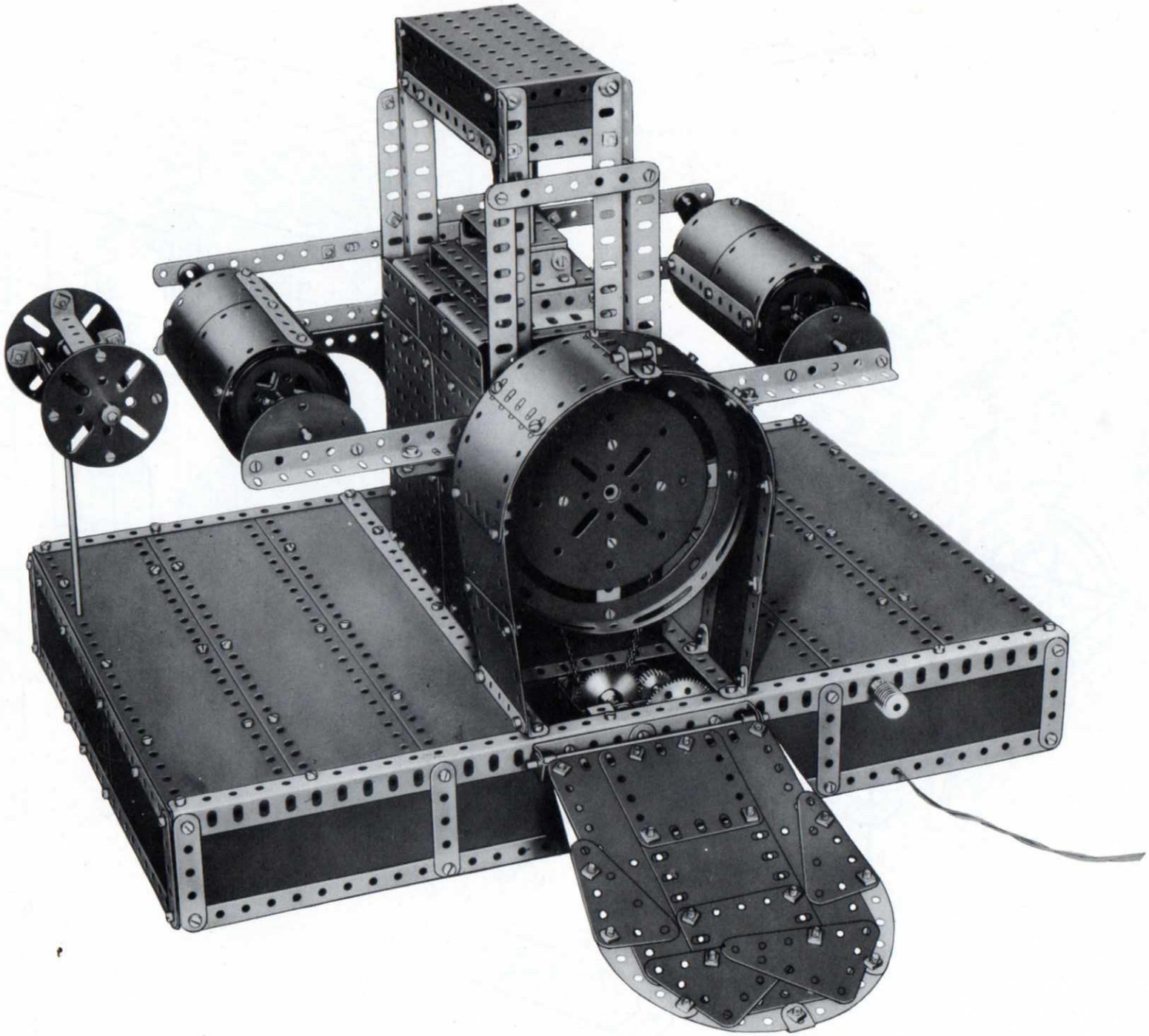
The Press bed and supporting frame

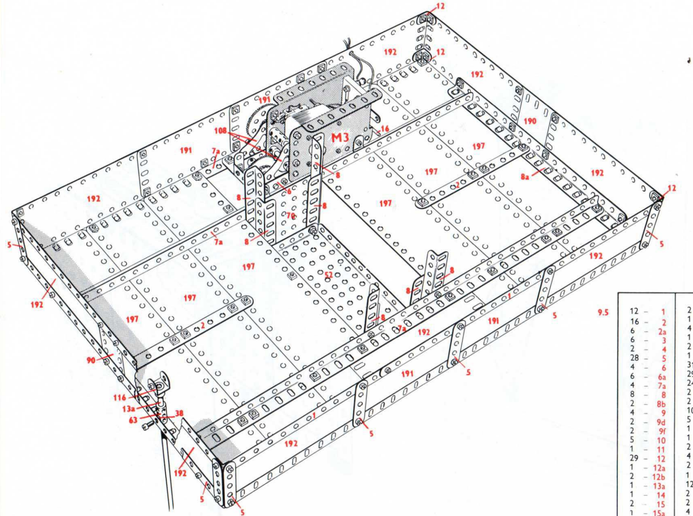


Underneath view of the base of the Press showing location of the driving Motor

9.5

12	1	2	22	4	111
16	2	1	25	8	111c
6	2a	4	26	2	115a
6	3	1	27	1	116
2	4	2	27a	2	126
28	5	1	32	2	133a
4	6	316	37a	1	136
6	6a	294	37b	1	143
4	7a	24	38	1	146a
8	8	2	45	1	154a
2	8b	2	46	1	154b
4	9	10	48a	2	155
2	9d	5	48b	1	173a
2	9f	1	48c	1	179
5	10	1	51	6	188
1	11	2	52	6	189
29	12	4	53	4	190
1	12a	2	53a	4	191
2	12b	1	55a	11	192
1	13a	12	59	4	194c
1	14	2	62	4	194e
2	15	2	62b	6	197
1	15a	4	63	6	200
2	15b	2	70	2	201
3	16	4	90	1	212a
3	16a	4	90a	2	214
3	17	1	94	8	215
1	18a	1	95b	2	221
1	18b	1	96a	2	222
4	20a	2	108		
2	21	2	109		





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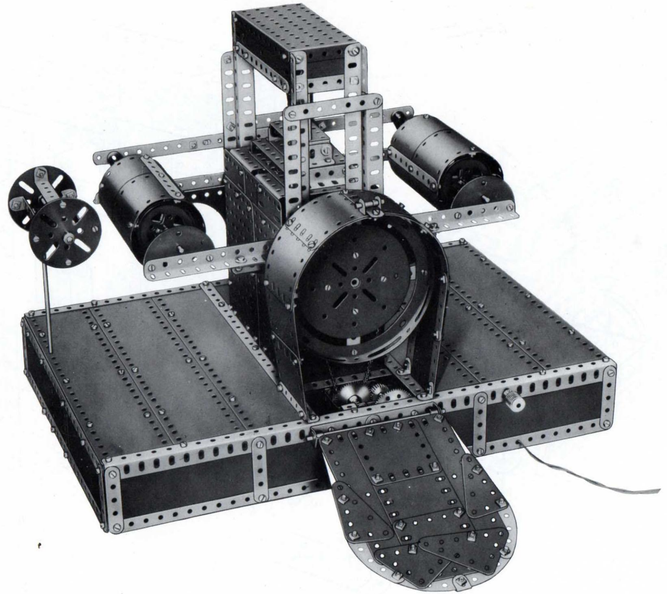
12	1	2	22	4	111
16	2	1	25	8	111c
6	2a	4	26	2	115a
6	3	1	27	1	116
2	4	2	27a	2	126
28	5	1	32	2	133a
4	6	316	37a	1	136
6	6a	294	37b	1	143
4	7a	24	38	1	146a
8	8	2	45	1	154a
2	8b	2	46	1	154b
4	9	10	48a	2	155
2	9d	5	48b	1	173a
2	9f	1	48c	1	179
5	10	1	51	6	188
1	11	2	52	6	189
29	12	4	53	4	190
1	12a	2	53a	4	191
2	12b	1	55a	11	192
1	13a	12	59	4	194c
1	14	2	62	4	194d
2	15	2	62b	6	197
1	15a	4	63	6	200
2	15b	2	70	2	201
3	16	4	90	1	212a
3	16a	4	90a	2	214
3	17	1	94	8	215
1	18a	1	95b	2	221
1	18b	1	96a	2	222
4	20a	2	108		
2	21	2	109		



MECCANO Special Model Leaflet

10.25

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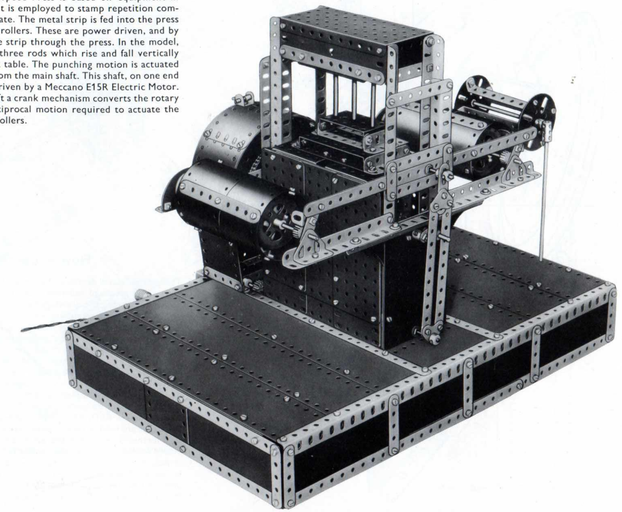

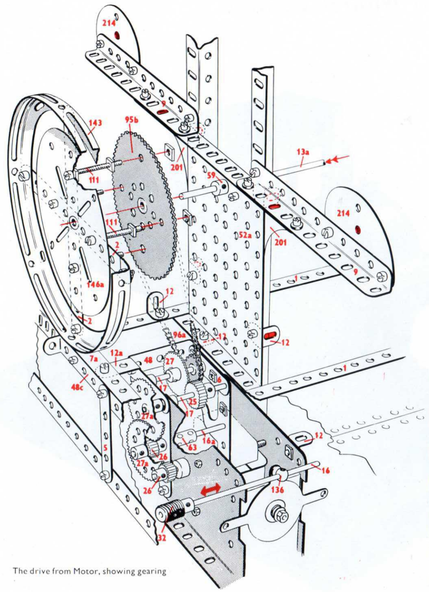

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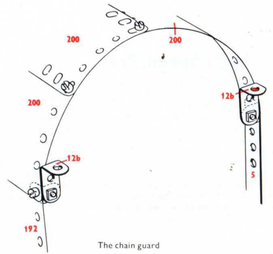

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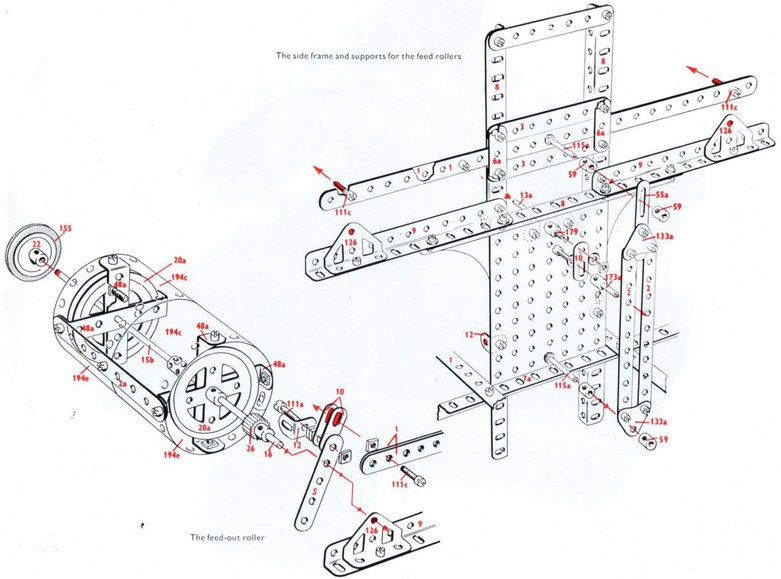
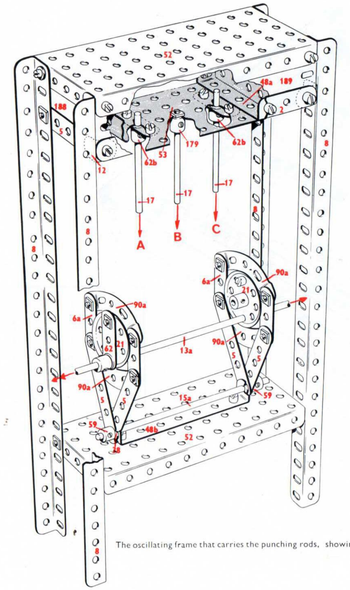


The feed-out roller



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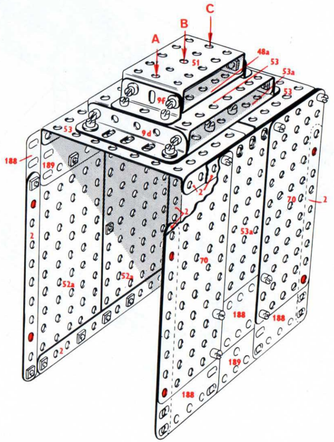

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