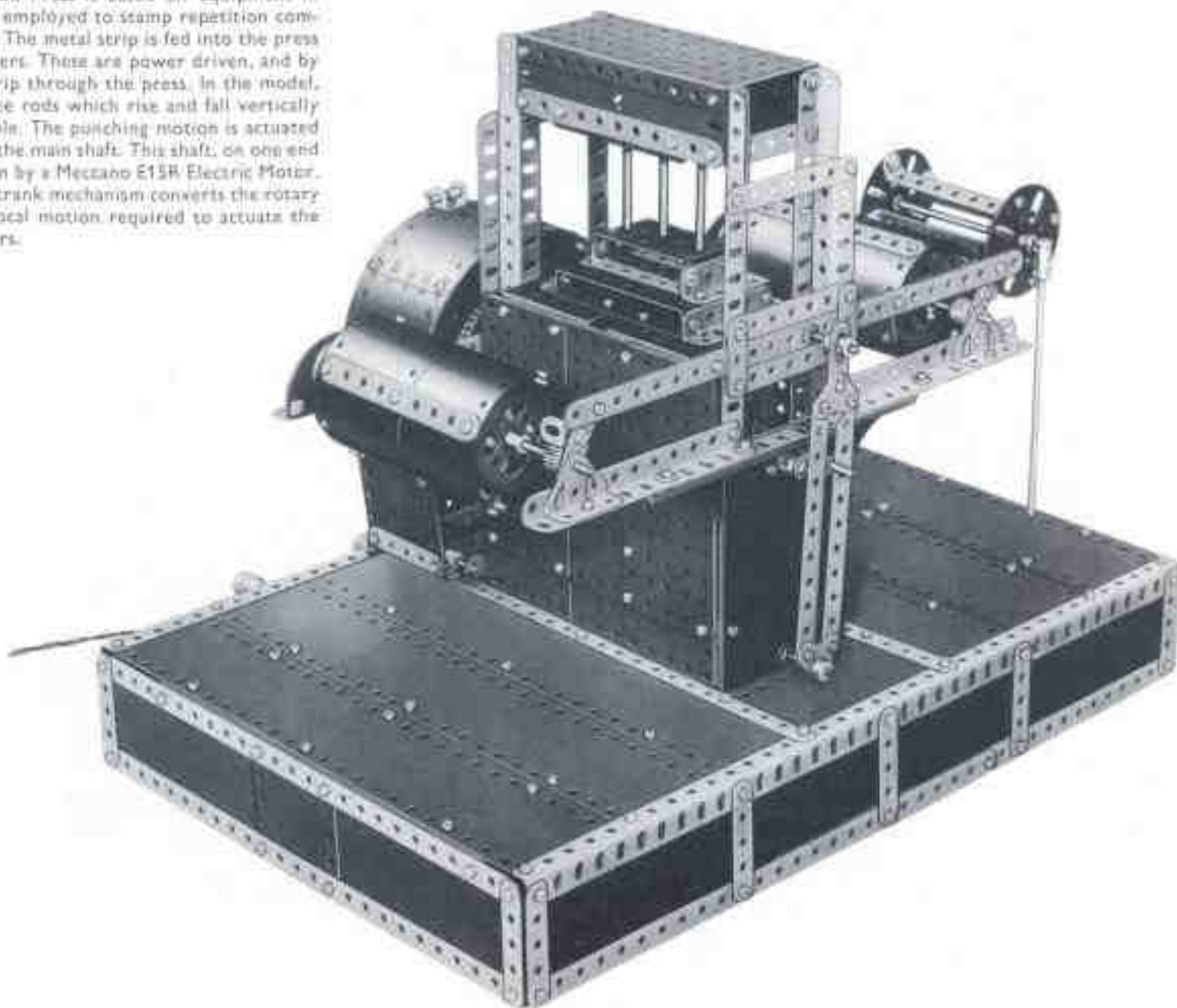
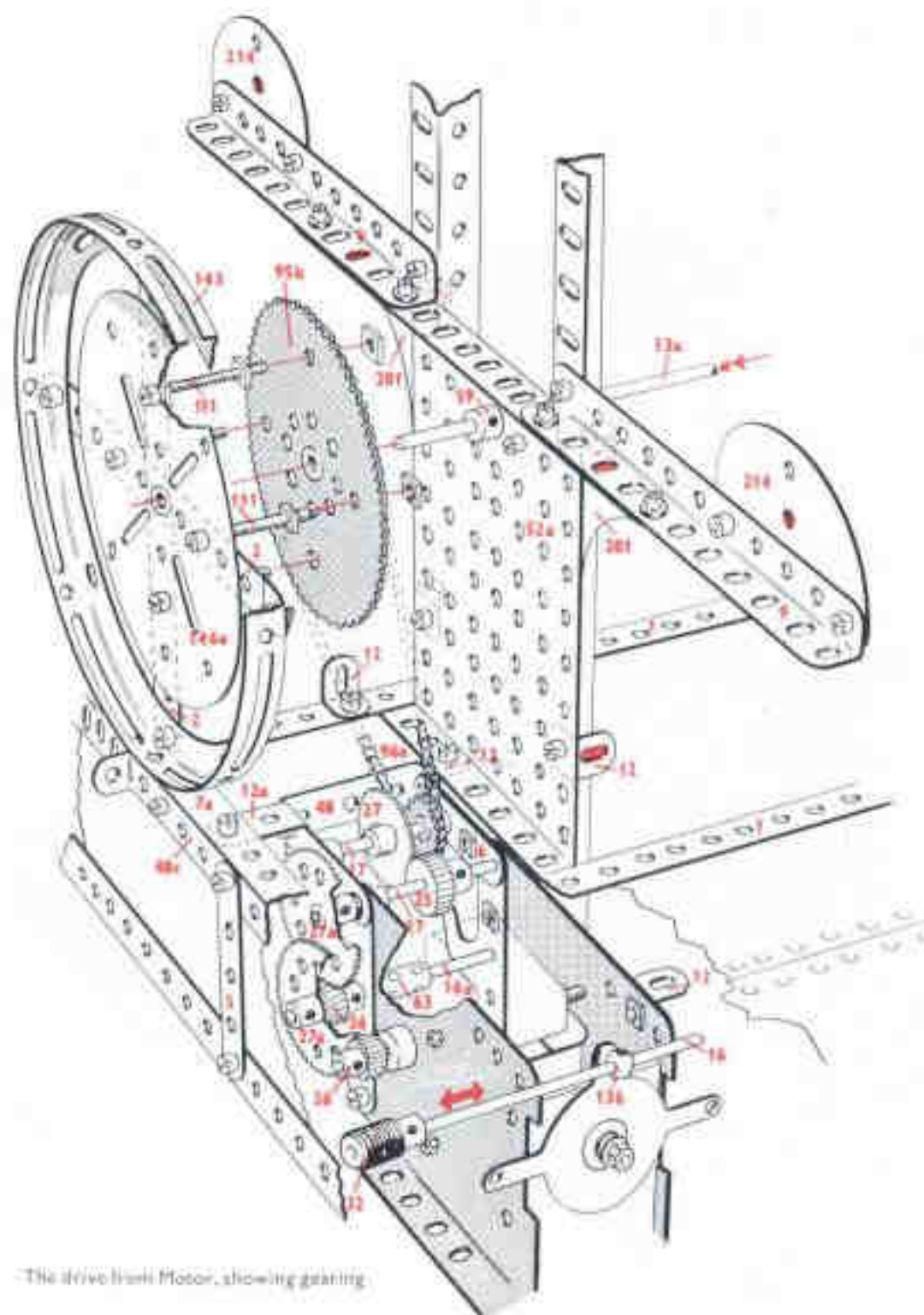


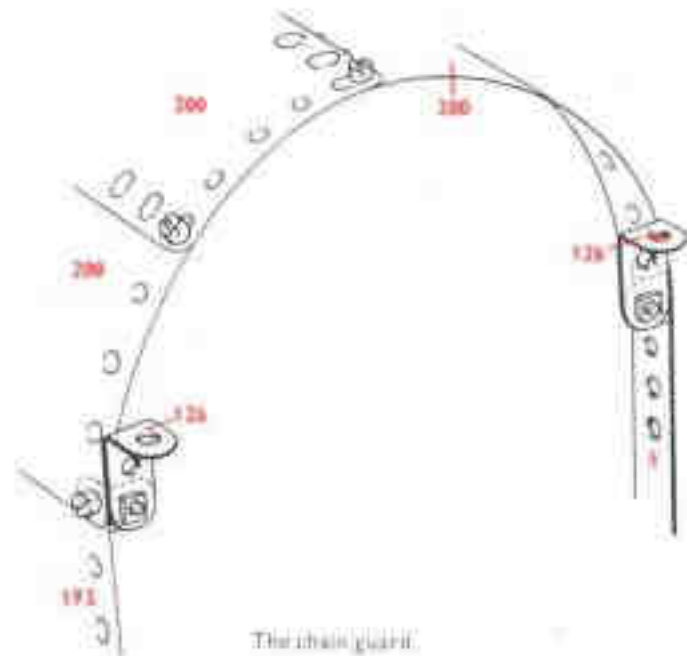
9.5 High-Speed Press

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

The constructional details of the model shown in this Leaflet are explained entirely by means of half-tone illustrations and line drawings. Once the 'knack' of reading the drawings has been acquired assembly of the model will be found quite straightforward and simple to carry out.

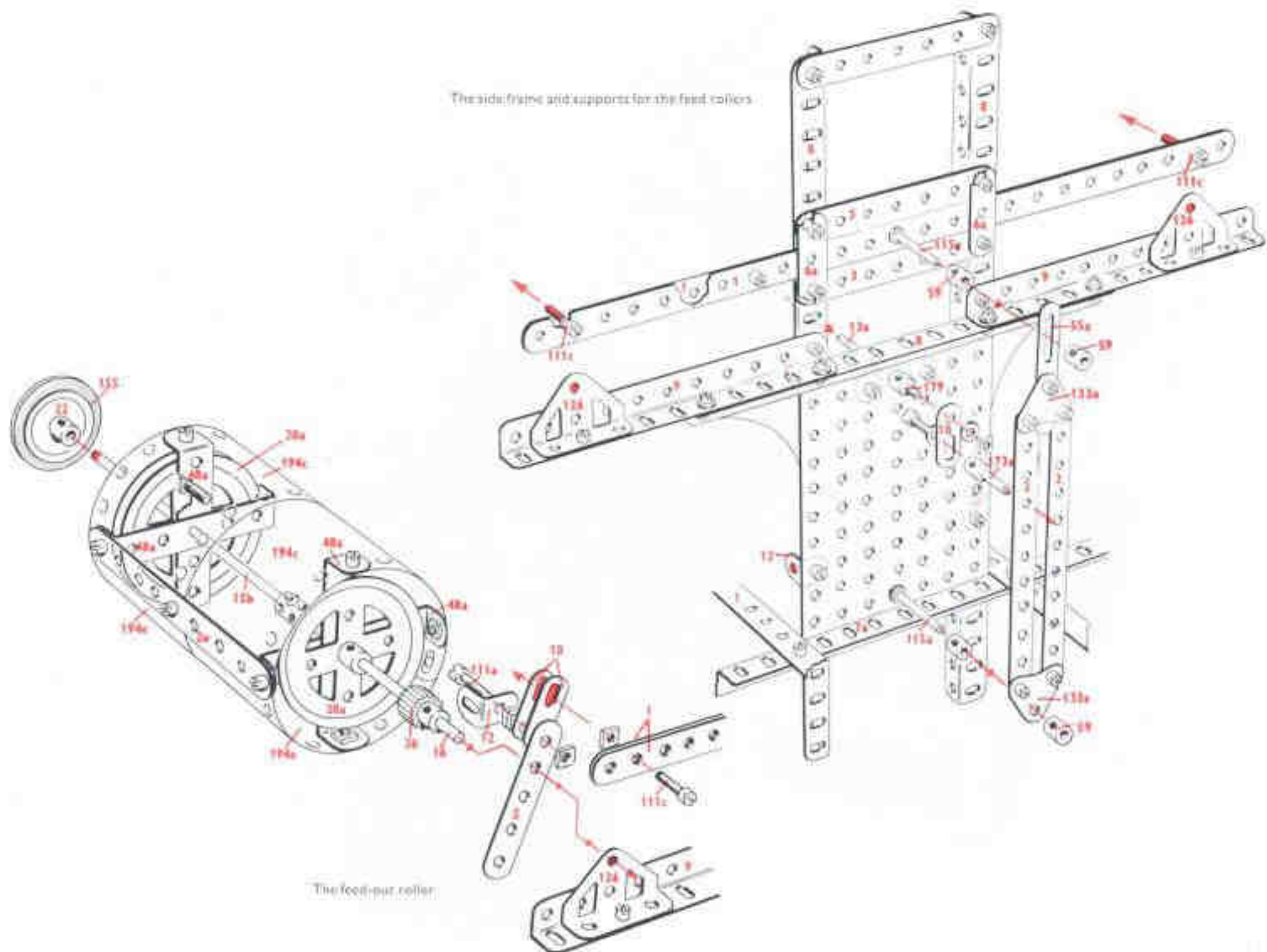
Before starting to build the model it is advisable to study all the illustrations carefully so as to get a good idea of its various sections. Points at which various units of the model are bolted together to form the complete structure are indicated in the drawings by RED DOTS or RED BOLTHEADS whenever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

The particular parts used in the assembly of the model can in most cases 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 on the model illustrations in RED. RED DOTTED pointer lines are used to indicate parts that are hidden behind other parts of the structure.

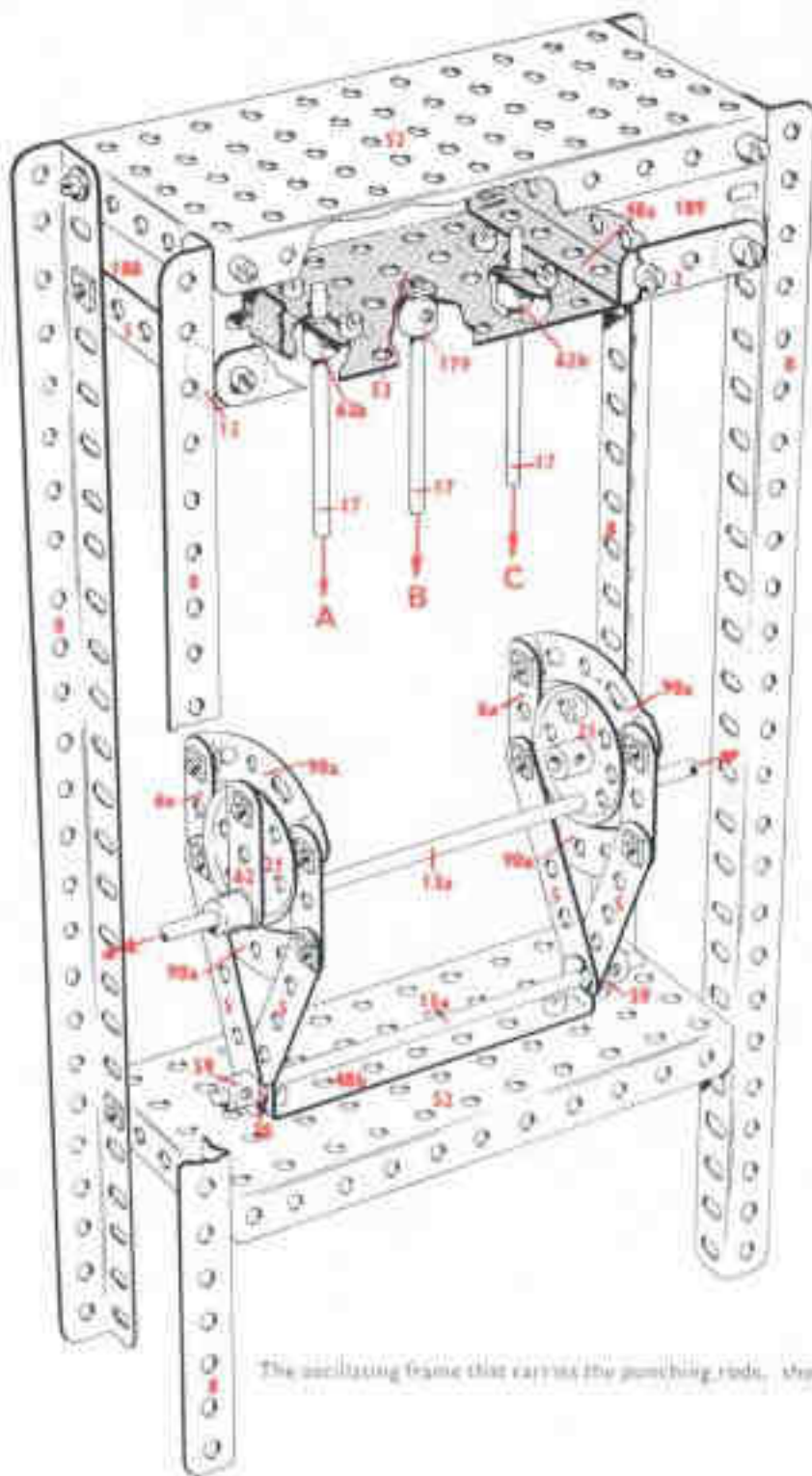
As a further help a list of the parts required to build the model is given in this Leaflet. In this list the catalogue numbers of the parts are printed in RED and the quantity of each part in BLACK.

In models fitted with a driving Motor the particular type of Motor is indicated by one of the following Code Marks: M1 = Magic Clockwork Motor; M2 = No. 1 Clockwork Motor; M3 = Meccano Electric Motor.

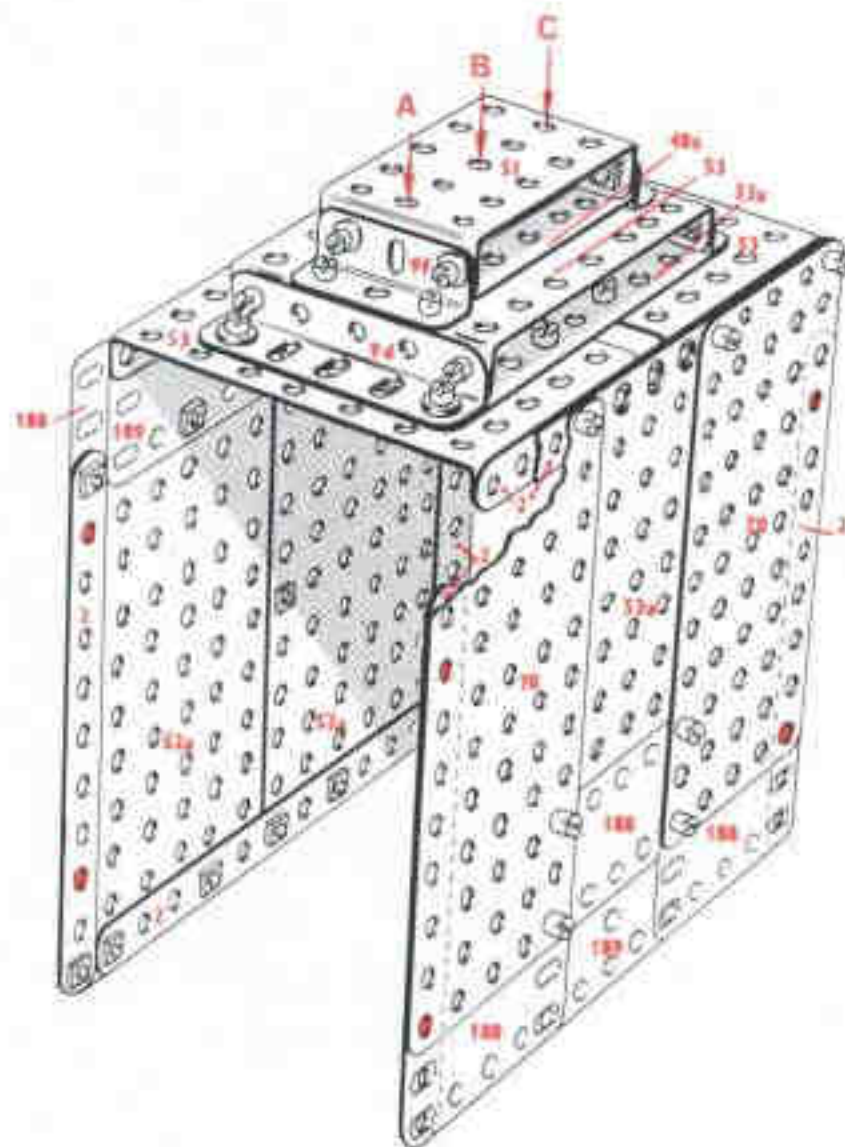
The side frame and supports for the feed rollers



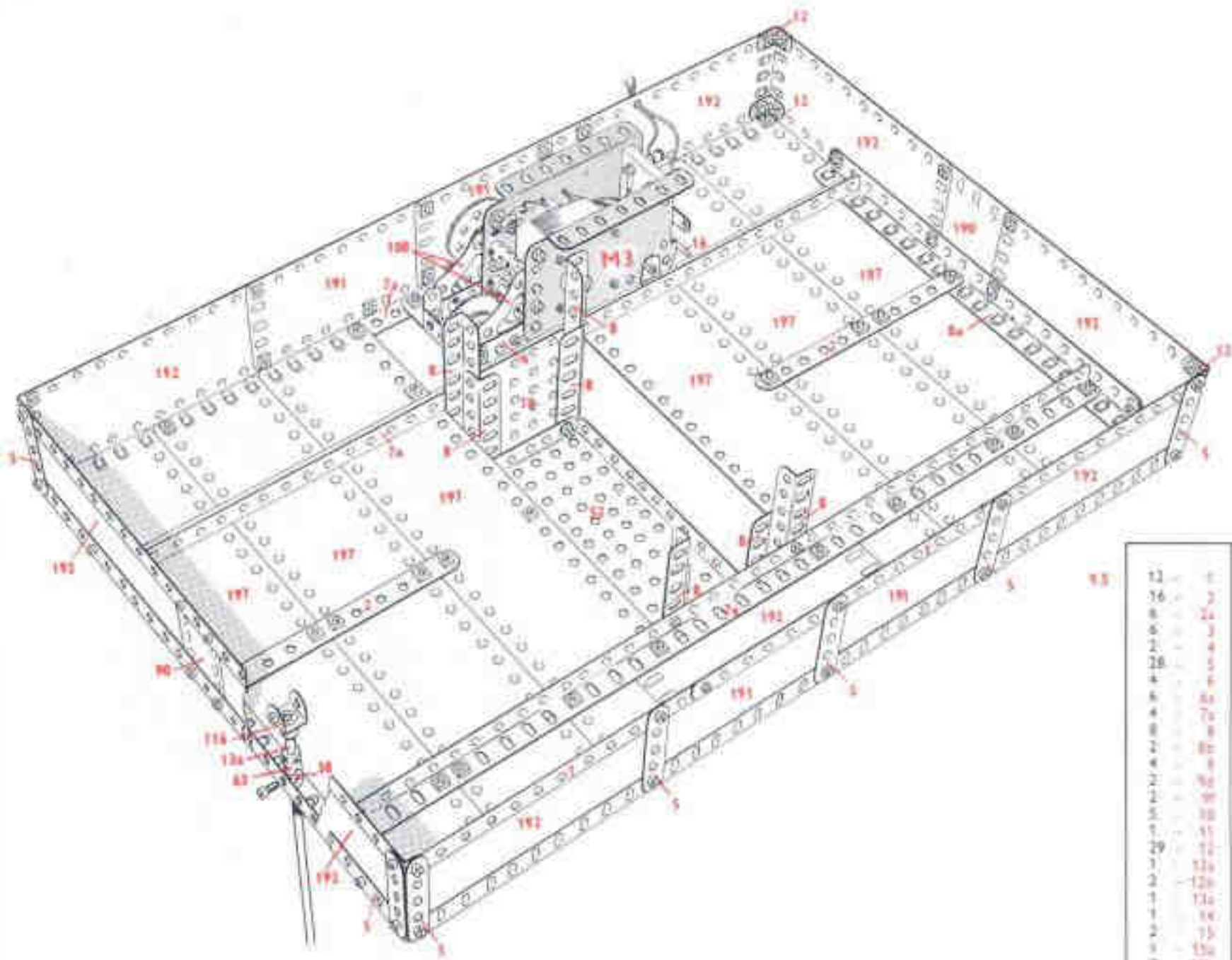
The feed-pur roller



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



The Press bed and supporting frame



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

11	12	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
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