

EZY-BILT [0], [1], [2]

Australia

TYPE Mechanical Engineering

HOLE DIAMETER 4.2mm (0.1678 ins.) HOLE SPACING 12.7mm (0.5 ins)

SETS IN SYSTEM 1,2,3,4,5,6,7,8,9 1A-8A, Star Sets 3-5. Also 2 Camouflage Sets and a 'Pocket Edition'

DIFFERENT PARTS From mid 1930s to 1955 - 88 parts
From 1955 - about 1970 - 130 parts

COLOUR Plates, Pulleys red, strips green. Wheels No.32 red with grey rim.

FIXING METHOD 5/32W Nuts and bolts from around the mid 1930s. Originally, in phase [0] Clips held by wedges were used instead of nuts and bolts.

MOTORS I Clockwork

PERIOD Known in 1933 to around 1970

MANUFACTURER Phase [0]- George Irving/Ezybilt Pty. Ltd.
Phase [1]- Irving/Ezybilt Pty to about 1941, then Colton, Palmer & Preston
Phase [2]- EZY-BILT, Kilkenny.

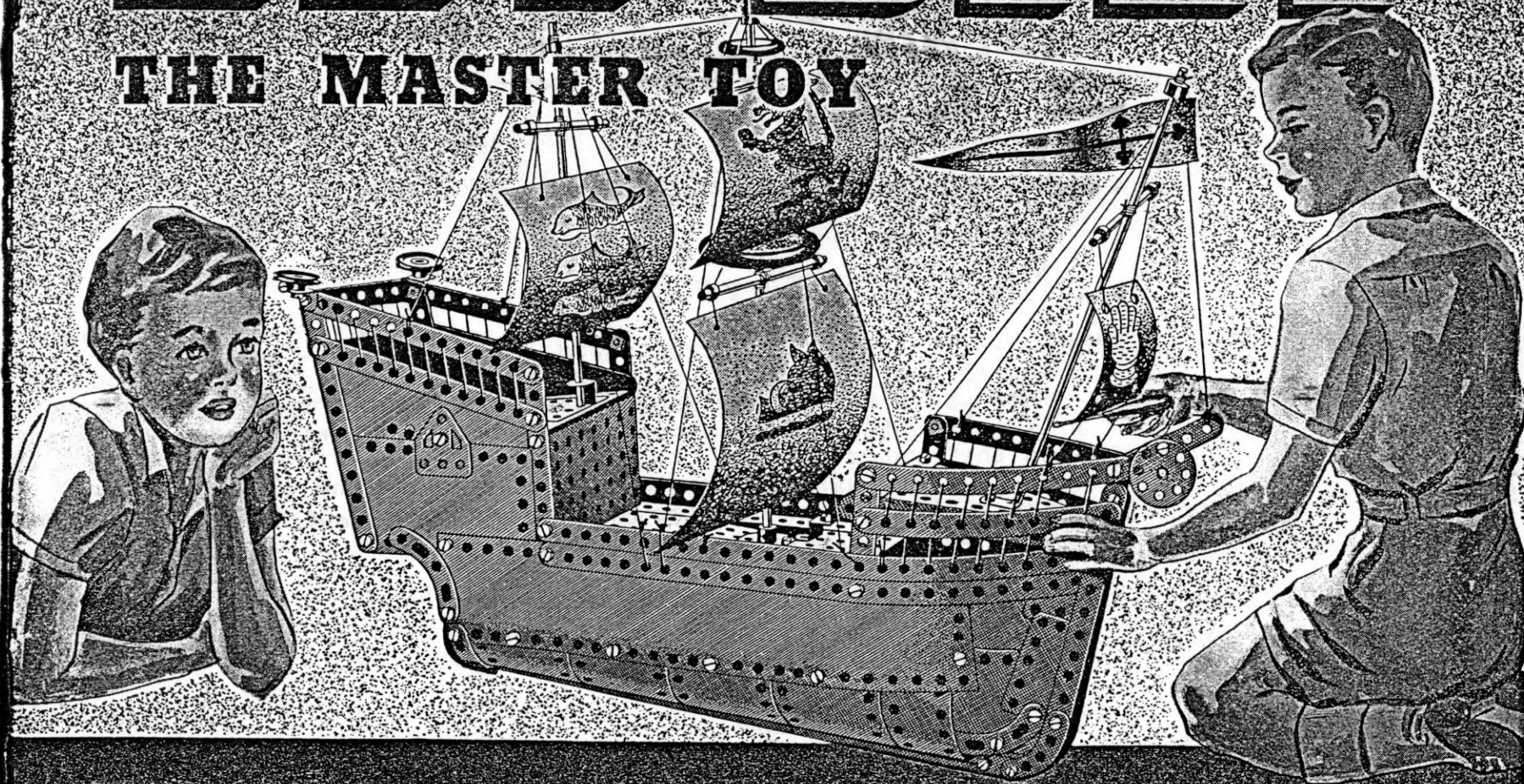
COMMENTS There are three identified phases for this system. Phase [0] to the mid 1930s. Phase [1] to 1955 and phase [2] to its end.
This was a well established, well distributed system with the largest outfit offering complex models. There were only two gears. The larger outfits were in a metal box of zinc plated metal. Almost identical to Meccano of the period. Parts were renumbered for phase[2]. During phase [2] it was also manufactured in New Zealand by Rayon Surfaces Ltd, Penrose.

OTHER SYSTEMS 7/144, 9/225, 18/523, 19/543, 22/636, 25/746, 28/837, 31/908, 31/911,
NEWSLETTER 34/1030, 37/1102, 39/1166, 43/1313

MATERIAL SUPPLIED BY F.A.B. and D.G.B Collections

EZY-BILT

THE MASTER TOY

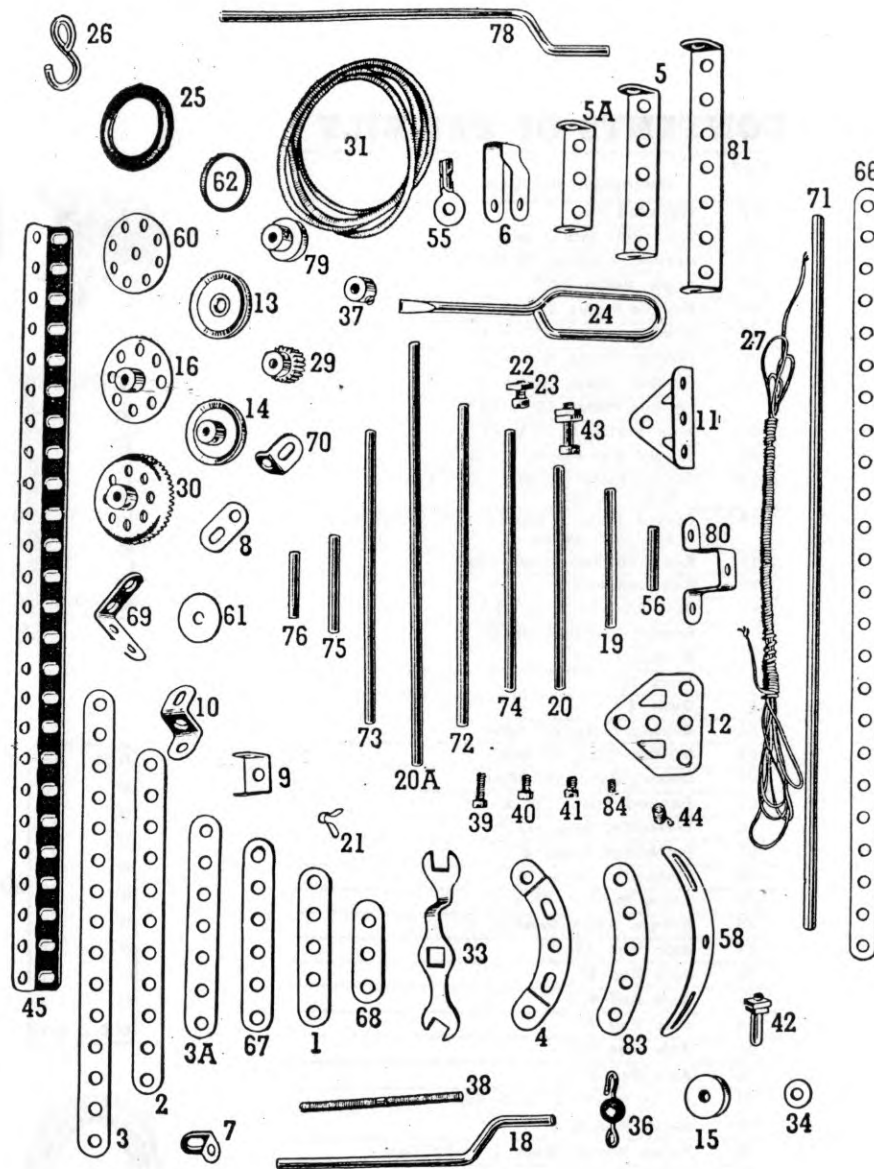


INSTRUCTION BOOK FOR SETS 6, 7 and 8

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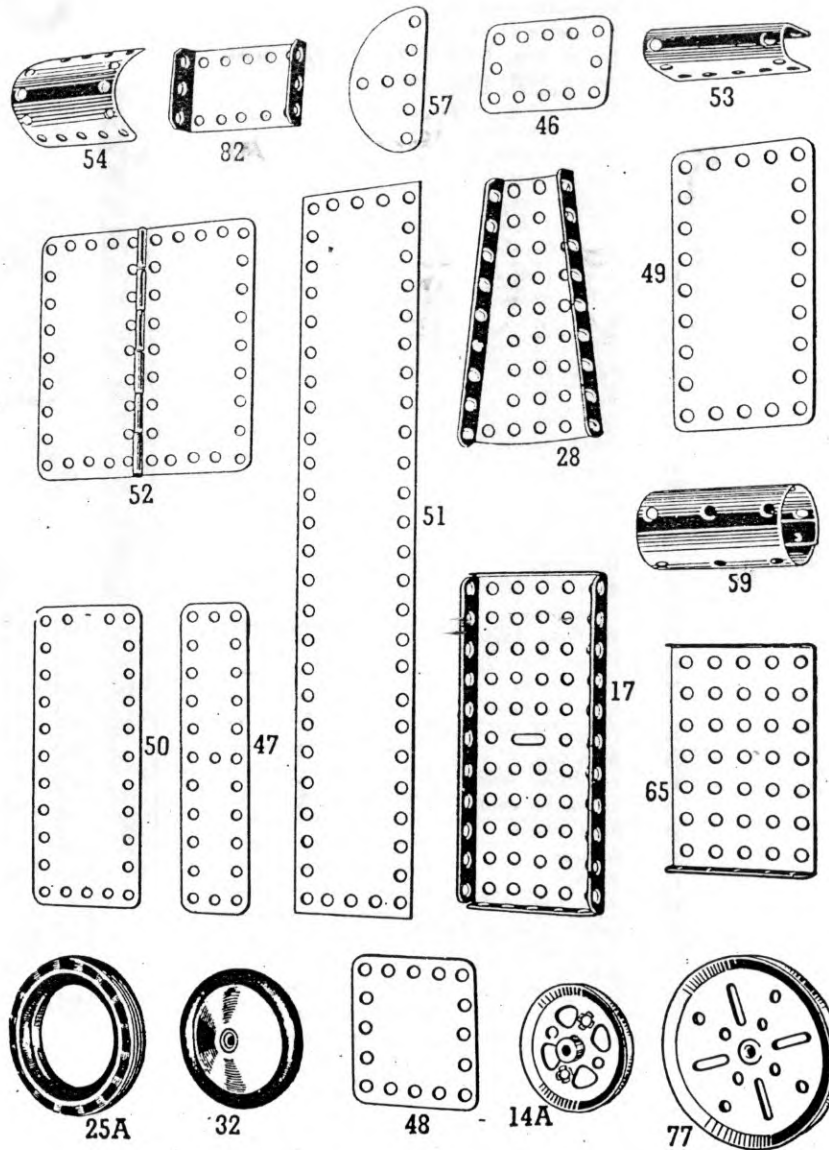
CONTENTS OF EZY-BILT

Part No.	Description and Size
1	Perforated Strips 2½"
2	Perforated Strips 5½"
3	Perforated Strips 7½"
3a	Perforated Strips 3½"
4	Curved Strip, Cranked, 2½" x 1-3/8" radius
5	Double Angle Strips, 2½" x ½"
5a	Double Angle Strips, 1½" x ½"
6	Crank Bent Strips
7	Angle Bracket, ½" x ½"
8	Flat Bracket
9	Double Bracket
10	Reversed Angle Bracket ½"
11	Angle Trunnion
12	Flat Trunnion
13	Pulley Wheel, 1" without Boss
14	Pulley Wheel, 1" with Boss
14a	Wheels, 2" with Boss
15	Pulley Wheel, Brass, ½" without Boss
16	Bush Wheel
17	Base Plate, 5½" x 2½"
18	Crank Handle 3½"
19	Axle Rod 2"
20	Axle Rod 3½"
20a	Axle Rod 6½"
21	Spring Clips
22	Nuts 5/32"
23	Bolts ¼" x 5/32"
24	Screw Driver
25	1" Tyres, Rubber
25a	Rubber Tyres 2"
26	Plain Hooks
27	Hank of Cord
28	Flanged Sector Plate
29	Brass Cog, ½" x ¼"
30	Brass Con. Wheel 1½"
31	30" Spring Cord
32	Road Wheels
33	Spanner
34	Washers
36	Hook Loaded Small
37	Collars with Set Screws
38	Screw Rods 3"
39	Bolt ¼"
40	Bolt ½"
41	Bolt 3/8"



CONTENTS OF EZY-BILT

Part No.	Description and Size
42	Threaded Pin
43	Pivot Bolt with 2 nuts
44	Anchoring Spring for Cord
45	Angle Girder 12½"
46	Flexible Plates, 2½" x 1½"
47	Flexible Plates, 5½" x 1½"
48	Flexible Plates, 2½" x 2½"
49	Flexible Plates, 4½" x 2½"
50	Flexible Plates, 5½" x 2½"
51	Strip Plates, 12½" x 2½"
52	Hinged Flat Plates, 4½" x 2½"
53	Curved Plate U-Section, 2½" x 2½" x 9/32" radius
54	Curved Plate U-Section, 2½" x 2½" x 1-11/16" radius
55	Rod and Strip Connector
56	Rod Connector
57	Semi-Circular Plate 2½"
58	Formed Slotted Strip 3"
59	Cylinders 2½"
60	Discs 1½"
61	Discs ¾"
62	Driving Band, 3" light
63	Driving Band, 6" light
64	Driving Band, 10" light
65	Flanged Plate, 3½" x 2½"
66	Perforated Strips 12½"
67	Perforated Strips 3"
68	Perforated Strips 1½"
69	Angle Bracket, 1" x 1"
70	Obtuse Angle Bracket, ½" x ½"
71	Axle Rod 11½"
72	Axle Rod 5"
73	Axle Rod 4½"
74	Axle Rod 4"
75	Axle Rod 1½"
76	Axle Rod 1"
77	Pulley Wheel, 3" with Boss
78	Crank Handle 5"
79	Pulley Wheel, Brass, ¾" with Boss
80	Double Bent Strips
81	Double Angle Strips, 3½" x ½"
82	Base Plate, 2½" x 1½"
83	Curved Strip, Plain, 2½" x 2-3/8" radius
84	Grub Screw



EZY-BILT

THE MASTER TOY

EZY-BILT PRICE LIST FEBRUARY 1966

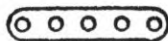
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SET No. 1	2.35	
SET No. 2	3.30	
SET No. 3	4.70	
SET No. 4	7.05	
SET No. 5	9.20	
SET No. 6	14.80	
SET No. 7	18.60	
SET No. 8 with motor	.....	26.65	
SET No. 9 with motor	.....	53.65	
Clockwork motor	.....	5.40	

STAR SETS		\$	c
SET No. 3	.....	3.80	
SET No. 4	.....	5.70	
SET No. 5	.....	7.50	

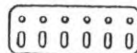
CONVERSION SETS		\$	c
SET No. 1A	.....	1.70	
SET No. 2A	.....	1.80	
SET No. 3A	.....	2.70	
SET No. 4A	.....	3.10	
SET No. 5A	.....	7.70	
SET No. 6A	.....	4.20	
SET No. 7A with motor	.....	8.90	
SET No. 8A	.....	38.80	

Manufactured by
EZY-BILT PTY. LTD.
 630 Port Road
 Kilkenny, S.A.

SPARE PARTS



PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
1	1½" Perforated Strip	6	20
2	2" " "	6	22
3	2½" " "	4	18
4	3" " "	3	18
5	3½" " "	3	19
6	4½" " "	3	22
7	5½" " "	3	20
8	7½" " "	3	22
9	9½" " "	2	20
10	12½" " "	2	30

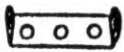


PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
14	1½" Flat Girders	3	15
15	2" " "	3	16
16	2½" " "	3	17
17	3" " "	3	18
18	3½" " "	3	18
19	4½" " "	3	20
20	5½" " "	3	22
21	7½" " "	2	17
22	9½" " "	2	24





PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
28	1½" Angle Girders	3	18
29	2" " "	3	18
30	2½" " "	3	20
31	3" " "	3	23
32	3½" " "	3	23
33	4½" " "	3	25
34	5½" " "	2	22
35	7½" " "	2	22
36	9½" " "	2	23
37	12½" " "	2	37
38	18½" " "	2	65
39	24½" " "	2	77



EZY-BILT: X1.3/4a





PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
41	1½" x ½" D/Angle Strips	3	18
42	2½" x ½" " "	3	20
43	3½" x ½" " "	3	22


49	Clutch Spring	3	15
50	Curved Crank	3	18
51	Curved Strip	3	15
53	Formed Slotted Strip	3	18

55	Angle Trunnion	3	18
56	Flat Trunnion	3	18

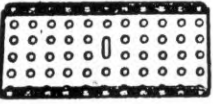
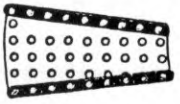



58	Flat Bracket	6	10
59	Angle Bracket, ½"	6	18

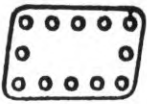



60	Double Bracket	2	10
61	Reversed Angle Bracket	2	8


PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
62	Angle Bracket, 1"	2	18
63	Double Bent Strip	2	18
64	Crank Bent Strip	2	12
65	Obtuse Angle Bracket	6	15

67	Base Plate	1	25
68	Sector Plate	1	22
69	Flanged Plate, 2½" x 1½"	2	20
70	" " 3½" x 2½"	1	21
71	Flat Plate	1	25



75	Flexible Plate, 2½" x 1½"	3	20
76	" " 5½" x 1½"	2	20
77	" " 2½" x 2½"	2	20
78	" " 4½" x 2½"	2	20
79	" " 5½" x 2½"	2	24
81	Strip Plates	1	22



PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
83	Curved U Plate, 9/32"	2	21
84	" " " 1-11/16"	2	22






85	Hinged Flat Plate	1	35
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86	Semi-Circular Plate	2	17
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87	Cylinder	1	40
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88	Brass Pulley w/out boss, ½"	1	12
89	" " with boss, ½"	1	13
90	Pulley w/out boss, 1"	2	15
91	Pulley with boss, 1"	2	28
92	Pulley with boss, 2"	2	45
93	Pulley with boss, 3"	1	30

PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
	94 Road Wheels	2	53
	95 Rubber Tyres, 1"	2	18
	96 " " 2"	2	35
	99 Axle Rod, 1"	2	12
	100 " " 1½"	2	12
	101 " " 2"	2	12
	102 " " 3½"	2	12
	103 " " 4"	2	15
	104 " " 4½"	2	15
	105 " " 5"	2	13
	106 " " 6½"	2	15
	108 " " 11½"	1	8
	110 Crank Handle, 3½"	1	12
	111 " " 5"	1	12
	113 Bush Wheel	2	26

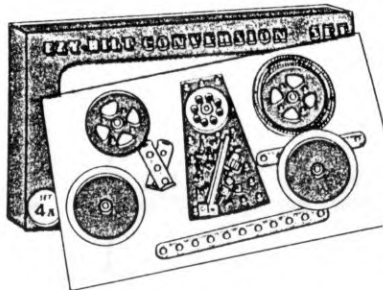
PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
	114 Wheel Disc, 1¼"	2	10
	115 Contrate Wheel, 1½"	1	18
	116 Worm	1	35
	117 Brass Pinion	1	18
	120 Brass Collar	2	15
	121 Short Coupling	1	18
	123 Plain Hooks	2	10
	124 Loaded Hooks	1	12
	125 Hank of Cord	1	15
	126 Anchor Spring for Cord	2	16
	127 Rod & Strip Connector	3	15
	128 Rod Connector	3	10
	131 Spring Cord	1	40
	132 Screwdriver	1	15

PART No.	DESCRIPTION	Parts Per Poly. Bag	Per Poly. Bag Inc. S/Tax Cents
	133 Spanner	1	10
	134 Washers, ¾"	12	10
	135 Washers, ¾"	6	7
	137 Driving Band, 3"	1	12
	138 " " 6"	1	14
	139 " " 10"	1	16
	140 Grub Screws	6	20
	141 Spring Clips	12	12
	142 Nuts, 5/32	12	20
	143 Bolts, ¼"		
	144 Bolts, ¾"	3	5
	145 " ½"	3	5
	146 " ¾"	3	7
	147 Threaded Pin & Nut	1	15
	148 Pivot Bolt	1	15
	149 Chain, 40"	1	42
	150 Screwed Rod, 1"	2	12
	151 " " 2"	2	13
	152 " " 3"	2	15
	153 " " 3½"	2	16
	154 " " 4½"	2	20
	155 " " 5"	1	12
	156 " " 6"	1	14
	157 " " 8"	1	15
	158 " " 11½"	1	22
	160 Instruction Book, 1-5		27 ea.
	161 " " 6-8		\$1 ea.
	162 " " 9		90 ea.
	170 14T Sprocket	2	33
	171 18T "	1	18
	172 28T "	1	18
	173 36T "	1	32
	176 50T Gear	1	25
	177 57T Gear	1	18

EZY-BILT COMPLETE SETS

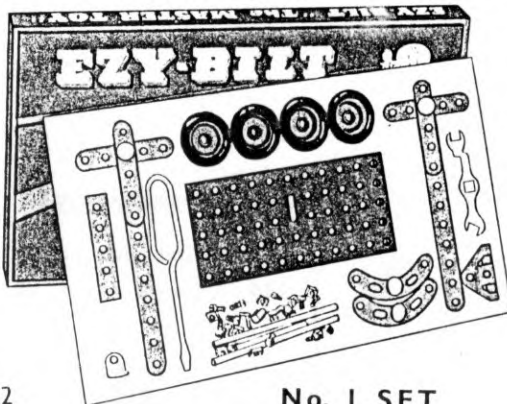
NO.

- 1 WILL MAKE OVER 25 MODELS
- 2 WILL MAKE OVER 50 MODELS
- 3 WILL MAKE OVER 84 MODELS
- 4 WILL MAKE OVER 119 MODELS
- 5 WILL MAKE OVER 164 MODELS
- 6 WILL MAKE OVER 210 MODELS
- 7 WILL MAKE OVER 230 MODELS
- 8 WILL MAKE OVER 255 MODELS
- 9 WILL MAKE UNLIMITED MODELS

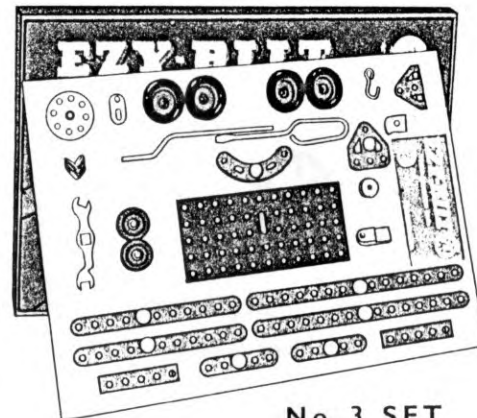


CONVERSION SETS

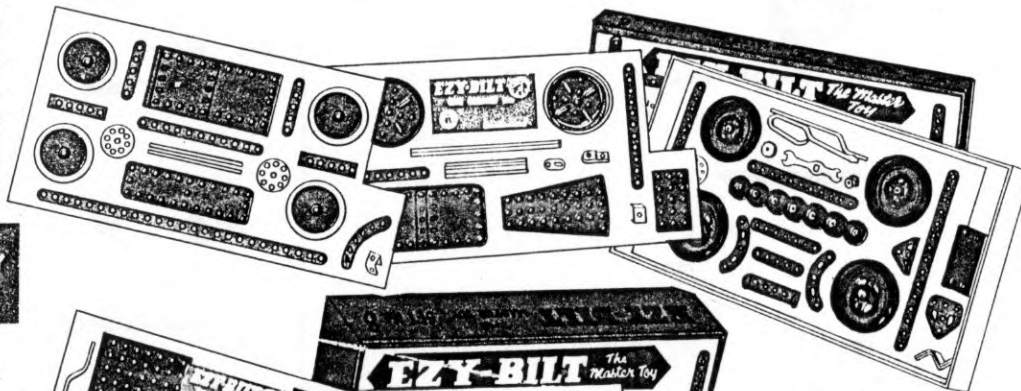
SET	CONVERTS	TO
1A	SET 1	SET 2
2A	2	3
3A	3	4
4A	4	5
5A	5	6
6A	6	7
7A	7	8
8A	8	9



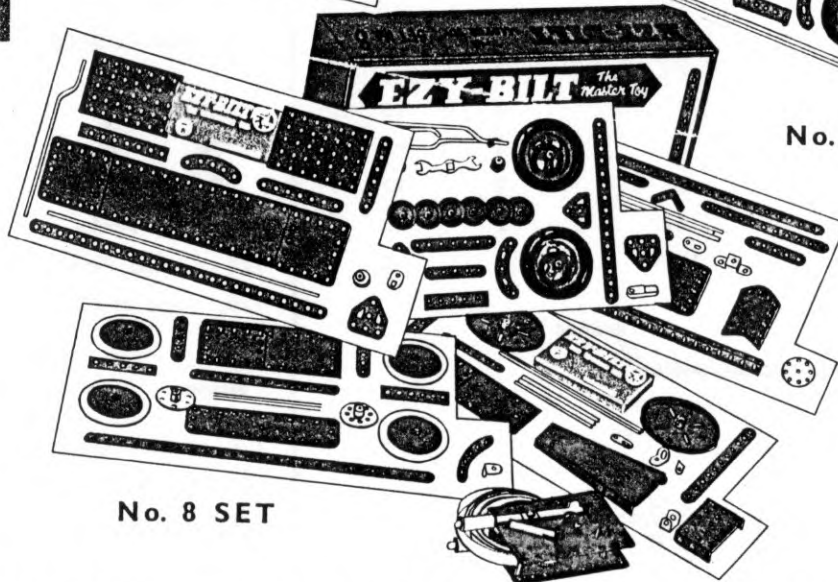
No. 1 SET



No. 3 SET



No. 6 SET

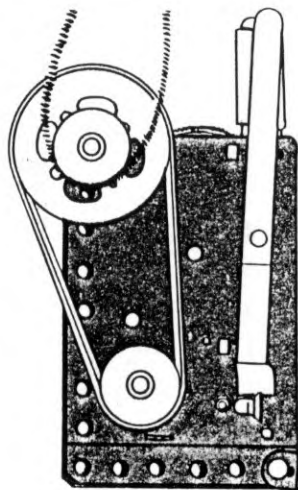


No. 8 SET

MANUFACTURED BY EZY-BILT LIMITED 630 PORT ROAD, KILKENNY SOUTH AUSTRALIA.

EZY-BILT SPARE PARTS

CLOCKWORK MOTOR with Belt Take Off. It has been developed to allow a more realistic use to be made of working models.



Ezy-Bilt construction parts are sturdily made of enamelled steel or shiny brass. There is a wide variety of plates and strips, angle brackets, wheels, pulleys and clockwork motors available as spare parts from your local Hobby Shop, look for the official Ezy-Bilt dealer sign.

The sale of an Ezy-Bilt Set is only the beginning of our interest in your hobby. If you have difficulty in building models or buying spare or extra parts write to the agent in your State who is listed on our price list. He will promptly help you.

The baked enamelled coloured parts are guaranteed lead free within the meaning of the Act.

[This page is a montage from an EZY-BILT leaflet. The wording above the motor is faint, it reads 'CLOCKWORK MOTOR with Belt Take Off. It has been developed to allow a more realistic use to be made of working models.']



8.19 DRAGLINE

Construct the base from two angle girders joined at each end by a 5 1/2" strip. Fill in the platform with a 5 1/2" x 2 1/2" flanged plate and convenient flexible plates. Lock-nut the bolts B which carry the 1 1/2" discs. Bolt a 3" pulley wheel to the centre of the 5 1/2" x 2 1/2" flanged plate. Use two 1 1/2" strip plates to fill in the control platform. Use four reversed angle brackets, secured by bolts A, to attach a 3" pulley under the forward end of the platform. Pass a 4" rod through the upper 3" pulley and lock its lower end in the boss of the pulley bolted to the base. Use a washer and spring clip to hold the platform in position. The 4" rod will then form the pivotal point.

Build up the side of the cab from two 2 1/2" x 2 1/2" flexible plates. Overlap them one hole and fasten them to the angle girder which forms the edge of the platform.

Form the rear side of the cab from a 3 1/2" x 2 1/2" flanged plate and a 2 1/2" x 1 1/2" flanged plate. Use a 3 1/2" x 1 1/2" double angle strip to secure the 3 1/2" x 2 1/2" flanged plate to the base. Bolt the 2 1/2" x 1 1/2" flanged plate in position by its flange.

Use a hinged flat plate for the roof of the cab and attach it by obtuse angle brackets to the two 1 1/2" strips which are bolted to the sides. Use two 1-11/16" radius curved plates and two 5 1/2" x 2 1/2" flexible plates to form the boiler.

Bend a U-section curved plate so that the ends overlap to form the chimney. Pass a bolt through the overlapping portions of the chimney and attach to it an angle bracket inside the chimney. Slip a 6 1/2" rod through the angle bracket and lock it in the boss of the road wheel.

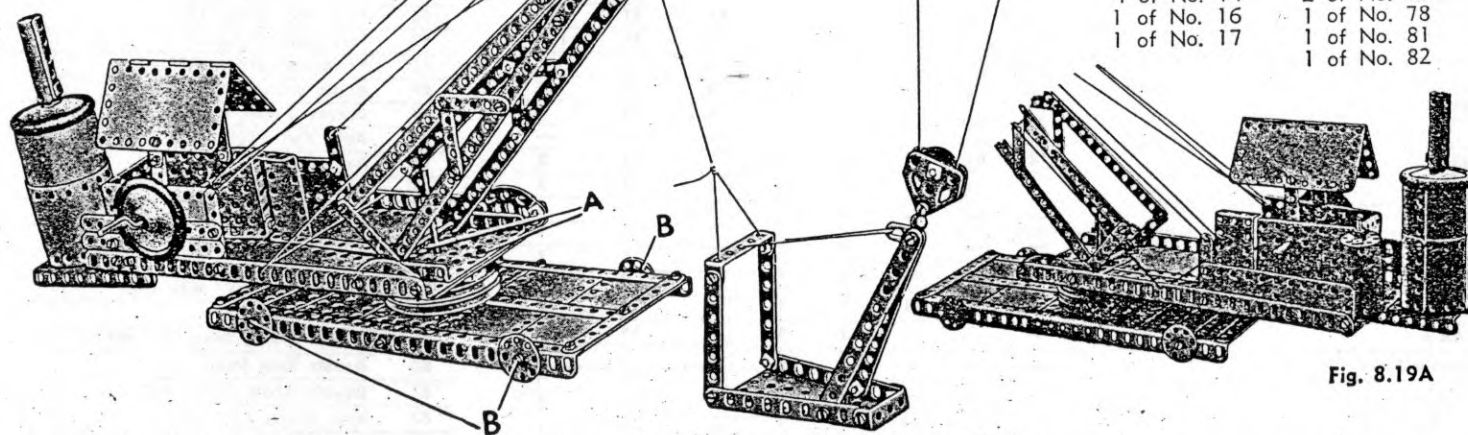
Place the chimney and road wheel over the boiler so that the lower end of the 6 1/2" rod passes through the flanged sector plate at the base. Use a spring clip to hold the rod in position.

Construct the jib by bolting 1 1/2" strips end to end. Pivot the lower end on the 6" rod. Tie a cord to the cab and lead it over a 1" fast pulley on a 2" rod which is journalled in the jib.

The cord holds the jib at an angle of about 30 degrees. Lead the cord then through holes in the angle girders which form the sides of the platform and over a 1" pulley on the 2" rod. Tie the cord then to the cab.

Control the movement of the bucket from the crank handle held in the sides of the cab. Wind the cord a few times around the crank handle shaft. Lead it over a 4 1/2" rod held in the jib. Tie the cord then to the front of the bucket. Lead the other end of the cord around a 1" fast pulley on the rod at the end of the jib. Take it then through the pulley block at the back of the bucket.

Tie it then to the flat bracket on the 2" rod which is secured in the jib.



PARTS REQUIRED

8 of No. 1	2 of No. 54
12 of No. 2	1 of No. 59
2 of No. 4	4 of No. 60
3 of No. 5	2 of No. 65
2 of No. 5a	12 of No. 66
3 of No. 7	2 of No. 67
2 of No. 8	2 of No. 68
2 of No. 9	2 of No. 70
4 of No. 10	1 of No. 72
4 of No. 12	2 of No. 74
2 of No. 13	1 of No. 76
4 of No. 14	2 of No. 77
1 of No. 16	1 of No. 78
1 of No. 17	1 of No. 81
	1 of No. 82

Fig. 8.19A

CONTENTS OF EZY-BILT SETS 1 TO 5 SETS 6 TO 8

Part No.	Part	Number of Parts					Quantities		
		Set 1	Set 2	Set 3	Set 4	Set 5	Set 6	Set 7	Set 8
1	Perforated Strips 2½"	4	8	10	10	10	12	12	
2	Perforated Strips 5½"	2	4	4	4	6	8	14	
3	Perforated Strips 7½"	—	—	2	4	4	4	4	
3a	Perforated Strips 3½"	—	—	—	—	2	4	4	
4	Curved Strips, cranked, 2½" x 1-3/8" radius	2	2	4	4	4	6	8	
5	Double Angle Strips, 2½" x ½"	2	2	2	3	4	2	2	
5a	Double Angle Strips, 1½" x ½"	—	—	—	—	2	1	1	
6	Cranked Bent Strips	—	1	1	1	1	10	12	
7	Angle Brackets, ½" x ½"	4	8	8	8	10	6	8	
8	Flat Brackets	—	4	4	6	6	3	4	
9	Double Brackets	—	—	2	2	3	2	2	
10	Reversed Angle Brackets	—	1	1	3	3	2	2	
11	Angle Trunnions	2	2	2	2	2	5	5	
12	Flat Trunnions	—	2	2	2	2	4	4	
13	Wheels 1" without Boss	4	2	2	2	2	1	1	
14	Wheels 1" with Boss	—	2	4	4	4	1	1	
14a	Wheels 2" with Boss	—	—	—	2	4	1	1	
15	Brass Pulley Wheels ½"	—	—	1	1	1	4	4	
16	Bush Wheels	—	1	1	1	1	4	4	
17	Case Plates	1	1	1	1	1	2	2	
18	Crank Handles	—	1	1	1	1	12	14	
19	Axles 2"	2	2	2	2	4	81	91	
20	Axles 3½"	2	2	2	2	2	75	85	
20a	Axles 6½"	—	—	—	2	2	1	1	
21	Wing Clips	12	8	8	8	12	4	4	
22	Nuts	12	20	25	40	54	4	4	
23	Locks 5/32 x ¼"	12	20	25	40	54	—	—	
24	Screw Driver	1	1	1	—	—	2	2	
24a	Screw Driver	—	—	—	1	1	1	1	
25	Rubber Tyres 1"	—	—	4	4	4	1	1	
25a	Rubber Tyres 2"	—	—	—	2	4	4	4	
26	Hooks	—	1	1	1	1	2	2	
27	Hank of Cord	—	1	1	1	1	8	14	
28	Flanged Sector Plate	—	—	—	1	2	1	1	
29	Brass Cog ½" x ½"	—	—	—	—	1	—	4	
30	Brass Con. Wheel 1½"	—	—	—	—	1	—	2	
31	30" Length Spring Cord	—	—	—	—	1	—	2	
31	30" Length Spring Cord	—	—	—	—	1	2	2	
84	Grub Screw	—	3	5	7	11	6	6	

CONTENTS OF EZY-BILT SETS 6 TO 8

Part No.	Description and Size	Quantities		
		Set 6	Set 7	Set 8
42	Threaded Pin	—	1	1
43	Pivot Bolt with 2 nuts	—	1	1
44	Anchoring Spring for Card	1	1	1
45	Angle Girder 12½"	—	4	4
46	Flexible Plates, 2½" x 1½"	2	4	4
47	Flexible Plates, 5½" x 1½"	2	4	4
48	Flexible Plates, 2½" x 2½"	4	4	6
49	Flexible Plates, 4½" x 2½"	2	2	2
50	Flexible Plates, 5½" x 2½"	2	4	4
51	Strip Plates, 12½" x 2½"	—	—	2
52	Hinged Flat Plates, 4½" x 2½"	—	1	1
53	Curved Plate U-Section, 2½" x 2½" x 9/32" radius	2	2	2
54	Curved Plate U-Section, 2½" x 2½" x 1-11/16" radius	2	2	2
55	Rod and Strip Connector	1	1	2
56	Rod Connector	1	1	2
57	Semi-Circular Plate 2½"	2	2	2
58	Formed Slotted Strip 3"	4	4	4
59	Cylinders 2½"	—	1	1
60	Discs 1½"	2	4	4
61	Discs ¾"	2	2	2
62	Driving Band, 3" light	1	1	1
63	Driving Band, 6" light	—	1	1
64	Driving Band, 10" light	—	—	1
65	Flanged Plate, 3½" x 2½"	—	—	2
66	Perforated Strips 12½"	4	10	12
67	Perforated Strips 3"	—	—	2
68	Perforated Strips 1½"	—	2	2
69	Angle Bracket, 1" x 1"	—	2	2
70	Obtuse Angle Bracket, ½" x ½"	4	4	6
71	Axle Rod 11½"	—	—	1
72	Axle Rod 5"	—	2	2
73	Axle Rod 4½"	—	1	1
74	Axle Rod 4"	2	2	2
75	Axle Rod 1½"	2	4	4
76	Axle Rod 1"	1	1	1
77	Pulley Wheel, 3" with Boss	2	2	2
78	Crank Handle 5"	—	—	1
79	Pulley Wheel, Brass, ½" with Boss	—	—	1
80	Double Bent Strips	—	1	1
81	Double Angle Strips, 3½" x ½"	—	—	2
82	Base Plate, 2½" x 1½"	1	1	1
83	Curved Strip, Plain, 2½" x 2-3/8" radius	—	—	2
84	Grub Screw	18	18	23