THE NEW

How to make 'em book

Giant Power Plant
Built with 10½ Erector Set

BEETOR

THE WORLD'S GREATEST CONSTRUCTION TOY . DEVELOPED AT THE GILBERT HALL OF SCIENCE

How to Get the Most FUN Out of Your





The Gilbert Hall of Science, the greatest scientific institution of its kind in the world and the home of Erector, American Flyer Trains, Gilbert Chemistry Sets and other Gilbert

scientific outfits.



A. C. Gilbert inventor of Erector and founder of the Gilbert Hall of Science

A PERSONAL MESSAGE FROM THE INVENTOR OF ERECTOR

You are a lucky boy to get an Erector Set. No other construction set contains so many different parts and builds so many different models. You may be interested to know, for instance, that the United States Patent Office has issued over 100 patents covering various Erector features.

You will find that Erector brings you double-header fun. First is the fun of building giant bridges, towering cranes, mighty engines and other exciting mechanical marvels. Second is the fun of making your model buzz with action — because most every Erector set has an electric engine or a mechanical motor.

I know you will get a great thrill out of building Erector models and seeing them grow bigger and bigger as you add one part after another. Note, too, that Erector base plates and girders have equidistant holes — so that you only have to count the holes to build square and true. Also, Erector parts are fastened together with firmfitting nuts and bolts similar to those used in real engineering.

This book shows a few of the many models you can build with your Erector. But be sure to start right. Build a few of the simple models first — those shown in the sections on the 11/2 and 21/2 Erector. Then build several bridges. Every new model will bring you a new thrill. You should then be ready to progress to the larger, action models. In building these models, it is worth knowing that many of them were originated by boys—and you should feel free to change them or improve them in any way you see fit. Creating new models is a big part of the fun of being an Erector Engineer.

Your Friend,

a.C.Gilbert

Copyright 1951 by The A. C. Gilbert Co., New Haven, Conn., U.S.A. Printed in U.S.A. Made in U.S.A. M2950

"how to make 'em" BOOK ... featuring the

Bundle Truck

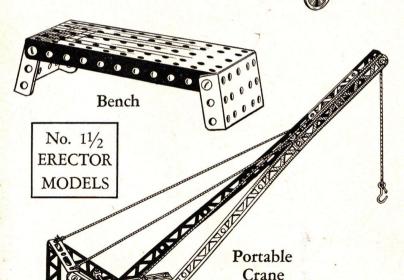
ERECTOR

all-steel

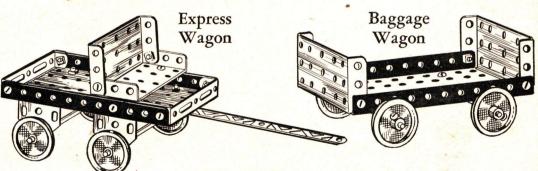
SQUARE GIRDER

with interlocking edges





Gravel Screen

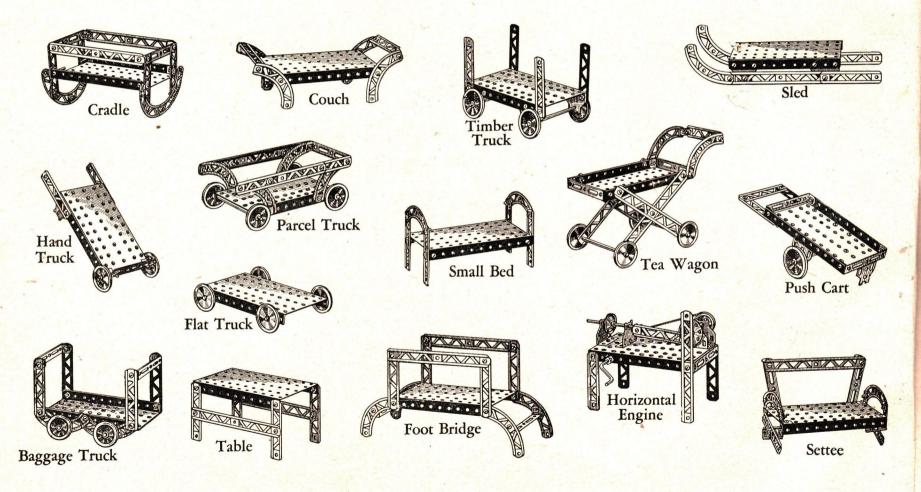


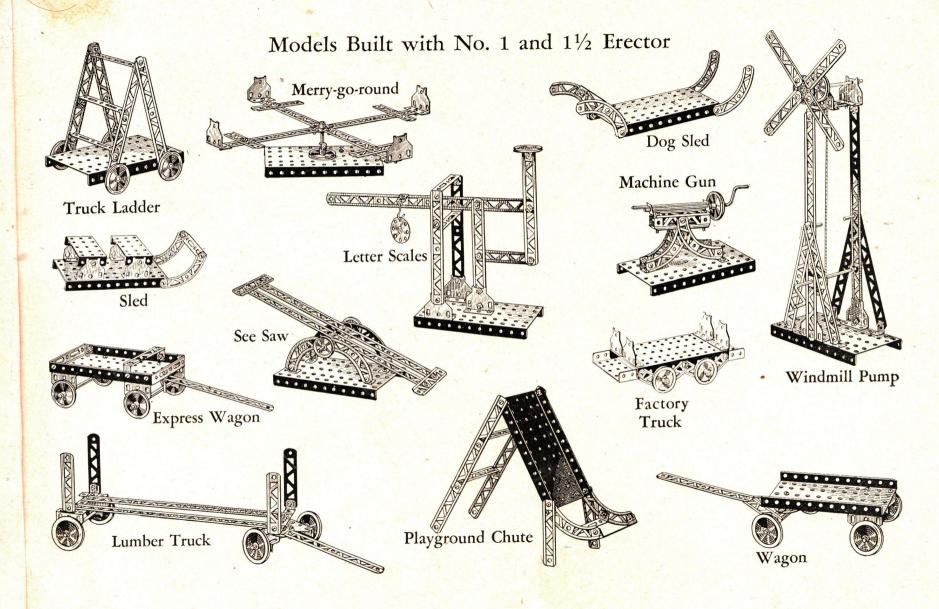
BUILD 'EM YOURSELF WITH ERECTOR

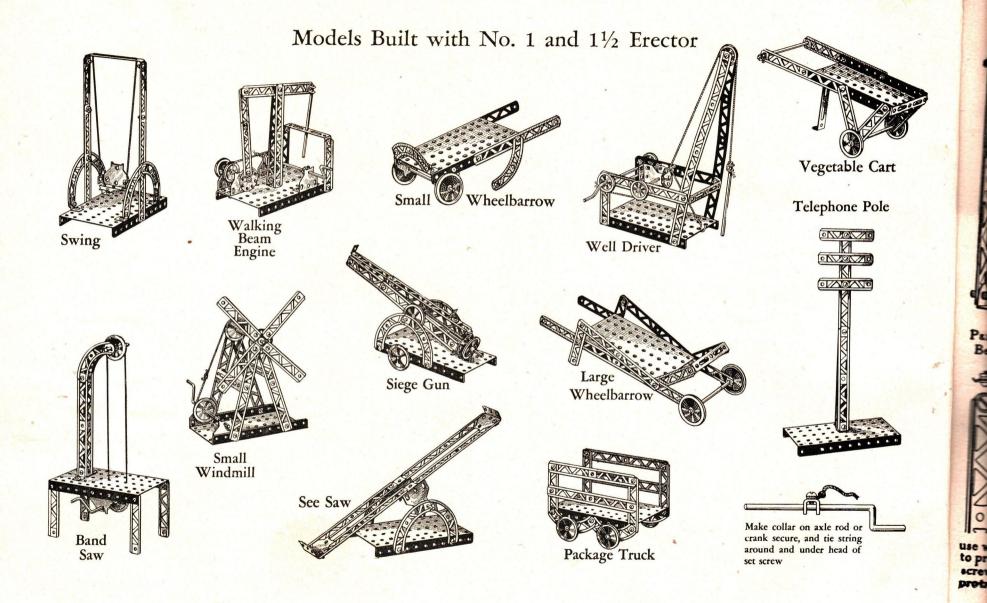
The World's Greatest Construction Toy

Models Built with No. 1 and 11/2 Erector

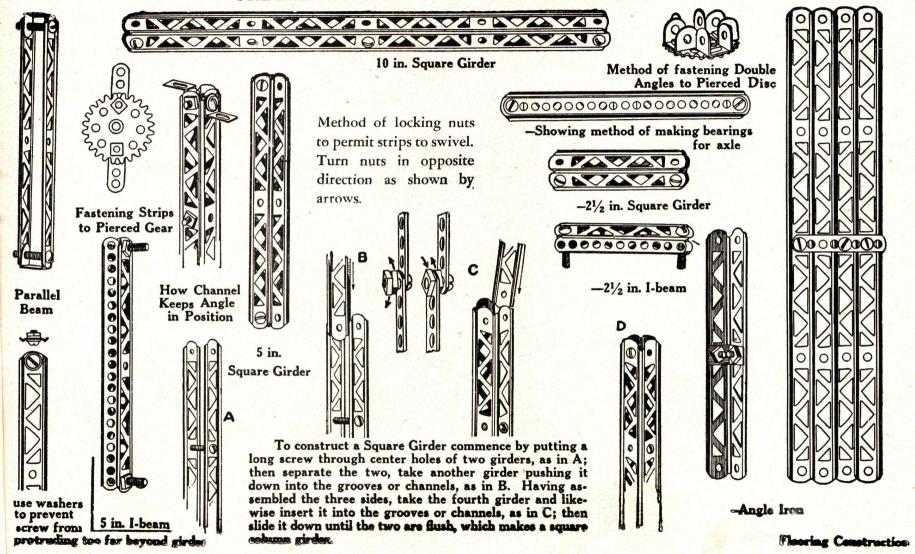
The number of models that can be built with Erector is unlimited. While we show a great many in this book, they are only indications of the large number of different varieties and the adaptability of Erector, The World's Greatest Toy.



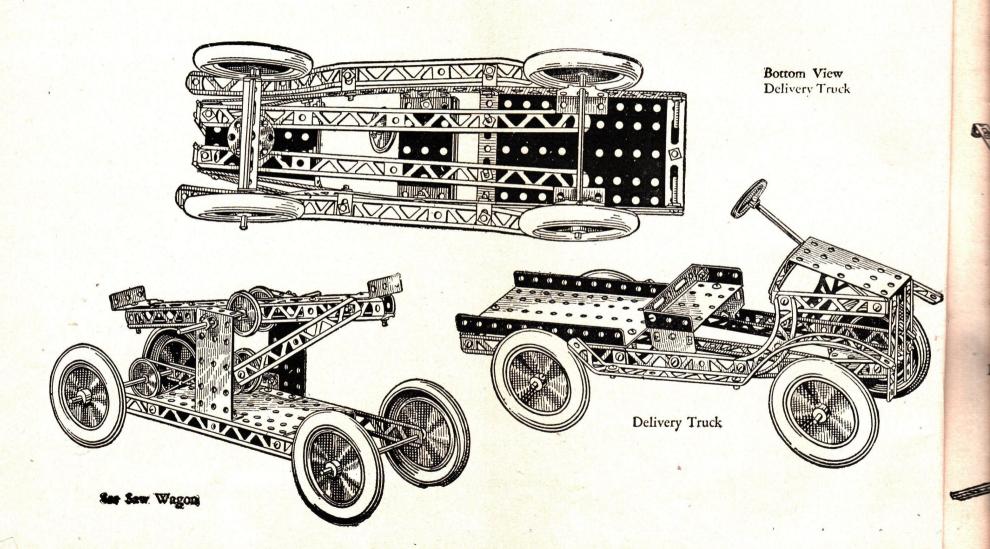


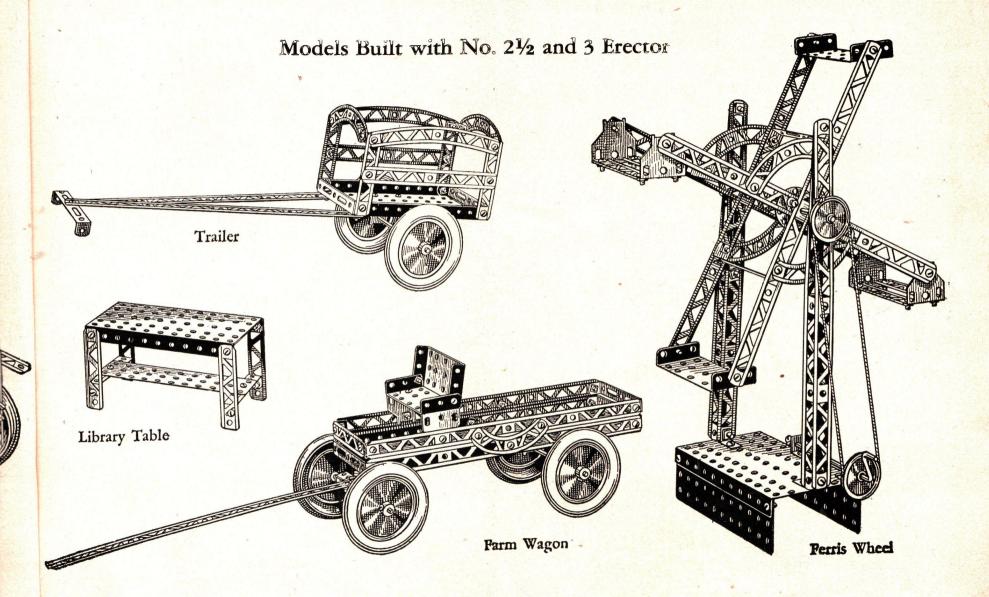


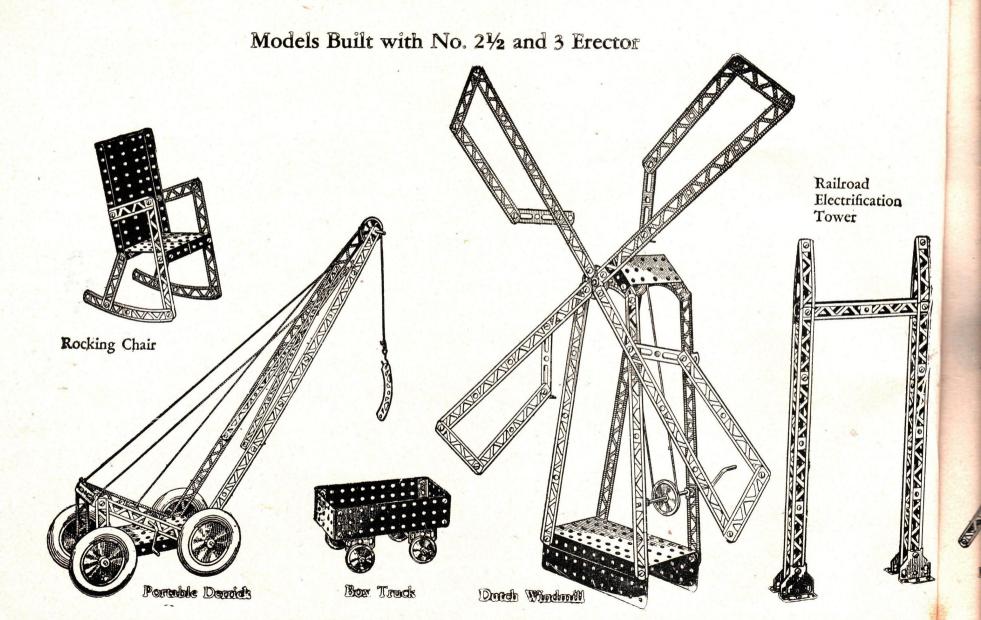
STANDARD DETAILS OF ERECTOR CONSTRUCTION

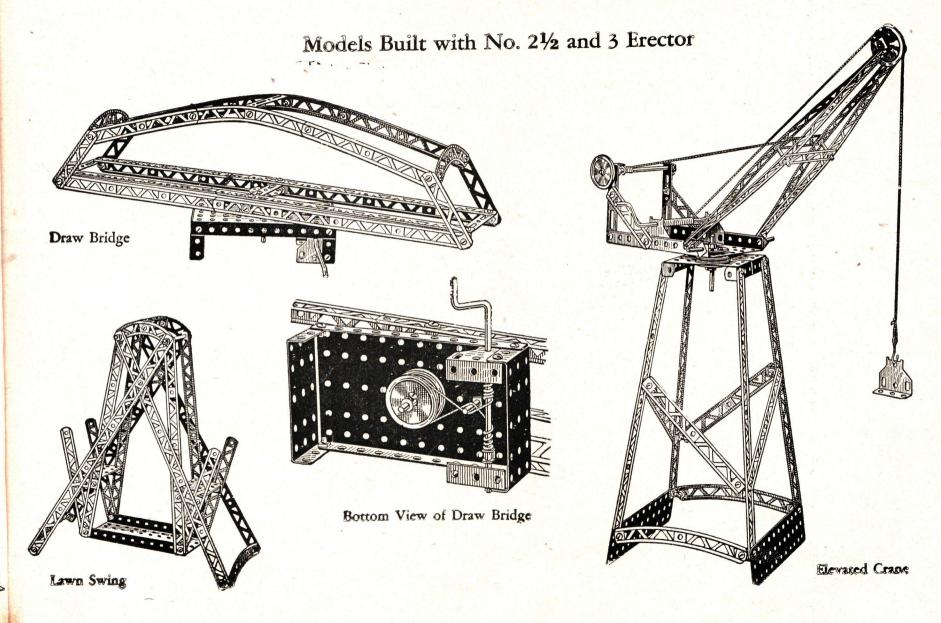


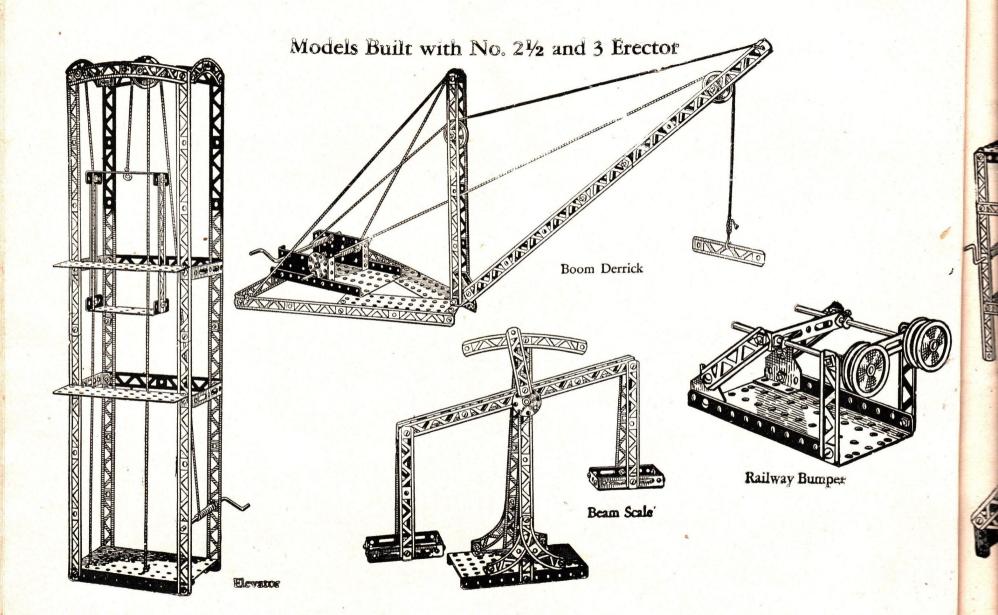
Models Built with No. 21/2 and 3 Erector



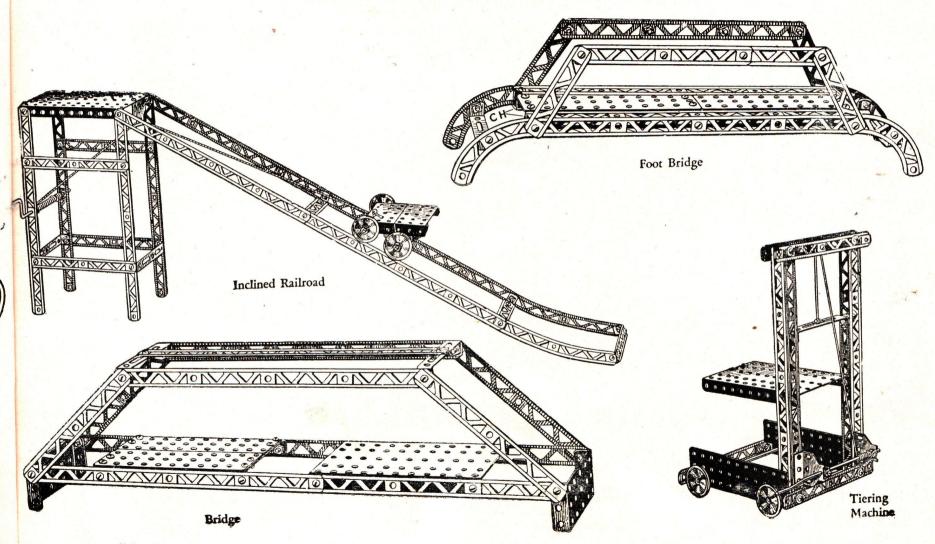




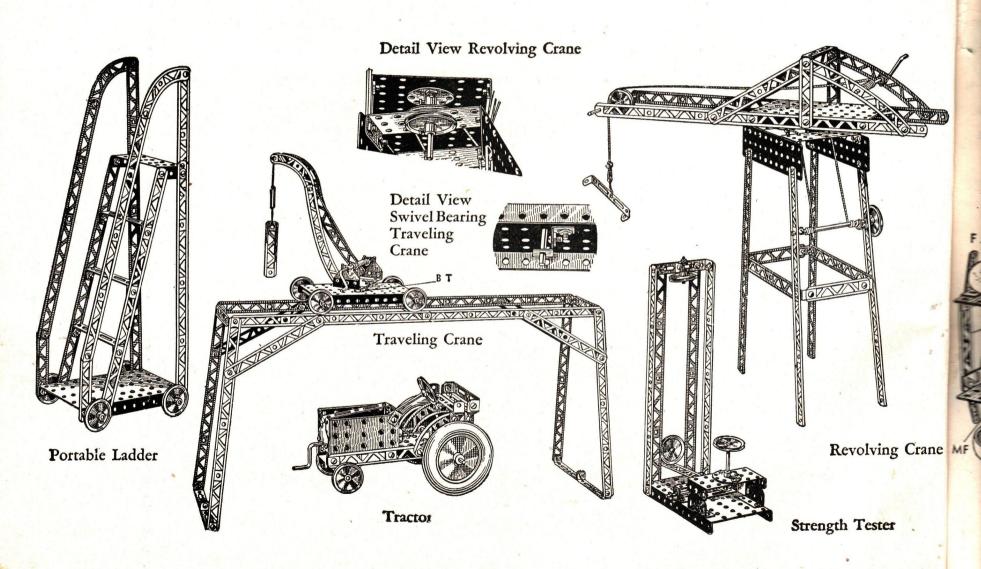


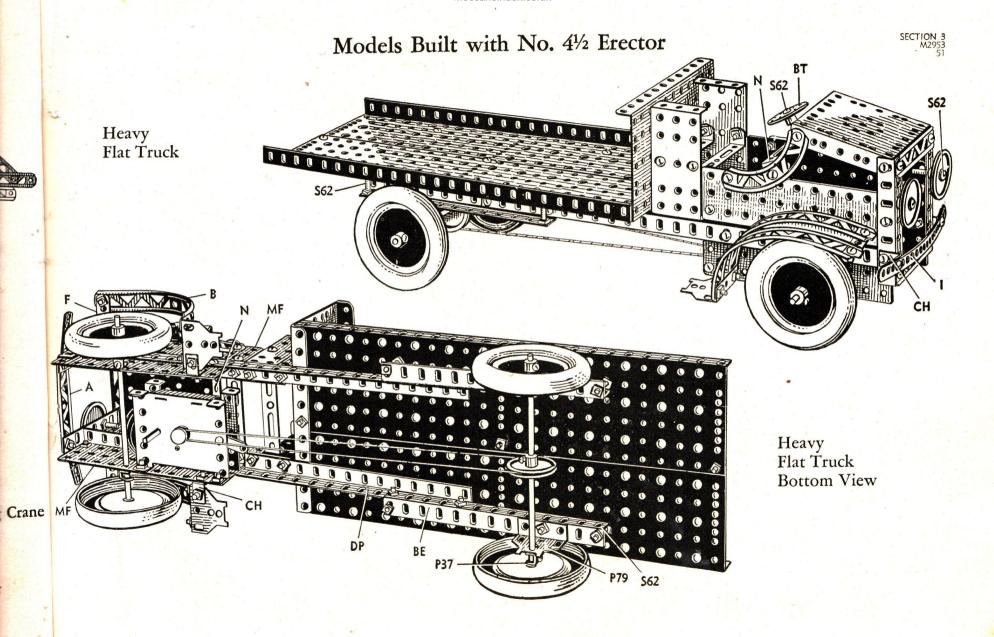


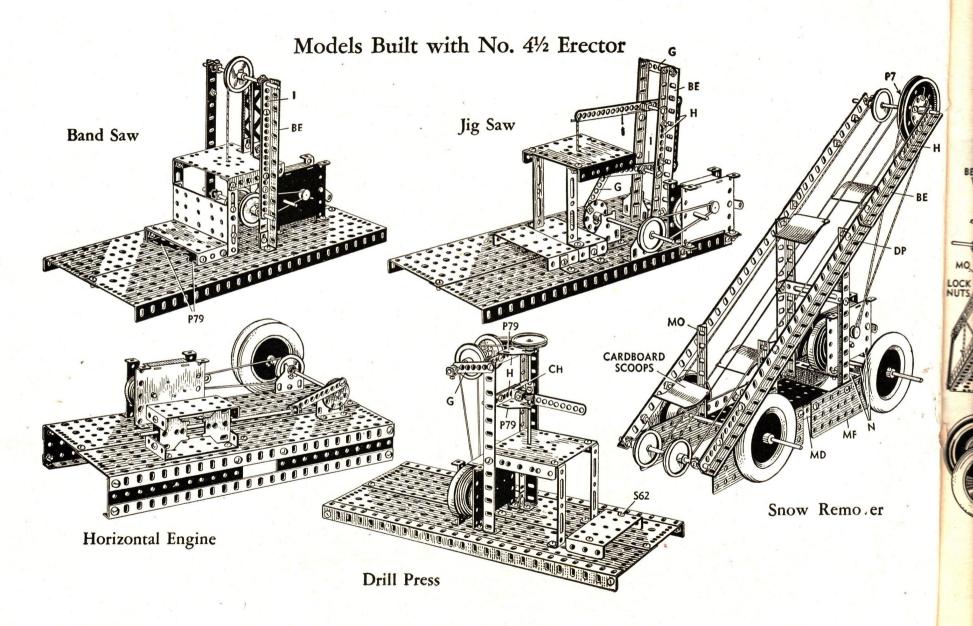
Models Built with No. 21/2 and 3 Erector



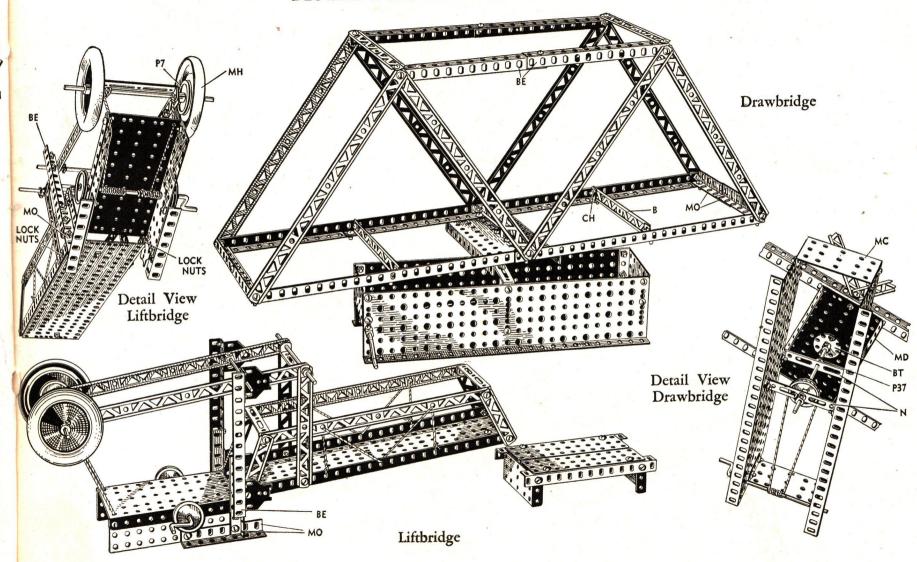
Models Built with No. 21/2 and 3 Erector



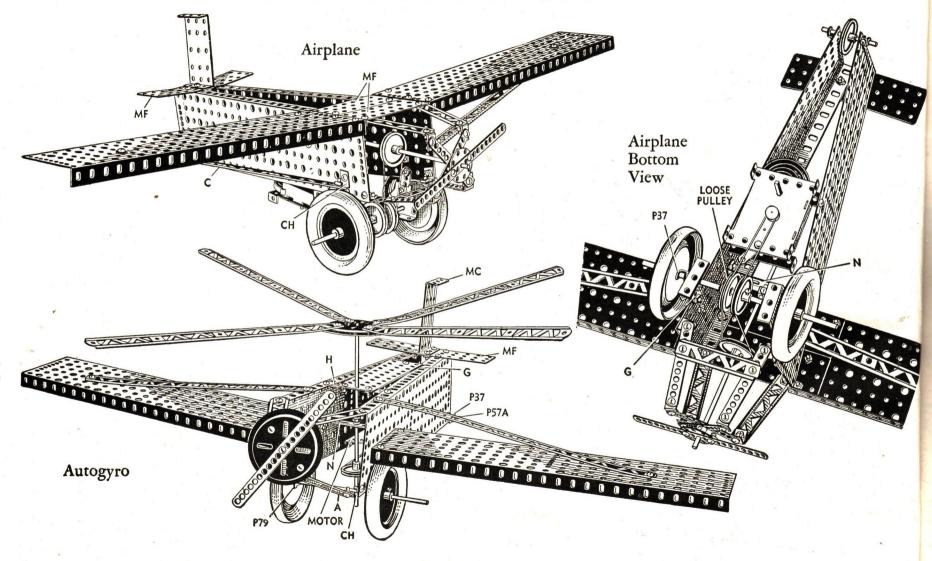


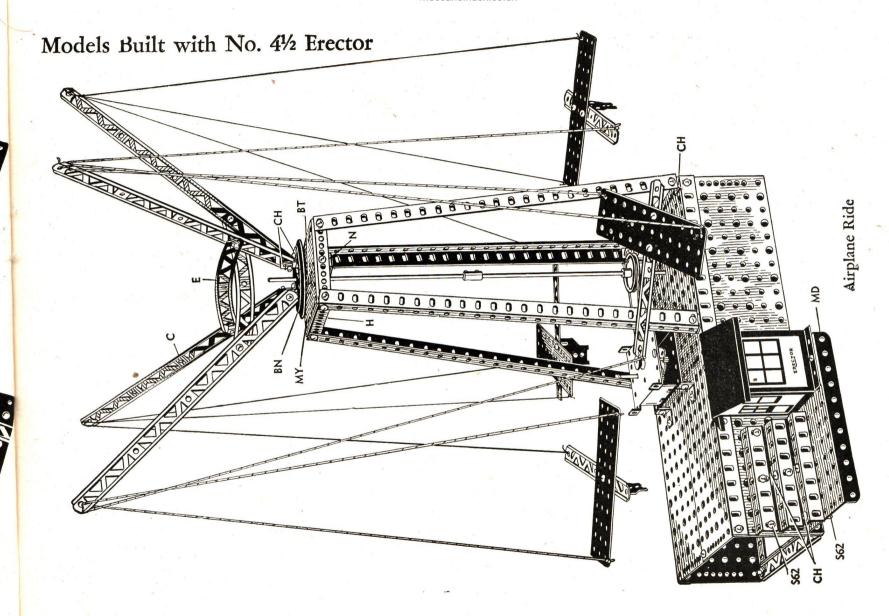


Models Built with No. 41/2 Erector

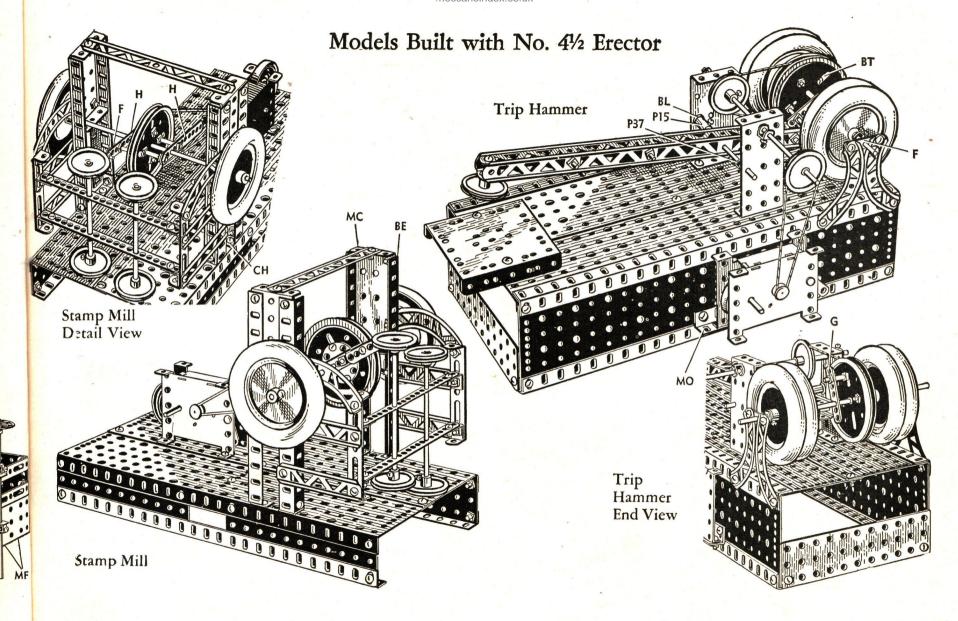


Models Built with No. 41/2 Erector





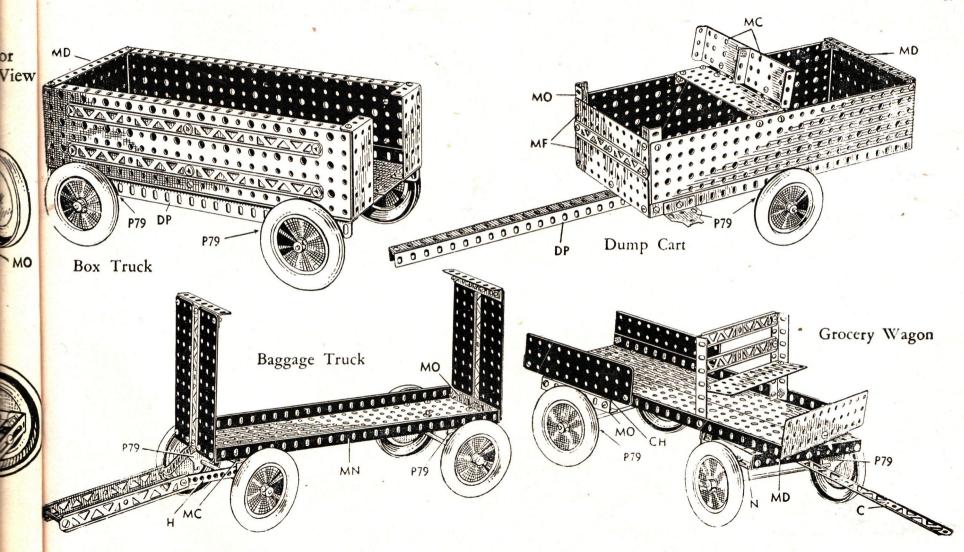
Models Built with No. 41/2 Erector WAVIONAVI Walking Beam Engine LOCKNUTS SEE STANDARD DETAILS Coal Car Ferris Wheel

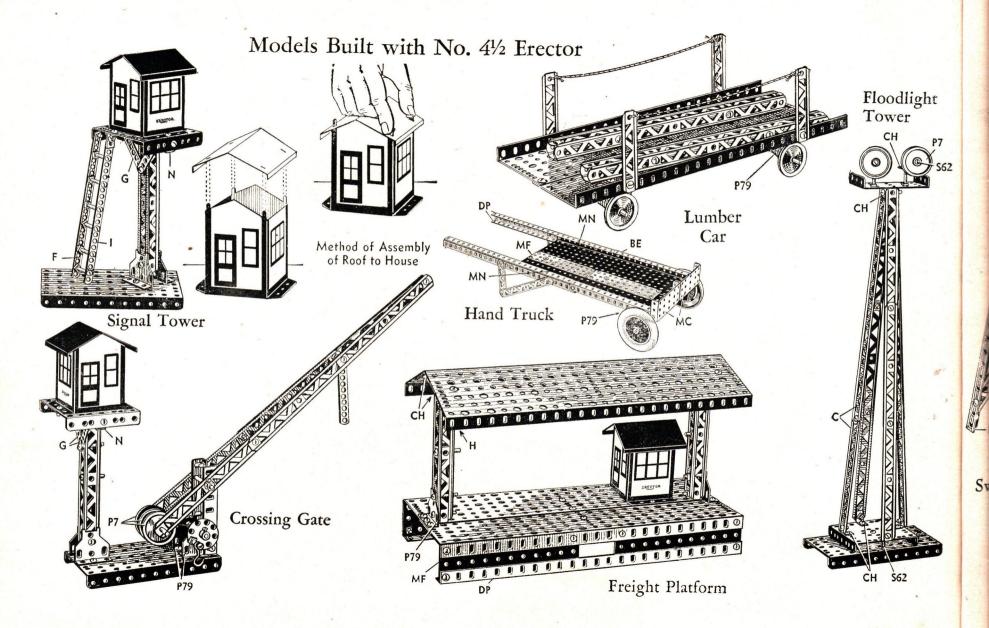


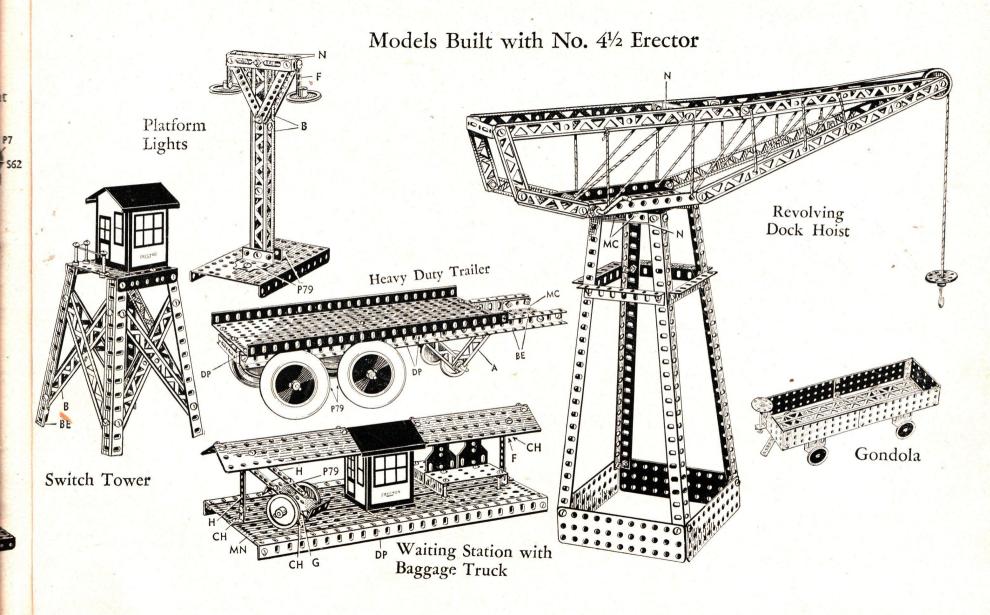
Models Built with No. 41/2 Erector 562 Tractor Bottom View BE Light Delivery Truck Tractor Light Delivery Truck Bottom View

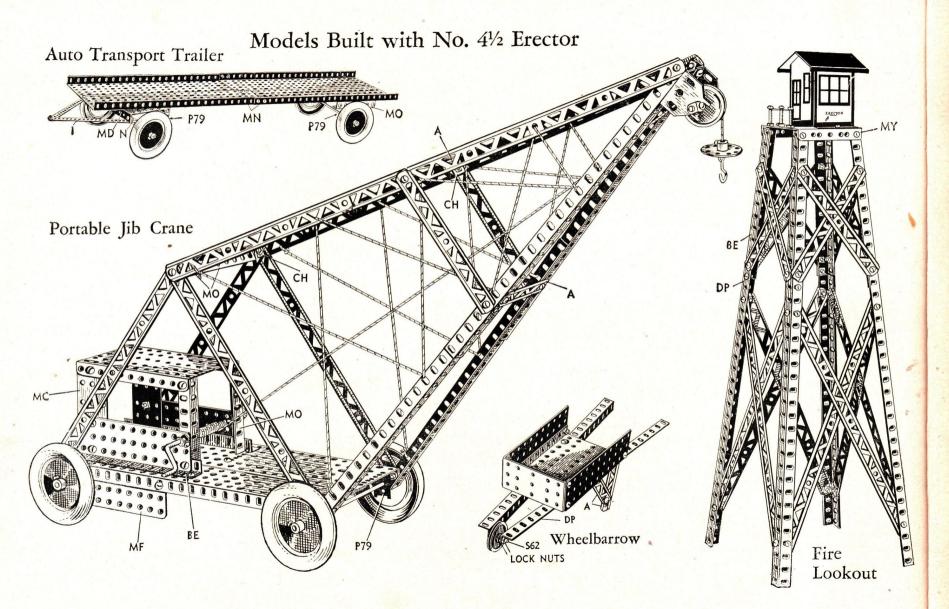
Models Built with No. 41/2 Erector

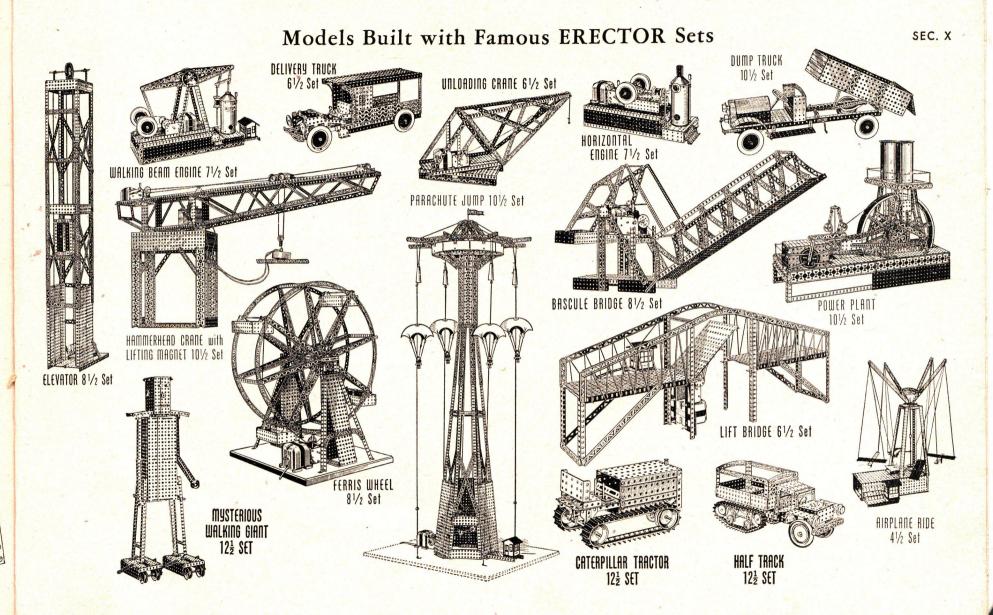




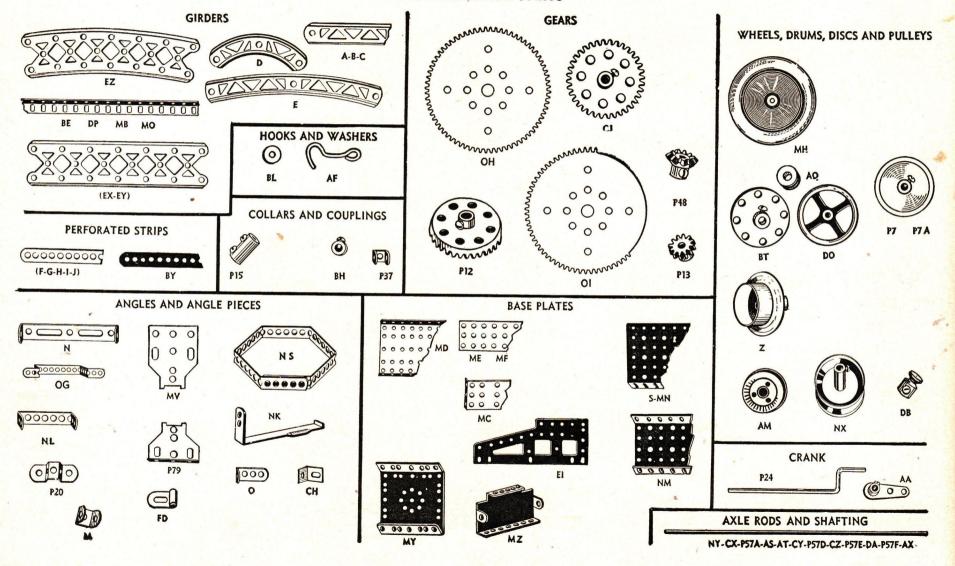


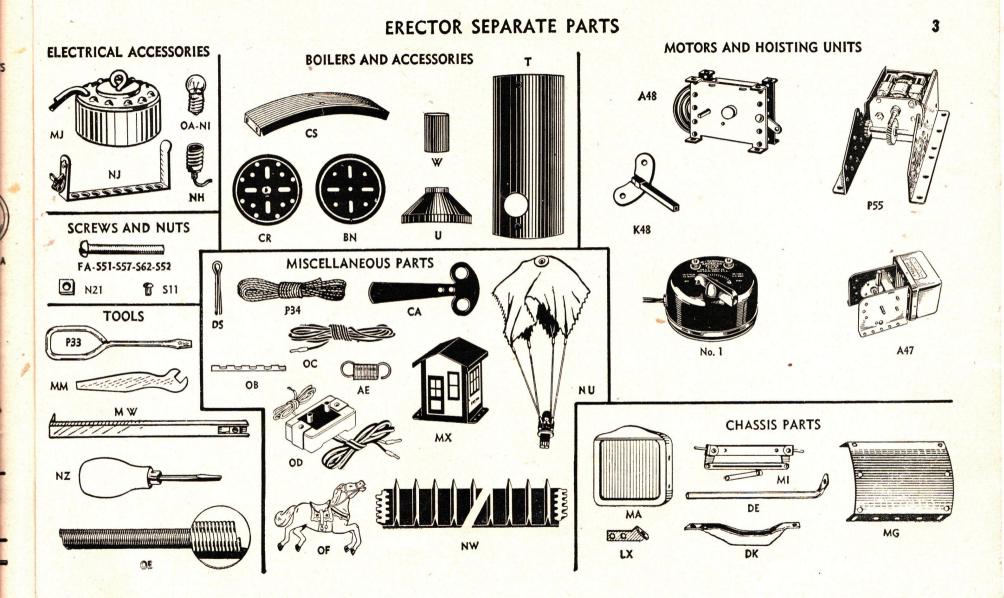






ERECTOR SEPARATE PARTS





ERECTOR SEPARATE PARTS PRICES

KINDLY ENCLOSE CHECK, MONEY ORDER OR STAMPS WITH YOUR ORDER FOR PARTS

THE A. C. GILBERT CO., NEW HAVEN, CONN., U. S. A.

THE A. C. SIEBERT CO., INC., C. S. A.									
Trade No.		Price	Trade No.	Name of Part	Page Price	Trade No	. Name of Part Page	Price	EDUCTOR
*N21	8-32 Square Nut3	.10 doz.	BL	Small Washer	205 d		Battery Holder3	15 ea.	ERECTOR
P7 P7A	Small Wheel, 7/8" Dia2 Small Wheel, 11/8" Dia2	.10 ea.	BN BT	Regular Turret Plate Pierced Disc	315 e		Ratchet		HOW TO MAKE 'EM BOOKS
P12	Crown Gear2	.15 ea.	BY	11-Hole Fibre Strip	210 e		Bolster Bracket2 10" x 2" Flange Plate2	2 for .05	Same as copy included in Sets
P13	12-Tooth Pinion Gear, 1/8".2	.10 ea.		Salahara and a salaha		NS	41 Hole strip—formed2		Price
P13B P15	12-Tooth Pinion Gear, 7/32".2 Coupling	.10 ea.	CA	Signal Arm	310 e	NT NU	Cone	.10 ea.	No. 21/2 Erector How To Make 'Em Book 25 ea
P20	Five Hole Strip—formed2	.10 ea.	CH	Right Angle	210 d		Parachute	.35 ea.	No. 4½ Erector How To Make 'Em Book 25 ea
P24 P33	Crank2	.10 ea.	CJ CR	36-Tooth Gear	220 e	. NX	Tread Pulley	2() ea	No. 6½ Erector How To Make 'Em Book35 ea.
P33 P34	Small Screw Driver3 Hank of String3	.10 ea.	CR	Special Turret Plate with hub	320 e	NY NZ	31/8" Axle Rod	.03 ea.	No. 8½ Erector How To Make Em Book35 ea.
P37	Collar	.25 doz.	CS CZ	Wheel Segment	315 e		Wood Handle Screwdriver.3	.20 ea.	No. 7½ Erector How To Make Em Book35 ea. No. 8½ Erector How To Make Em Book40 ea. No. 10½ Erector How To Make Em Book60 ea.
P48	Mitre Gear2	.20 ea.	CZ	7" Axle Rod	207 e				No. 12½ Erector How To Make 'Em Book
P57A P57D	2½" Axle	.02 ea.	-			OA	Bulb—18 Volt3	.30 ea.	
P57E	8" Axle	.08 ea.	DA	10" Axle Rod	210 e	OB OC	Tread Pin	.10 ea.	
P57F P79	12" Axle	.12 ea.	DB	Motor Pulley	210 e	. OD	Control Box with wires3	1.50 ea.	
P/9	Car Truck2	.05 ea.	DE DK	Steering Column Flat Spring	315 e.		6" Flexible Coupling3	.15 ea.	
			DO	Steering Wheel with Hub	2 15 6		72 Tooth Gear		
*S11	Set Screw	.05 doz.	DP DS	12" Angle Girder	.2. 6 for	50 OF	Segment of 72 Tooth Gear Horse	.21 ea.	ERECTOR KITS
*S51 *S52	1/2" x 8-32 Screw3	.10 doz.	Do	Cotter Pin	305 d	oz. OG	21 Hole Strip-Formed	.23 ea.	N. III D. L. C. C. L. W.
*S57	1/2" x 8-32 Screw3 13/8" x 8-32 Screw3	.15 doz.							No. IE Erector Square Girder Kit \$1.00 ea. No. 5 Erector Illumination Kit 1.95 ea.
*S62 *FA	7/8" x 8-32 Screw3 13/4" x 8-32 Screw3	.10 doz.	EI	Standard Gear Box Side		A48	Mechanical Motor3	1.75 ea.	1.9) Ca.
IA	174 x 8-32 Sciew	.15 doz.	EX	Plate Big Channel Girder 12".	.215 ea		Key for Mechancal Motor3	.20 ea.	
to the state	21/ 11/ 01/ 1		EY	Big Channel Girder 6"	.205 ea		110001	.20 ea.	
AB	2½" Girder	.20 doz.	EZ	Big Channel Curved	2	AT DELY LA			
Č	10" Girder 2. 21/2" Curved Girder 2.	.50 doz.	THE DAY	Girder 6"	210 ea	A47	Electric Engine, gear shift		
C D E F	2½" Curved Girder2	.25 doz.	TID				110v. A.C. only3	5.50 ea.	
E	5" Curved Girder 2 5 Hole Strip 2	.40 doz.	FD	Hinged Loop	2 2 for	10		-	
G H	7 Hole Strip	.10 doz.							
H	11 Hole Strip2	.15 doz.	LX	Steering Column Bracket.	310	a.			
1	21 Hole Strip	.20 doz.				A PLANTAGE AND A			
M	Small Double Angle2	.25 doz.	MA	Radiator	.325 ea				
N	Long Double Angle2	.05 ea.	MB	181/2" Angle Girder	2 25 0	Dee			
M N O S T	Pawl	.05 ea. .40 ea.	MC MD	Base Plate 1" x 2½". Base Plate 2½" x 5". Base Plate 1" x 4".	.205 ea		7-15 Volt Erector Motor A.C. or D.C	6 50 00	
Ť	Boiler	.30 ea.	ME	Base Plate 1" x 4"	.2. 10 ea			0.50 ea.	
W	Boiler Top3 Stack3	.20 ea.	MF MG	Base Plate 1" x 5"	.2. US ea	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
WZ	Flanged Wheel 15/16" Dia2	.15 ea.	MH	Radiator Hood Nickle Rim, 3" Disc	.320 ea	. 1 1	Transformer	4.95 ea.	
	710		be a second	Wheel	7 15 0				
AA	Eccentric Crank2	.10 ea.	MI MI	Front Axie Unit	.3. 45 es		NOTE		
AE	Spiral Spring	.05 ea.	MM	Electro Magnet with Cord. Wrench	.3 1.10 ea	*N21 N.	t used with screws S51, S52, S5	7 S62 PA	
AF AM	Small Hook2	.15 doz.	MN	12" Base Plate	.2. 40 ea	1 *S11 Set	Screw used with pulleys, coupling	ngs. etc.	
AO	Special Pulley—Metal2 Sheave Pulley2	.05 ea.	MO MV	3" Angle Girder	.2. 30 d	2.			
AQ AS AT	27/8" Axle Rod	.03 ea.	MW	Flat Car Truck Nut Holder	.205 ea				
AT	4" Axle Rod	.04 ea.	MX	House	.335 es				
			MY MZ	21/2" x 21/2" Base Plate	2 05 69				
BE	6" Angle Girder2	.50 doz.	NH	Bearing Block	2 20 00				
ВН	Solid Collar2	2 for .10		Bulb—11/2 Volt	.3., .10 ea				

FASCINATING FUN WITH THESE ERECTOR ACCESSORIES!

LIGHT UP MERRY-GO-ROUNDS—BLOW WHISTLE SIGNALS—MAKE YOUR MODELS PUFF SMOKE AND CHOO-CHOO—YOU CAN DO ALL THIS AND MORE WITH THE EXCITING ERECTOR ACCESSORIES SHOWN HERE!

No. 6 ERECTOR WHISTLE KIT
Sound whistle signals for trains, or

No. 7 ERECTOR SMOKE AND CHOO-CHOO KIT

You can not only have puffing Smoke and realistic Choo-Choo, but actually build a life-like firebox glow right into the boiler of your model! Kit can be used on Erector Set 7½ and up, but 7-15 volt Transformer is necessary to operate Smoke unit.

BUILD BIGGER BRIDGES

communicate by Morse Code with the

used with any Erector Set, but a 7-15

volt Transformer is necessary. Kit in-

cludes Whistle unit, control box,

power leads and instructions.

AND TOWERS . . .

No. 1E ERECTOR SQUARE GIRDER KIT
Make your Towers higher, your Bridges and other
models larger and more massive with this supply of
extra girders. Kit contains twenty 10" girders, eight 5" girders
plus ample nuts and bolts.

Your Erector models take on new realism and fun when you connect them with specially-designed Accessories like the four illustrated on this page. With the Illumination Kit you can make many of your models a blaze of light; your

Whistle Kit will sound warning blasts on bridges and cranes. The Smoke and Choo-Choo Kit will produce spectacular results that will amaze your friends. And you'll find the Square Girder Kit invaluable in making bigger bridges, higher towers and other models.





No. 5 ERECTOR ILLUMINATION KIT A real "must" for any Erector Set! Can be used to light up colored lamps on your Erector models in a variety of spectacular ways. Lights can be stationary, revolving or blinking. Kit contains 4 red and 4 green bulbs, 8 light sockets, 8 feet of plastic-covered wire, commutator and brush unit. 7-15 volt Transformer necessary. For all Erector Sets.

