

NO. 4

THE FAMOUS No. 4
WITH POWERFUL ELECTRIC
MOTOR AND GEAR BOX



Printed in U. S. A.
M1004-A

MANUAL OF INSTRUCTIONS

THE NEW **ERECTOR** REG. U.S. PAT. OFF.

THE ONLY CONSTRUCTION TOY
WITH THE SQUARE GIRDER

THE A. C. GILBERT CO.,
New Haven, Conn., U. S. A.

IN ENGLAND
The A. C. Gilbert Company,
109 Kingsway, London, W. C. 2

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Hello Boys!

I want to explain to you all about the Erector Family, the World's Standard in Construction Toys.

The Old Plan:—

The old type of Accessory Set merely converted one size construction toy set into the next higher-priced set. It mainly provided more parts of the same kind you already had.

The New Plan:—

Now when you obtain an Accessory Set, it will match with any standard Erector Set and in addition, the new Erector Family of Accessory Sets are complete units in themselves.

The Regular Erector Sets consist of:

- | | |
|--|-------|
| No. 1 Dandy Beginner's Set ..... | ..... |
| No. 3 The Set with the Long Girders ..... | ..... |
| No. 4 The Famous No. 4 with Powerful Electric Motor and Gear Box ..... | ..... |
| No. 6 The Set with the Boiler ..... | ..... |
| No. 7 The Set that builds the Steam Shovel ..... | ..... |
| No. 7½ Motorized Erector. The Set with the Chassis ..... | ..... |
| No. 8 Trail Blazing No. 8. The Set that Builds the Zeppelin ..... | ..... |
| No. 9 Mechanical Wonder Set, with 110 volt Motor ..... | ..... |
| No. 10 Deluxe Set, Builds all Erector Feature Models ..... | ..... |
| No. 12 Master Engineer's Set, Amazing — Gigantic — Complete ..... | ..... |

The New Erector Family of Accessory Sets consists of:—

- | | |
|---|-------|
| No. 3005 Erector Electrical Set. The Set that Electrifies and Illuminates ..... | ..... |
| No. B Big Girder Set. The Set That Builds the Ferris Wheel ..... | ..... |
| No. C Erector Airplane Set ..... | ..... |

These New Accessory Sets are for the purpose of featuring and specializing in certain types of Trumodel building, Construction Equipment, Electrification and Illumination, etc.

THERE IS WORLDS OF FUN IN ANY ERECTOR SET

Your Friend,

A.C. Gilbert

Manual of Instructions

Section 1

**MANY
MODELS
ILLUSTRATED**

**ERECTOR SETS
BUILD THE
MOST MODELS**



THE NEW ERECTOR

**BUILDS THE MOST MODELS
HAS THE MOST PARTS
THE ONLY CONSTRUCTION TOY WITH THE SQUARE GIRDER**

**OTHER
MANUALS
FOR LARGER
SETS**

**MANUALS
FREE WITH
ALL SETS**

The A. C. Gilbert Company, New Haven, Conn., U. S. A.

IN ENGLAND

The A. C. Gilbert Co., 109 Kingsway, London, W. C. 2

THE WORLD'S GREATEST TOY FOR BOYS.



Hello Boys!

You are to be Congratulated!

Just think! You now own an Erector set which is the best toy of its kind ever made for boys.

It has girders like structural steel, exactly like those used in sky-scrapers, offices, factories and public buildings in New York, Chicago, London, Paris, Berlin and other great cities of the world. Then again, you can build derricks, machine shops, battleships, aeroplanes, steam shovels, ferris wheels, engines, and thousands of other things for which only the special Erector parts are designed. These can be operated with the electric motor which is included with most of the sets.

You will notice that the models in this manual cover a very wide range of subjects. Most of them were originated and designed by boys. For this reason I have not given a description under most of the models, because if other boys are able to invent models, I am quite sure that you will not have any difficulty in constructing them when you have the actual reproduction before you. It is much more interesting and also instructive to work out these models without being told every step in detail. This is what you will have to do when you become a real engineer.

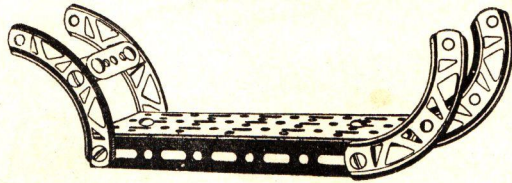
I know you are going to have lots of fun with Erector.

Your Friend,

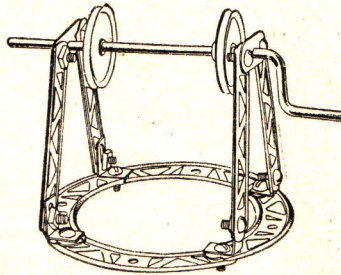
A.C. Gilbert

Models Built with No. 1 Erector

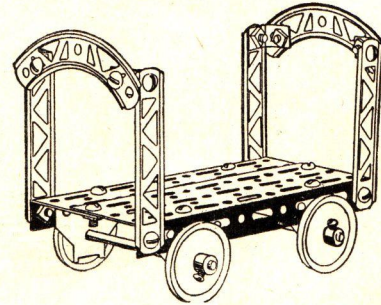
The number of models that can be built with Erector is unlimited. While we show a great many in this book, they are only indications of the large number of different varieties and the adaptability of Erector, The World's Greatest Toy.



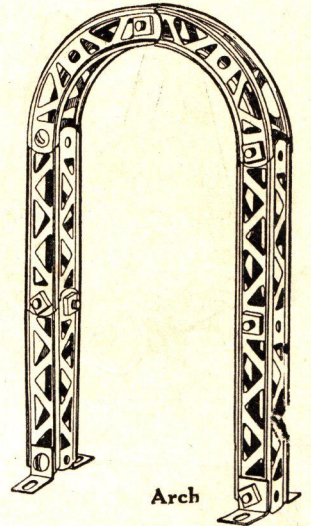
Sled



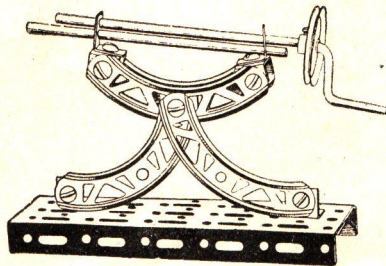
Well Windlass



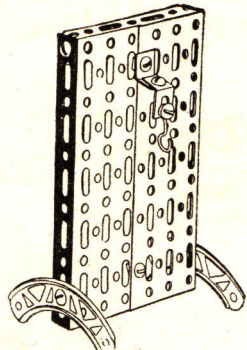
Factory Truck



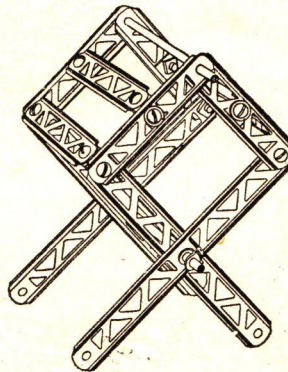
Arch



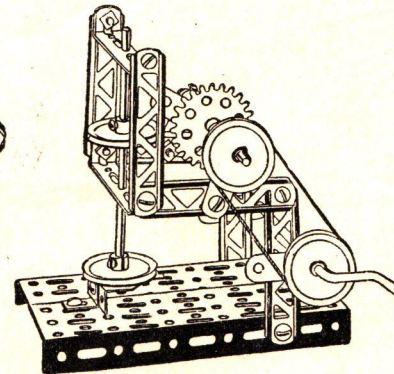
Machine Gun



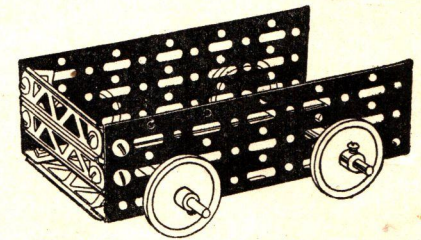
Watch Hanger



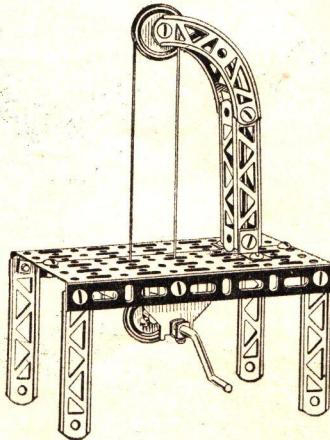
Clothes Dryer



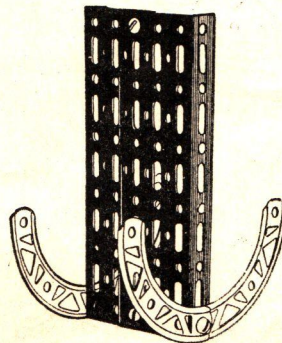
Trip Hammer



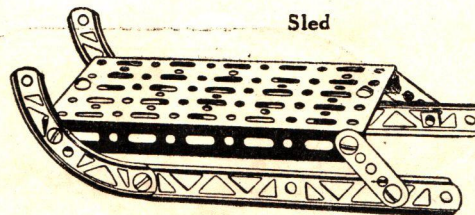
Push Truck



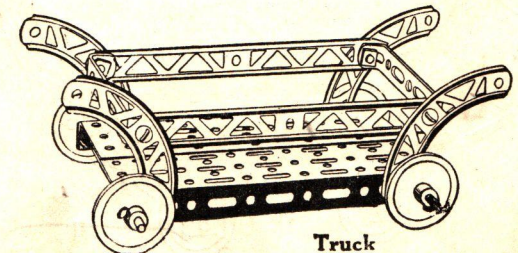
Band Saw



Rocking Sign

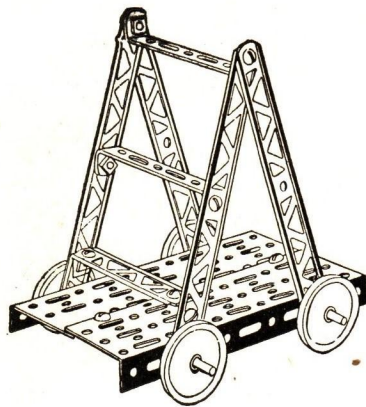


Sled



Truck

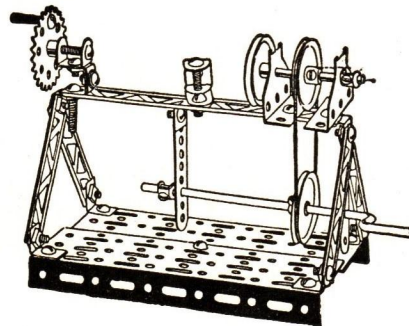
Models Built with No. 1 Erector



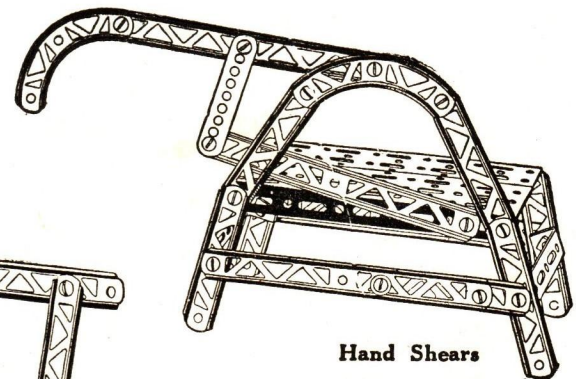
Truck Ladder



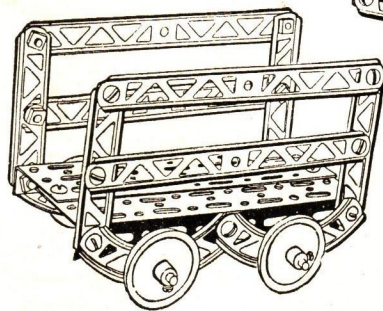
Potato Cutter



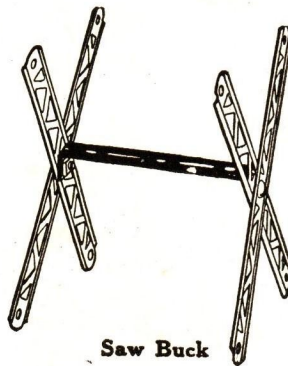
Lathe



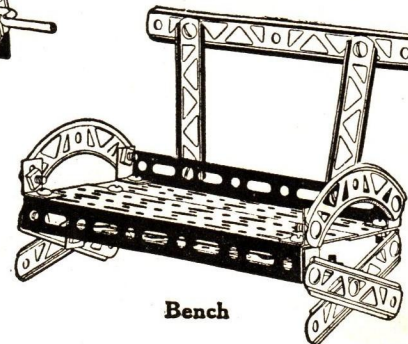
Hand Shears



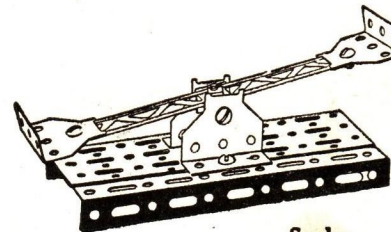
Baggage Truck



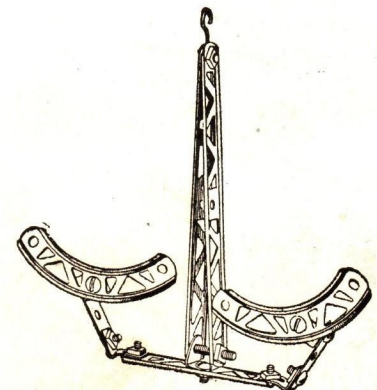
Saw Buck



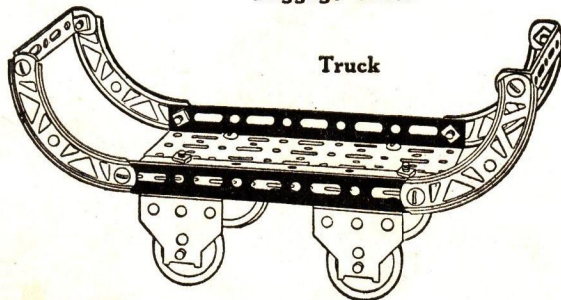
Bench



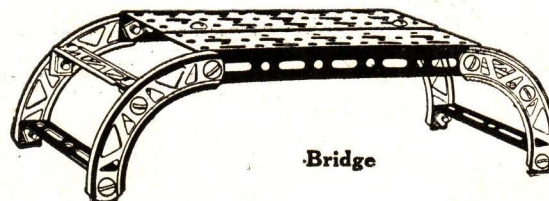
Scales



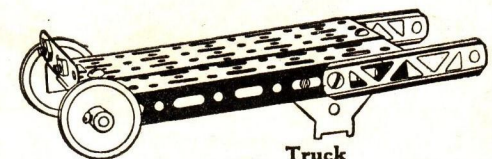
Anchor



Truck

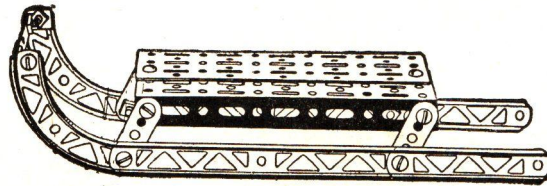


Bridge

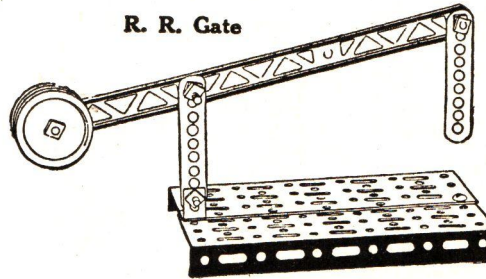


Truck

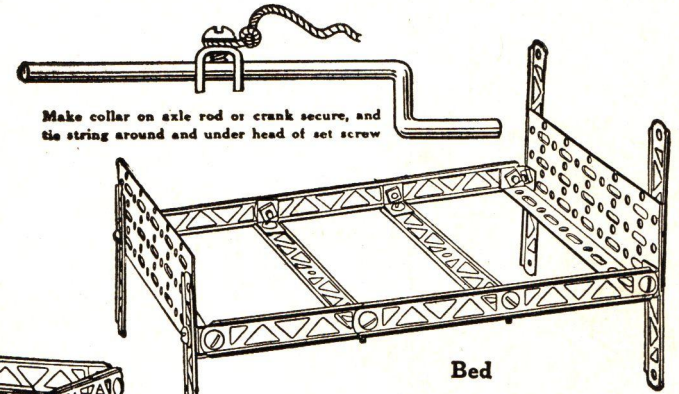
Models Built with No. 1 Erector



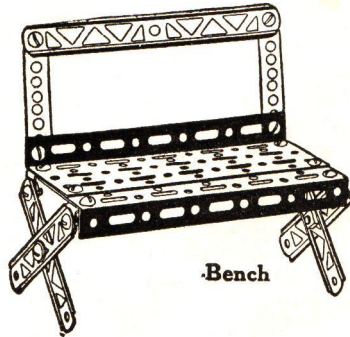
Seat Sled



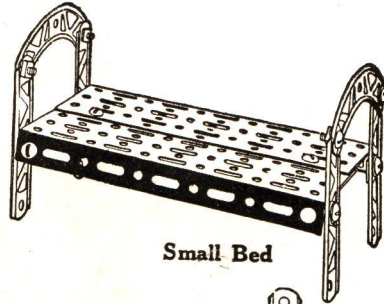
R. R. Gate



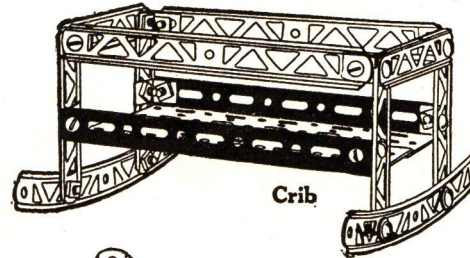
Bed



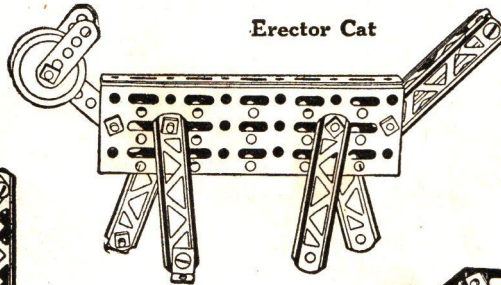
Bench



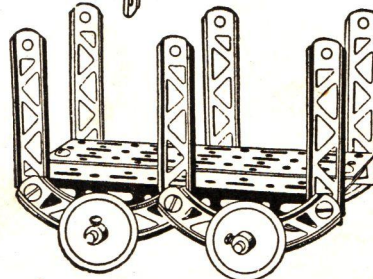
Small Bed



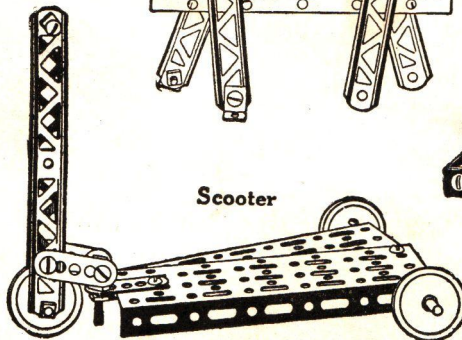
Crib



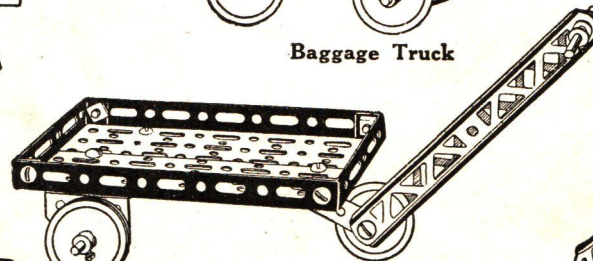
Erector Cat



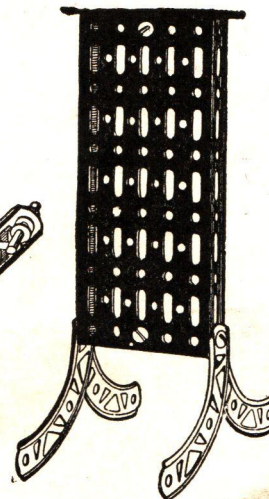
Baggage Truck



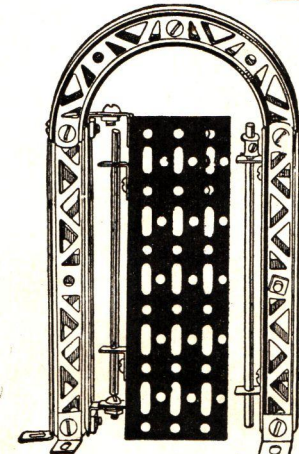
Scooter



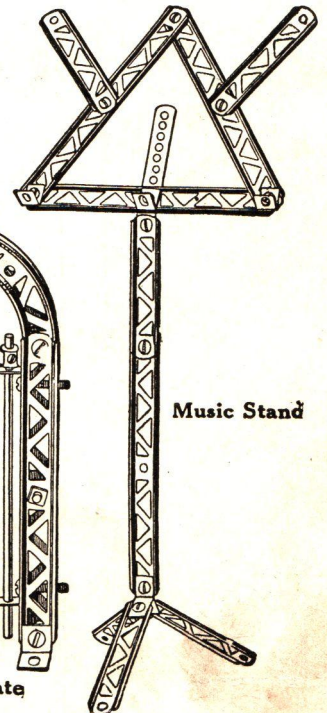
3-Wheeled Wagon



Stationary Sign

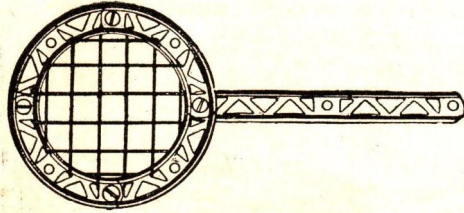


Arch Gate



Music Stand

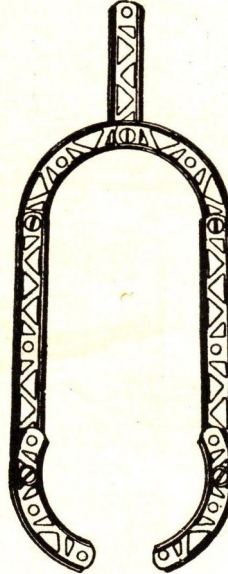
Models Built With No. 1 Erector



No. 158—Tennis Racket



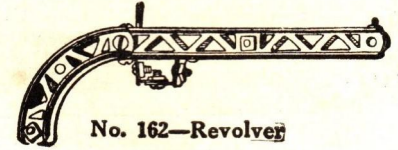
No. 159—Hoop



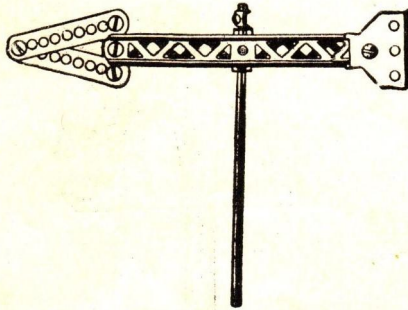
No. 160—Tongs



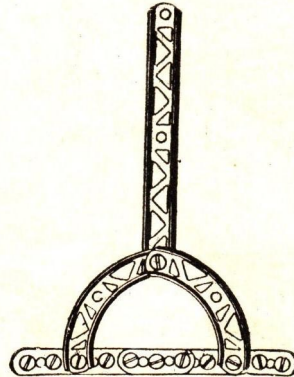
No. 161—Horse Shoe



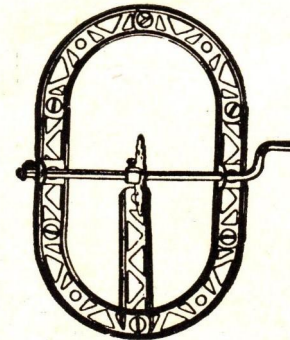
No. 162—Revolver



No. 163—Weather Vane



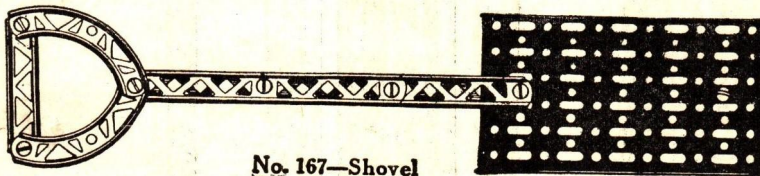
No. 164—Rake



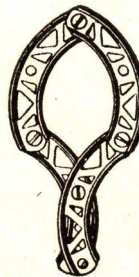
No. 165—Noise Maker



No. 166—Erector Jr.



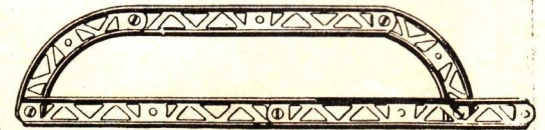
No. 167—Shovel



No. 168—Snow Shoe

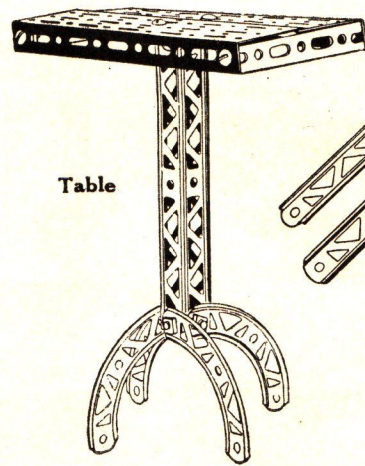


No. 169—Gin

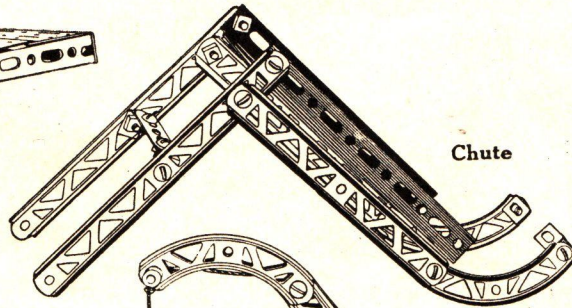


No. 170—Meat Saw

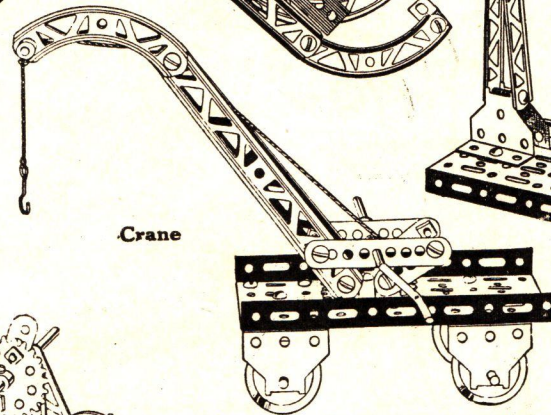
Models Built with No. 1 Erector



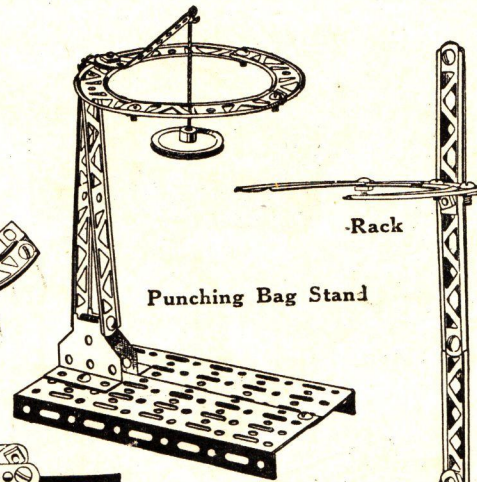
Table



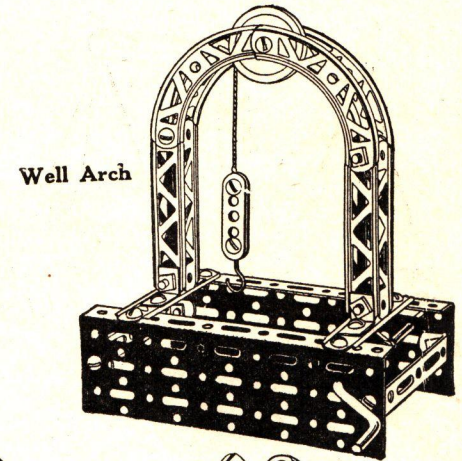
Chute



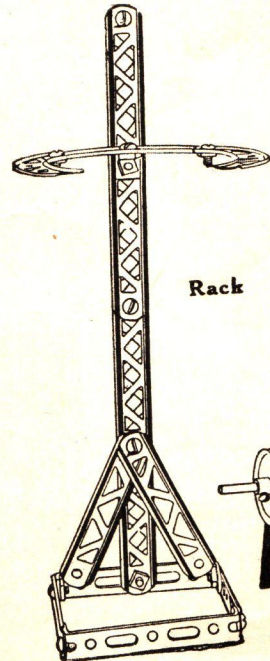
Crane



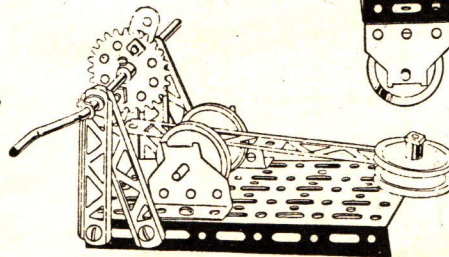
Punching Bag Stand



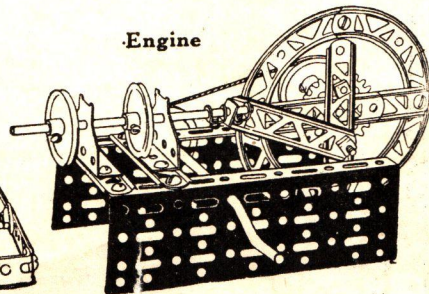
Well Arch



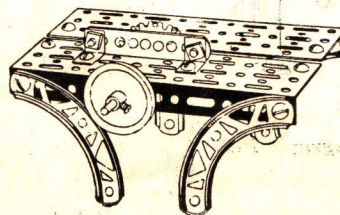
Rack



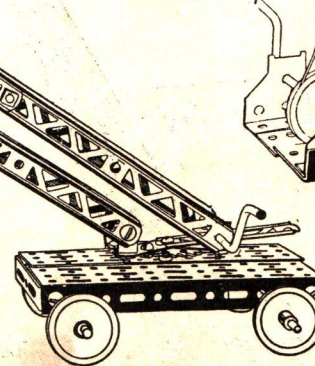
Trip Hammer



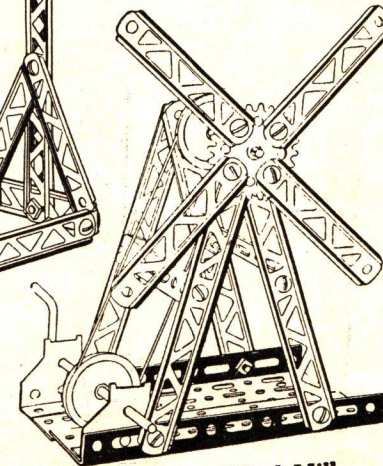
Engine



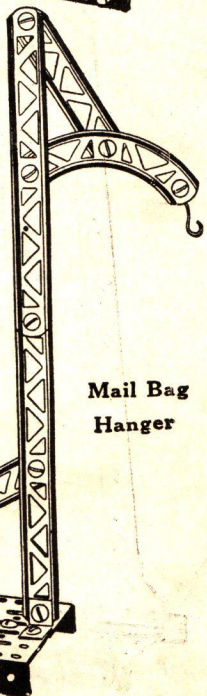
Saw



Crane

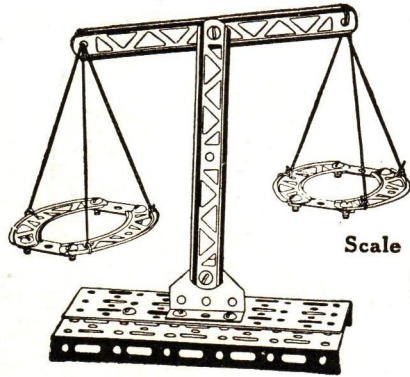


Wind Mill

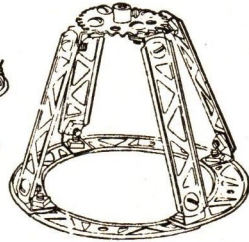


Mail Bag Hanger

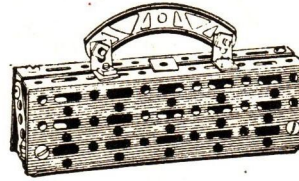
Models Built with No. 1 Erector



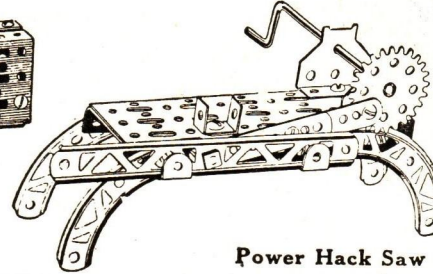
Scale



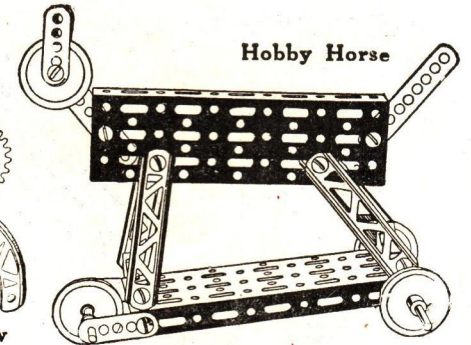
Lamp Shade



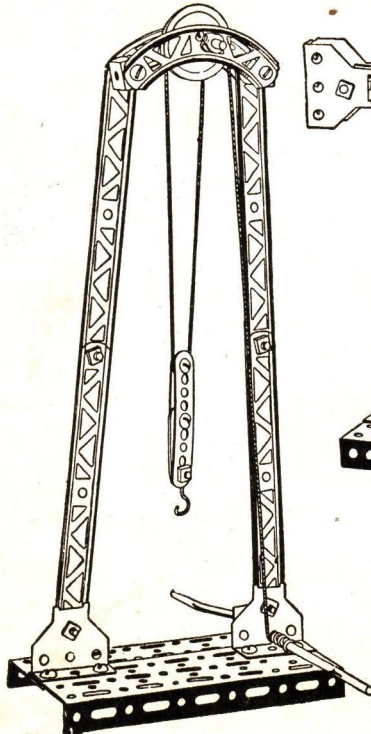
Suit Case



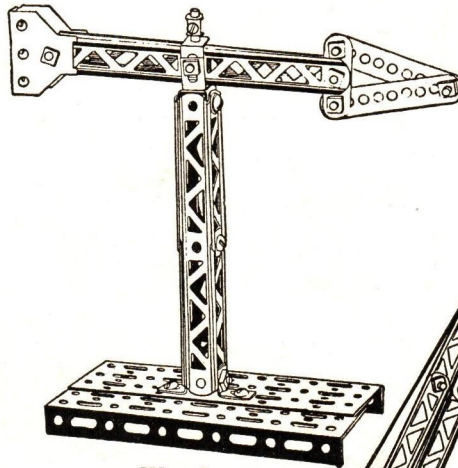
Power Hack Saw



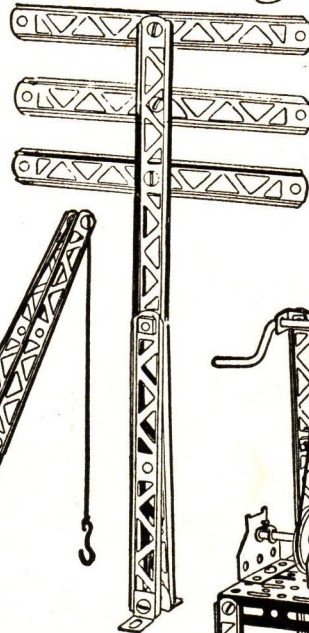
Hobby Horse



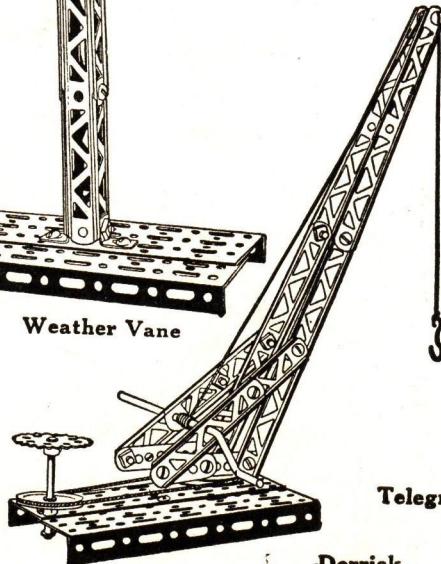
Hoist



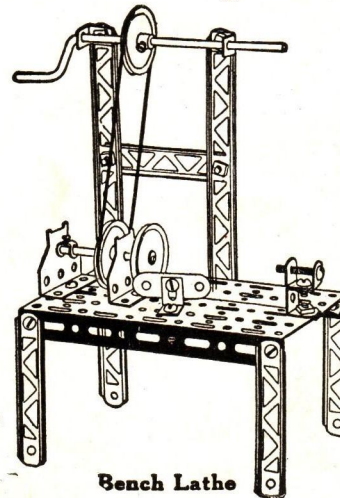
Weather Vane



Telegraph Pole



Derrick



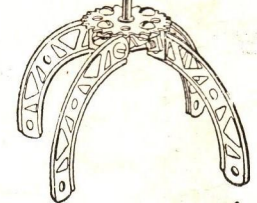
Bench Lathe



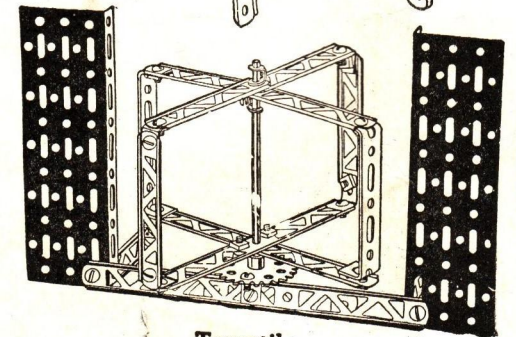
Day Bed



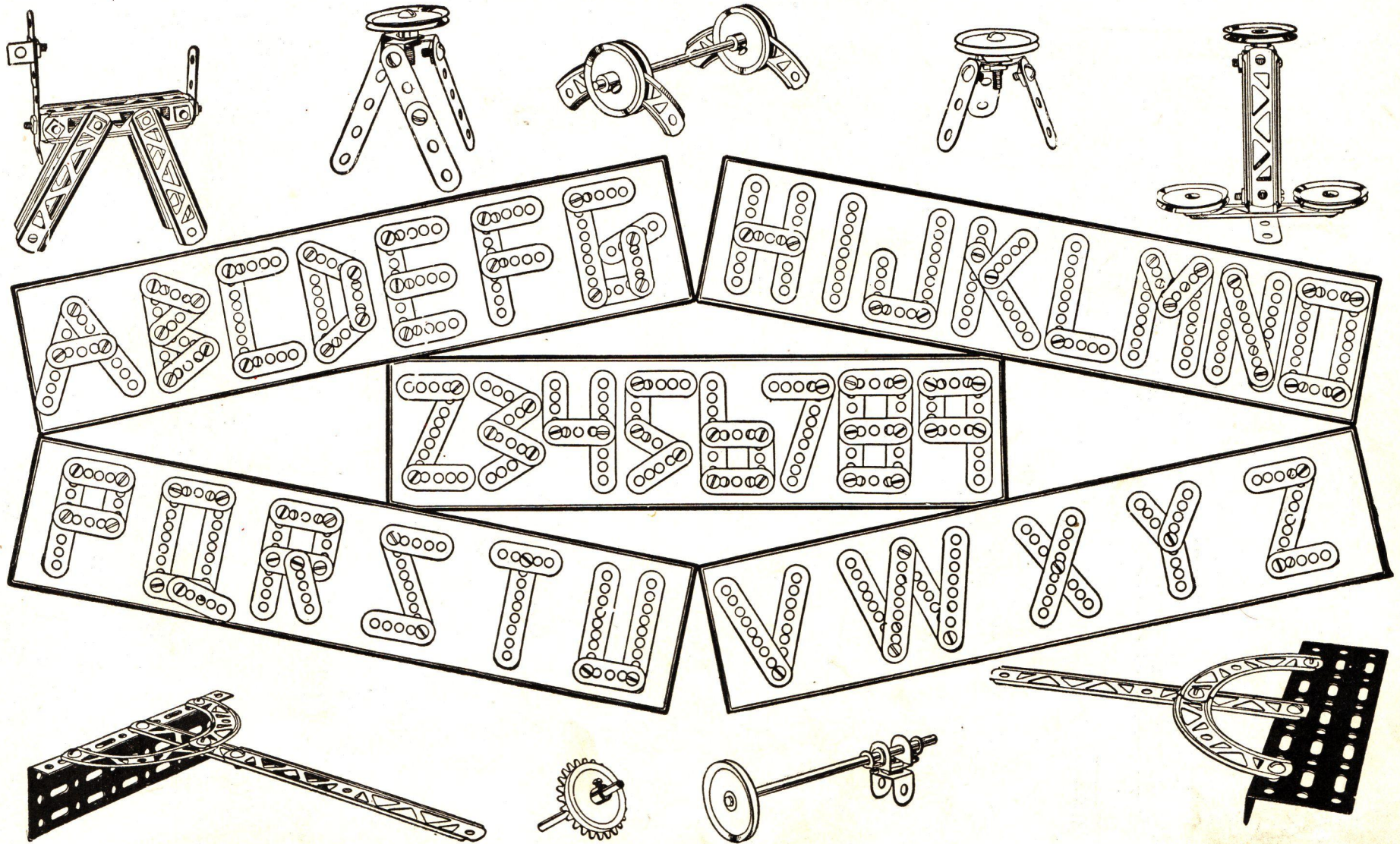
Table



Turnstile

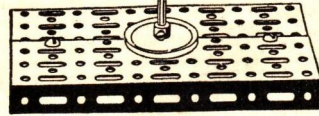
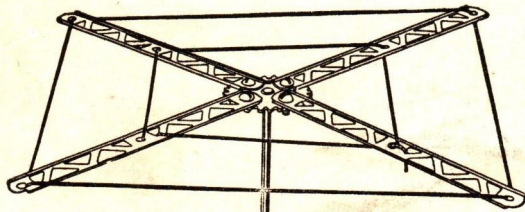


Models Built With No. 1 Erector

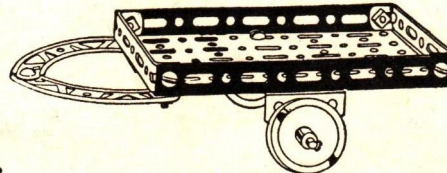


Models from No. 89 to No. 131 Shown on this Page

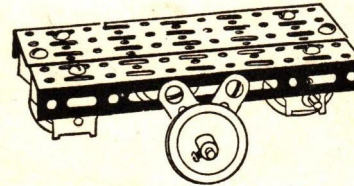
Models Built with No. 1 Erector



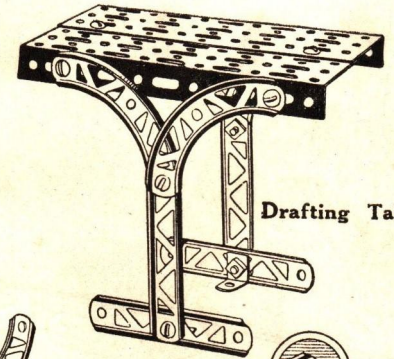
Clothes Hanger



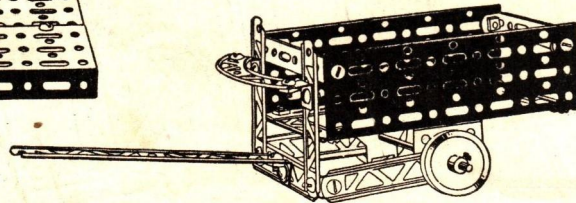
Push Cart



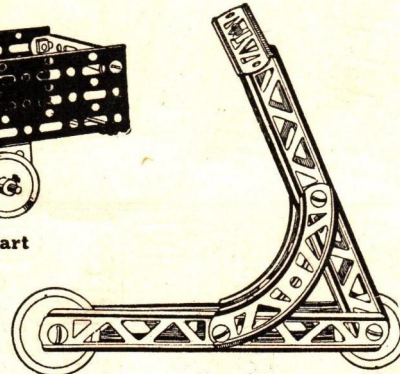
Truck



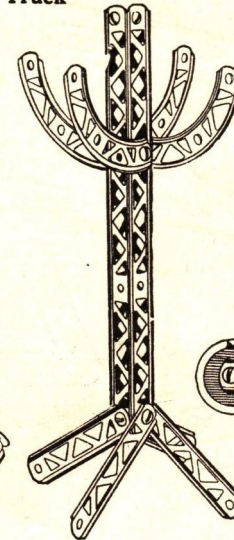
Drafting Table



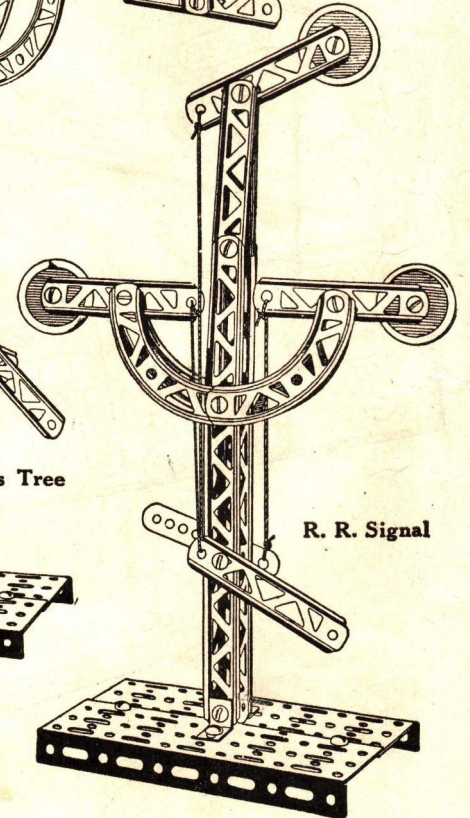
Dump Cart



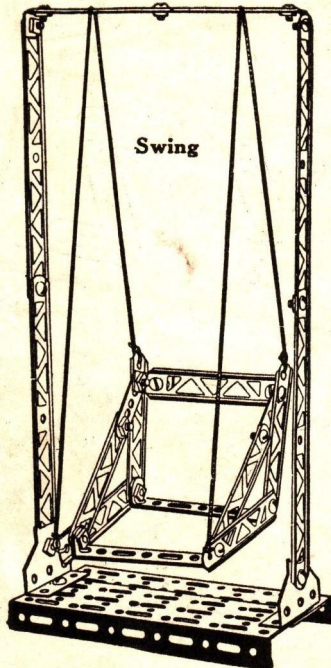
Scooter



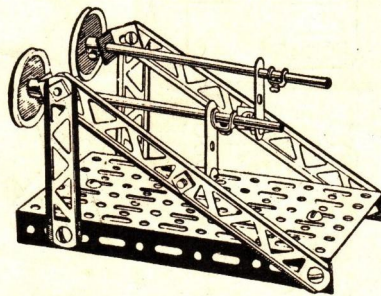
Clothes Tree



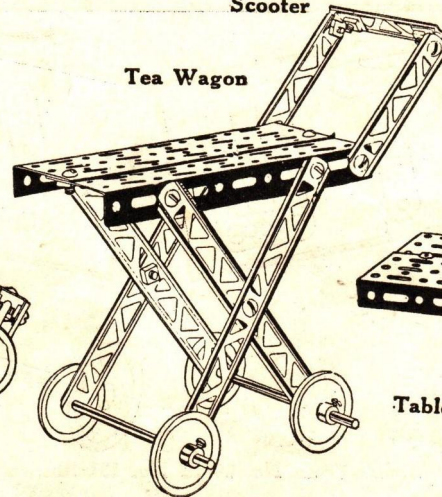
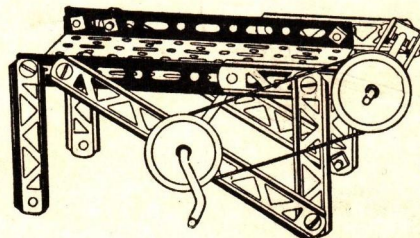
R. R. Signal



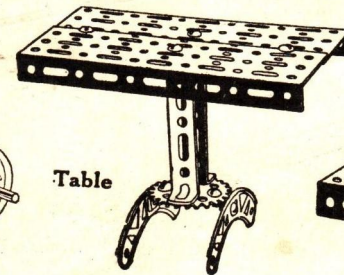
Swing



Chopper

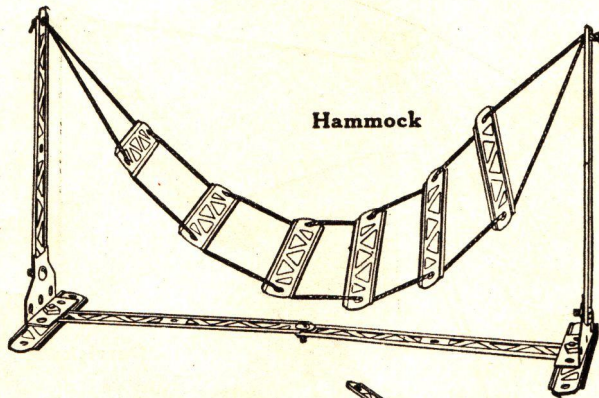


Tea Wagon

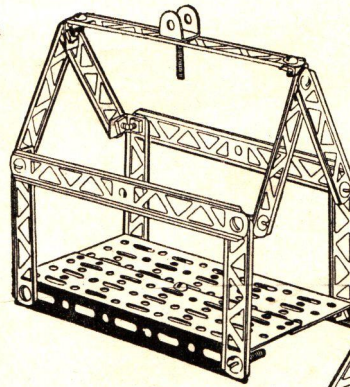


Table

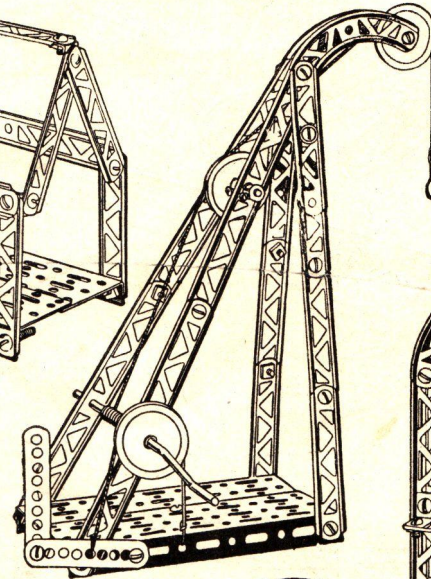
Models Built with No. 1 Erector



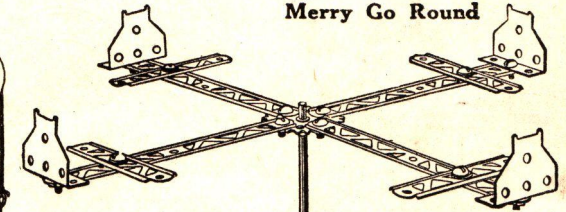
Hammock



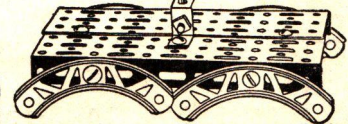
House



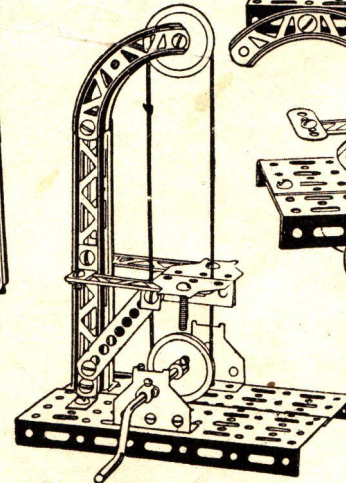
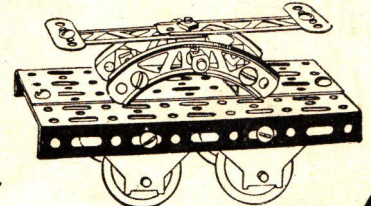
Hoist Derrick



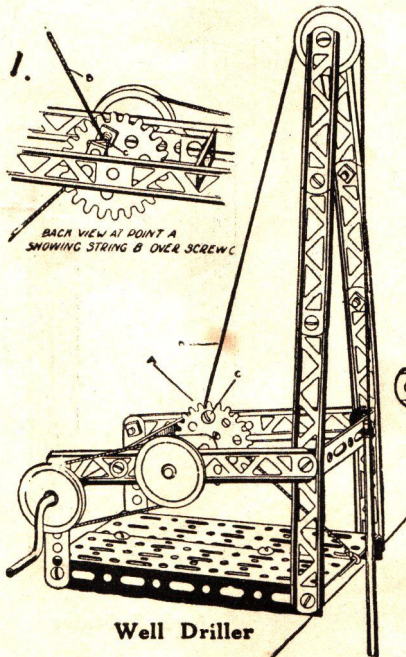
Merry Go Round



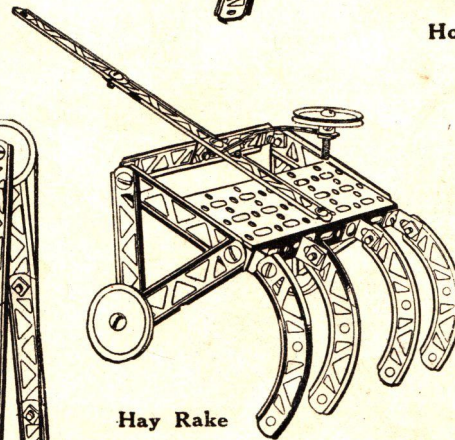
Hand Car



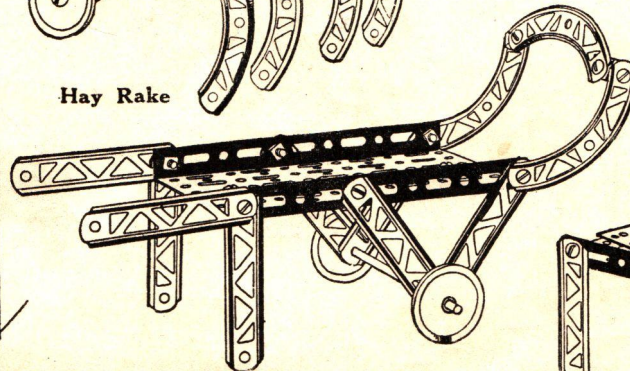
Jig Saw



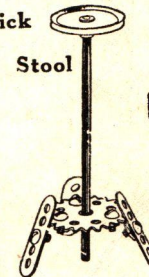
Well Driller



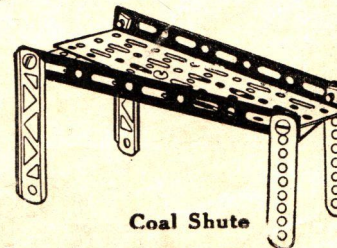
Hay Rake



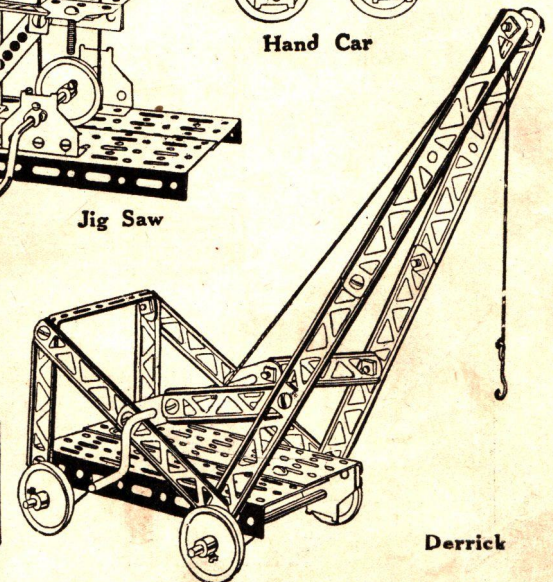
Truck



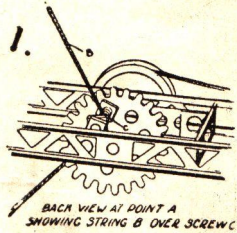
Stool



Coal Shute

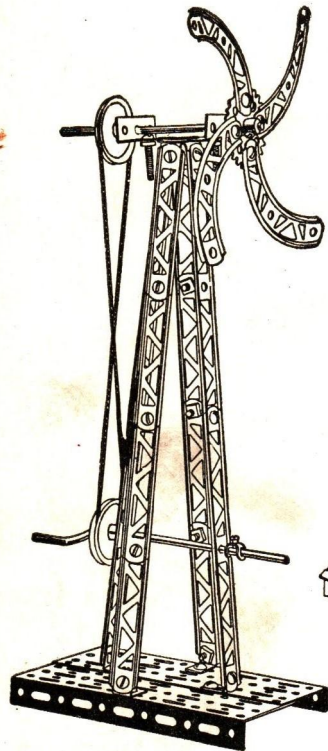


Derrick

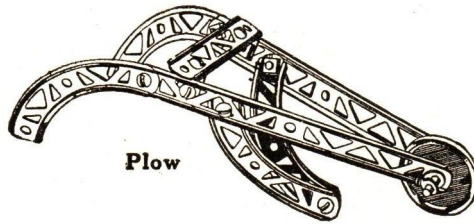


BACK VIEW AT POINT A
SHOWING STRING & OVER SCREW

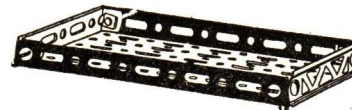
Models Built with No. 1 Erector



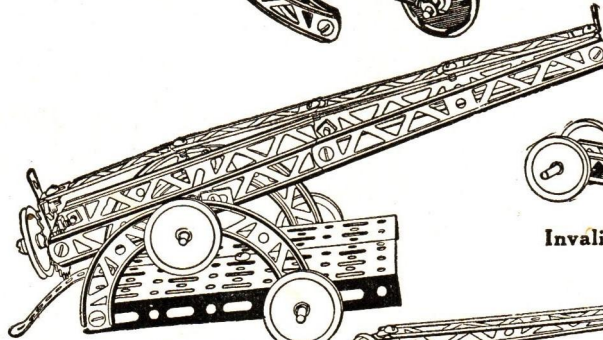
Wind Mill



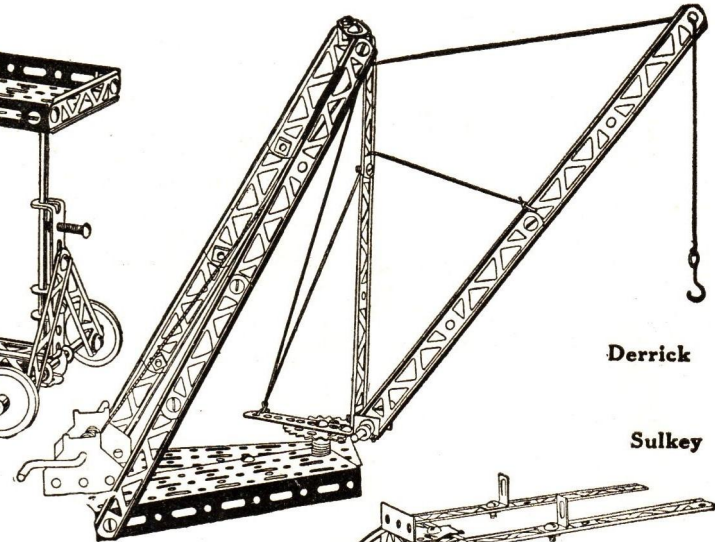
Plow



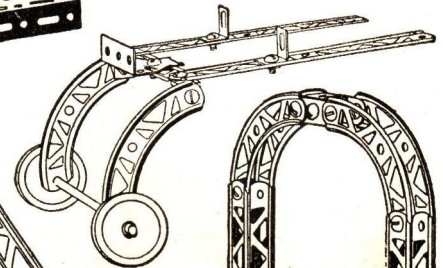
Invalid Table



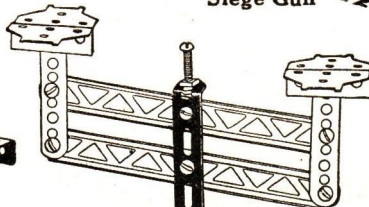
Siege Gun



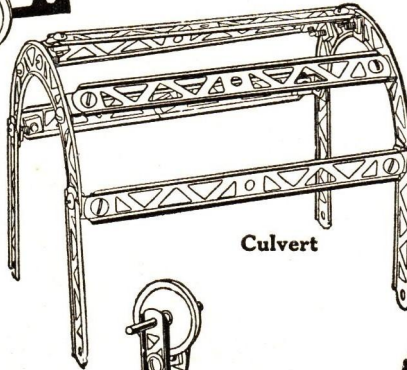
Derrick



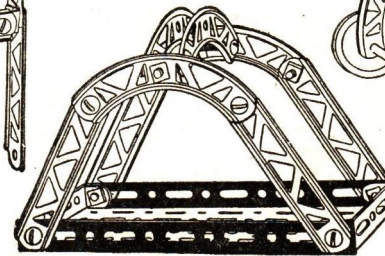
Sulkey



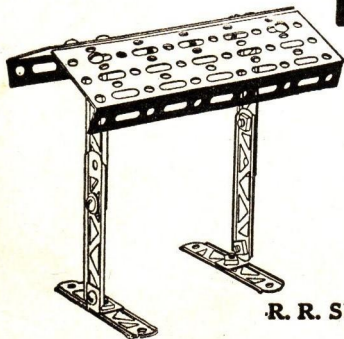
Scales



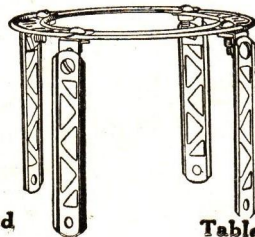
Culvert



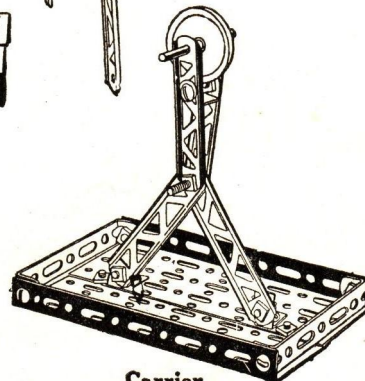
Basket



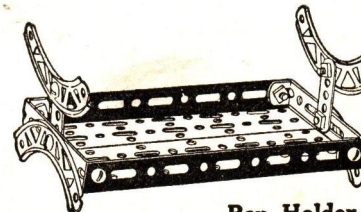
R. R. Shed



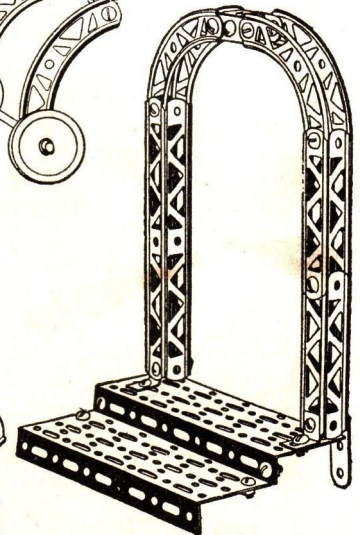
Table



Carrier

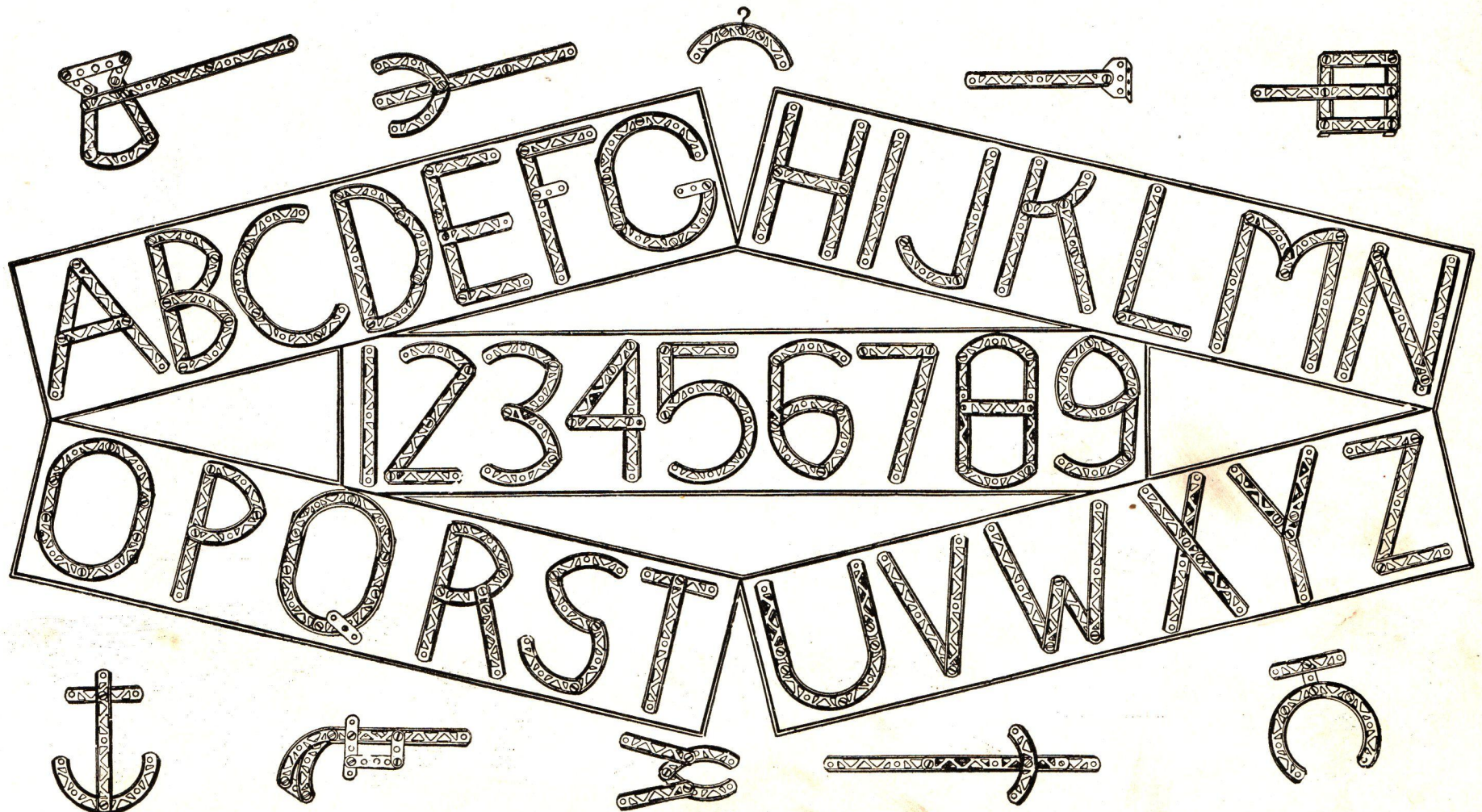


Pen Holder



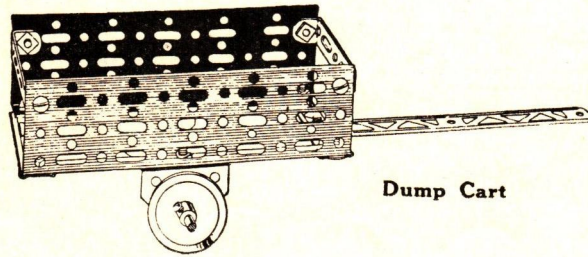
Arch & Stairs

Models Built With No. 1 Erector

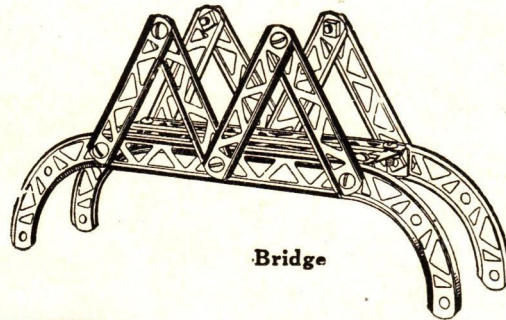


Models from No. 209 to No. 252 shown on this page

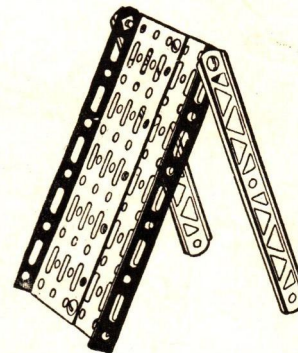
Models Built with No. 1 Erector



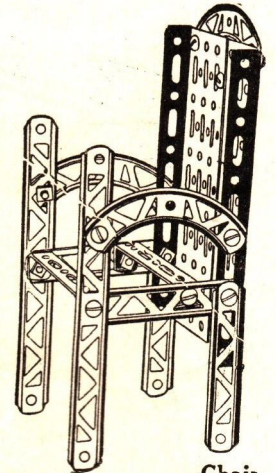
Dump Cart



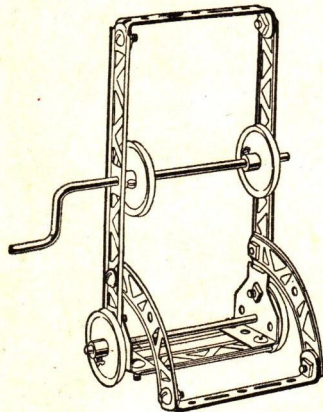
Bridge



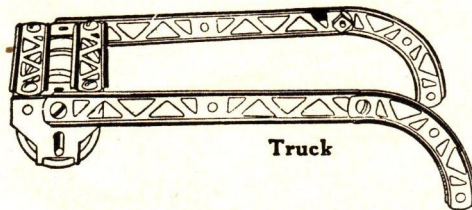
Sand Sifter



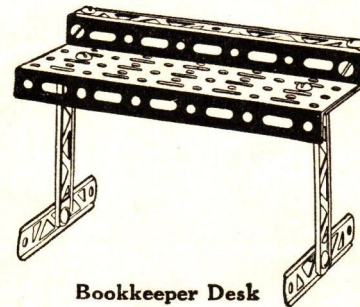
Chair



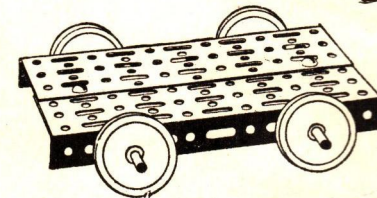
Hose Rack



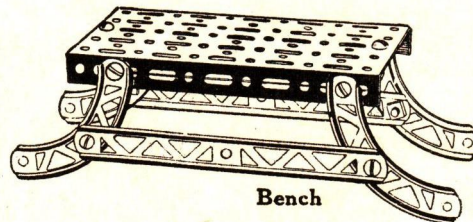
Truck



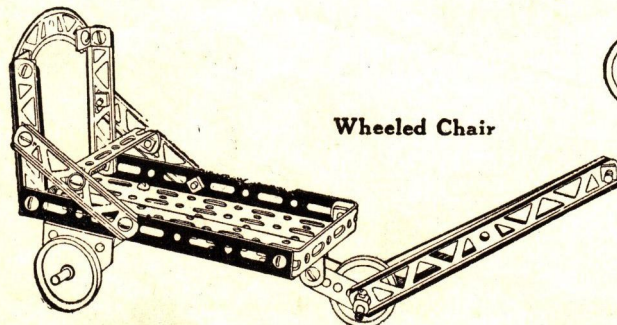
Bookkeeper Desk



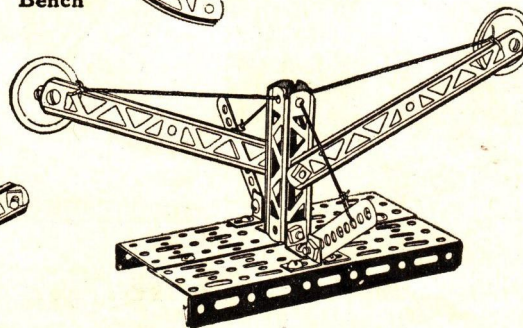
Low Truck



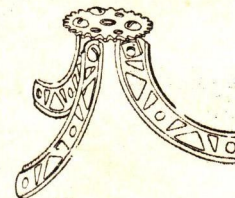
Bench



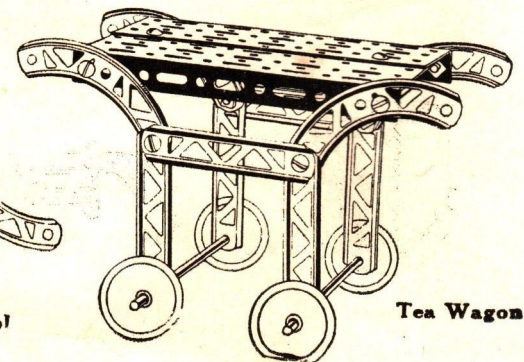
Wheeled Chair



R. R. Gate Crossing



Stool

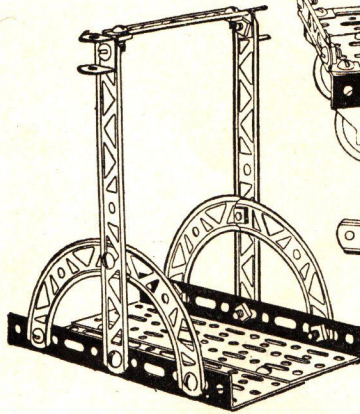


Tea Wagon

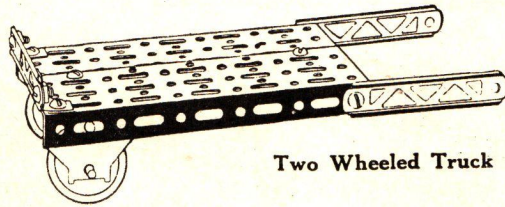
Models Built with No. 1 Erector

Hundreds of larger models can be built with larger Erector Sets. They are shown in other Books of Instruction furnished with each set.

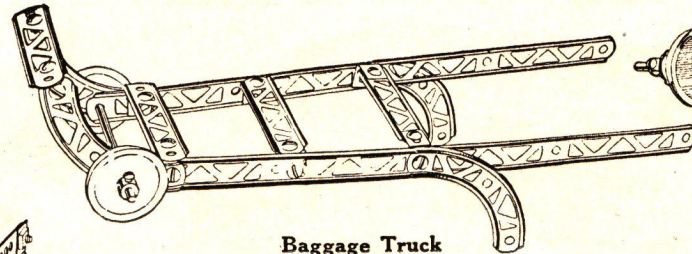
Elevator Car



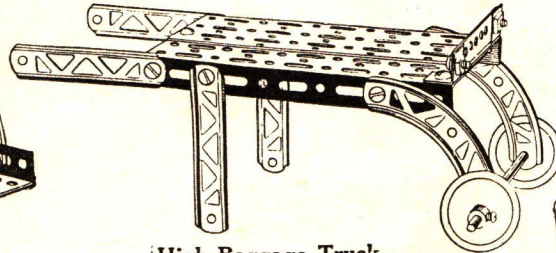
Two Wheeled Truck



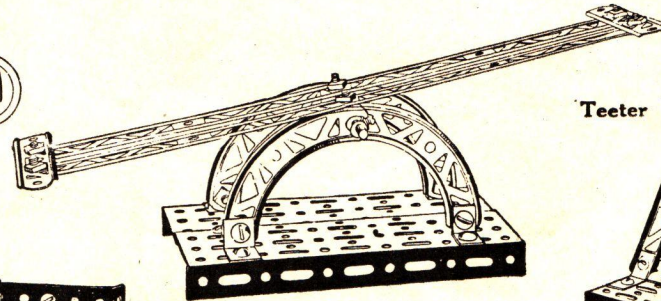
Baggage Truck



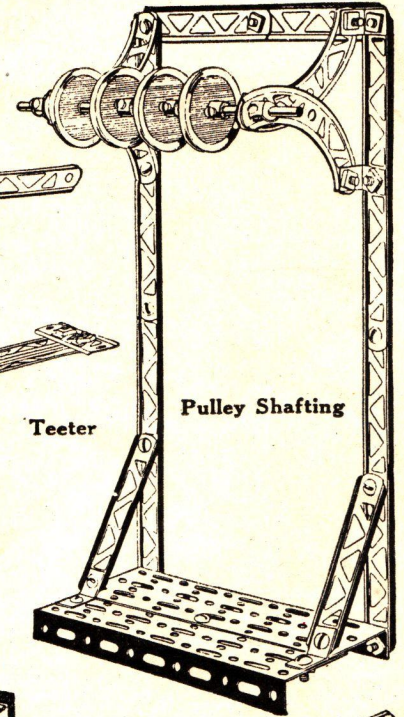
High Baggage Truck



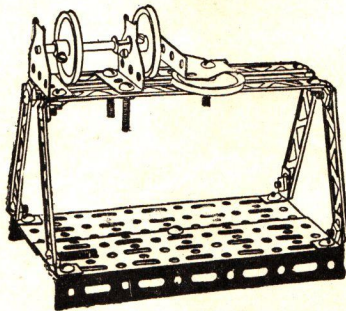
Teeter



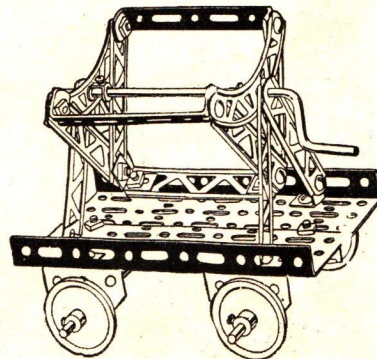
Pulley Shafting



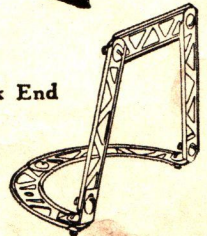
Lathe



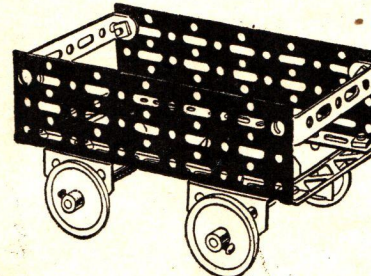
Dump Cart



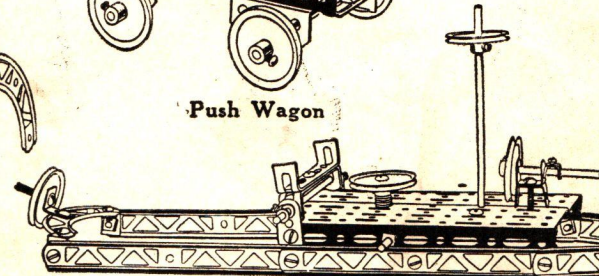
Book End



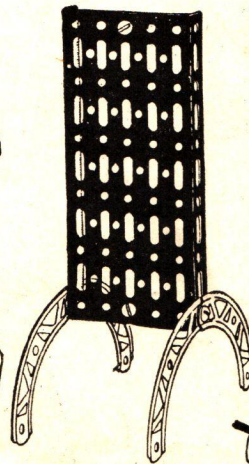
Push Wagon



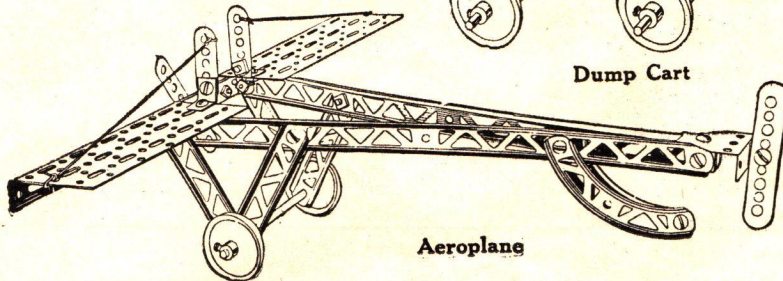
Monitor



Sign

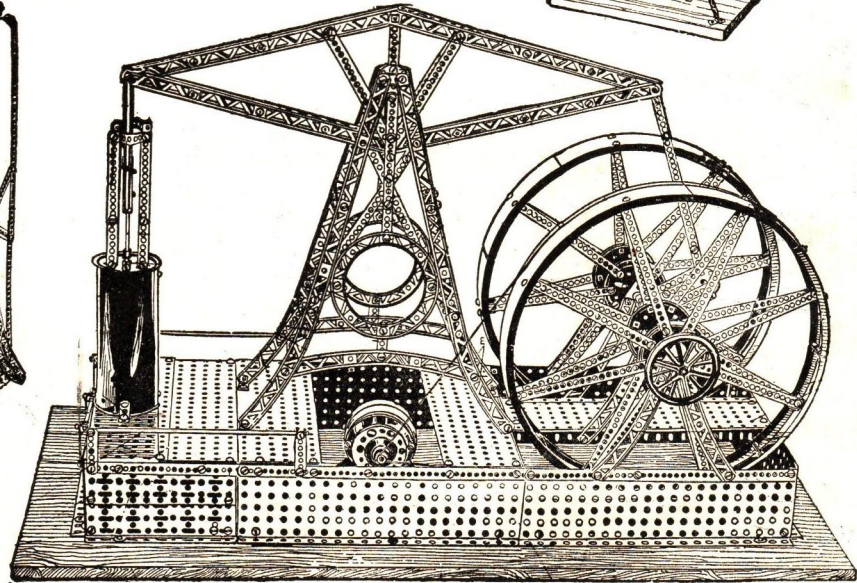
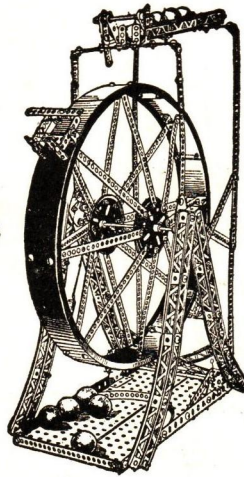
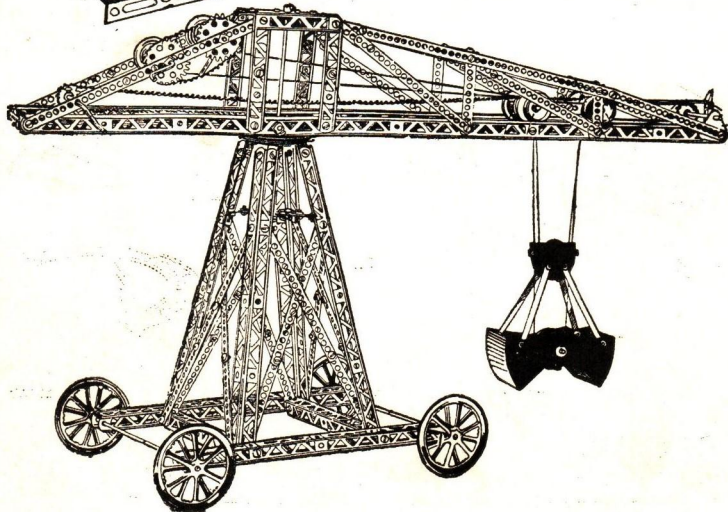
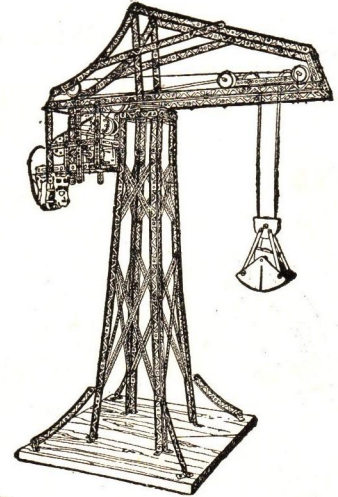
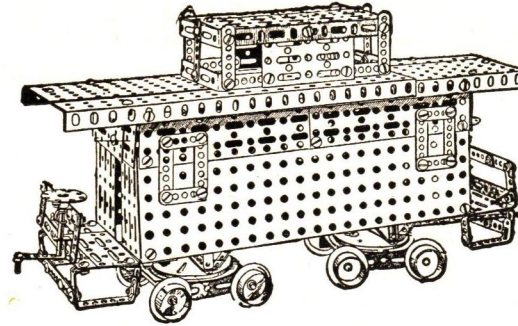
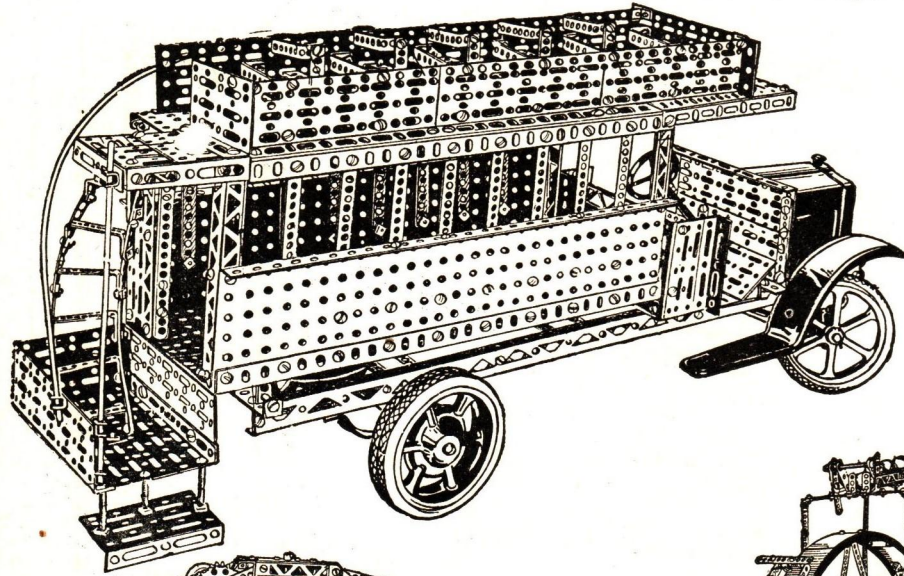


Aeroplane



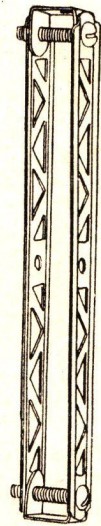
The New Erector Builds These Wonderful Models

All Of These Models Can Be Built With The Larger New Erector Sets



STANDARD DETAILS OF ERECTOR CONSTRUCTION

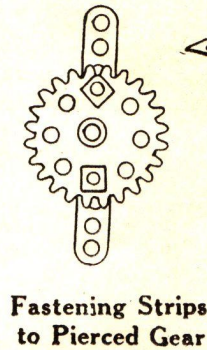
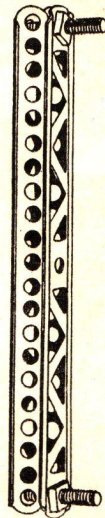
Section 2



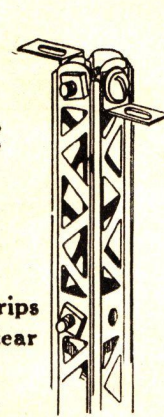
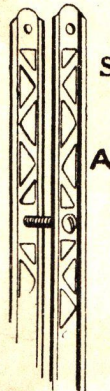
Parallel Beam



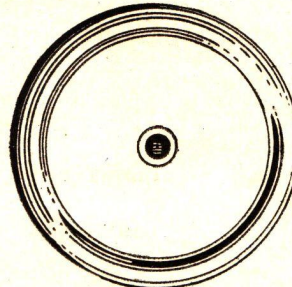
use washers
to prevent
screw from
protruding too far beyon' girder

Fastening Strips
to Pierced Gear

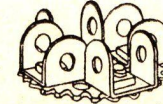
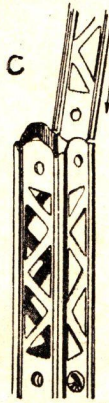
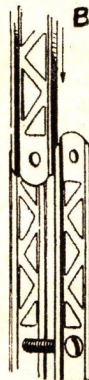
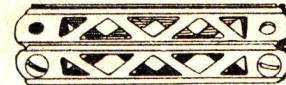
5 in. I-beam

How Channel
Keeps Angle
in Position5 in.
Square Girder

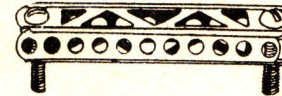
10 in. Square Girder



For Those Who
Have A No. 3
Erector Set, Use
FP Disc Wheel in C
Place of P17
Spoke Wheel

Method of fastening Double
Angles to PiercedShowing method of making bearings
for axle

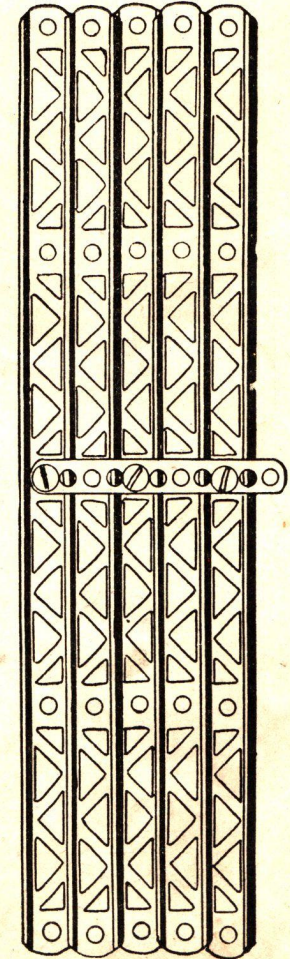
2 1/2 in. Square Girder



2 1/2 in. I-beam

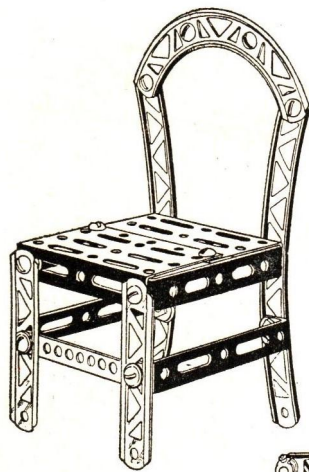


Angle Iron

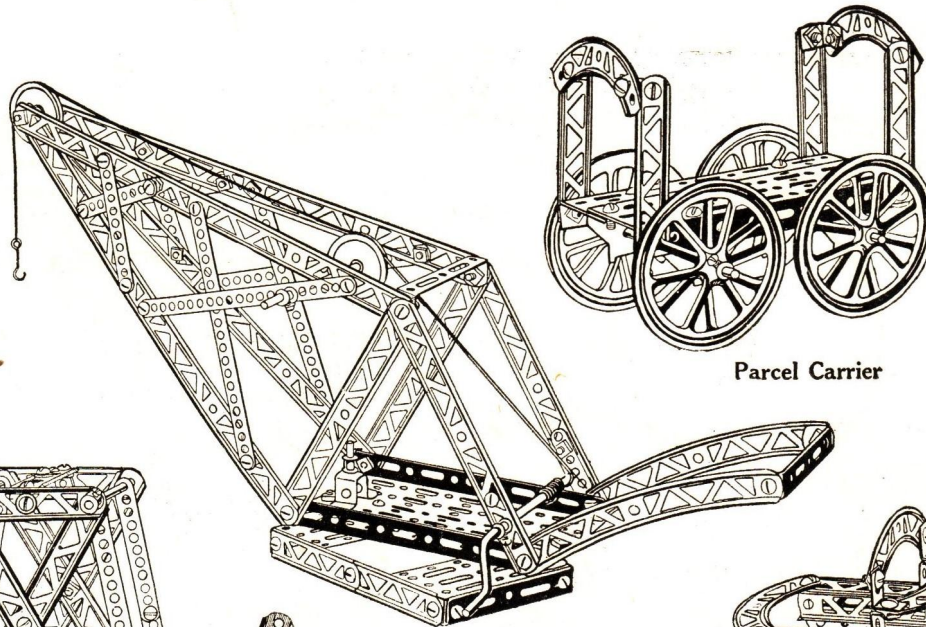


Flooring Construction

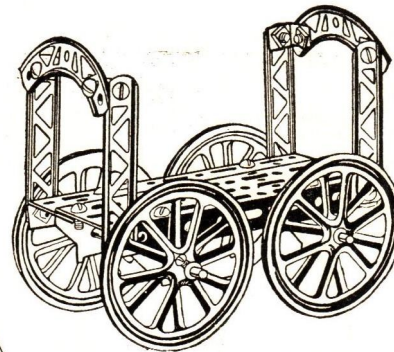
Models built with No. 3 Erector



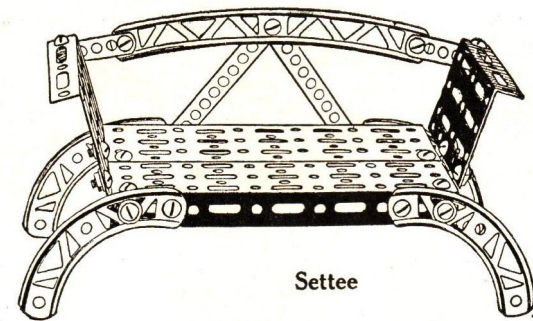
Chair



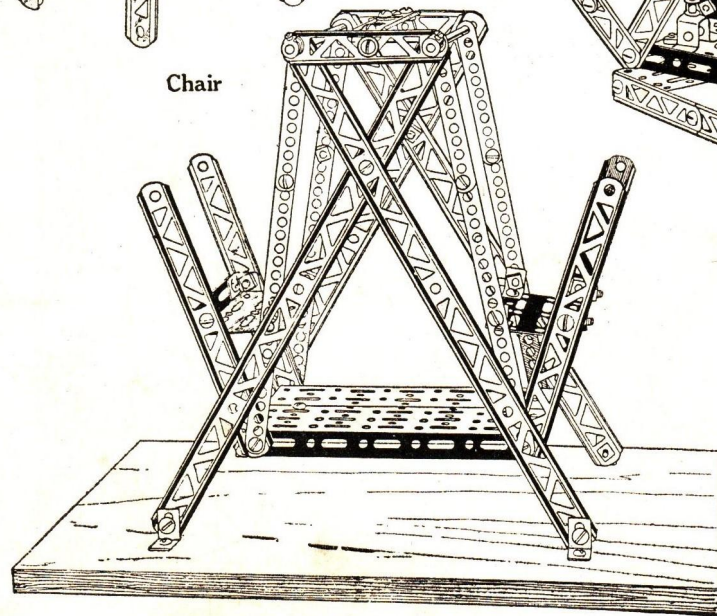
Swivel Crane



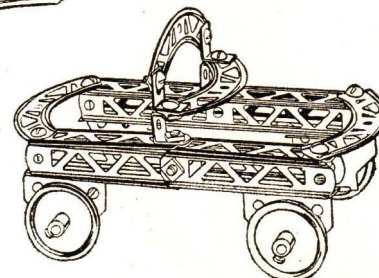
Parcel Carrier



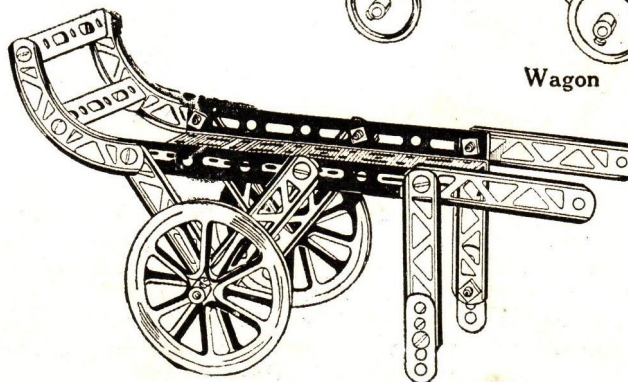
Settee



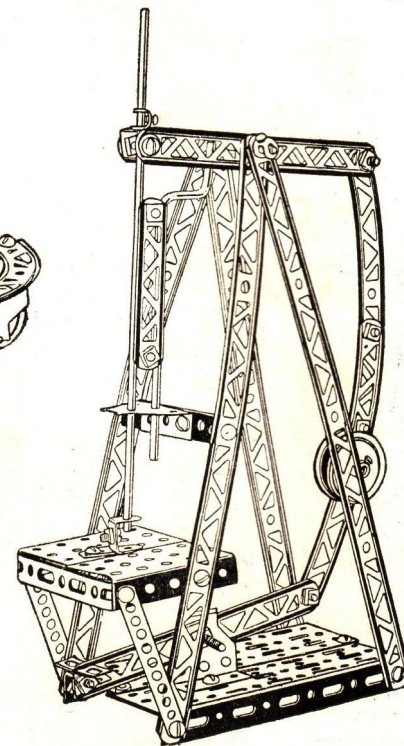
Lawn Swing



Wagon



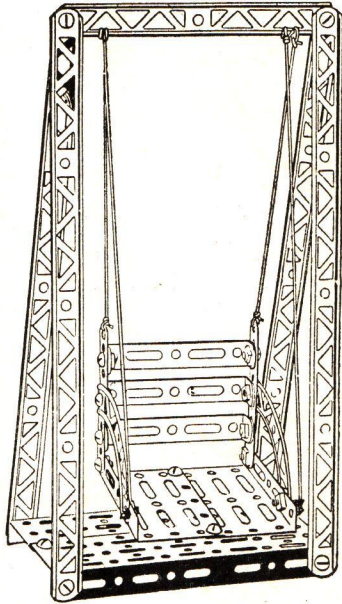
Hand Baggage Truck



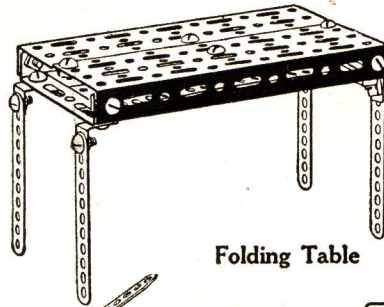
Foot Punch Press

Models built with No. 3 Erector

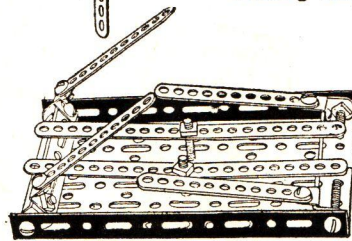
The number of models that can be built with Erector is unlimited. While we show a great many in this book they are only indications of the large number of different varieties and the adaptability of Erector, The World's Greatest Toy.



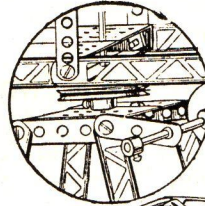
Swing



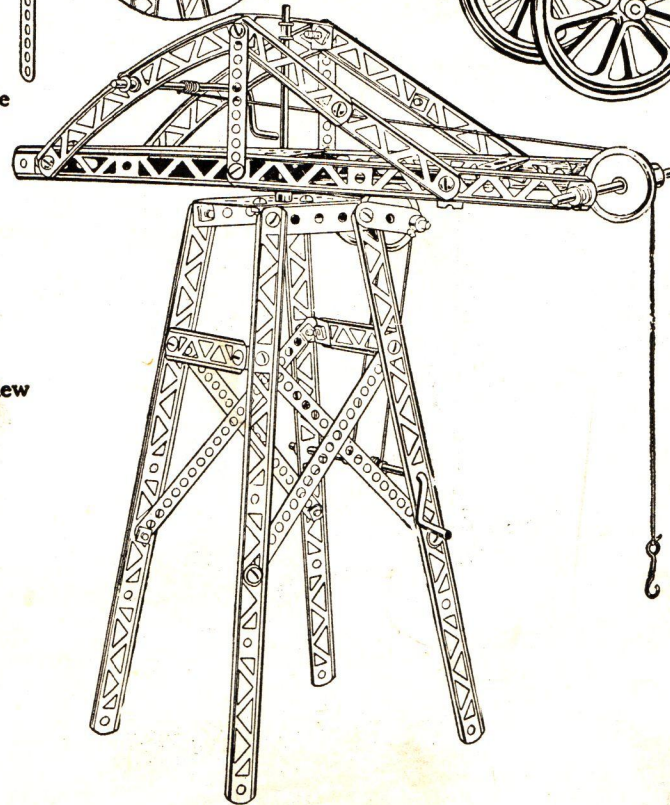
Folding Table



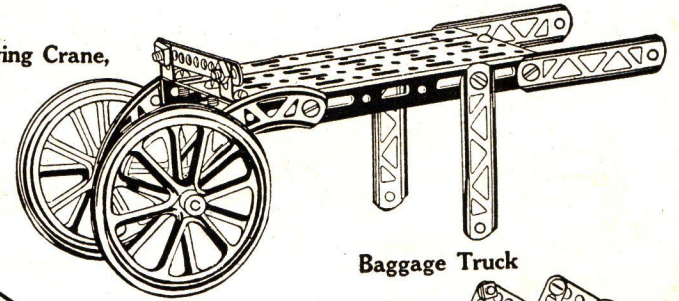
Folding Table, Bottom View



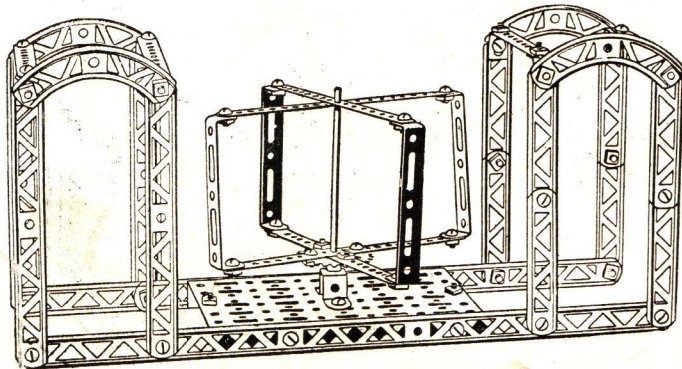
Revolving Crane,
Detail View



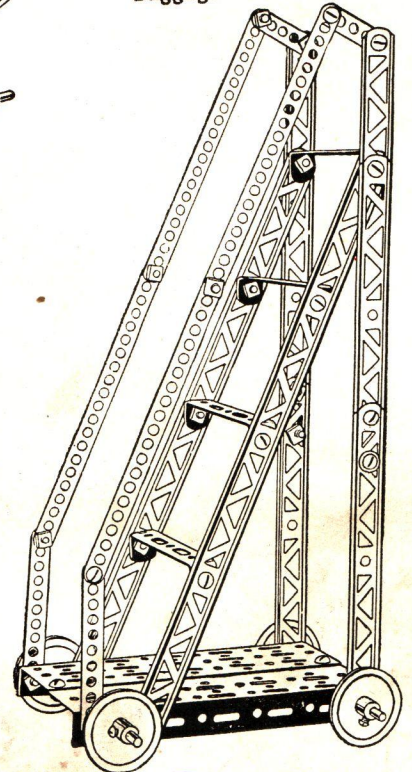
Revolving Crane



Baggage Truck

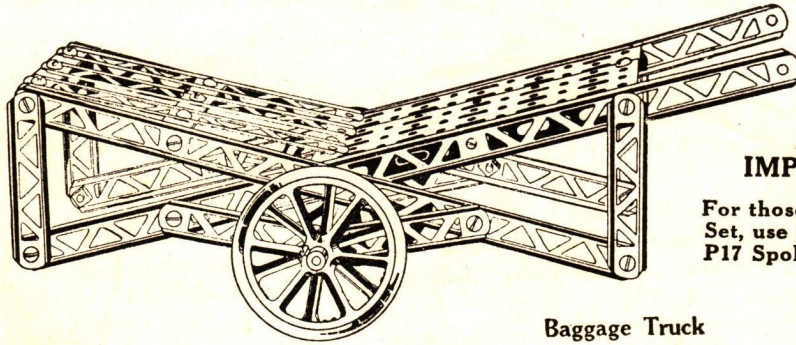


Turn Stile



Portable Ladder

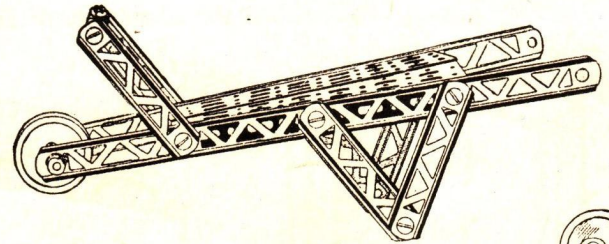
Models built with No. 3 Erector



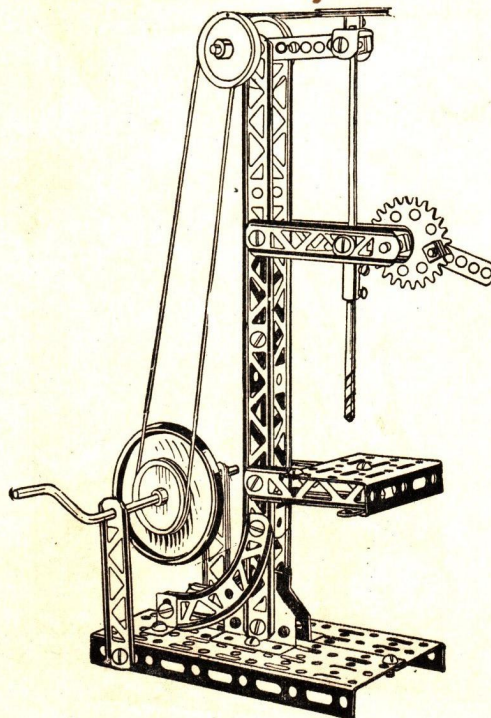
Baggage Truck

IMPORTANT NOTICE

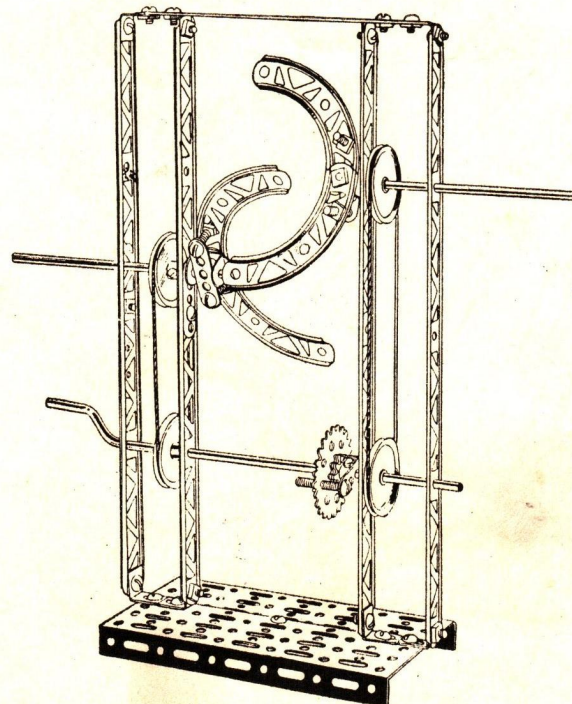
For those who have a No. 3 Erector Set, use FP Disc Wheel in place of P17 Spoke Wheel.



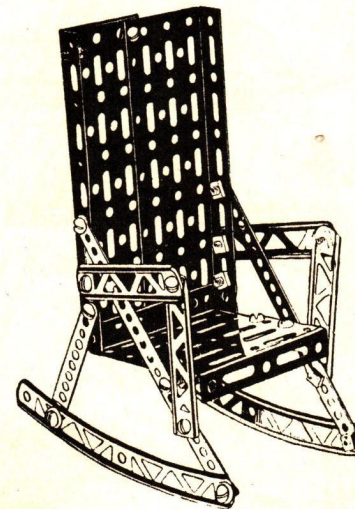
Stone Mason's Wheelbarrow



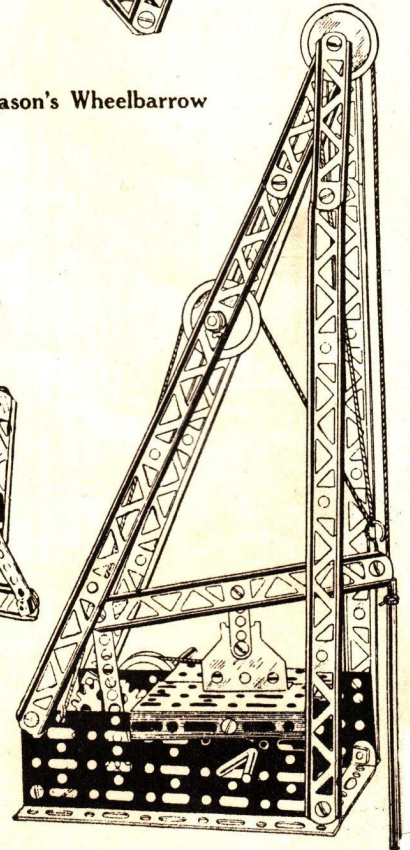
Drill Press



Candy Puller

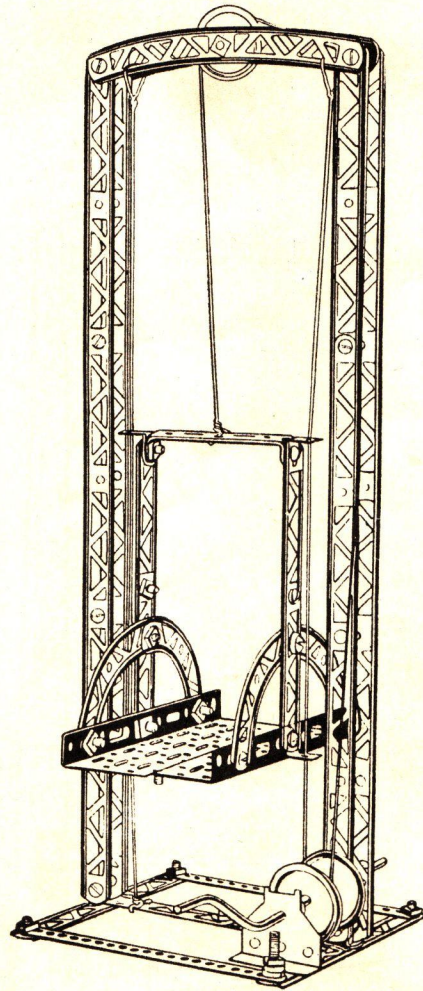


Rocking Chair

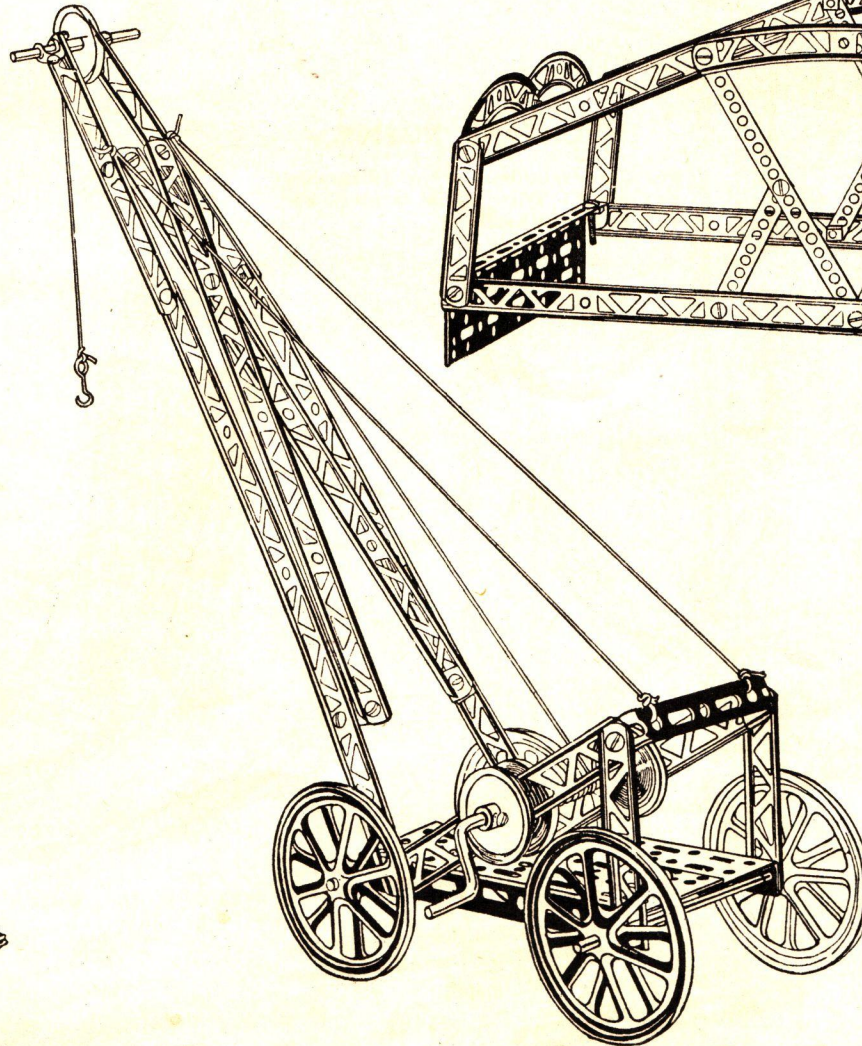


Well Driller

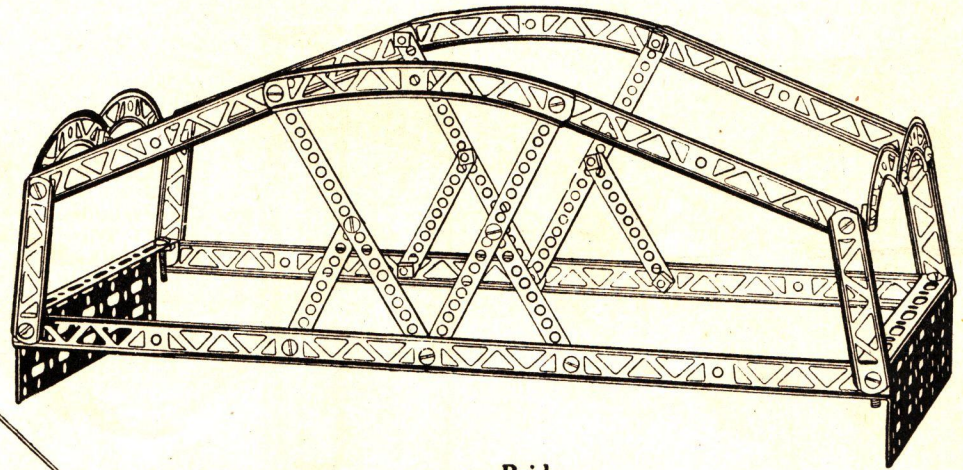
Models built with No. 3 Erector



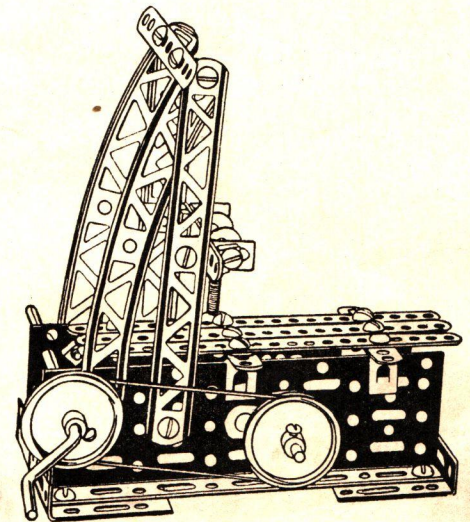
Builder's Hoist



Portable Derrick

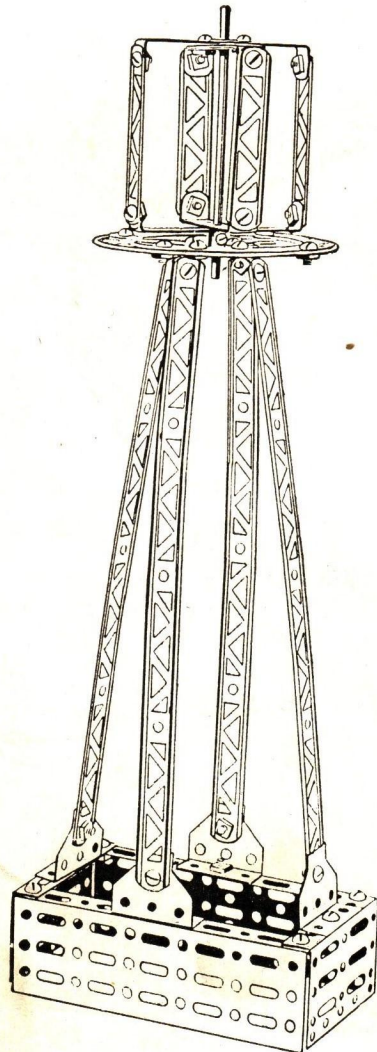


Bridge

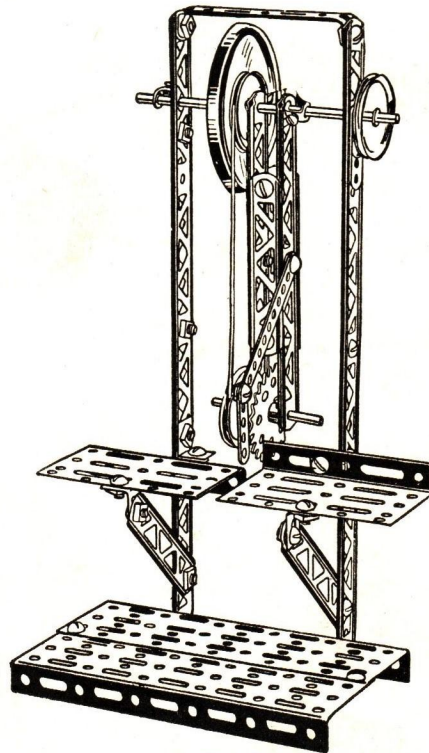


Planer

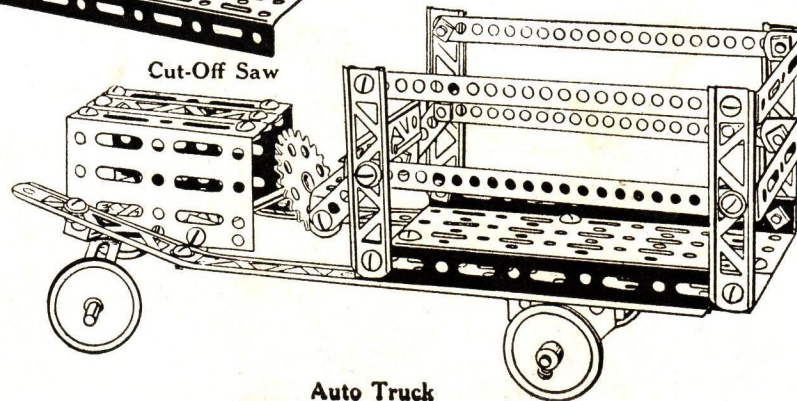
Models built with No. 3 Erector



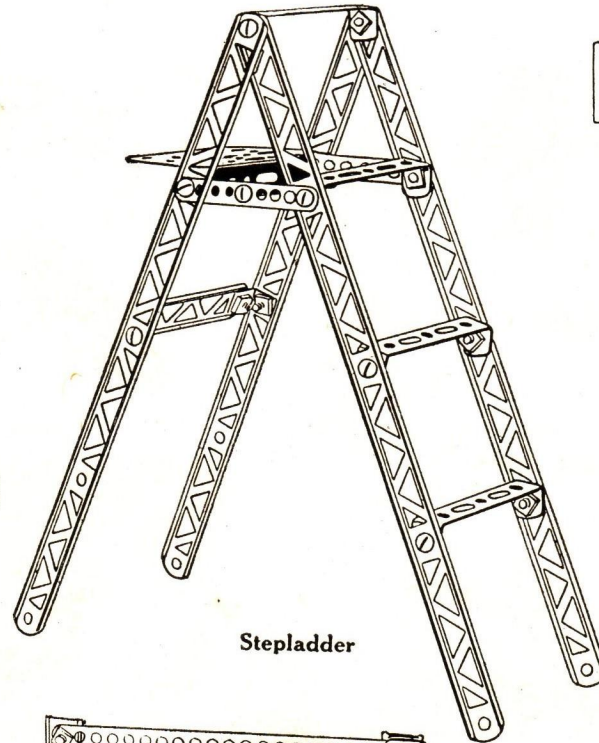
Lighthouse



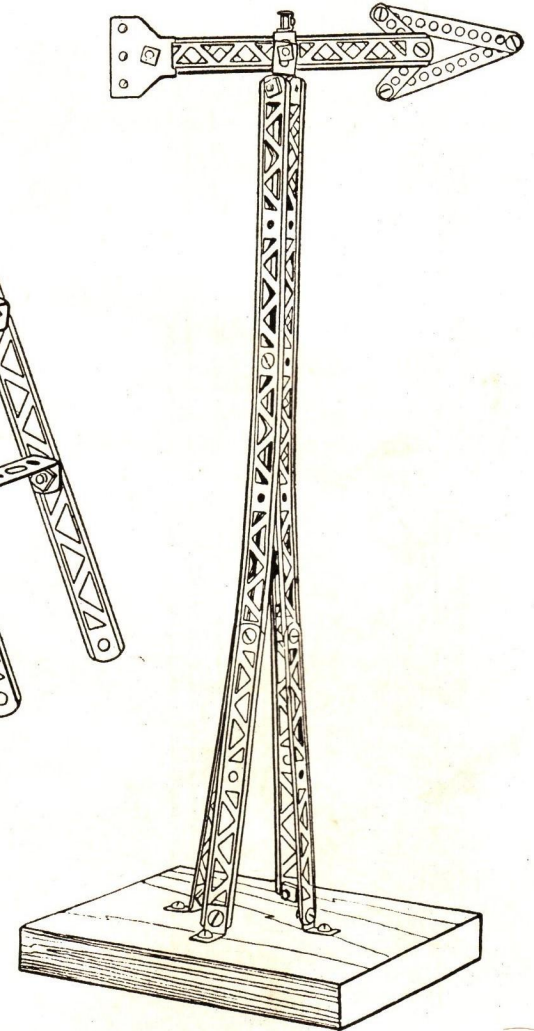
Cut-Off Saw



Auto Truck

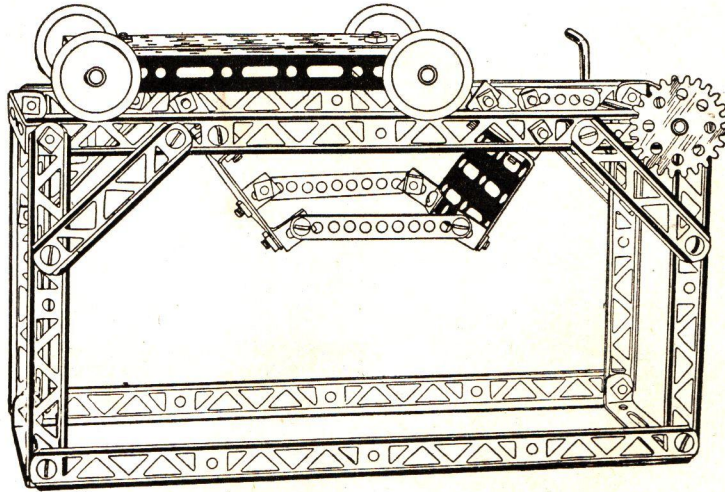


Stepladder

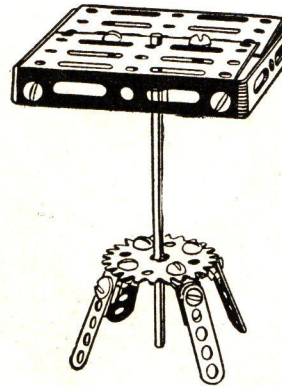


Weather Vane

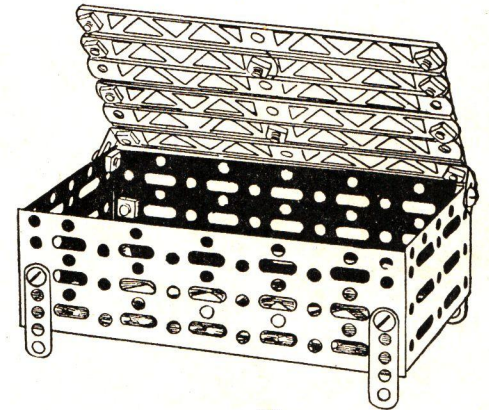
Models built with No. 3 Erector



Sifter



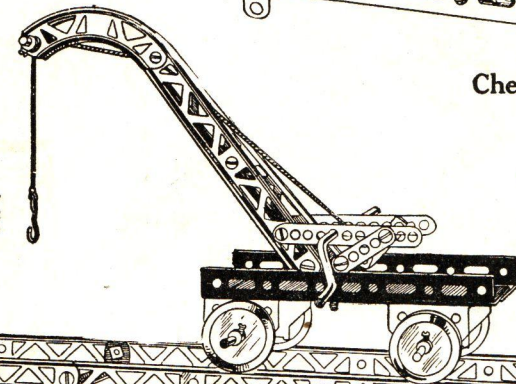
Stand



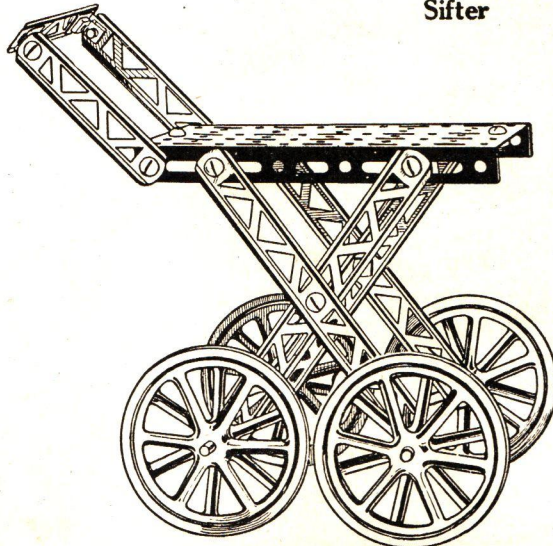
Chest

IMPORTANT NOTICE

For those who have a No. 3 Erector Set, use FP Disc Wheel in place of P17 Spoke Wheel.

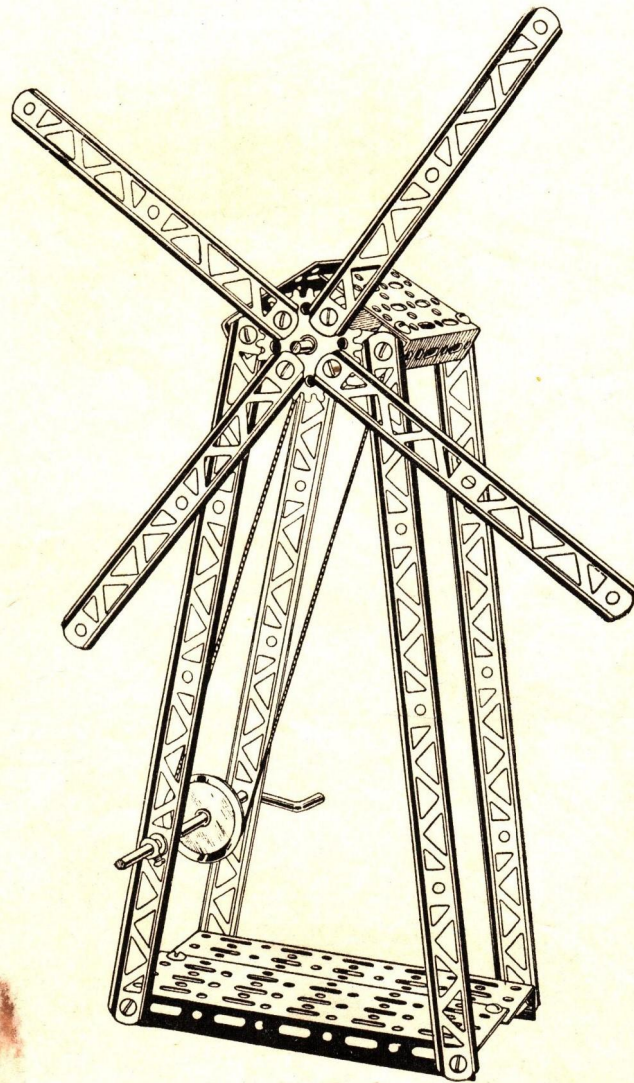


Travelling Crane

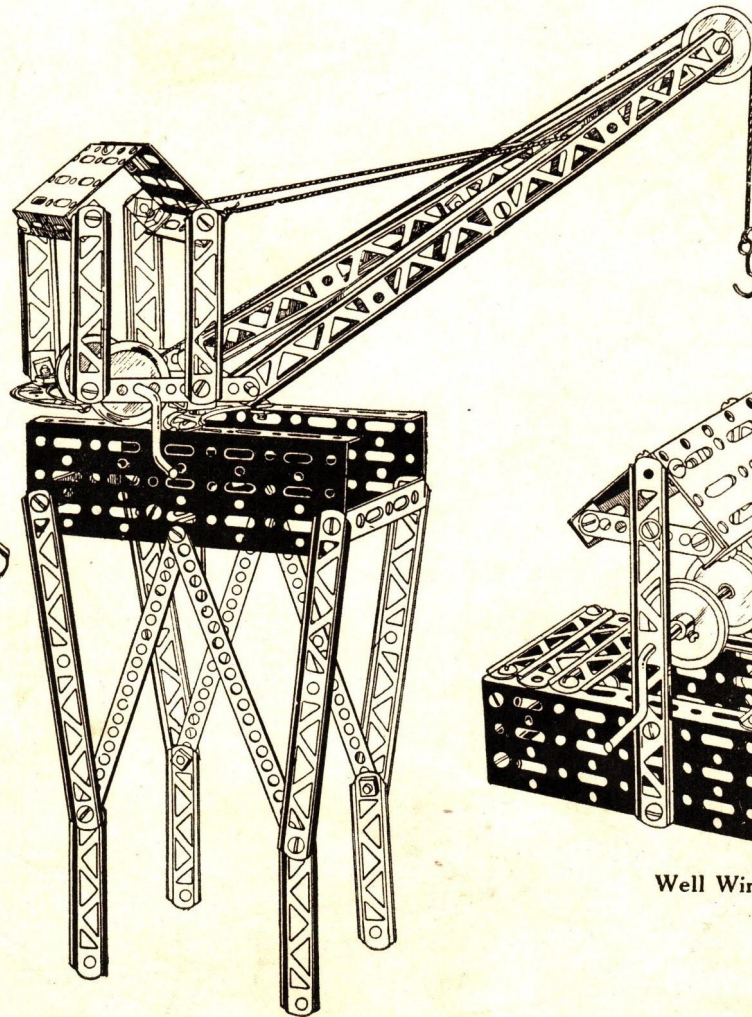


Tea Wagon

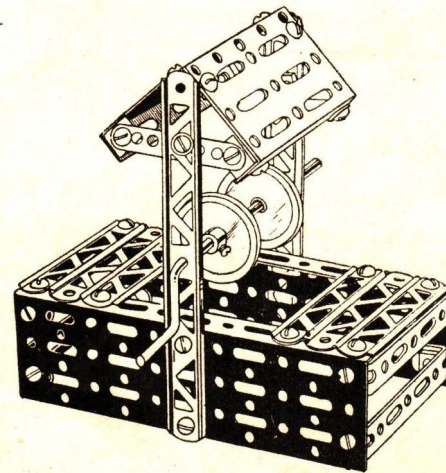
Models built with No. 3 Erector



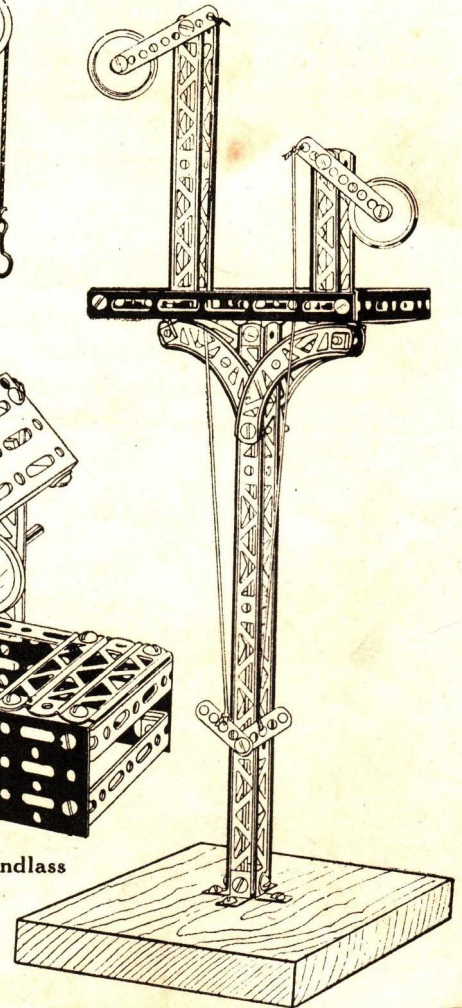
Windmill



-Ship Crane

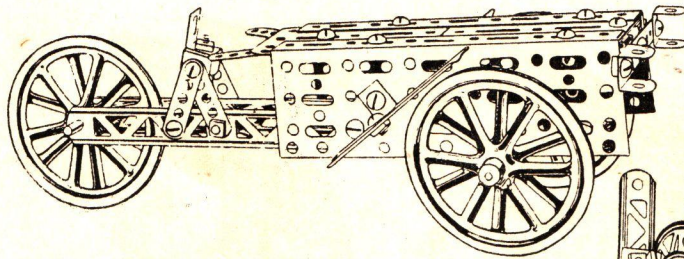


Well Windlass

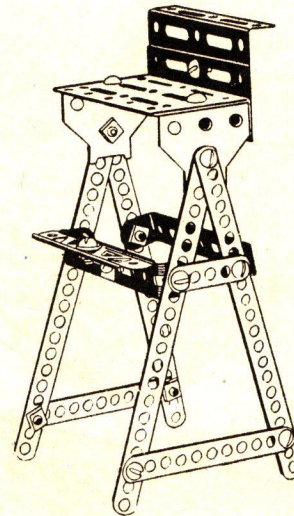


Semaphore

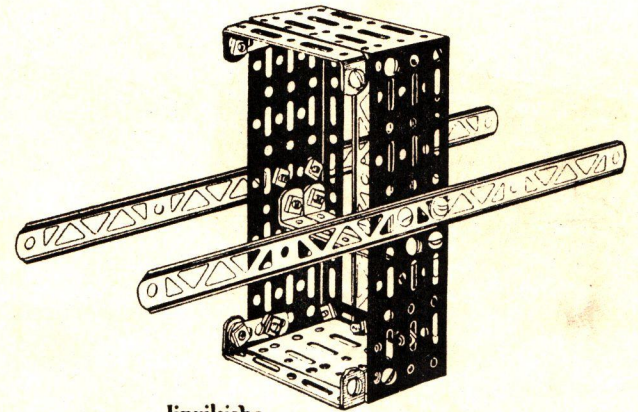
Models built with No. 3 Erector



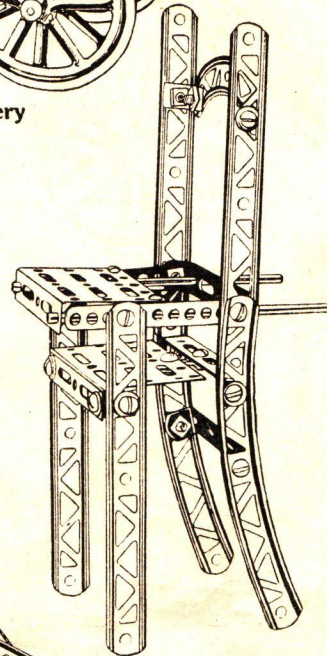
Rural Motor Parcel Post Delivery



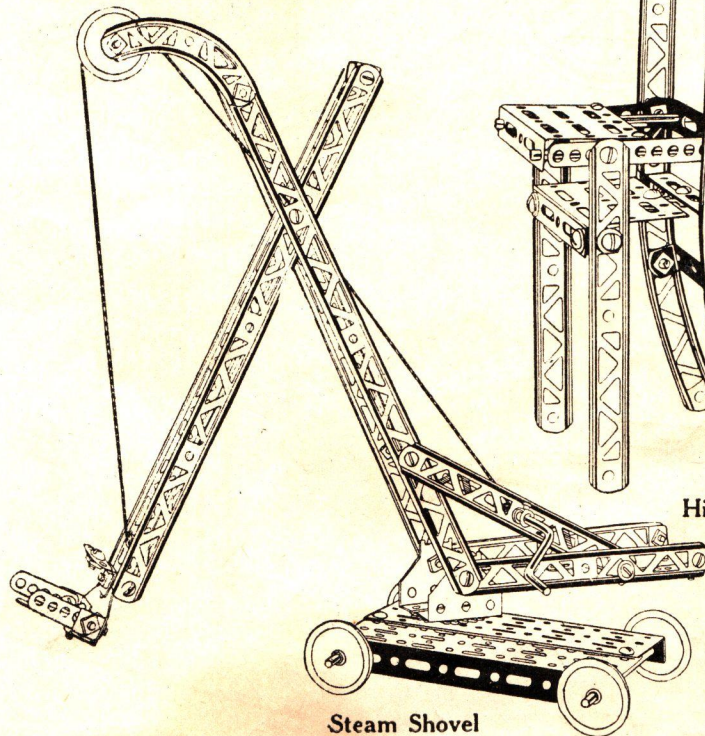
Judge's Chair



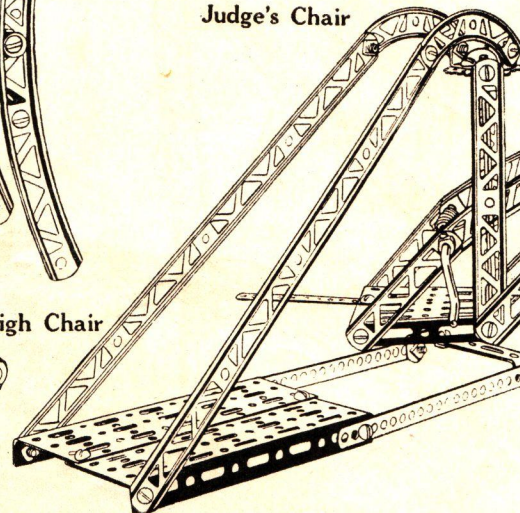
Jinrikisha



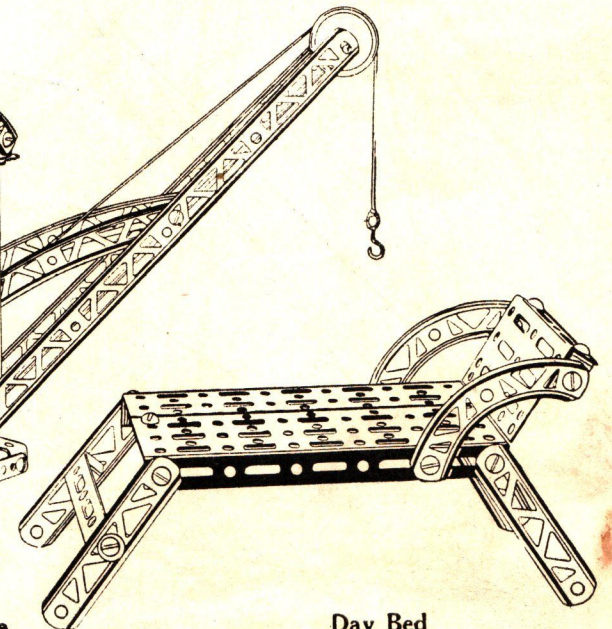
High Chair



Steam Shovel

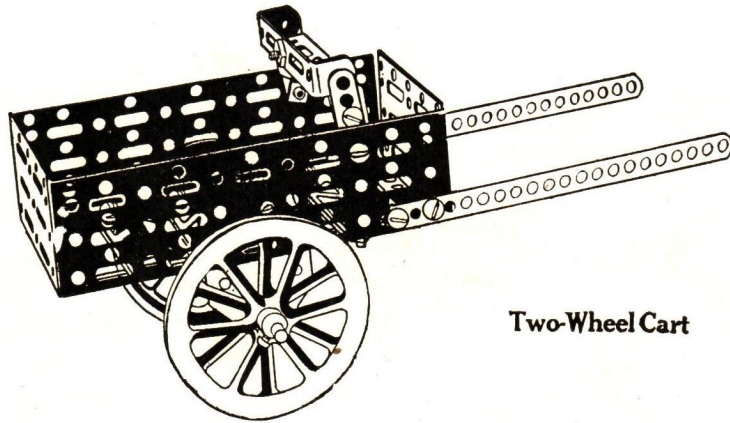


Swinging Stationary Jib Crane



Day Bed

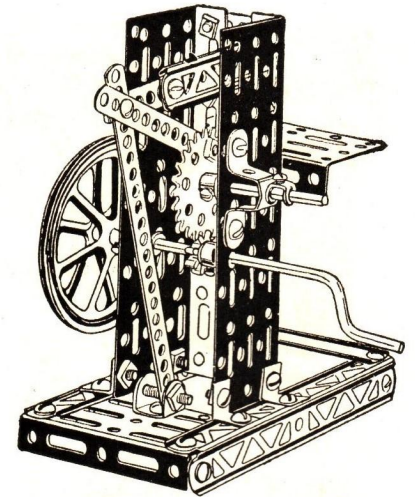
Models built with No. 3 Erector



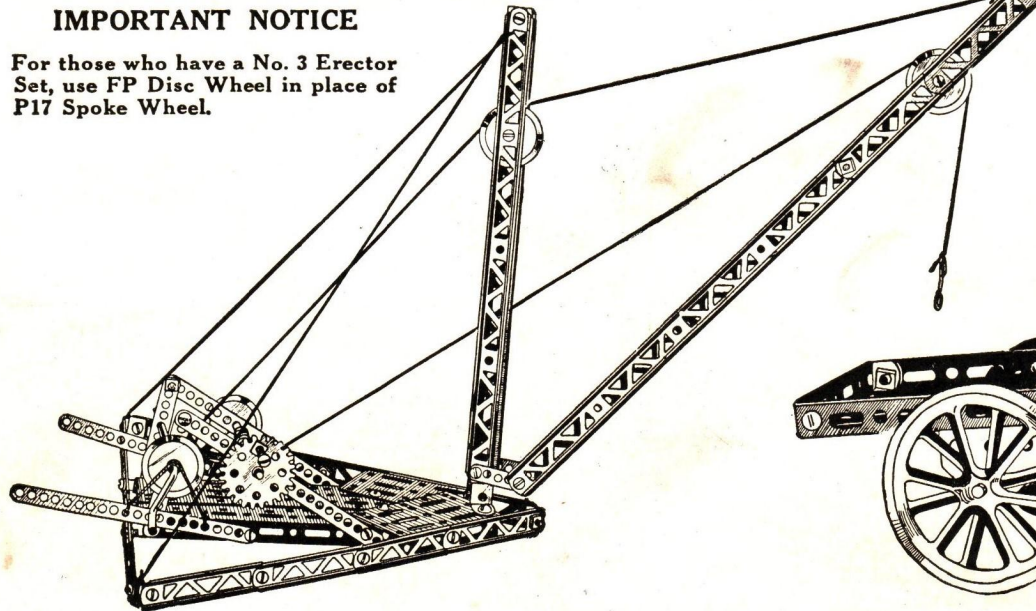
Two-Wheel Cart



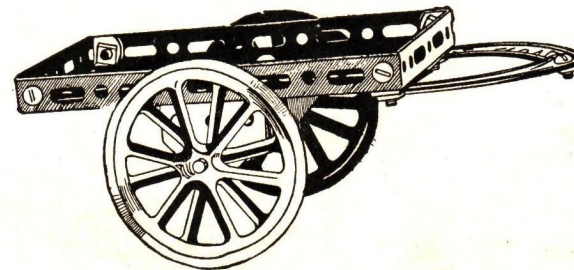
Velocipede



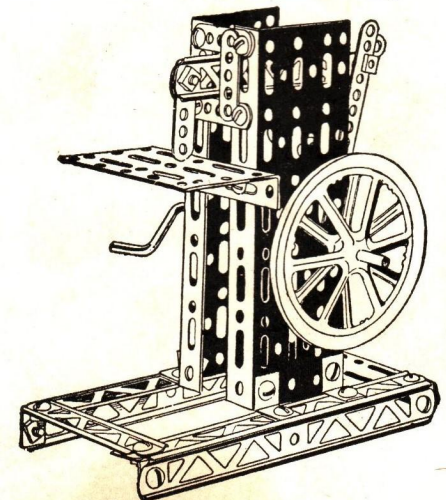
Shaper, Back View



Boom Derrick



Street Vender's Wagon

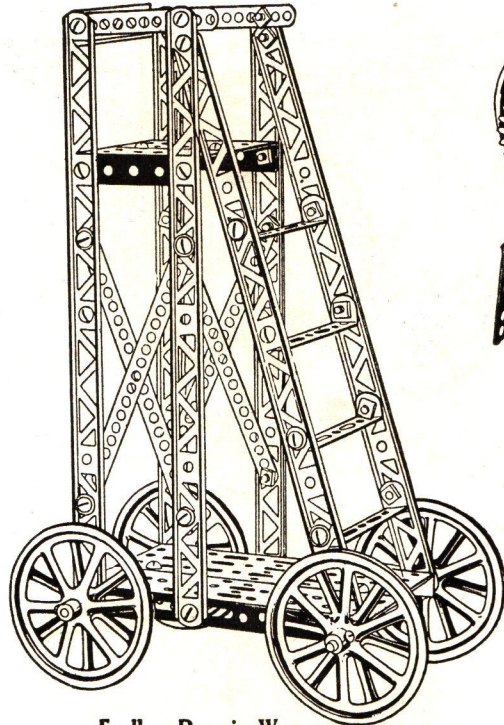


Shaper

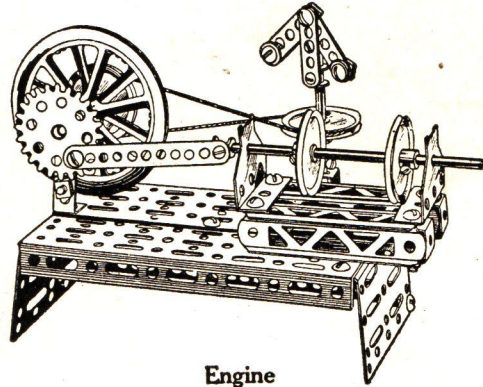
IMPORTANT NOTICE

For those who have a No. 3 Erector Set, use FP Disc Wheel in place of P17 Spoke Wheel.

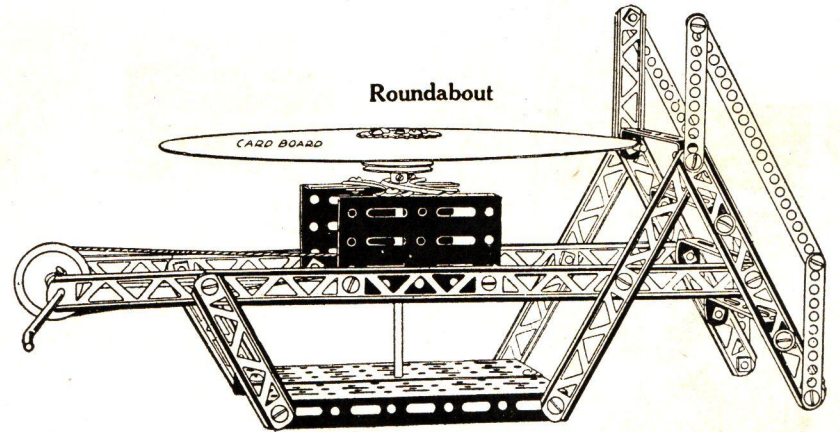
Models built with No. 3 Erector



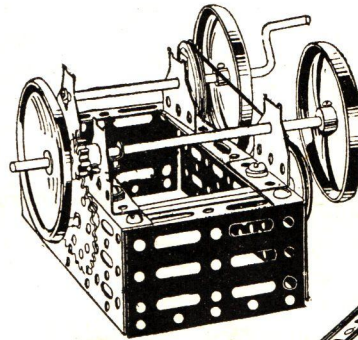
Trolley Repair Wagon



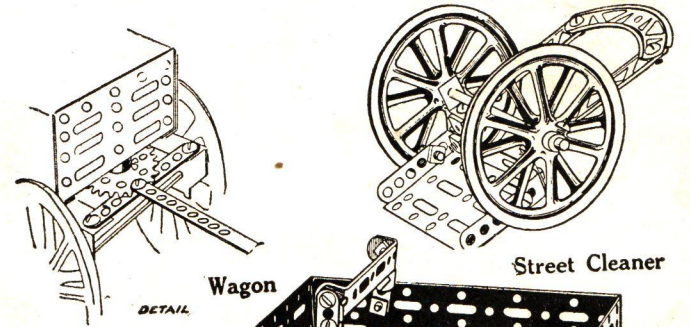
Engine



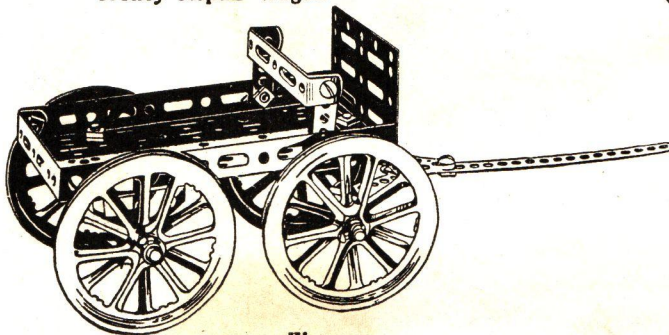
Roundabout



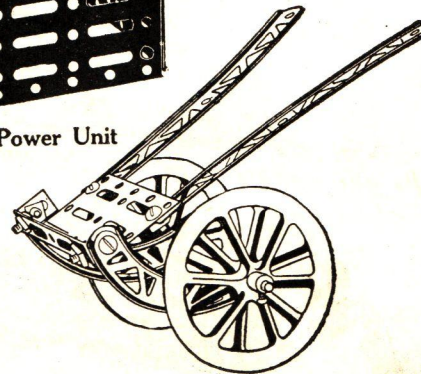
Power Unit



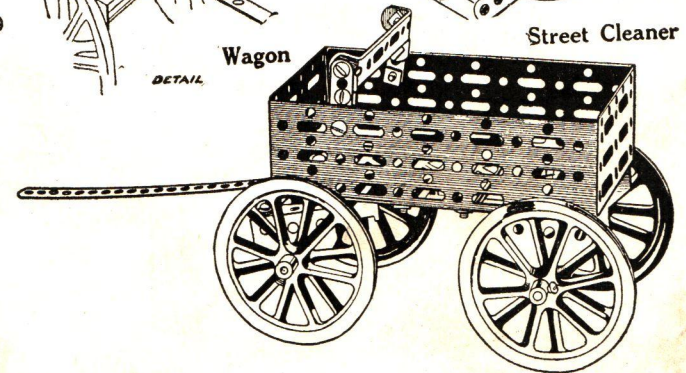
Street Cleaner



Wagon

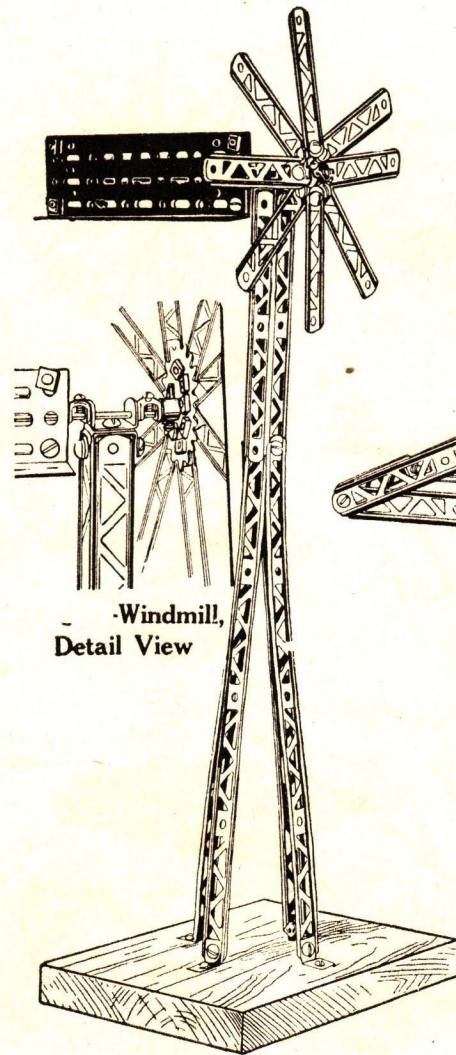


Sulky



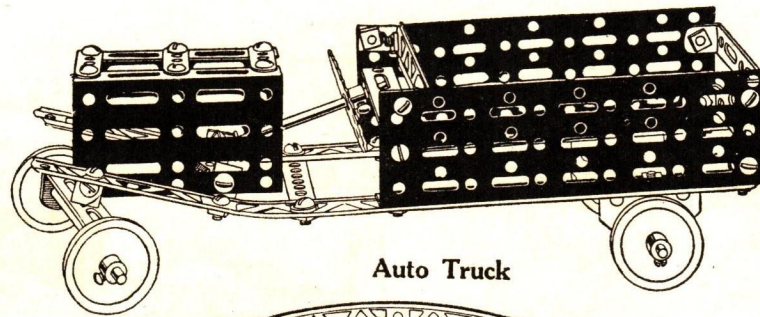
Wagon

Models built with No. 3 Erector

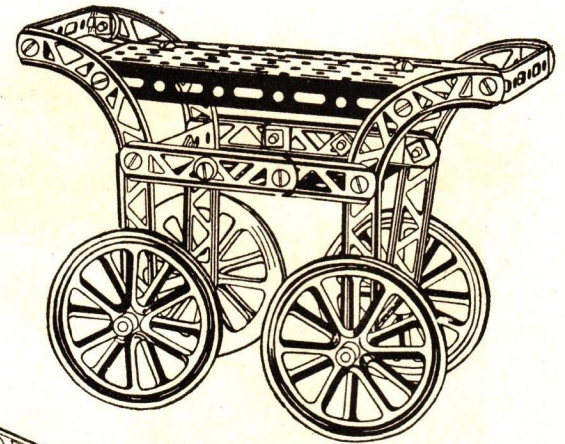


Windmill,
Detail View

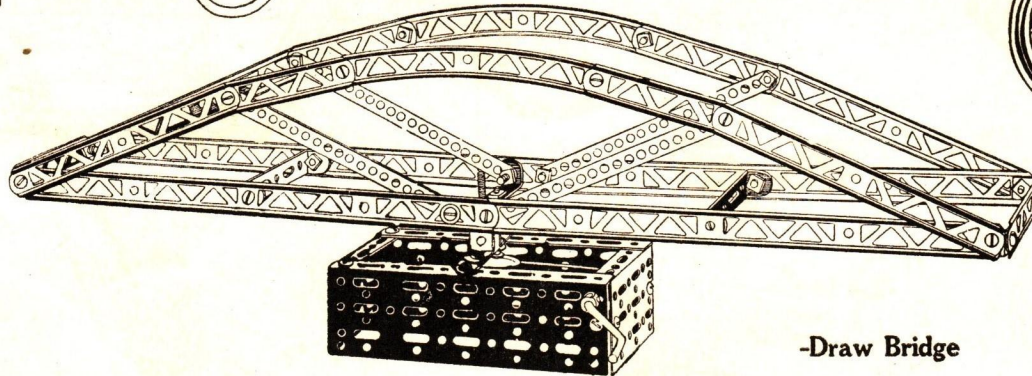
Windmill



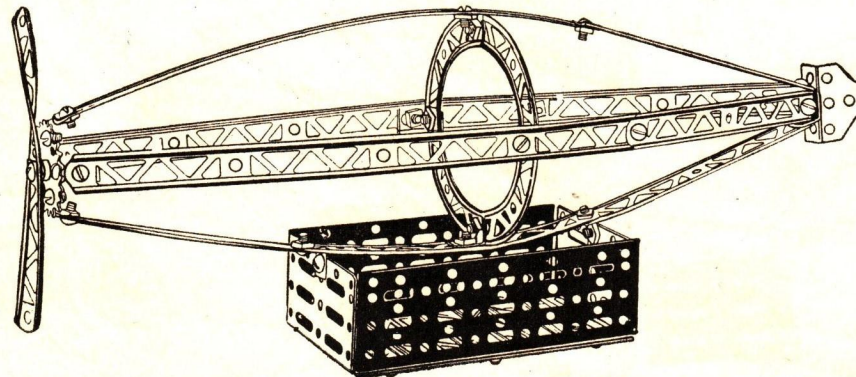
Auto Truck



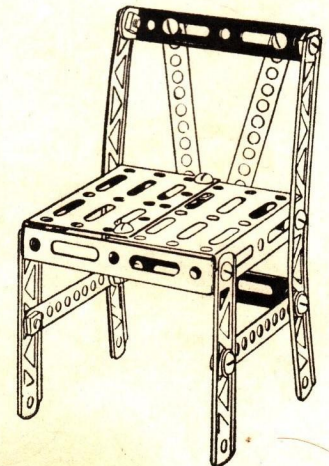
Tea Wagon



Draw Bridge

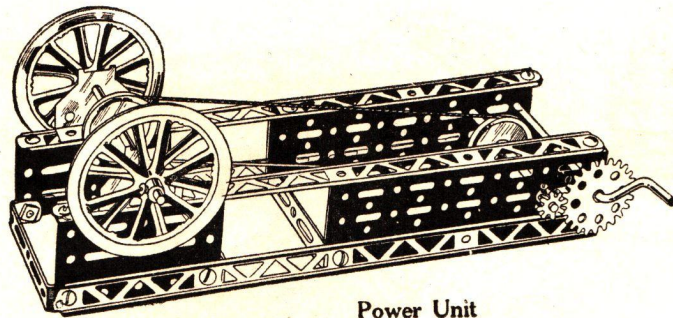


Dirigible

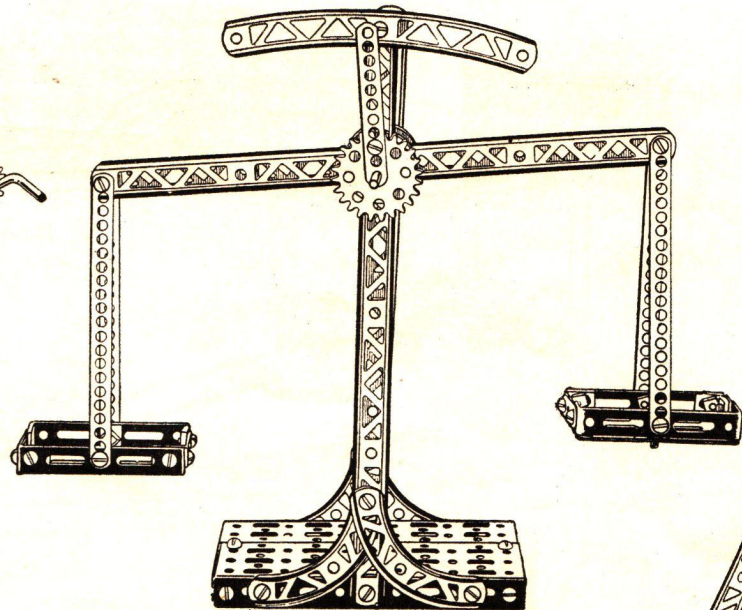


Chair

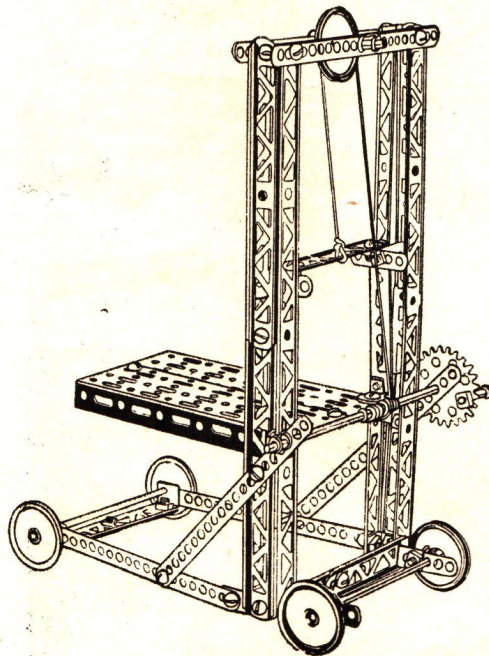
Models built with No. 3 Erector



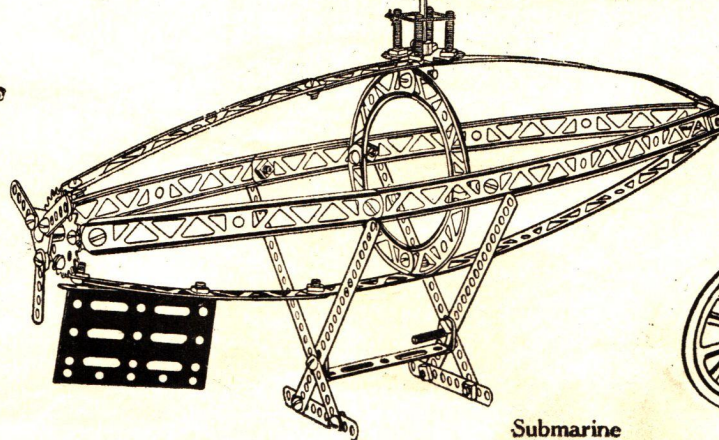
Power Unit



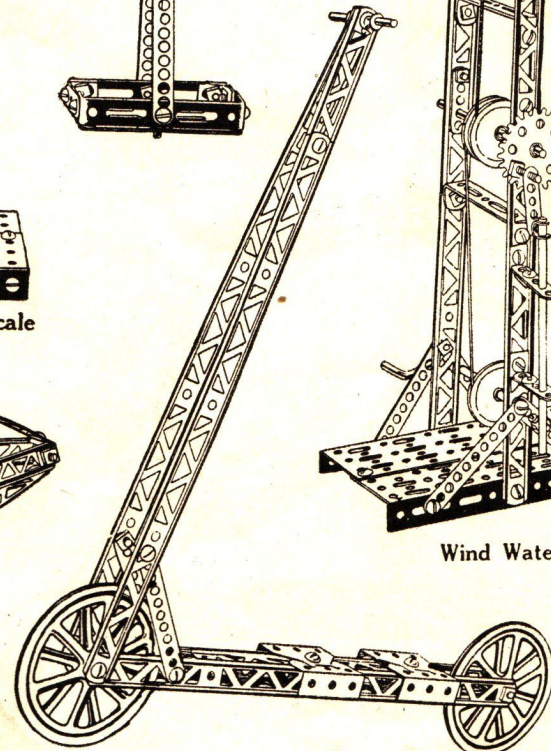
Beam Scale



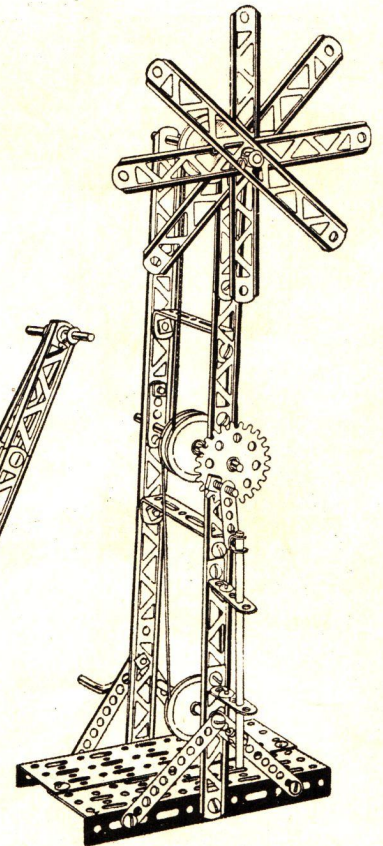
Tearing Machir



Submarine



Scooter

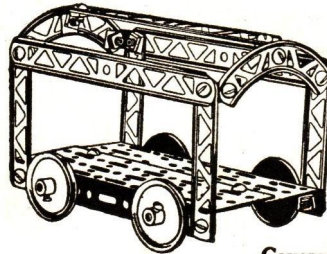


Wind Water Pump

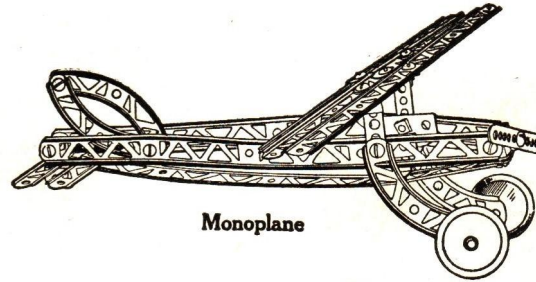
MODELS BUILT WITH NO. 3 ERECTOR



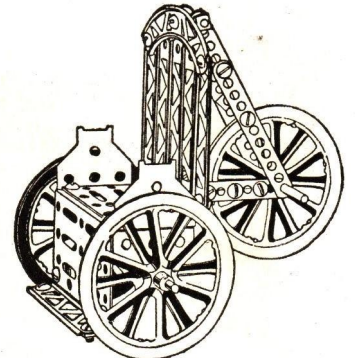
Farm Wagon



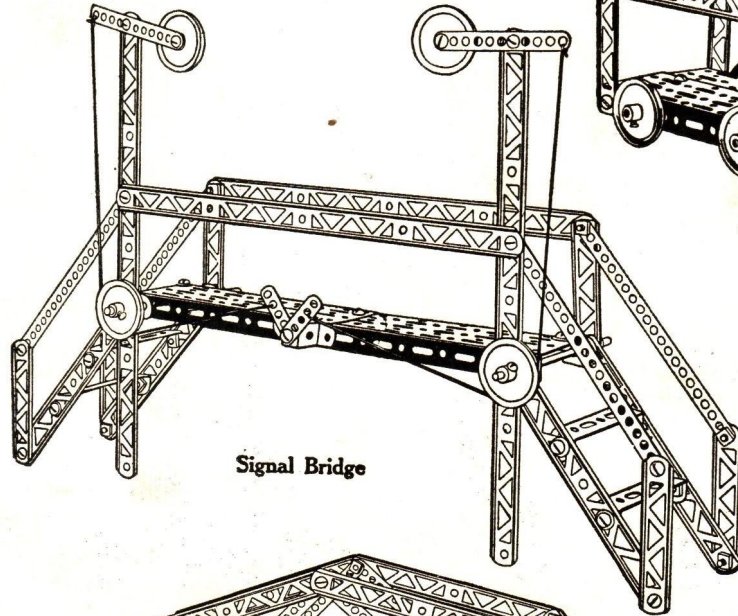
Covered Truck



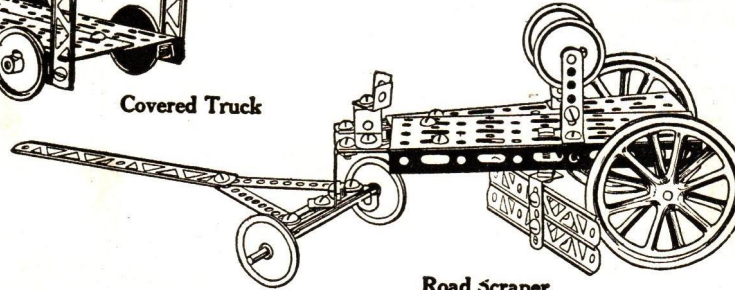
Monoplane



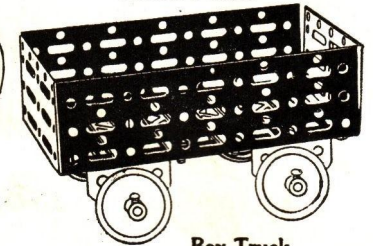
Invalid's Chair



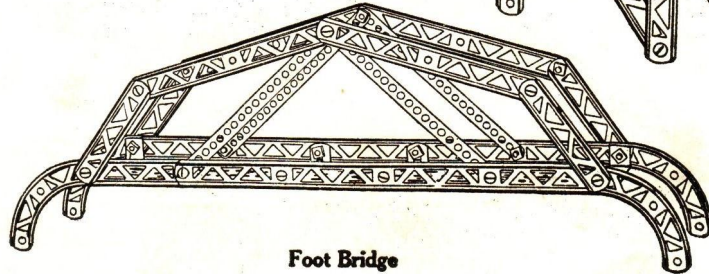
Signal Bridge



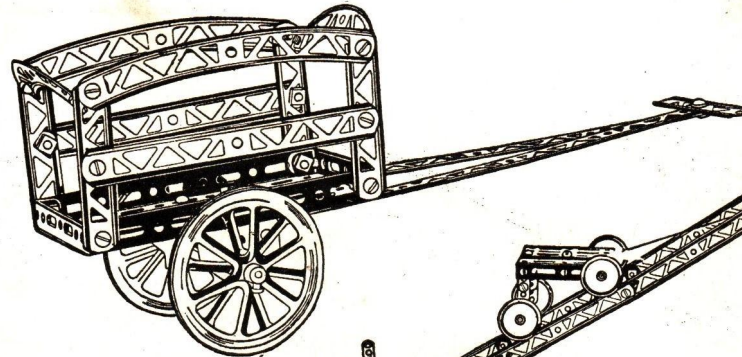
Road Scraper



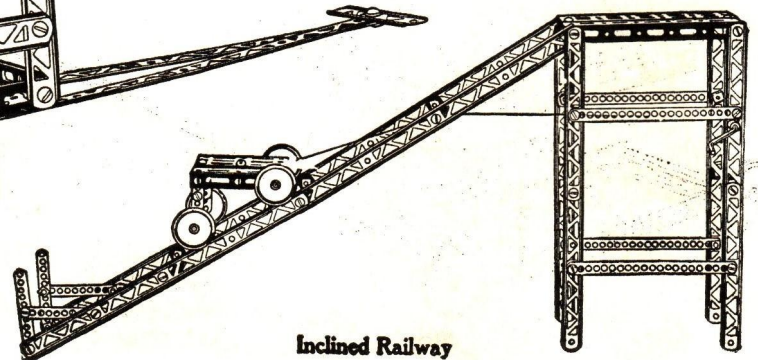
Box Truck



Foot Bridge

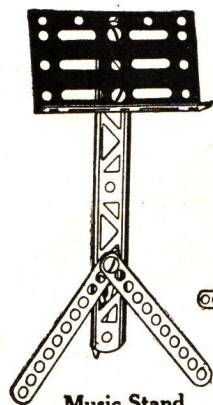


Auto Trailer

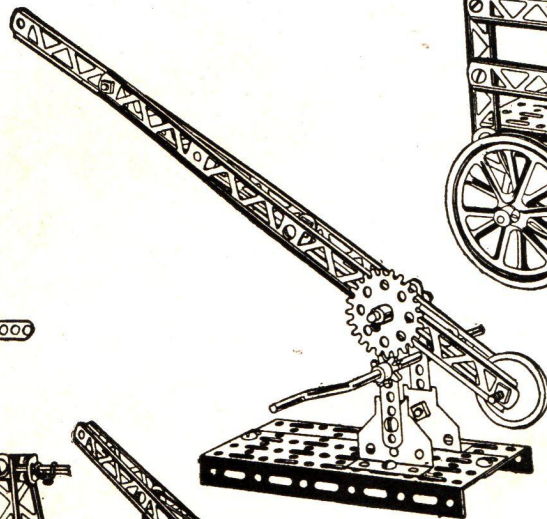


Inclined Railway

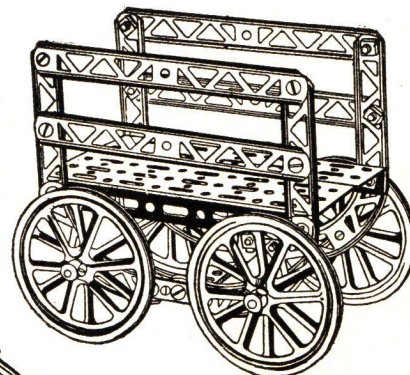
MODELS BUILT WITH NO. 3 ERECTOR



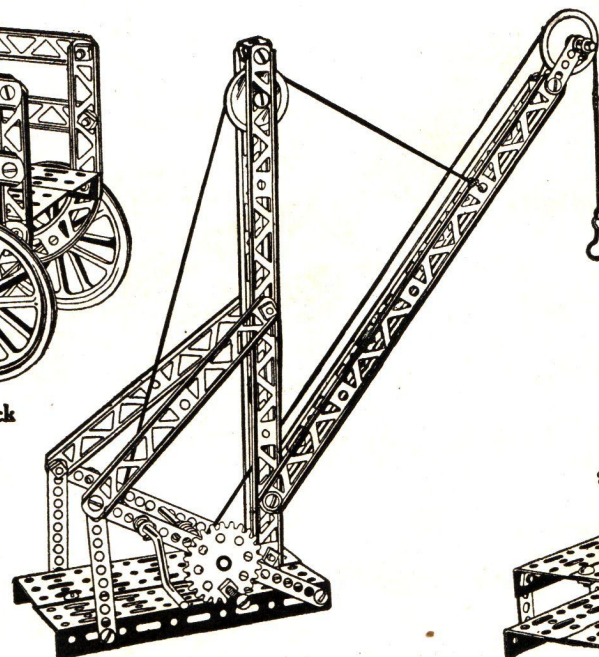
Music Stand



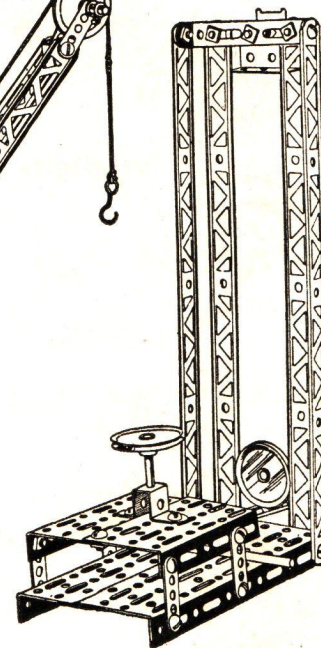
Railroad Lift Gate



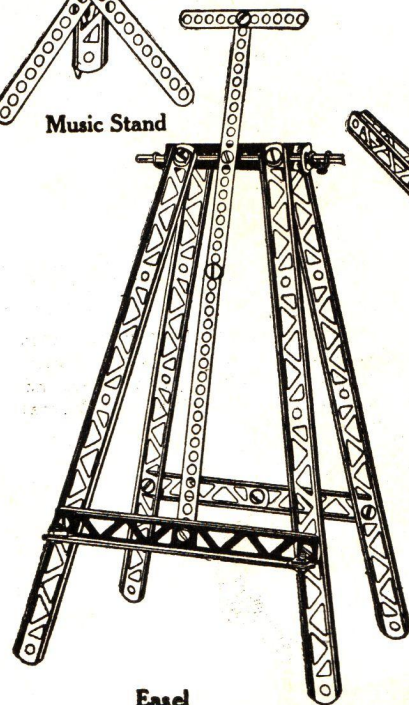
Timber Truck



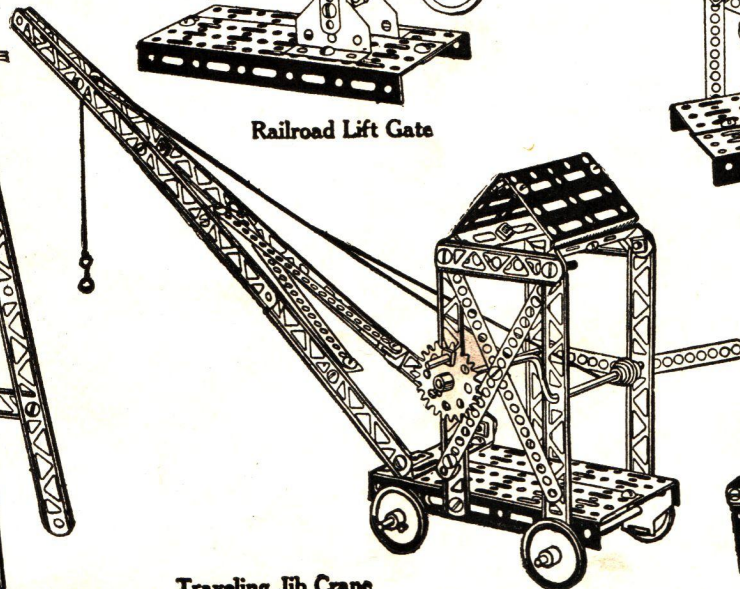
Stationary Jib Crane



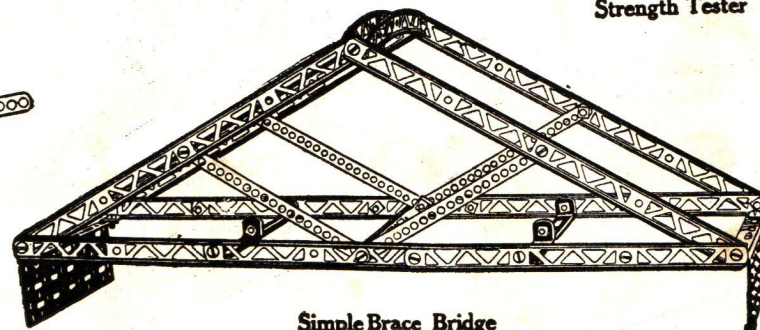
Strength Tester



Easel



Traveling Jib Crane



Simple Brace Bridge

Models Built With No. 4 Erector

Standard Gear Box Section No. 4

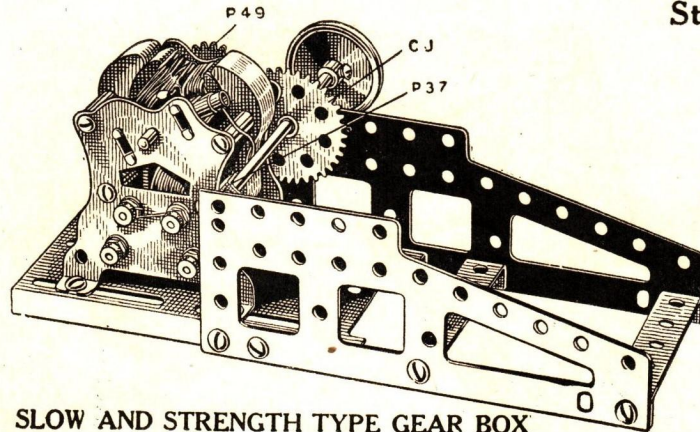
INTRODUCTION

Gears and pulleys provide a means for transmitting power, increasing power, and regulating speed.

If power is desired, speed must be sacrificed

If speed is desired, power must be sacrificed.

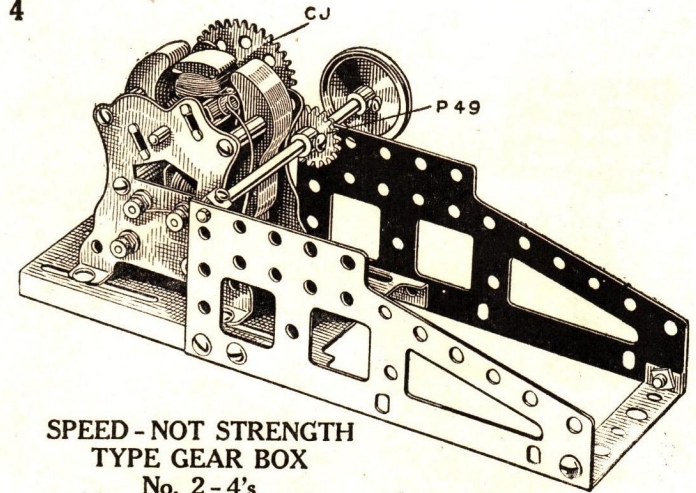
The driving wheel is called the driver, and the driven wheel the driven. These different styles of gear boxes are shown together to illustrate and treat practical mechanics. They also offer the builder a variety of different kinds of power from which he can select the most practical. By leaving end-play enough on one spindle of a train of gears provides a means for either release or reverse shift. With these many features and the ability to use either the P56G-110 volt Motor or P58 6 to 24 volt Motor, you will accommodate the requirements of any particular model.



SLOW AND STRENGTH TYPE GEAR BOX

No. 1 - 4's

The small gear P49 is the driver and the large gear CJ is the driven. In this type the power is increased and the speed decreased. It is designed to lift heavy weights



SPEED - NOT STRENGTH TYPE GEAR BOX

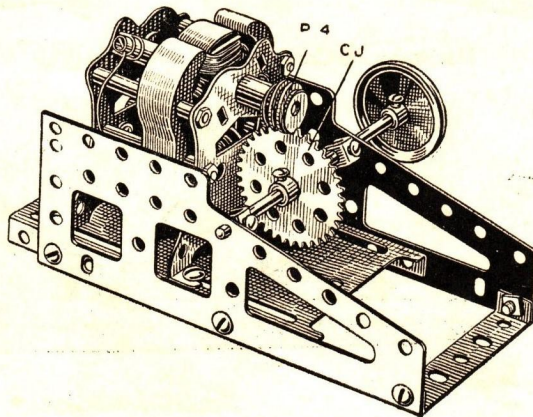
No. 2 - 4's

The largest gear CJ is the driver, and the small gear P49 the driven. In this type the speed is increased and the power diminished. It is designed for a gear box where high speed is wanted, not power.

WORM TYPE GEAR BOX

No. 3 - 4's

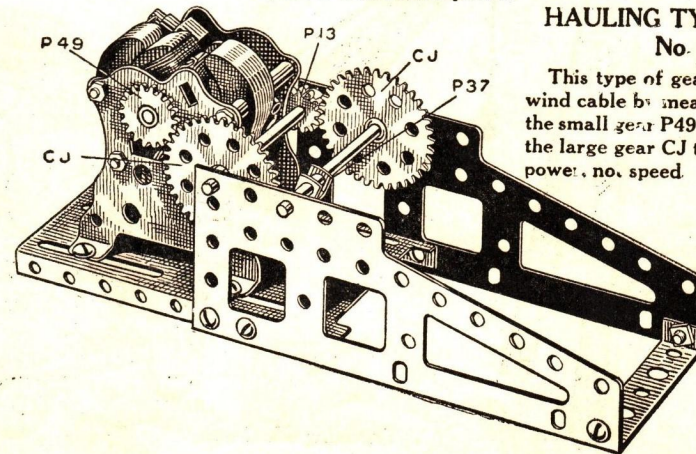
The worm P14 is the driver and the gear CJ is the driven. This type is designed for use where power is wanted, not speed



HAULING TYPE GEAR BOX

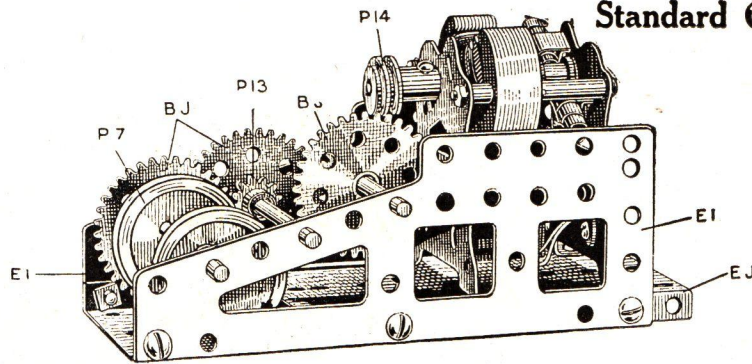
No. 4 - 4's

This type of gear box is designed to wind cable by means of the last shaft, the small gear P49 being the driver, and the large gear CJ the driven. You get power, not speed



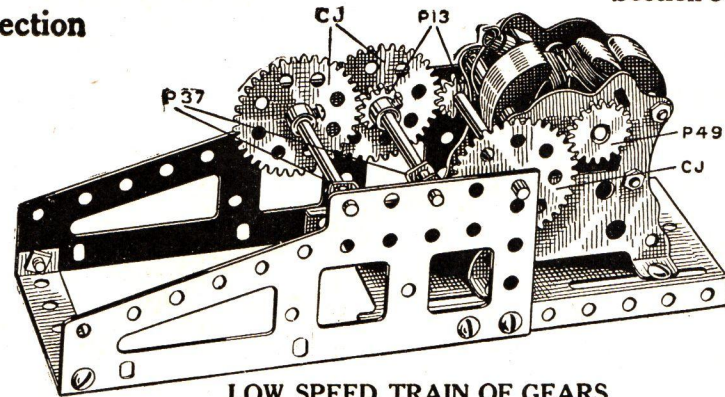
Models Built With No. 4 Erector

Standard Gear Box Section No. 4



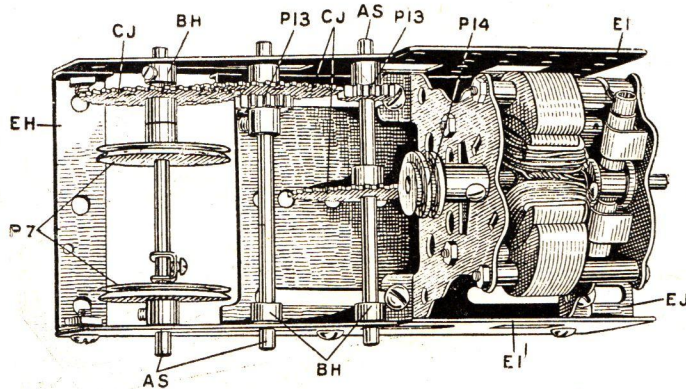
SINGLE DRUM HOIST - STANDARD GEAR BOX
SIDE VIEW - No. 6-4's

Section 3

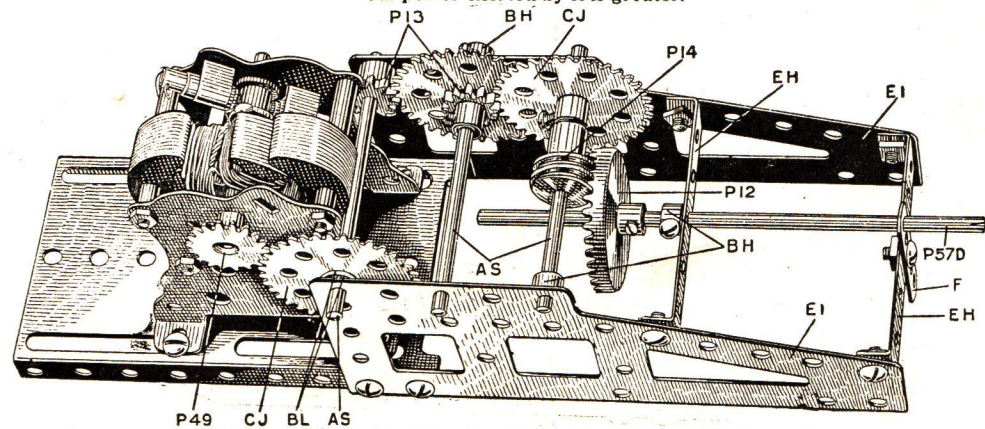


LOW SPEED TRAIN OF GEARS
No. 5-4's

This type of gear box shows how the number of revolutions of a shaft may be decreased by a series of gears, and the power increased in proportion. When the power is applied, the speed of the drum shaft is greatly reduced but the power exerted by it is greater.



SINGLE DRUM HOIST - STANDARD GEAR BOX
TOP VIEW DETAIL
No. 6-4's

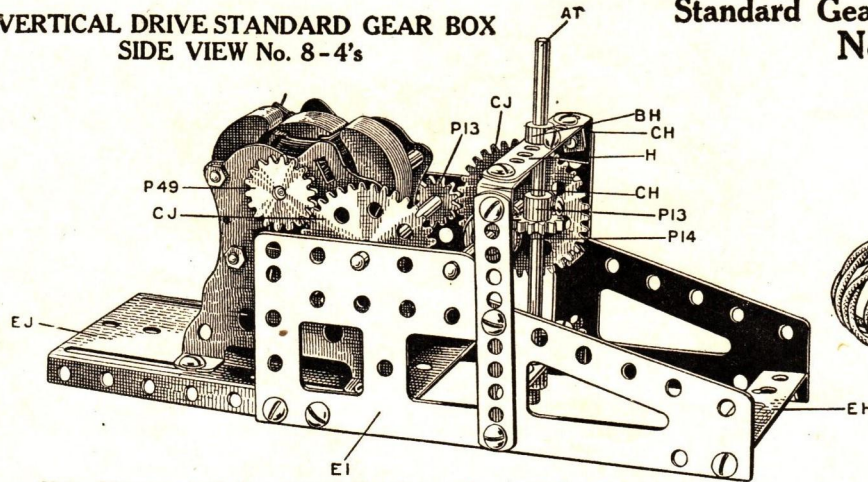


RIGHT ANGLE DRIVE - STANDARD GEAR BOX
TOP VIEW DETAIL
No. 7-4's

Models Built With No. 4 Erector

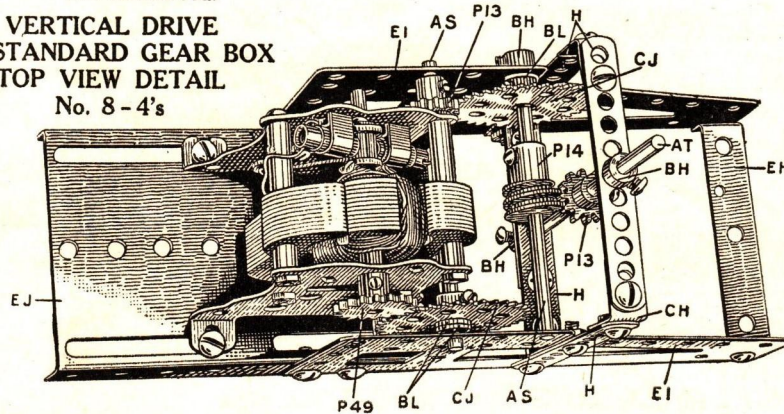
Standard Gear Box Section No. 4

VERTICAL DRIVE STANDARD GEAR BOX
SIDE VIEW No. 8-4's

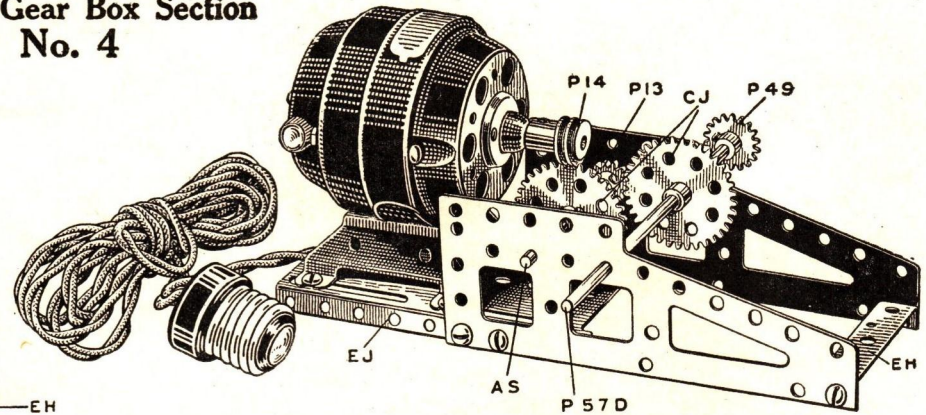


Note. This type is designed specially where a change of direction is desired and a slow motion as in turning a bridge by means of a vertical rod.

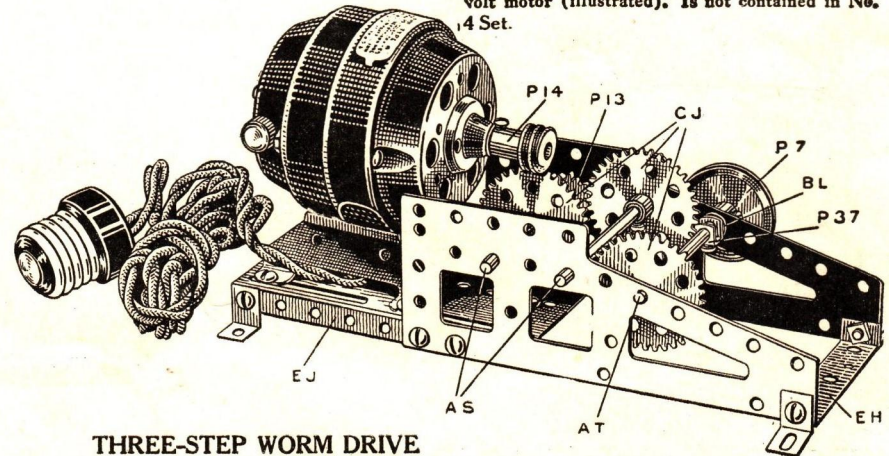
**VERTICAL DRIVE
STANDARD GEAR BOX
TOP VIEW DETAIL**
No. 8-4's



Note: This type is designed specially where a change of direction is desired and a slow motion as in turning a bridge by means of a vertical rod.



TWO-STEP WORM DRIVE WITH 110 VOLT MOTOR No. 9-4's
Mount P58 Motor in same manner as 110 volt motor (illustrated). Is not contained in No. 14 Set.

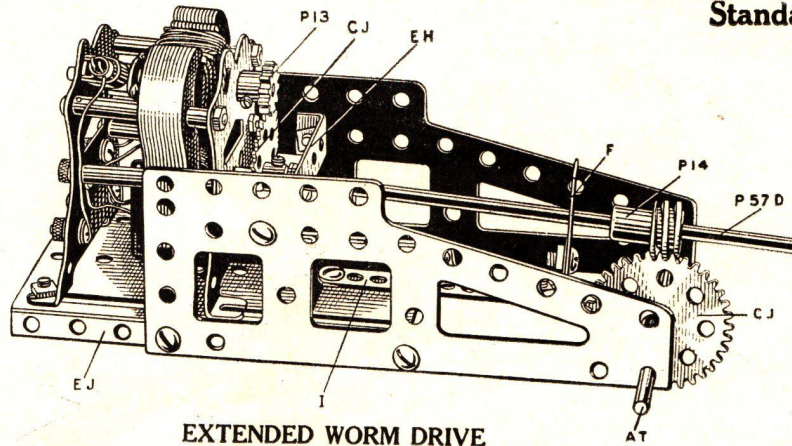


**THREE-STEP WORM DRIVE
WITH 110 VOLT MOTOR No. 10-4's**

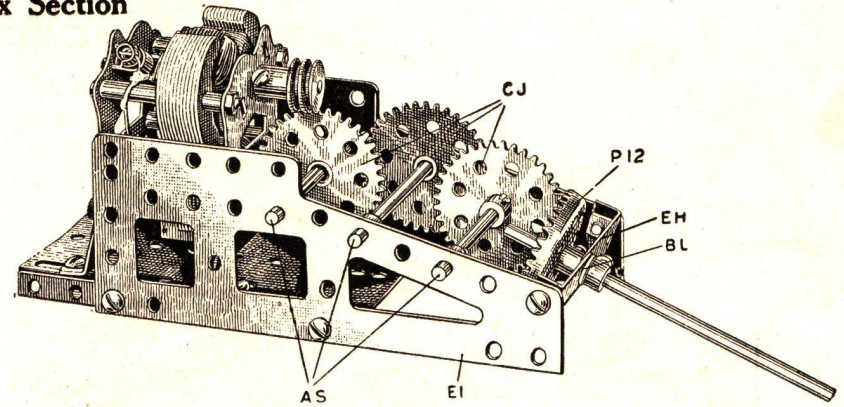
Mount P58 Motor in same manner as 110 volt motor (illustrated). Is not contained in No. 4 Set.

Models Built With No. 4 Erector

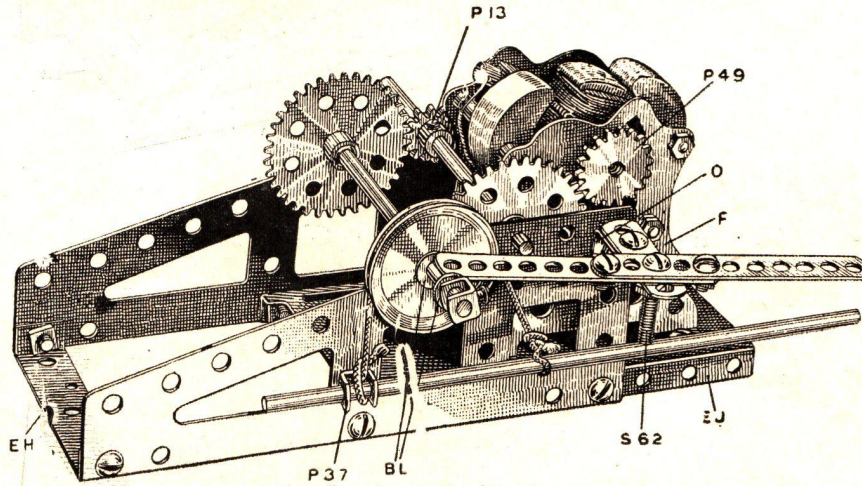
Standard Gear Box Section No. 4



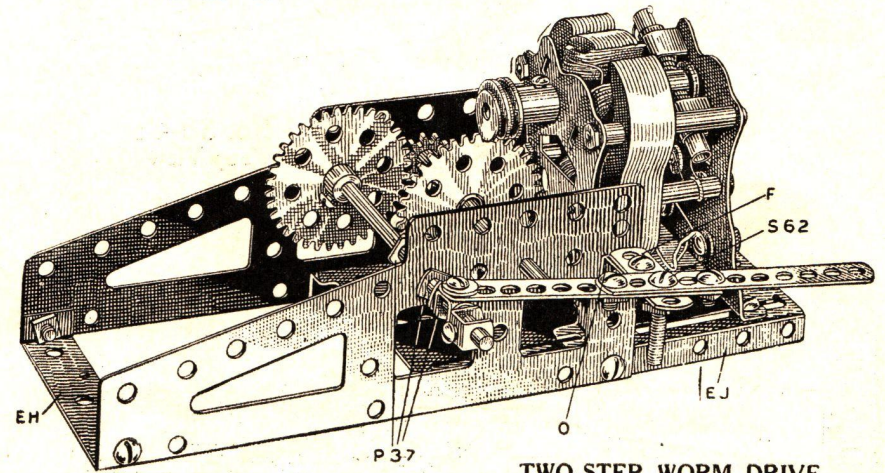
EXTENDED WORM DRIVE
No. 11-4's



**ANGLE END DRIVE
STANDARD GEAR BOX**
No. 12-4's



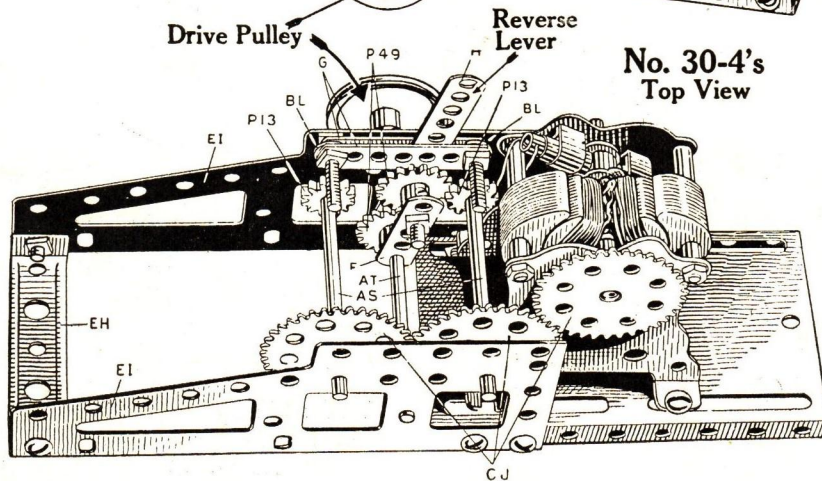
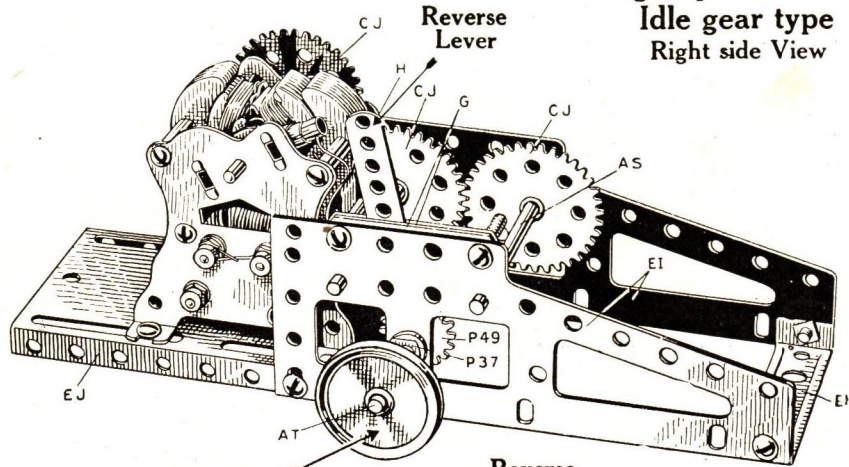
SIMPLE TWO-STEP HOIST WITH GEAR RELEASE AND BRAKE
No. 13-4's



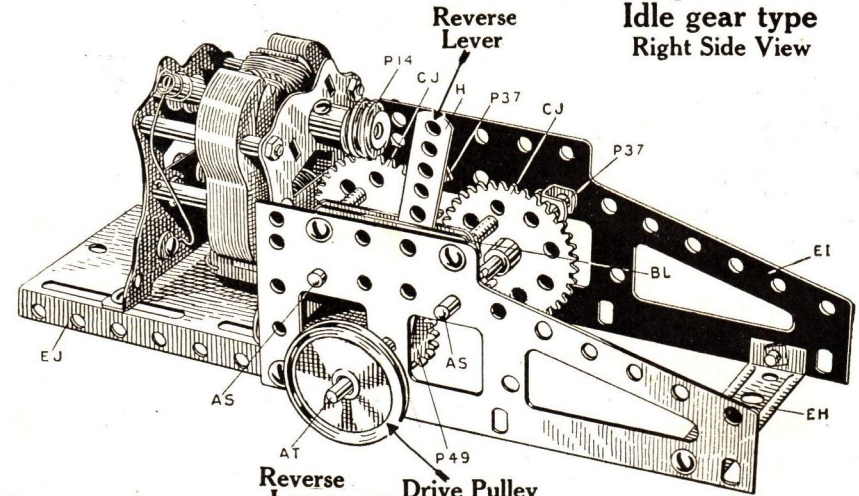
**TWO-STEP WORM DRIVE
WITH RELEASE SHAFT**
No. 14-4's

Models Built With No. 4 Erector Standard Gear Box Reverse Combinations

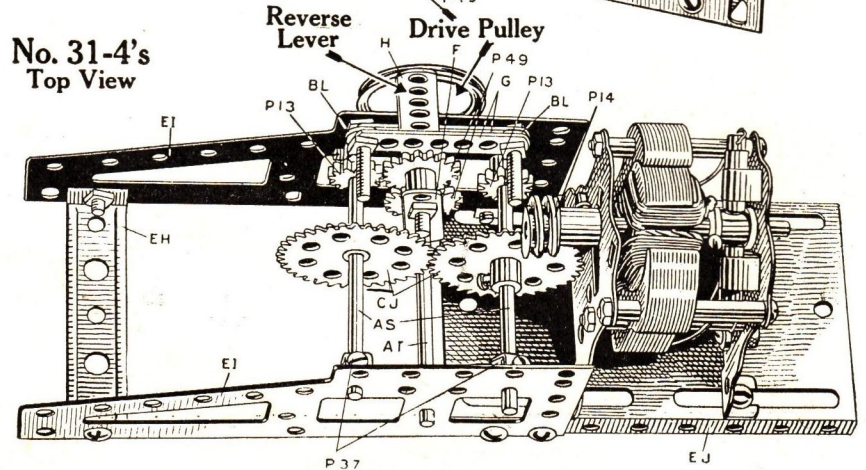
No. 30-4's
High speed reverse
Idle gear type
Right side View



No. 31-4's
Low speed reverse
Idle gear type
Right Side View



No. 31-4's
Top View



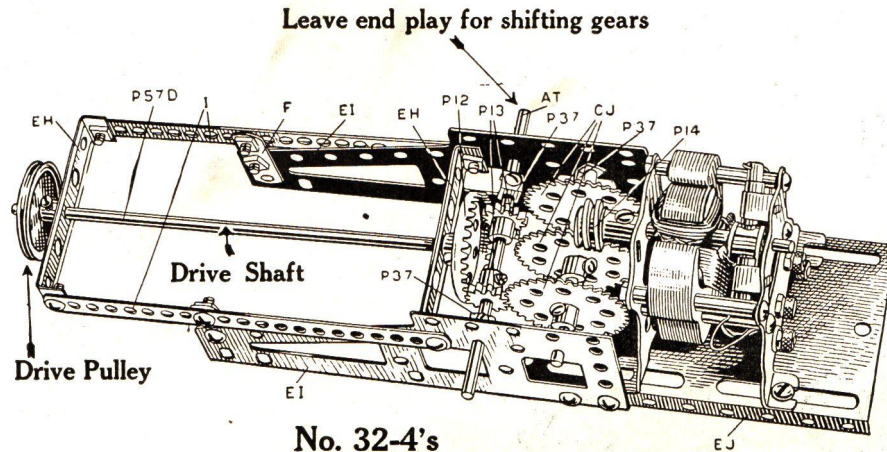
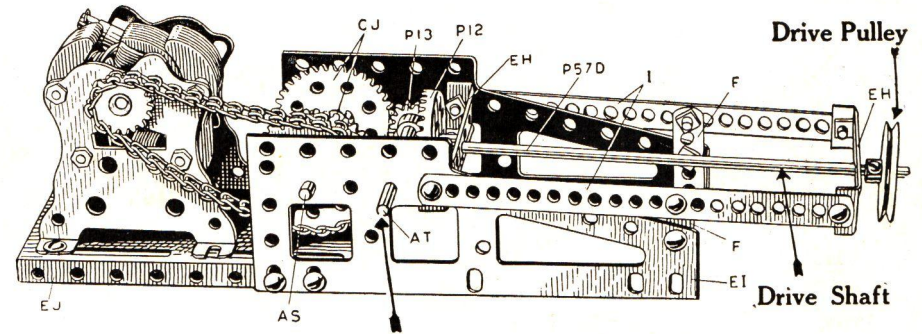
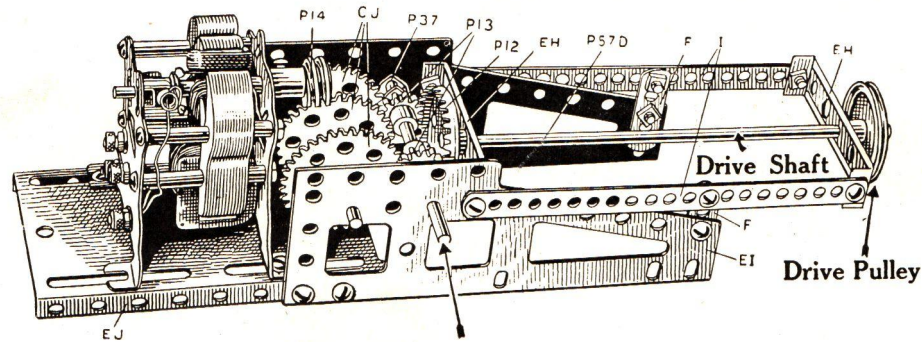
Models Built With No. 4 Erector Standard Gear Box Reverse Combinations

No. 32-4's
Low speed reverse
Shift gear type
Right side view

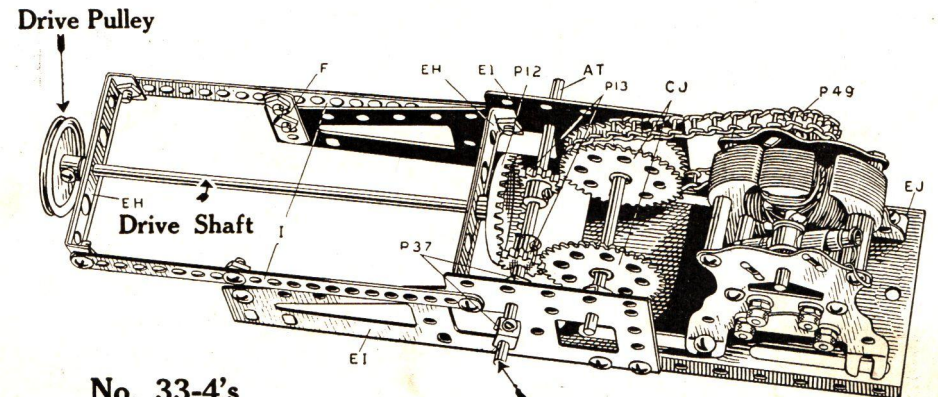
The purpose of this section is to provide various combinations that will permit running models backward or forward. These combinations have many advantages over the reverse motor in that they provide the means of not only reversing direction but to regulate speed and power and provide a neutral point when model is idle.

If you desire a simple motor reverse, see part B. O. in Erector Separate Parts Section, electrical accessory column, or reverse base P59 under "Motors and Hoisting Units."

No. 33-4's
High speed reverse
Shift gear type
Right side view



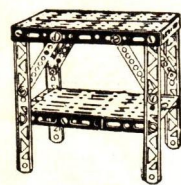
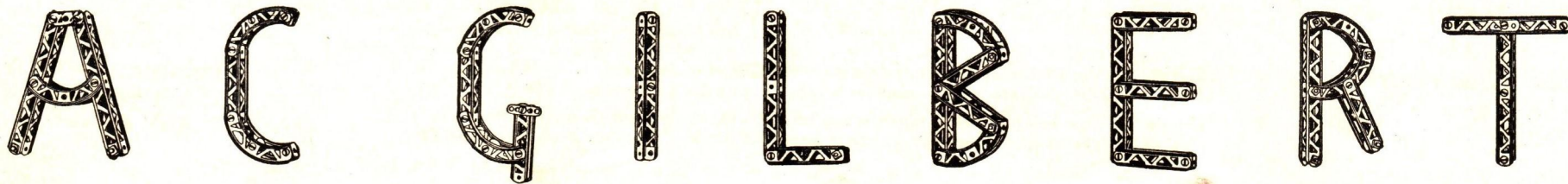
No. 32-4's
Top View



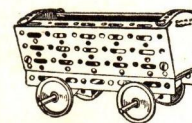
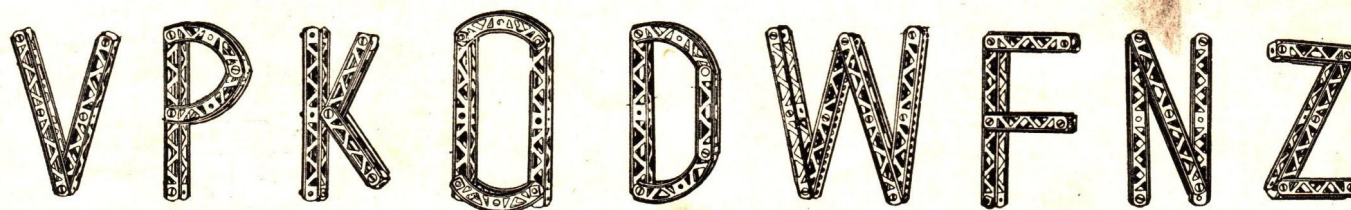
No. 33-4's
Top View

Leave end play for shifting gears

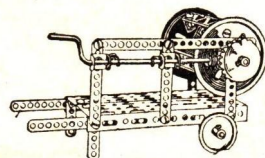
MODELS BUILT WITH NO. 4 ERECTOR



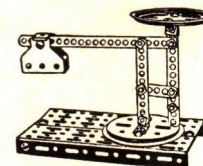
Table



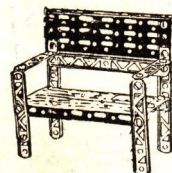
Coal Wagon



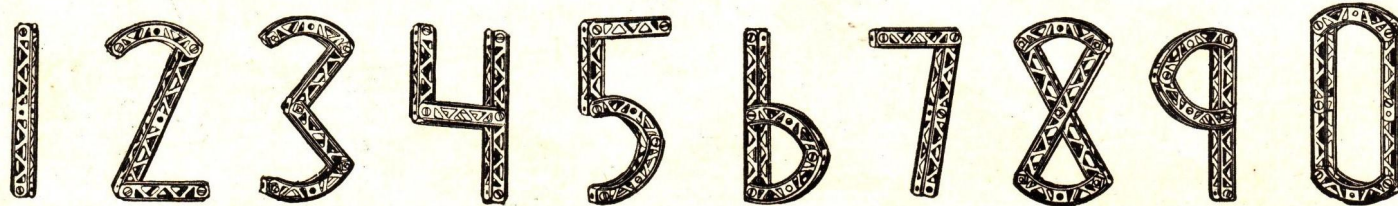
Hand Cement Mixer



Letter Scale



Settee



Electric Doll

THE NEW **ERECTOR** MOTOR AND ITS BIG SPECIAL FEATURES

- 1st — Can be taken apart for experimental purposes.
- 2nd — Adapted for use with various gear combinations.
- 3rd — Armature shaft same size as all shafting and axles.
- 4th — Any gear or pinion can be directly attached to armature shaft.
- 5th — Double drive shaft. Pulleys and gears can be attached to both sides of motor.

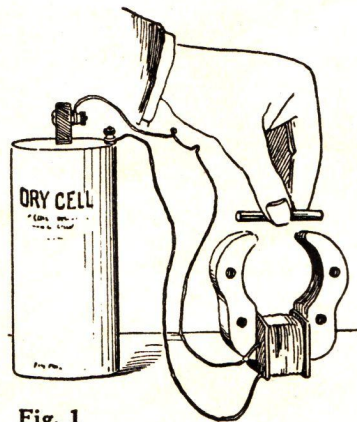


Fig. 1
EXPERIMENT 1—HOW TO TEST THE FIELD MAGNET

Connect the ends of a field magnet to the binding posts of a dry cell and then test it out with a soft iron wire, or nail, and you will find that it behaves just like a Horseshoe Magnet, except that it is much stronger. Fig. 1 shows how the connections are made.

Fig. 2

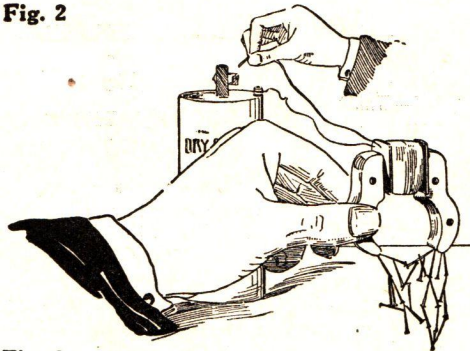


Fig. 3
EXPERIMENT 2—TO TRY OUT THE LIFTING POWER OF YOUR FIELD MAGNET

Connect one end of the field coil with one of the binding posts of a dry cell, connect up the other end (Fig. 2) of the field coil to the other binding post of your dry cell. Now, hold the field magnet upside down, lay the pole pieces on a pile of small nails and see how many of them the magnet will lift up, as shown on Fig. 3.

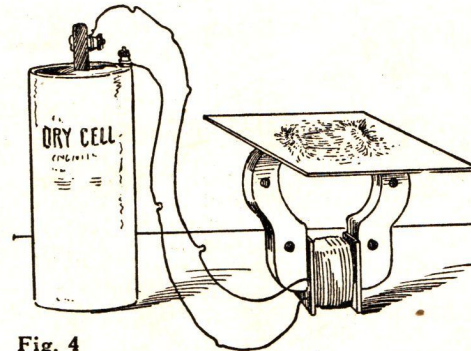


Fig. 4
EXPERIMENT 3—HOW TO TRACE THE MAGNETIC FIELD

Connect the coil of the field magnet to the dry cell, or battery, as shown in Fig. 4. Now lay the field magnet flat on a table, or other level surface, and on the poles of it lay a business card or a sheet of glass. Sprinkle some iron filings over the card, or glass, when they will arrange themselves in curved lines between the poles, which shows how the magnetic lines of force flow from one pole to the other.

EXPERIMENT 4—HOW TO MAGNETIZE THE BLADE OF YOUR KNIFE

Place the blade of your pocket knife, a piece of steel watch spring, or some needles between the poles of the field magnet and then energize the latter by closing the circuit, and you will find that any or all of these steel objects will be permanently magnetized by what is called "induction," that is, the magnetic force acts through space without the magnet and the object being in actual contact with each other.

THE NEW ERECTOR MOTOR.

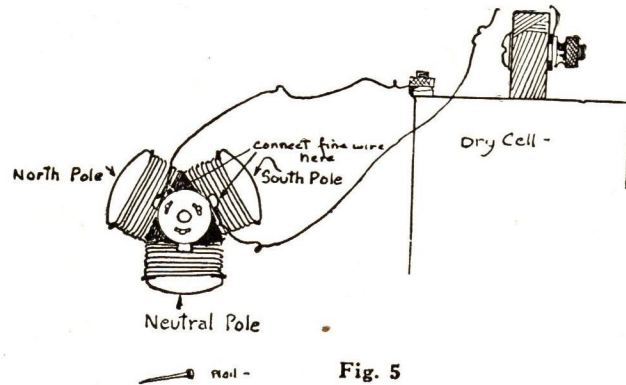
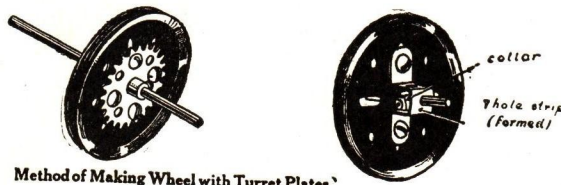


Fig. 5

EXPERIMENT 5—HOW TO TEST THE ARMATURE POLES FOR MAGNETISM

The core of the motor armature has three pole pieces and each one of these is wound with separate coil of wire. Now, the thing to do is to find out how many and which poles are magnetized when the current is passed through the coils of wires. You can test them out by twisting a piece of very fine wire around each of the connections where the ends of the armature coils are soldered to the commutator, as shown in Fig. 5. Connect two of these wires at a time with a dry cell or a battery. Now lay a little nail on the table and hold the armature over it. Try the magnetic power of each pole and you will find that two of them are magnetized and that the third one is not.



Method of Making Wheel with Turret Plates

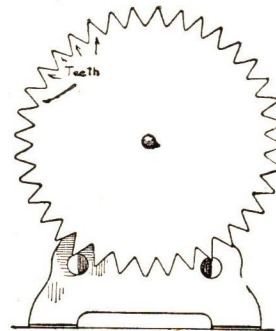


Fig. 6

EXPERIMENT 6—THE BUZZ SAW

Cut a saw-tooth edge on a cardboard disk 3 inches in diameter, as shown in Fig. 6. Mount the disk on the shaft of your motor and set it to rotating. Now hold the edge of a business card against the rapidly moving toothed wheel, when it will give out a musical note. By cutting out a number of disks and spacing the teeth differently, various musical notes will be provided. By spacing the teeth on a disk unevenly it will make a harsh sound—that is, a noise.

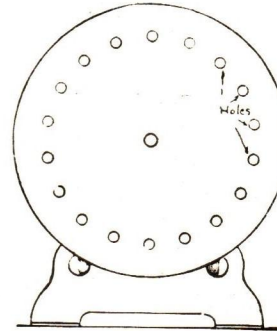


Fig. 7

EXPERIMENT 7—THE SONG OF THE SIREN

(1) Punch a ring of evenly spaced holes around the edge of a disk 3 inches in diameter with a sharp-pointed nail and make a hole in the center of it, as shown at A in Fig. 7, and mount it on the shaft of your motor. Take a rubber tube $\frac{1}{4}$ inch in diameter and 1 foot long, make a mouthpiece of cardboard and fix the small end of it to one end of the tube. Now run your motor and then blow with the mouthpiece, when the disk will give forth a musical note. (2) Punch a ring of unevenly spaced holes around the edge of the disk, rotate it, and blow into the tube as before, when it will give forth a curious noise.

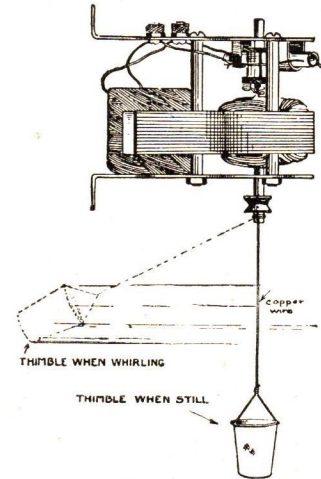
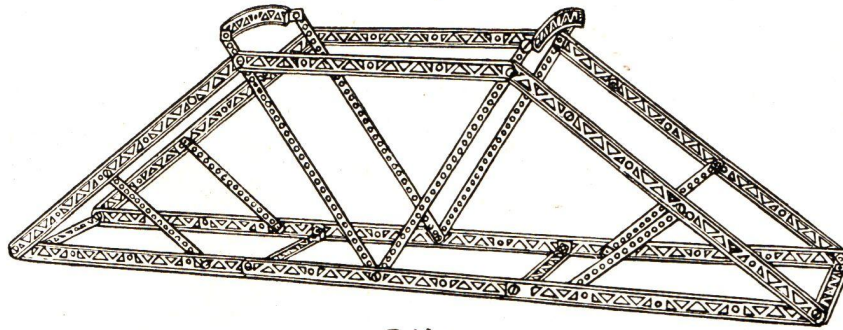


Fig. 8

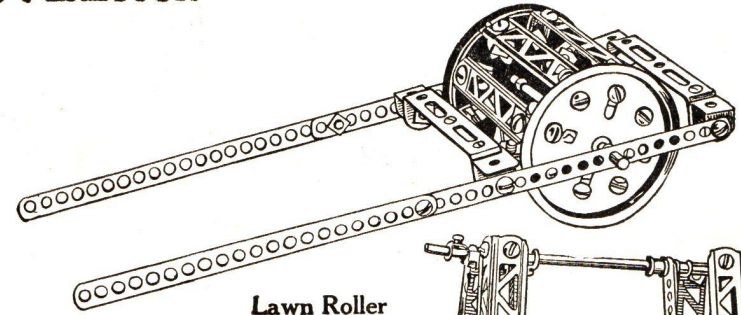
EXPERIMENT 8—THE PAIL OF WATER THAT JACK CAN'T SPILL

Fix a piece of No. 24 copper wire around the top of a thimble to form a bail on it as shown in Fig. 8. Suspend the little bucket thus made by a string from the end of the shaft of your motor and hold the latter so that the shaft is vertical. Fill thimble with water and start up your motor and as it gathers speed the centrifugal force will throw the little bucket out and up until it will be revolving in a horizontal plane. The water, however, will not spill out as the centrifugal force holds it in.

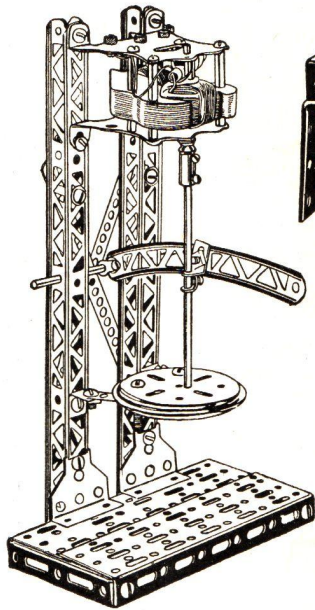
MODELS BUILT WITH NO. 4 ERECTOR



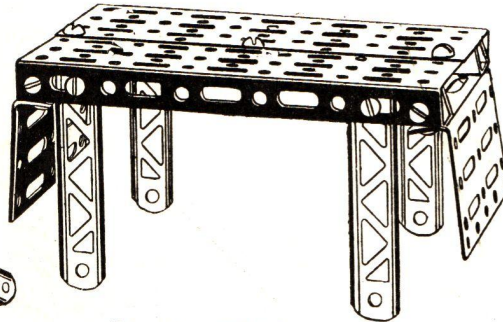
Bridge



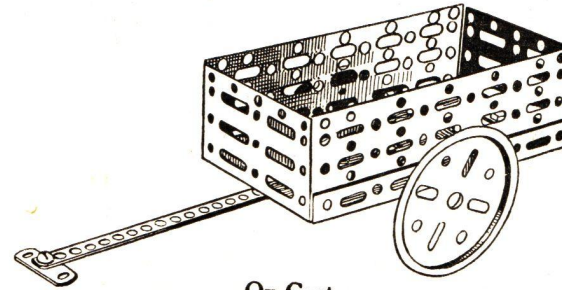
Lawn Roller



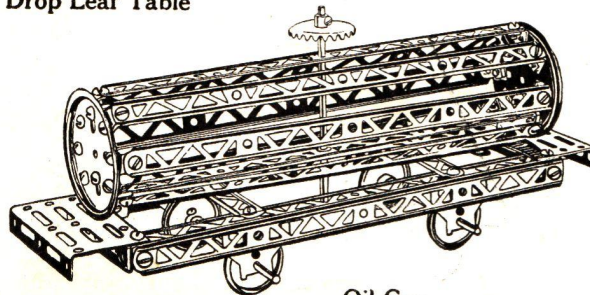
Electric Drill Press



Drop Leaf Table



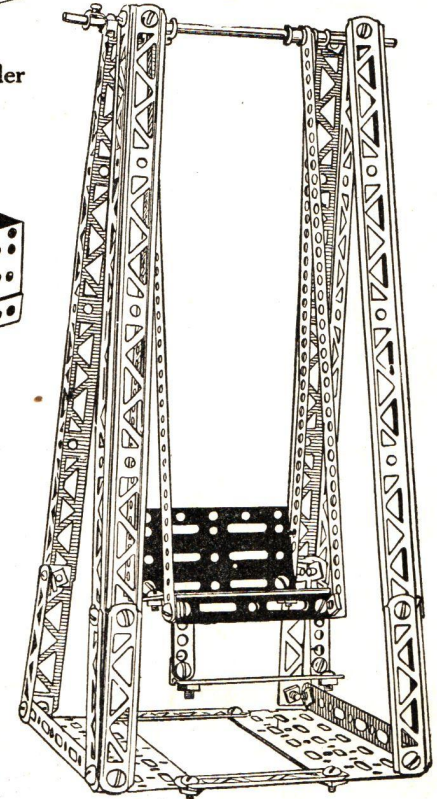
Ox Cart



Oil Car

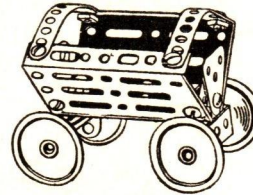
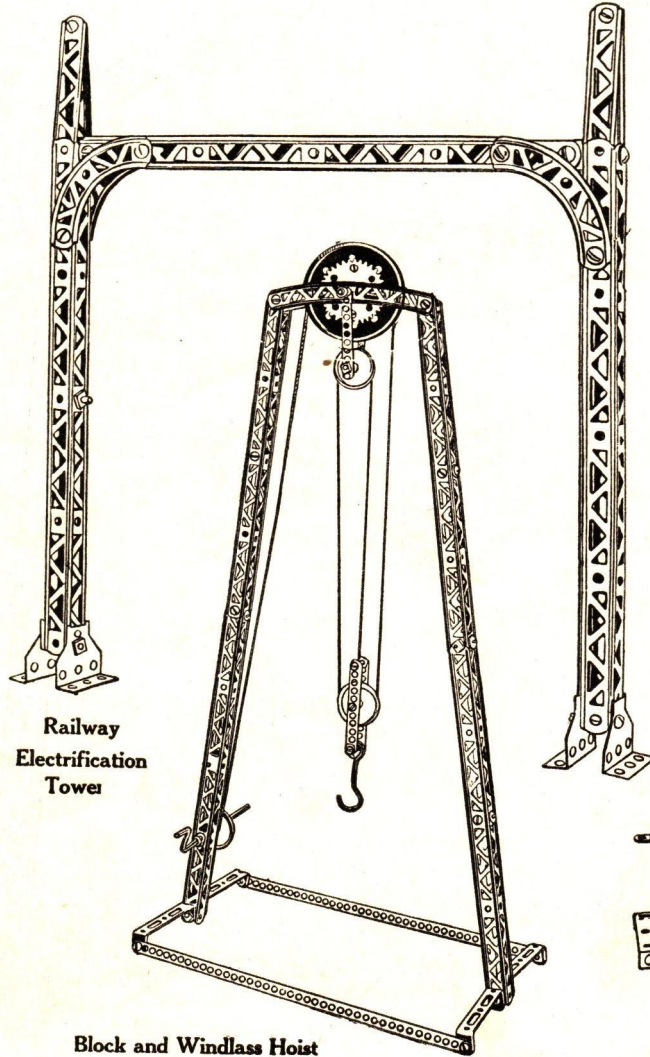


Milking Stool

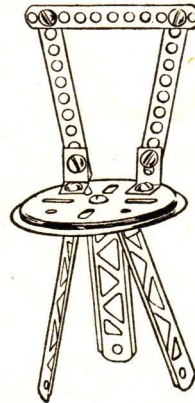


Lawn Swing

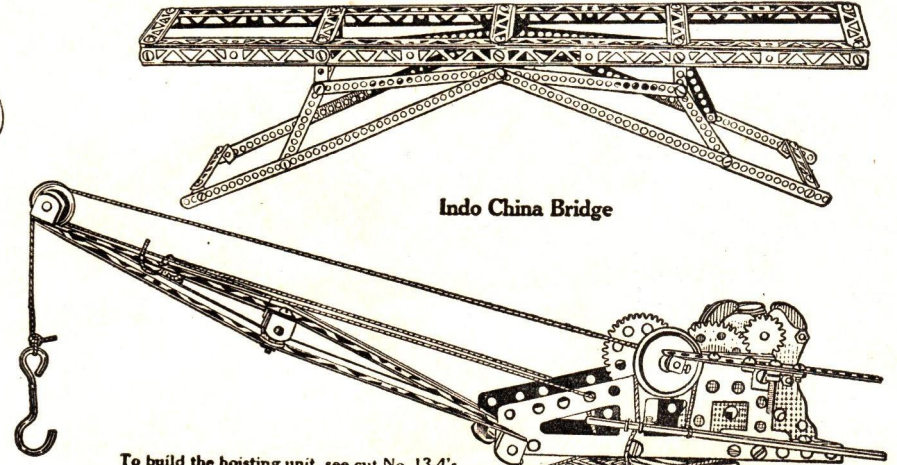
MODELS BUILT WITH NO. 4 ERECTOR



Small Coal Car

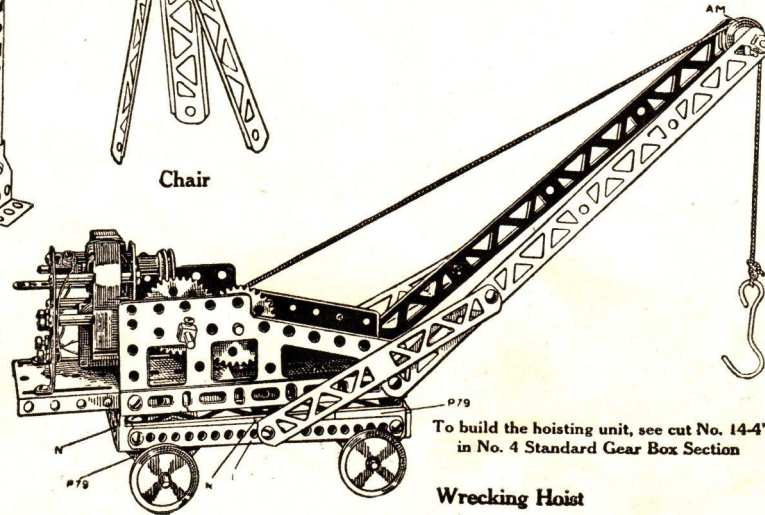


Chair



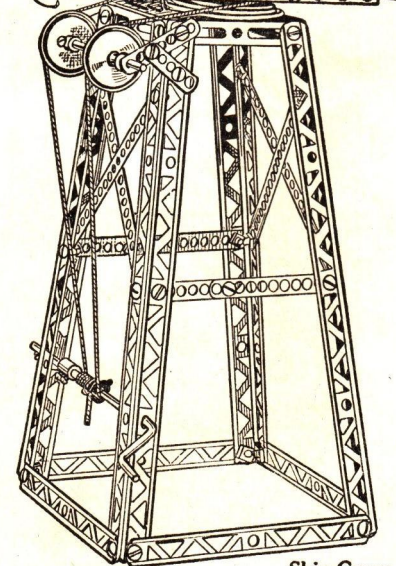
Indo China Bridge

To build the hoisting unit, see cut No. 13-4's
in No. 4 Standard Gear Box Section



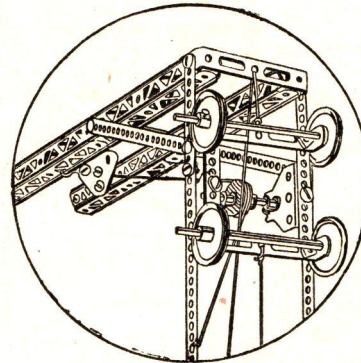
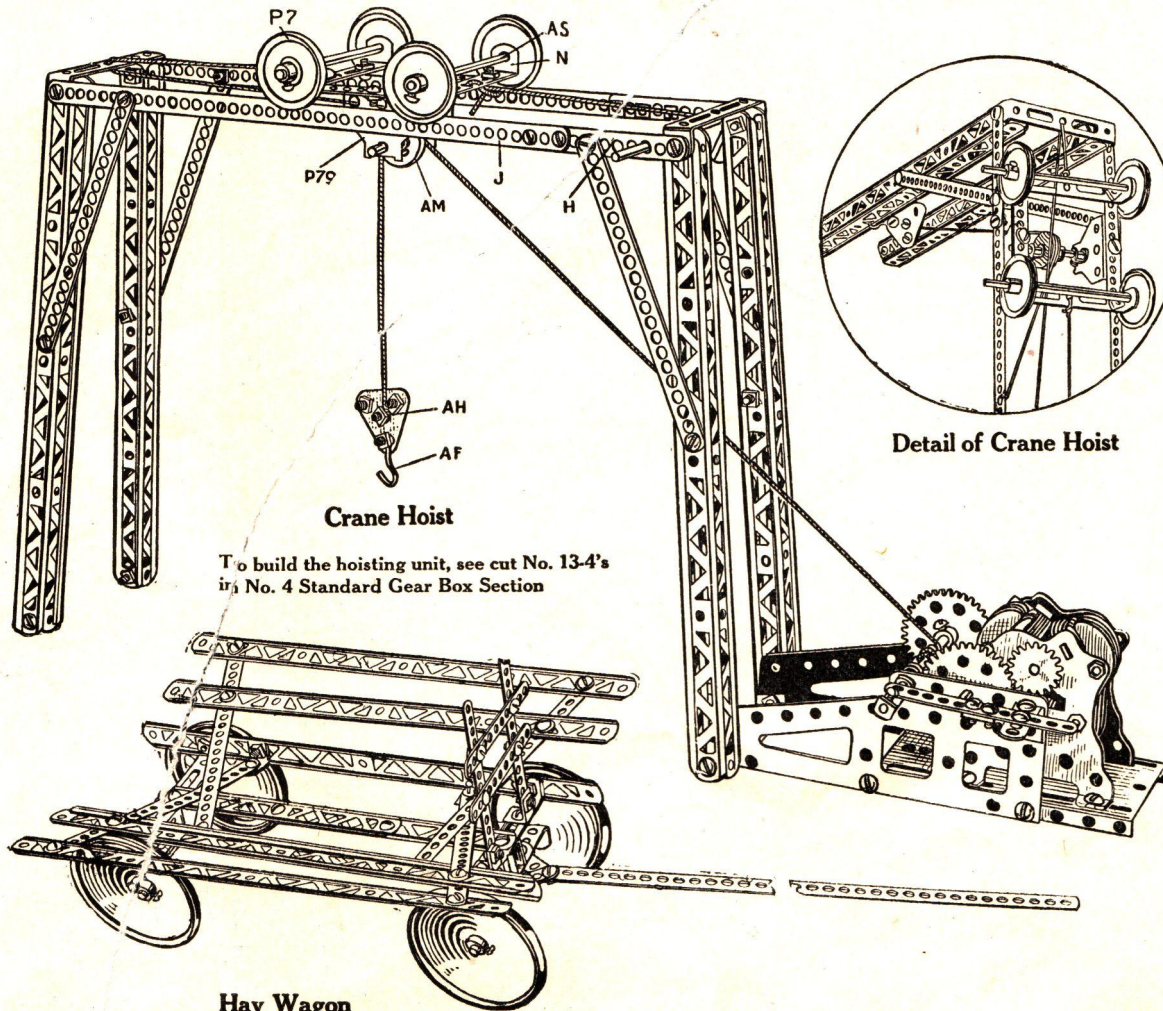
To build the hoisting unit, see cut No. 14-4's
in No. 4 Standard Gear Box Section

Wrecking Hoist

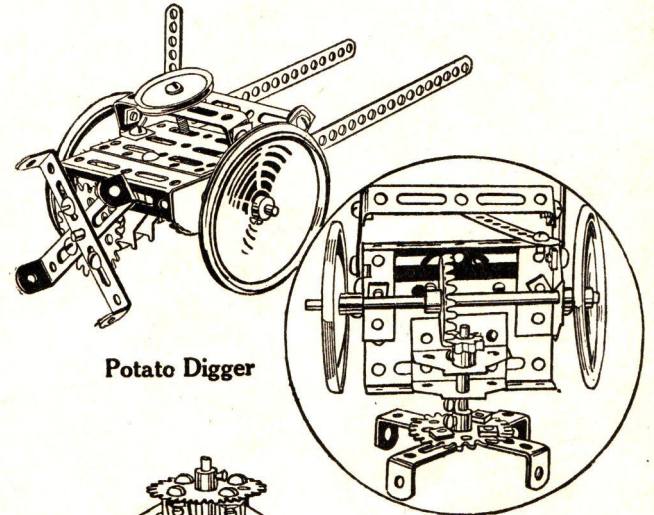


Ship Crane

MODELS BUILT WITH NO. 4 ERECTOR

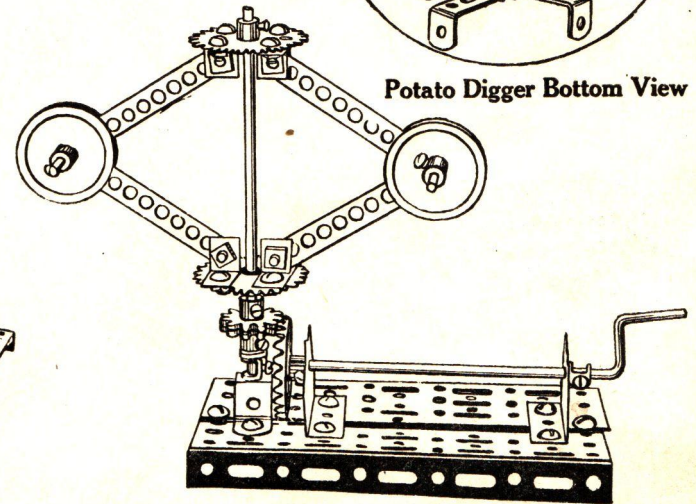


Detail of Crane Hoist



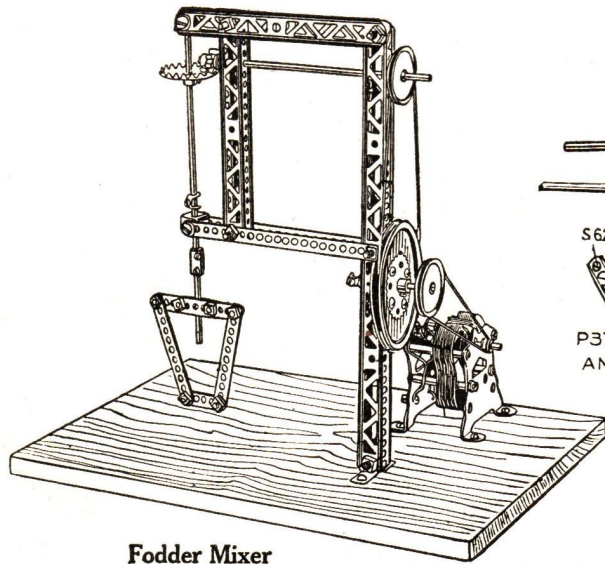
Potato Digger

Potato Digger Bottom View

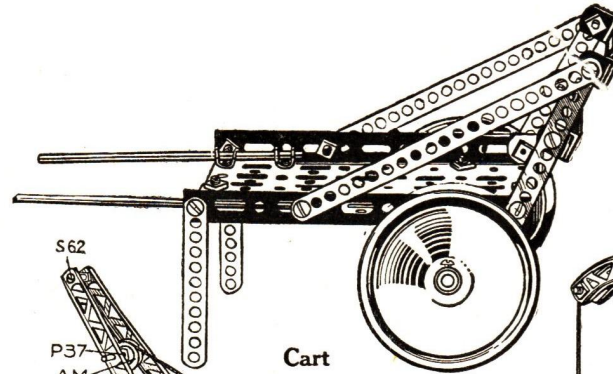


Governor Principle

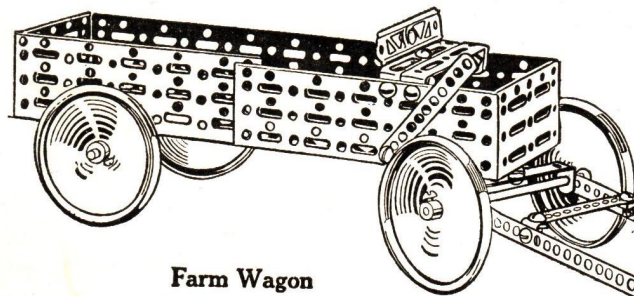
MODELS BUILT WITH NO. 4 ERECTOR



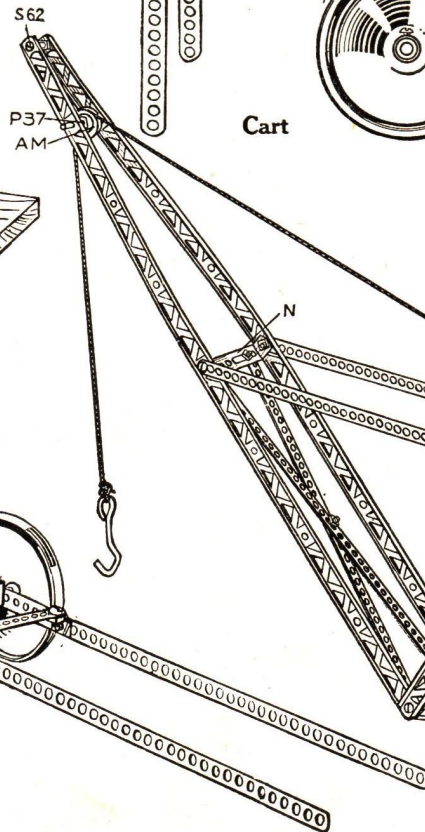
Fodder Mixer



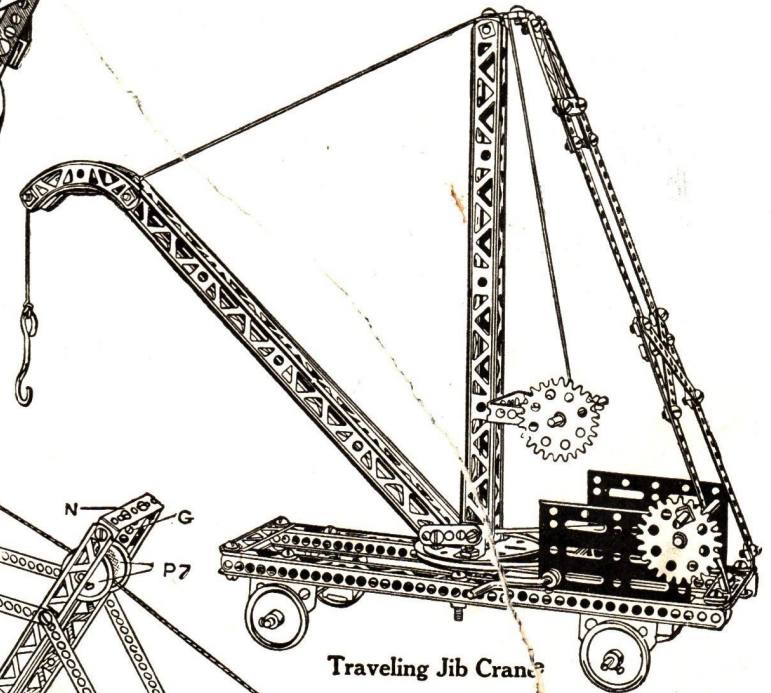
Cart



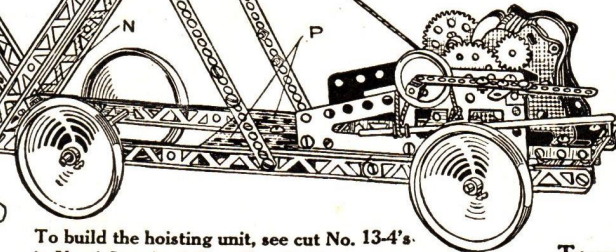
Farm Wagon



To build the hoisting unit, see cut No. 13-4's
in No. 4 Standard Gear Box Section

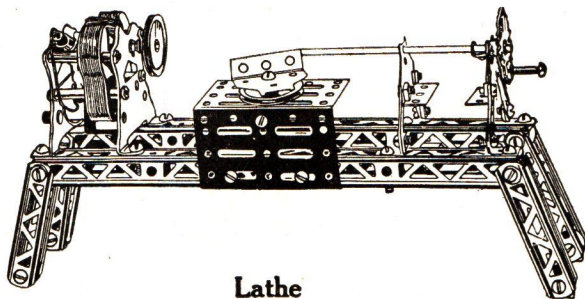


Traveling Jib Crane

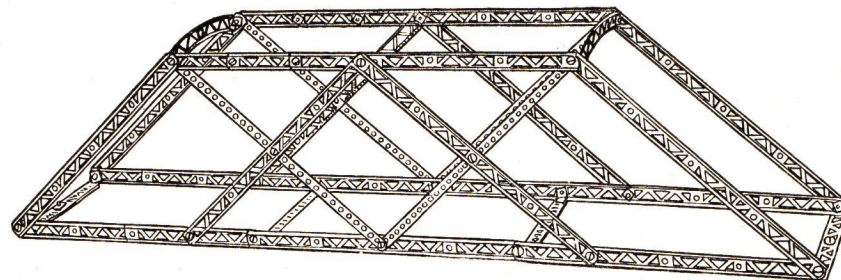


Traveling Jib Crang

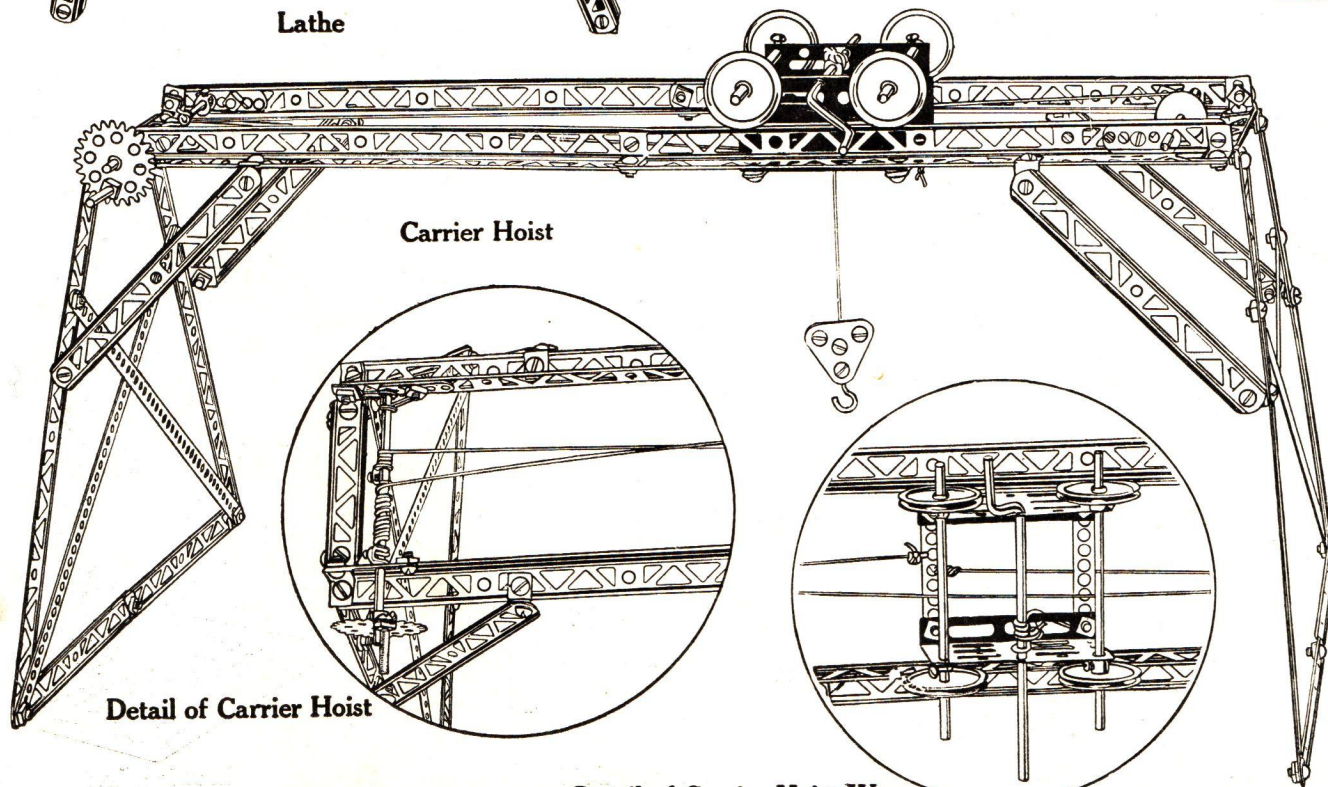
MODELS BUILT WITH NO. 4 ERECTOR



Lathe



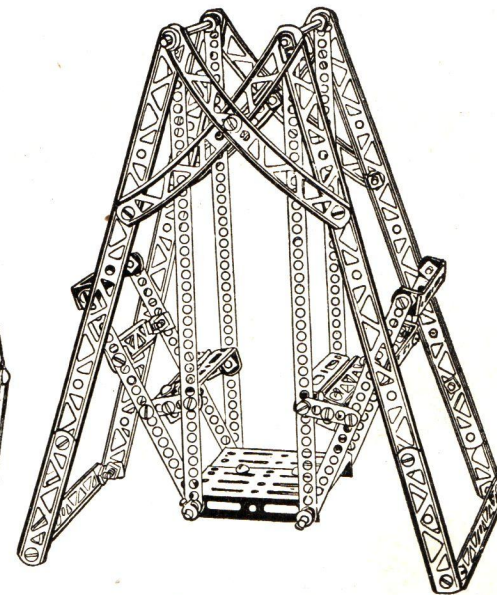
Bridge



Carrier Hoist

Detail of Carrier Hoist

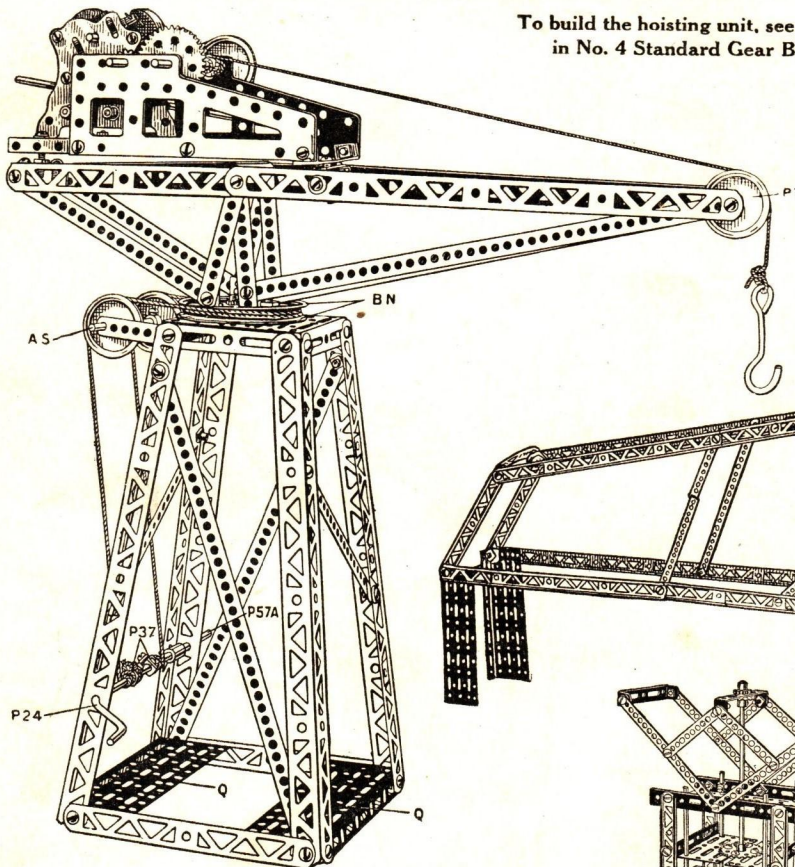
Detail of Carrier Hoist Wagon



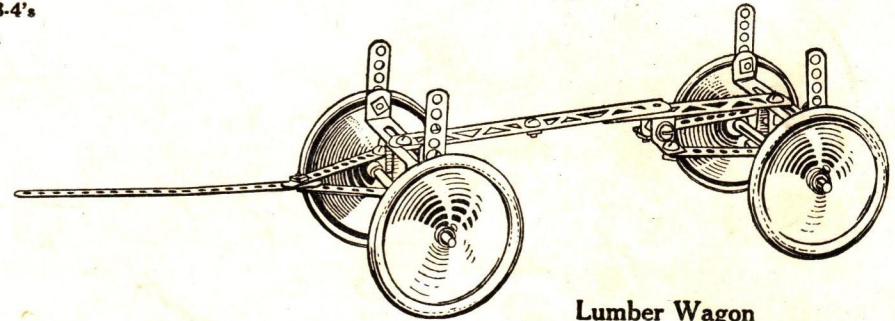
Lawn Swing

MODELS BUILT WITH NO. 4 ERECTOR

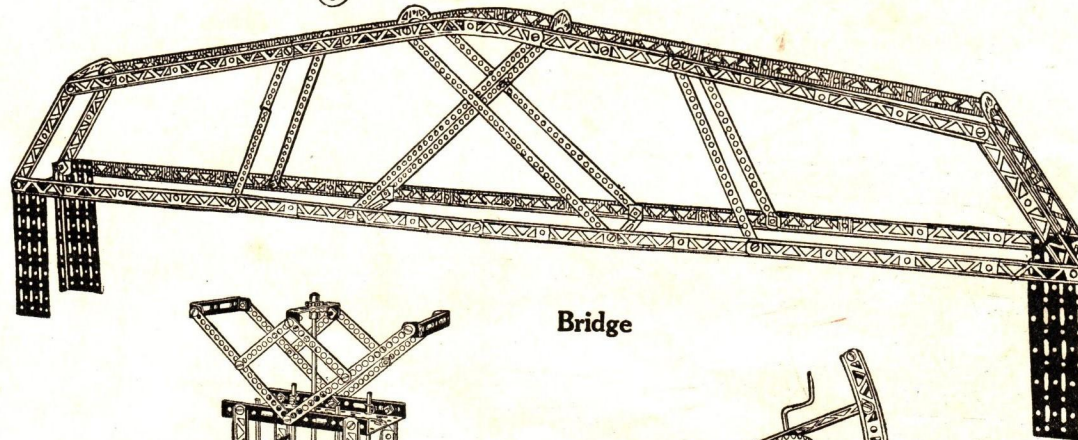
To build the hoisting unit, see cut No. 13-4's
in No. 4 Standard Gear Box Section



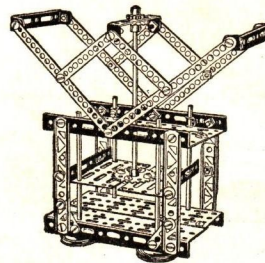
Ship Crane



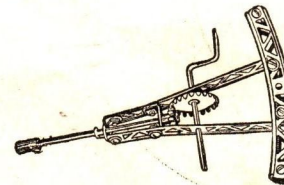
Lumber Wagon



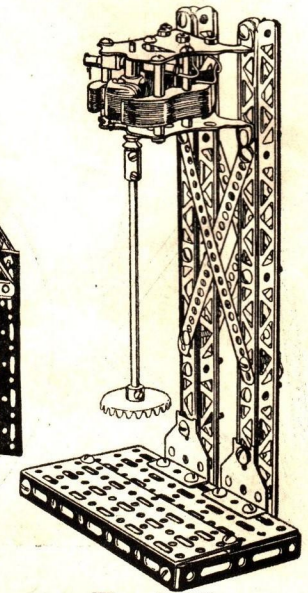
Bridge



Bailing Press

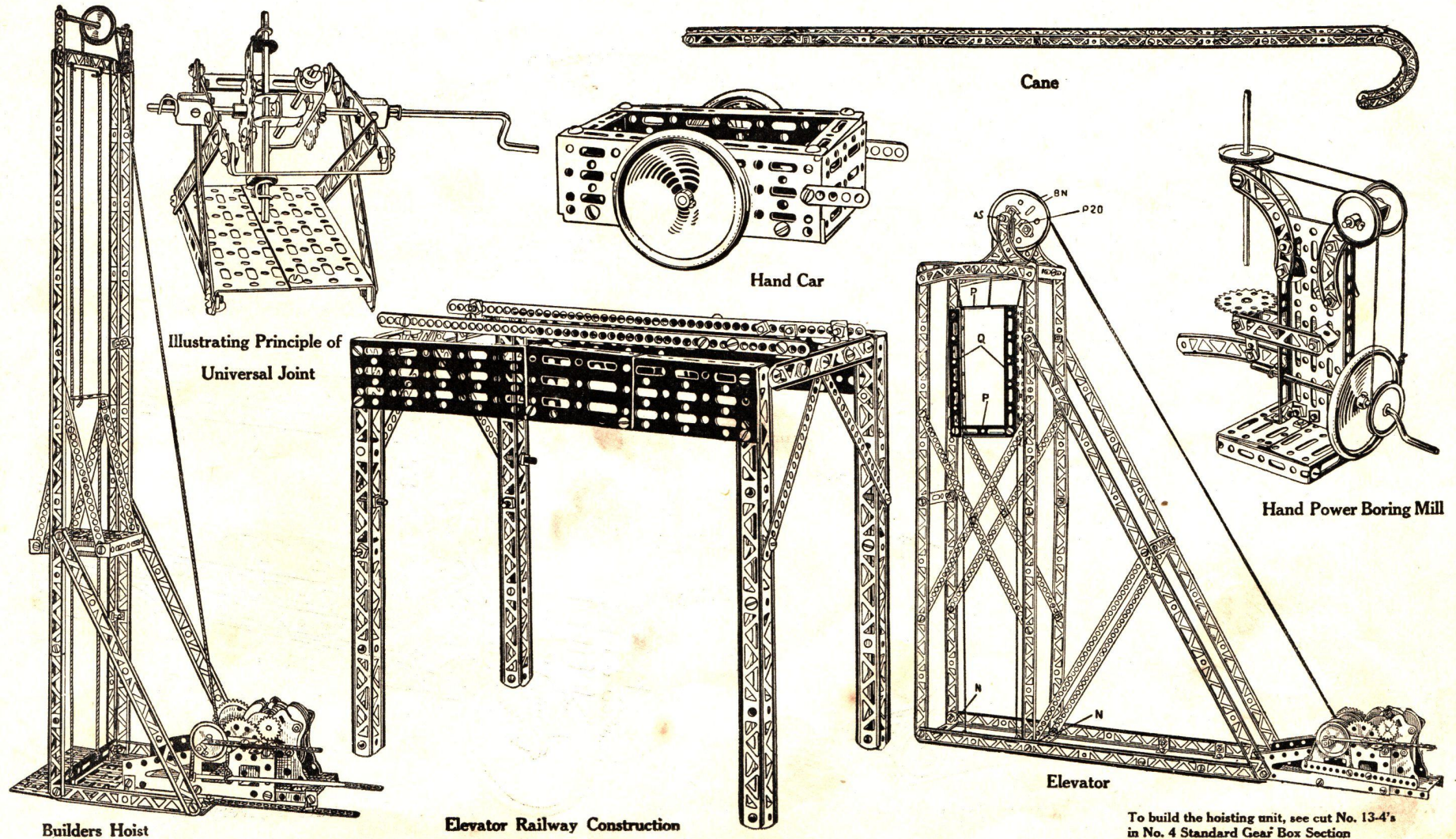


Breast Drill



Electric Mixer

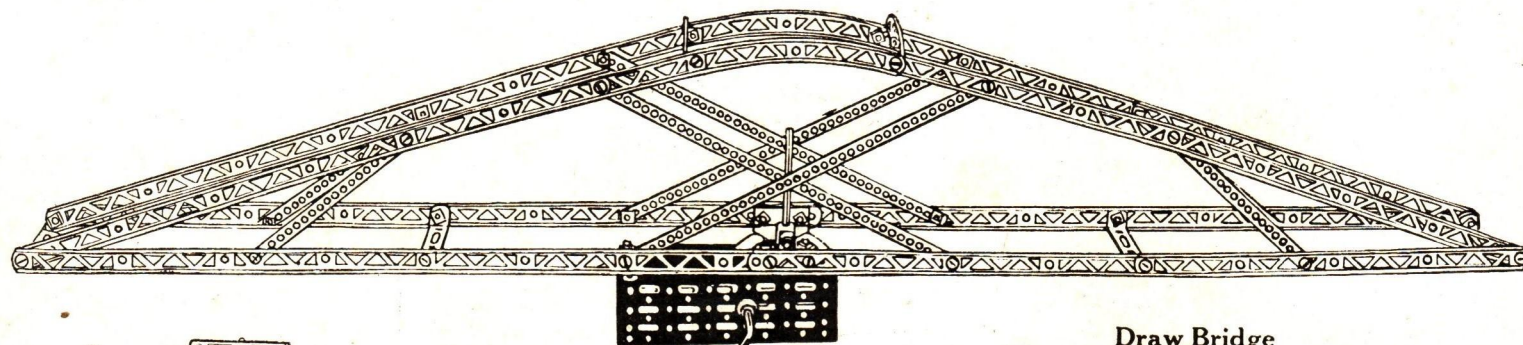
MODELS BUILT WITH NO. 4 ERECTOR



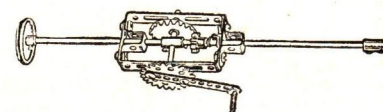
MODELS BUILT WITH NO. 4 ERECTOR



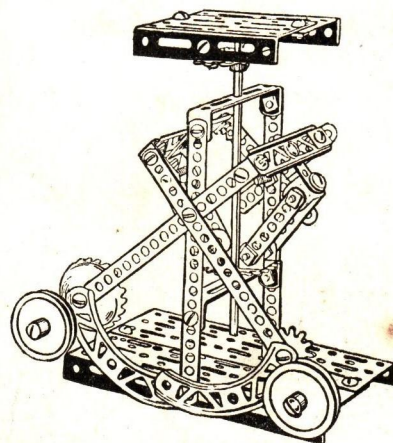
Water Tower



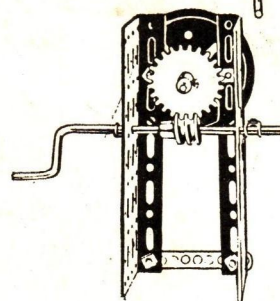
Draw Bridge



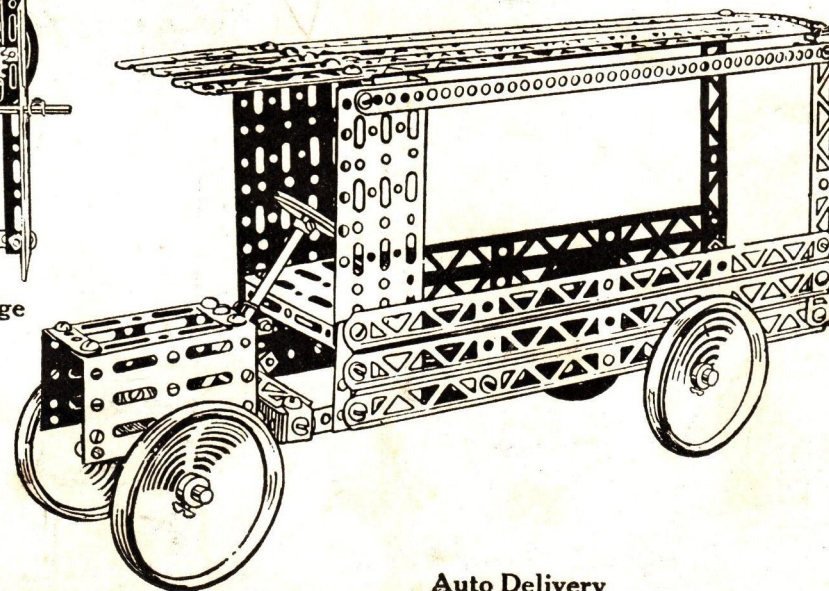
Breast Drill



Letter Scale



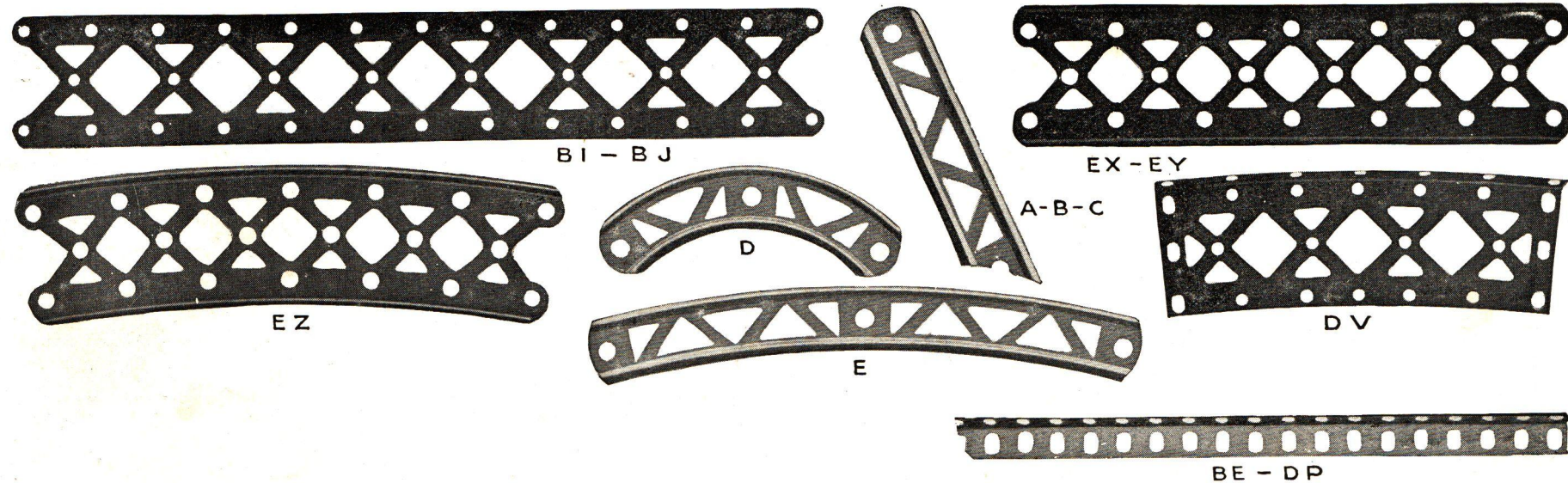
Draw Bridge
Detail



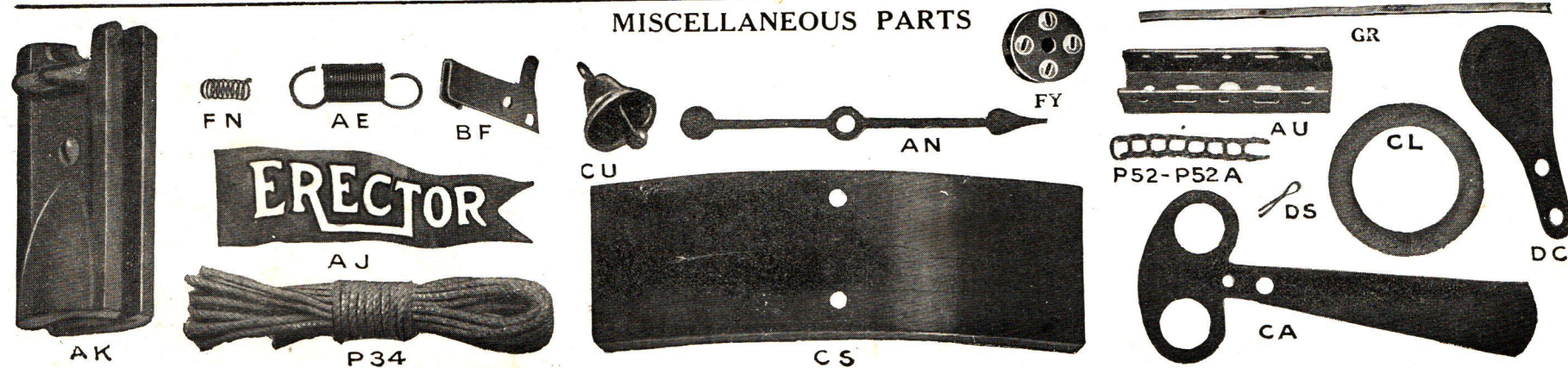
Auto Delivery

ERECTOR SEPARATE PARTS

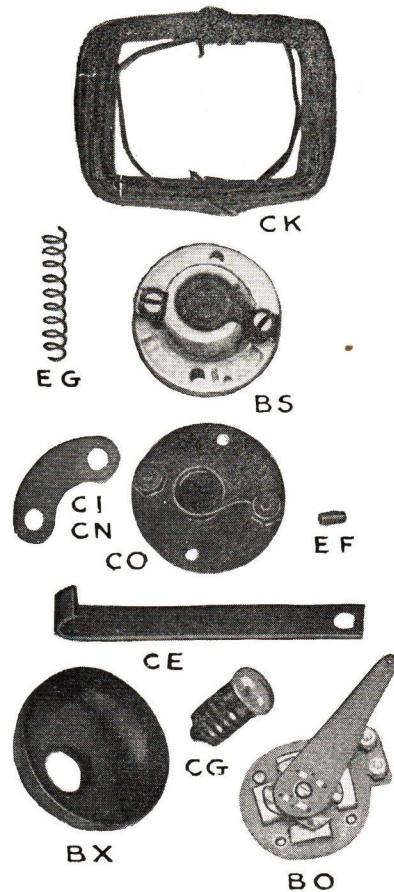
GIRDERS



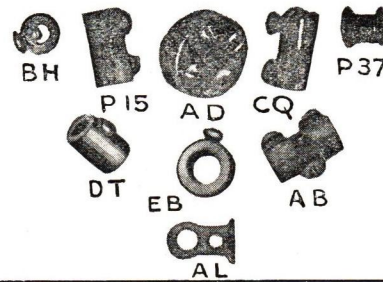
MISCELLANEOUS PARTS



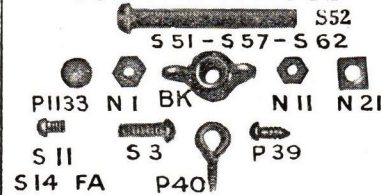
ELEC. ACCESSORIES



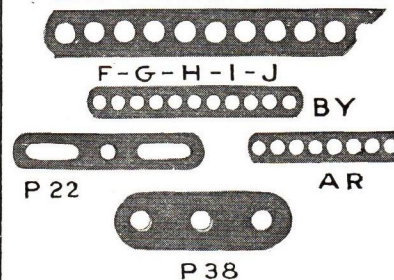
COLLARS COUPLINGS



SCREWS & NUTS



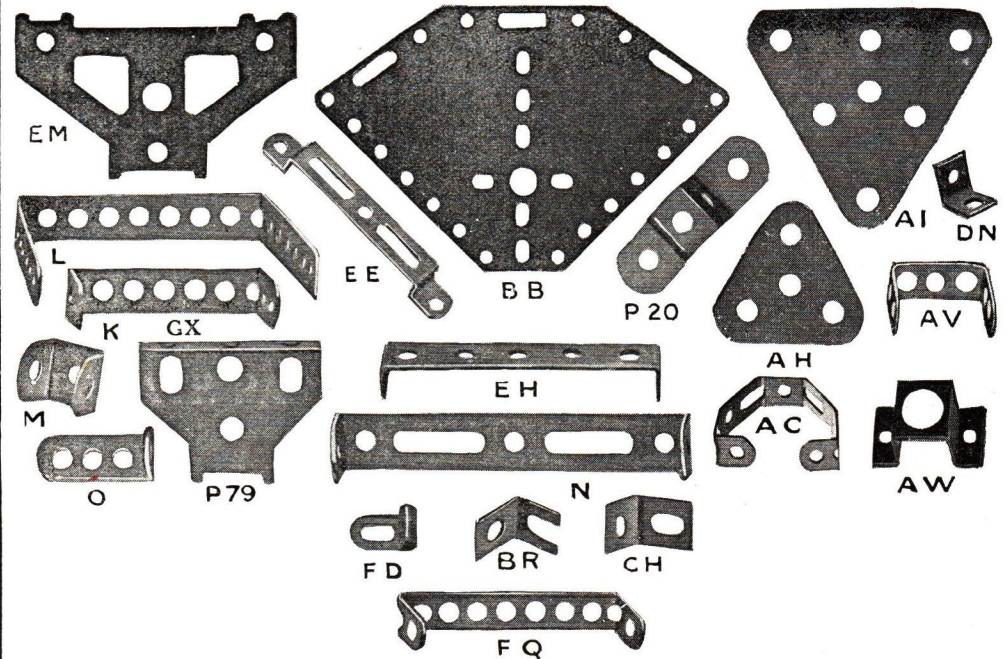
PERFORATED STRIPS



HOOKS & WASHERS



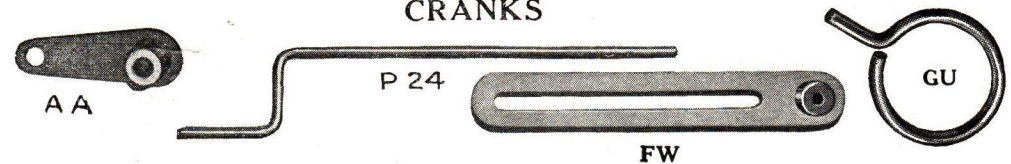
ANGLE & ANGLE PIECES



AXLE RODS & SHAFTINGS

CX - P57A - AS - AT - CY - P57D - CZ - P57E - DA - P57F - AX - DU - EC

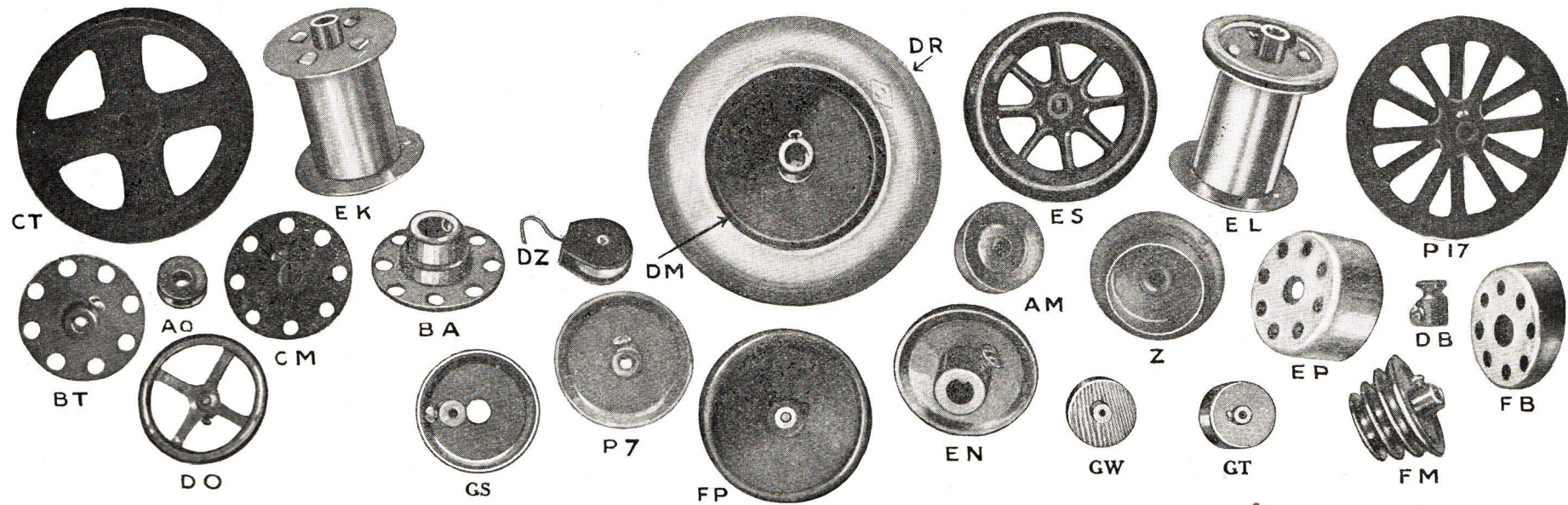
CRANKS



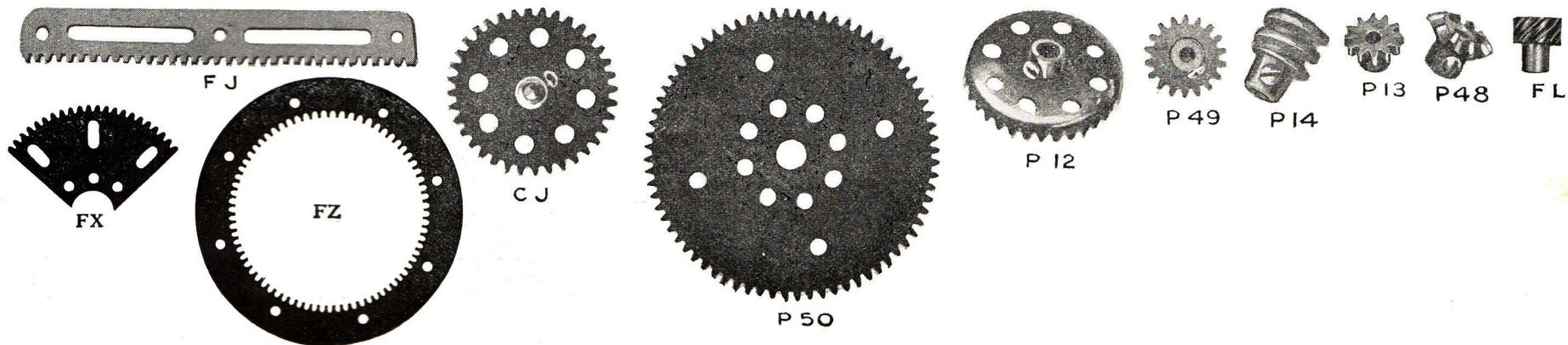
ERECTOR SEPARATE PARTS

WHEELS, DRUMS, DISCS, & PULLEYS

Page 3

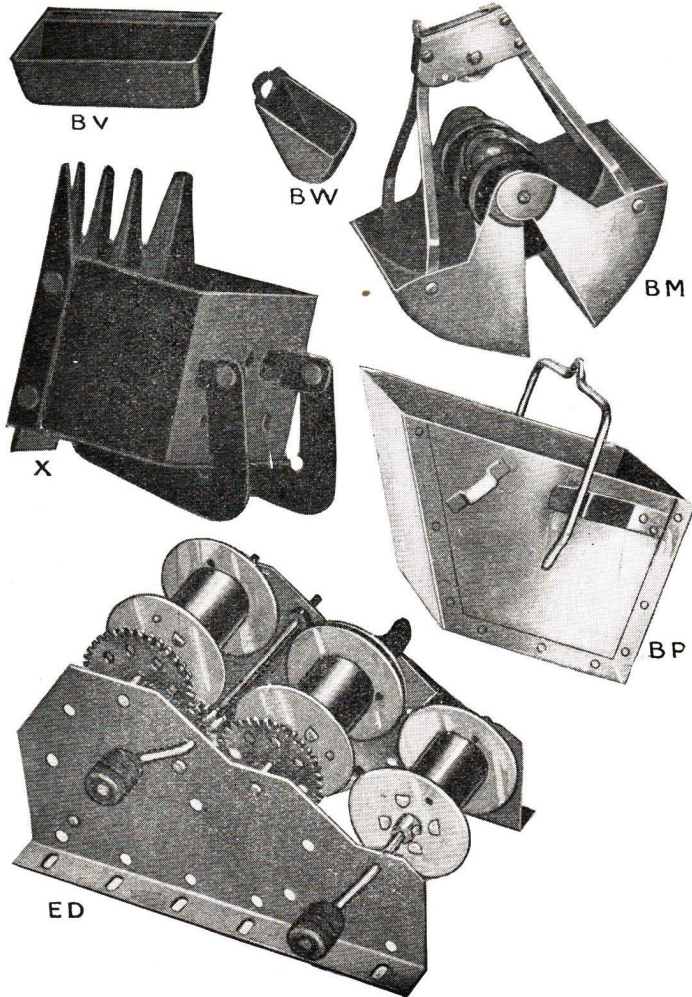


GEARS

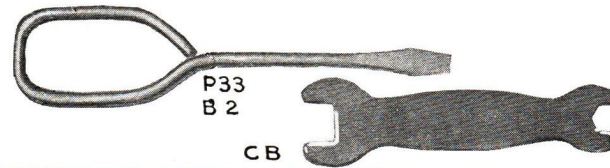


ERECTOR SEPARATE PARTS

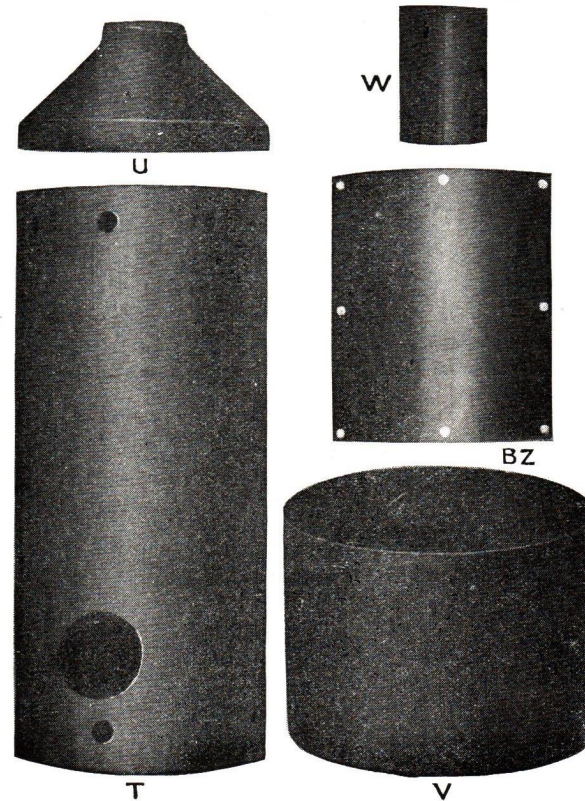
SCOOPS & BUCKETS



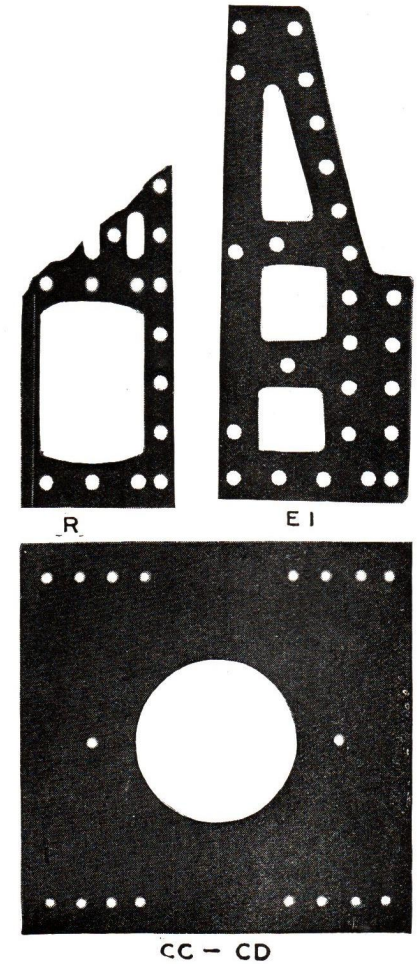
TOOLS



BOILERS AND ACCESSORIES

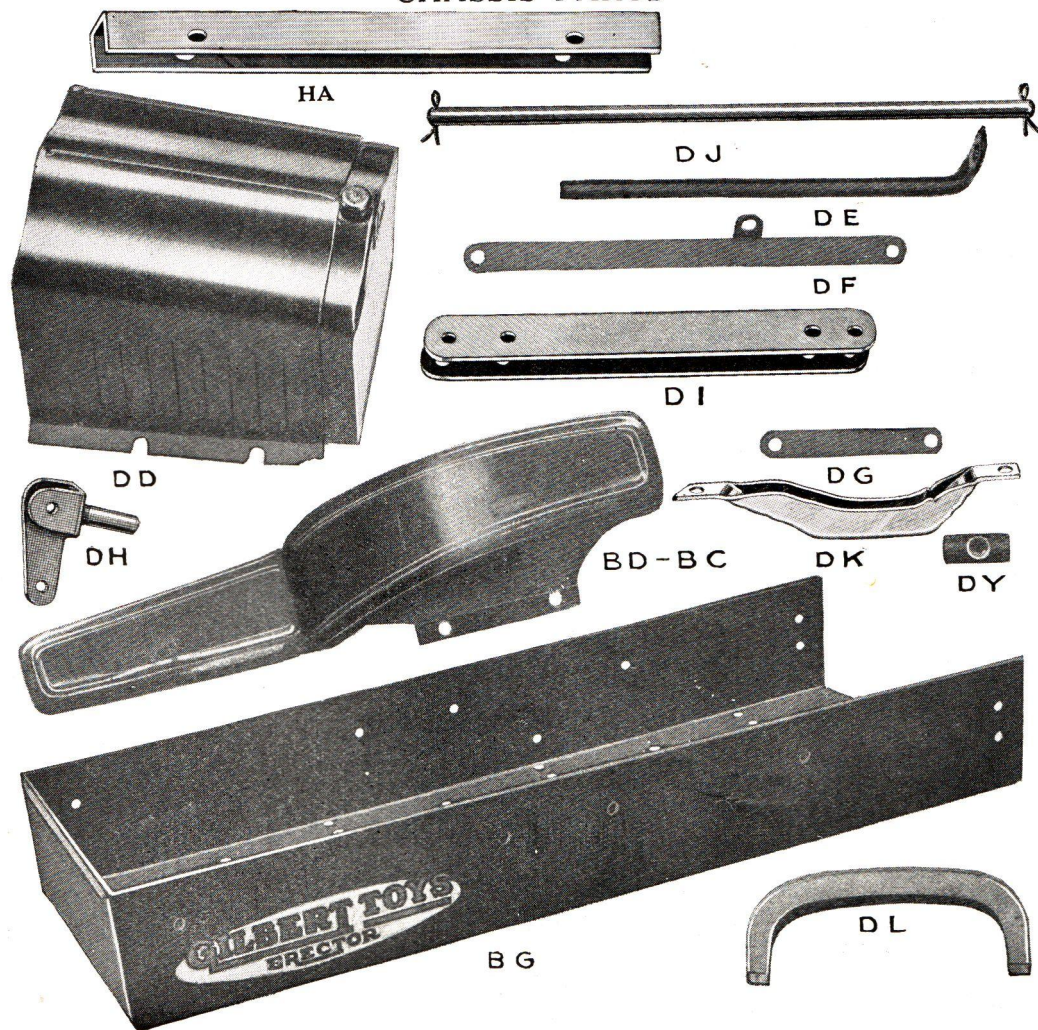


SIDE PLATES CAB TOPS

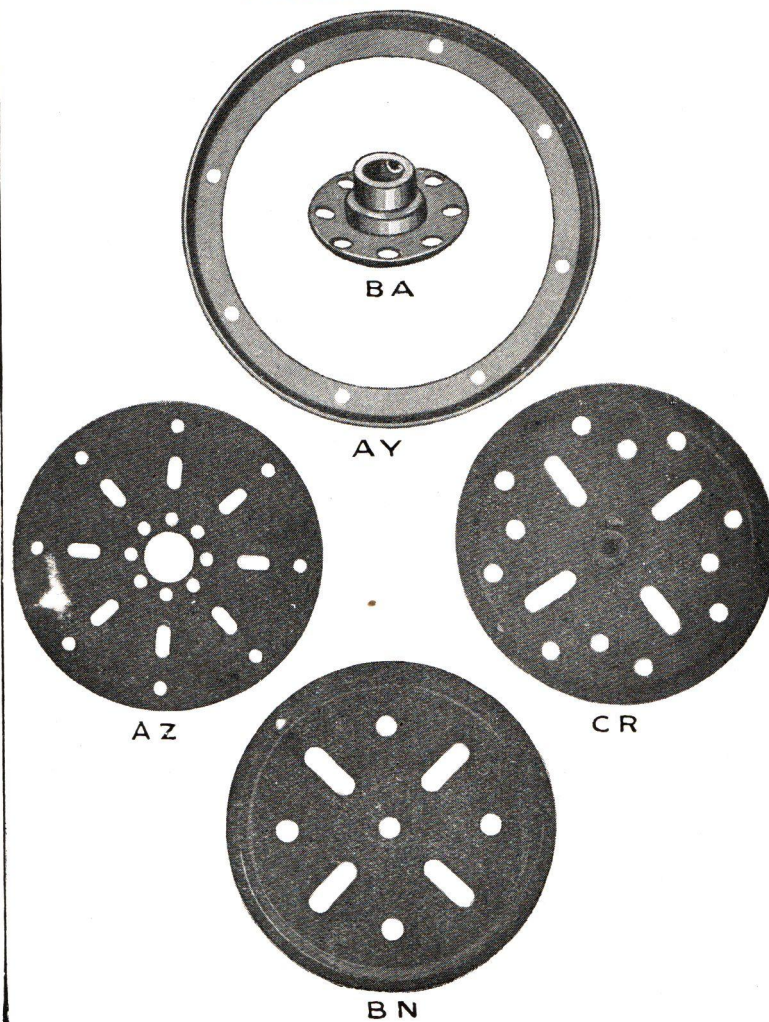


ERECTOR SEPARATE PARTS

CHASSIS PARTS

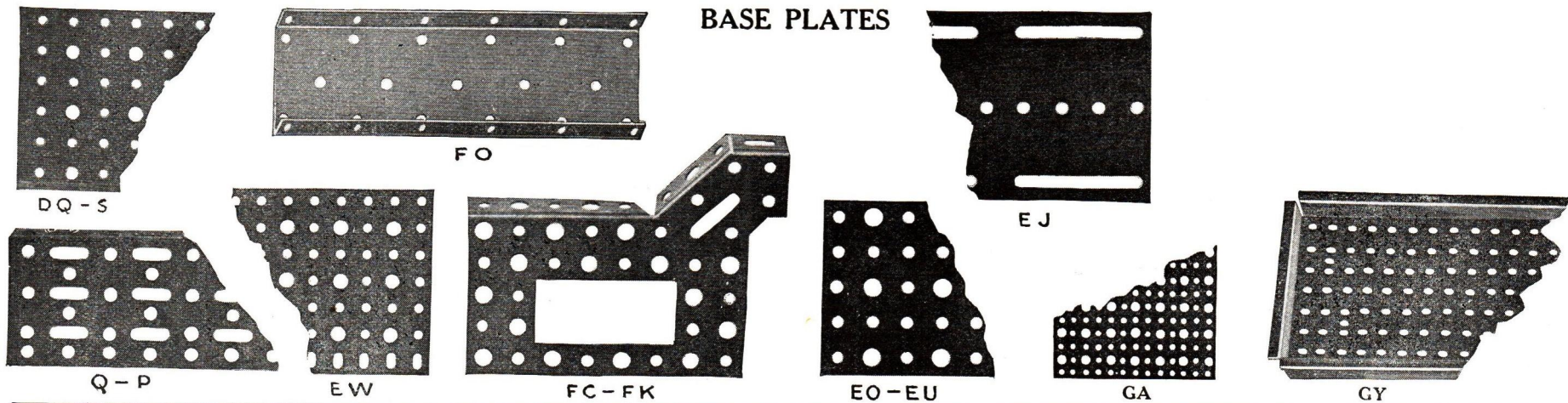


TURRET PLATES

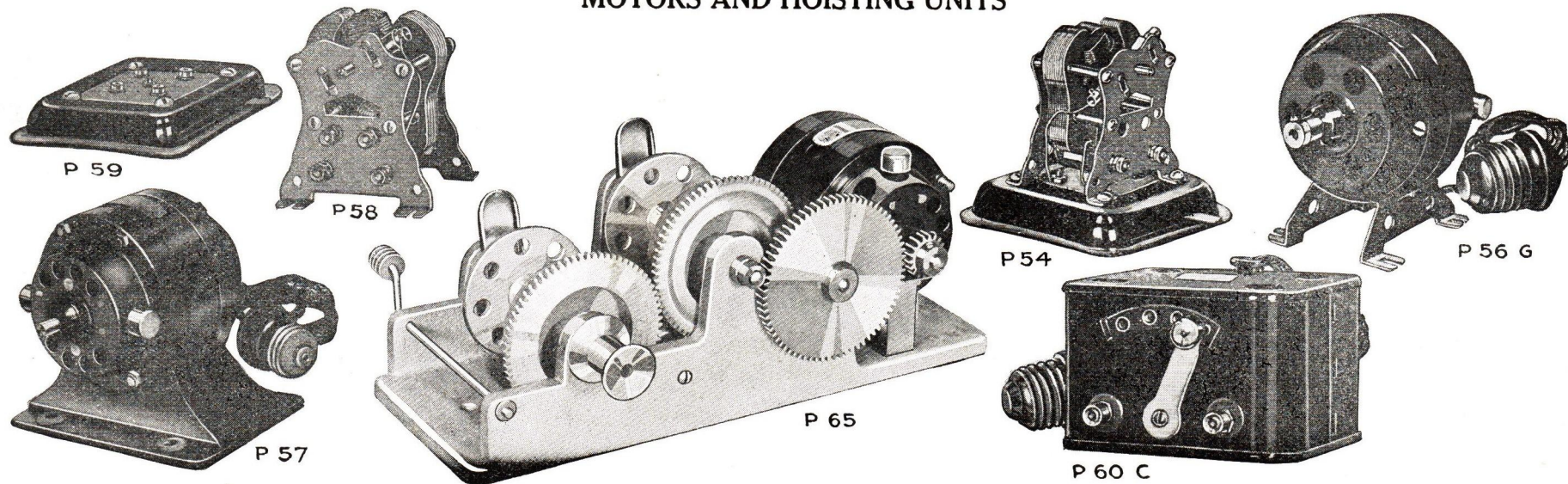


ERECTOR SEPARATE PARTS

BASE PLATES



MOTORS AND HOISTING UNITS



Form M999-28

ERECTOR SEPARATE PARTS PRICES

Most all dealers carry Separate Erector Parts. If unable to obtain in your city send us your check for the parts you want and we will be glad to send your order direct from here if you will send us the name of your dealer.

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

Trade No.	Name of Part	Page	Price	Trade No.	Name of Part	Page	Price	Trade No.	Name of Part	Page	Price	Trade No.	Name of Part	Page	Price
N1	4-40 Hex Nut.....	2	\$.10 doz.	O	Pawl.....	2	.05 ea.	BT	Pierced Disc.....	3	.10 ea.	DX	Twisted Cord (not illustrated).....		.05 ft.
N11	6-32 Hex Nut.....	2	.10 doz.	P	Small Base Plate—5 hole.....	6	.15 ea.	BV	Chain Bucket (large).....	4	.15 ea.	DY	Bushing.....	5	2 for .05
N21	8-32 Square Nut.....	2	.05 doz.	Q	Regular Base Plate—11 hole.....	6	.15 ea.	BW	Chain Bucket (small).....	4	.10 ea.	DZ	Tackle Block.....	3	.15 ea.
P7	Small Wheel.....	3	.10 ea.	R	Dash Plate.....	4	.20 ea.	BX	Reflector.....	2	.10 ea.	EA	Discontinued—See E. W.		
P12	Crown Gear.....	3	.10 ea.	S	Large Base Plate—21 holes.....	6	.40 ea.	BY	11 Hole Fibre Strip.....	2	.05 ea.	EB	¼ in. Collar.....	2	.05 ea.
P13	12-Tooth Pinion Gear.....	3	.10 ea.	T	Boiler.....	4	.25 ea.	BZ	Boiler Plate.....	4	6 for .50	EC	Giant Axle—29 in. long		
P14	Worm Gear.....	3	.20 ea.	U	Boiler Top.....	4	.20 ea.	CA	Signal Arm.....	1	.10 ea.		5-16 in. diam.....	2	.50 e
P15	Coupling.....	2	.10 ea.	V	Short Boiler.....	4	.15 ea.	CB	Wrench.....	4	.05 ea.	ED	Three Drum Hoist.....	4	3.50 ea.
P17	Red Wheel—large.....	3	.10 ea.	W	Stack.....	4	.05 ea.	CC	Cab Top B (with large hole).....	4	.25 ea.	EE	Double Angle Bracket.....	2	.05 ea.
P20	Five Hole Strip—formed.....	2	.05 ea.	X	Digger Scoop.....	4	.75 ea.	CD	"A" (without large hole).....	4	.25 ea.	EF	Brush for P58 Motor.....	2	.05 ea.
P22	Slotted Strip.....	2	.01 ea.	Y	(Discontinued—See B. M.)			CE	(Discontinued—see R)			EG	Brush Spring for P58 Motor.....	2	.05 ea.
P24	Crank.....	2	.10 ea.	Z	Flanged Wheel.....	3	.15 ea.	CF	Brass Brush.....	2	2 for .05	EH	Gear Box Bracket.....	2	.05 ea.
P33	Small Screw Driver.....	4	.05 ea.	AA	Eccentric Crank.....	2	.10 ea.	CG	Miniature Light Bulb.....	2	.10 ea.	EI	Standard Gear Bx Side Pl.4.....		.15 ea.
P34	Hank of String.....	1	.05 ea.	AB	One Hole Coupling.....	2	.15 ea.	CH	Right Angle.....	2	.10 doz.	EJ	Gear Box Base.....	6	.20 ea.
P37	Collar.....	2	.25 doz.	AC	Universal Bracket.....	2	.10 ea.	CI	Large Brass Segment.....	3	3 for .10	EK	Plain Drum.....	3	.25 ea.
P38	3-hole Strip.....	2	.05 doz.	AD	Hub Coupling.....	2	.25 ea.	CJ	36 Tooth Gear.....	3	.20 ea.	EL	Brake Drum.....	3	.25 ea.
P39	Wood Screw.....	2	.15 doz.	AE	Spiral Spring.....	1	.05 ea.	CK	Coil Magnet Wire.....	2	.25 ea.	EM	Universal Car Truck.....	2	.05 ea.
P40	Screw Eye.....	2	.20 doz.	AF	Small Hook.....	2	.15 doz.	CL	Small Rubber Tire.....	1	.10 ea.	EN	¼ in. Special Pulley.....	3	.10 ea.
P48	Mitre Gear.....	3	.20 ea.	AG	Large Hook.....	2	.25 doz.	CM	Fibre Disc with Hub.....	3	.10 ea.	EO	6 in. Dup. Flat Base Plate.....	6	.15 ea.
P49	18 Tooth Gear.....	3	.15 ea.	AH	Small Triangle.....	2	.25 doz.	CN	Brass Segment (small).....	2	2 for .05	EP	Flat Pulley.....	3	.10 ea.
P50	72-Tooth Gear.....	3	.30 ea.	AI	Large Triangle.....	2	.05 ea.	CO	Miniature Socket.....	2	.15 ea.	ES	Small Red Wheel.....	3	.10 ea.
P52	Ladder Chain (22 in. lgt).....	1	.15 ft.	AJ	Paper Erector Flag.....	1	3 for .05	CQ	Fibre Washer.....	2	.10 doz.	EU	3 in. Dup. Flat Base Plate.....	6	.10 ea.
P52A	Ladder Chain (10 ft. lgt).....	1	.15 ft.	AK	Pile Driver Weight.....	1	.25 ea.	CP	Slot Coupling.....	2	.15 ea.	EW	12 in. Duplex F. B. Plate.....	6	.50 ea.
P54	Motor.....	6	2.00 ea.	AL	Collar formed one side.....	2	.10 doz.	CR	Spec. Tur. Plate with Hub.....	5	.15 ea.	EX	Big Channel Girder 12 in.....	1	6 for .50
P56G	Motor.....	6	5.00 ea.	AM	Special Pulley—Metal.....	3	.05 ea.	CS	Wheel Segment.....	1	.15 ea.	EY	Big Channel Girder 6 in.....	1	.05 ea.
P57	Motor.....	6	7.50 ea.	AN	Pointer.....	1	.10 ea.	CT	Large Flanged Wheel.....	3	.25 ea.	EZ	6 in. Curved B. C. Girder.....	1	.05 ea.
P37A	2 in. Axle.....	2	.02 ea.	AQ	Sheave Pulley.....	3	.05 ea.	CU	Bell.....	1	.10 ea.	FA	1¼ in. x 8-32 Screw.....	2	.20 doz.
P37D	6 in. Axle.....	2	.06 ea.	AR	8 Hole Strip.....	2	.10 doz.	CV	(Discontinued)			FB	Cam.....	3	.15 ea.
P37E	8 in. Axle.....	2	.08 ea.	AS	3 in. Axle Rod.....	2	.03 ea.	CW	(Discontinued)			FC	Machine Frame Right.....	6	.25 ea.
P37F	12 in. Axle.....	2	.12 ea.	AT	4 in. Axle Rod.....	2	.04 ea.	CX	1 in. Axle Rod.....	2	.01 ea.	FD	Hinged Loop.....	2	2 for .05
P58	Motor.....	6	1.25 ea.	AU	Mast Step.....	1	.10 ea.	CY	5 in. Axle Rod.....	2	.05 ea.				
P59	Reverse Base.....	6	.75 ea.	AV	7 Hole Strip Bracket.....	2	2 for .05	CZ	7 in. Axle Rod.....	2	.07 ea.				
P60C	Transformers.....	6	3.50 ea.	AW	Foot Block.....	2	.15 ea.	DA	10 in. Axle Rod.....	2	.10 ea.	FJ	Rack.....	3	.25 ea.
P65	Disc Clutch Pow. Hoist.....	6	15.00 ea.	AX	19¼ in. Axle Rod.....	2	.20 ea.	DB	Motor Pulley.....	3	.10 ea.	FK	Machine Frame Left.....	6	.25 ea.
P79	Car Truck.....	2	.05 ea.	AY	Bull Ring.....	5	.50 ea.	DC	Propeller Blade.....	1	2 for .10	FL	Helical Gear.....	3	.25 ea.
P1133	Terminal Nut 4-40.....	2	.10 doz.	AZ	Bull Wheel Plate.....	5	.25 ea.	DD	Hood & Radiator.....	5	.75 ea.	FM	Cone Pulley.....	3	.50 ea.
S-3	¾ in. x 4-40 Terminal Screw.....	2	.12 doz.	BA	B. W. Cntr (with Hub) 3 & 5.....	5	.25 ea.	DE	Steering Column.....	5	.10 ea.	FN	Small Spiral Spring.....	1	2 for .05
S-11	Set Screw.....	2	.05 doz.	BB	Segment Plate.....	2	.15 ea.	DF	Tie Rod.....	5	.10 ea.	FO	Double Angle Base Plate.....	6	.05 ea.
S-14	¼ in. x 6-32 Screw.....	2	.05 doz.	B2	Wood Handle Screw Driver.....	4	.15 ea.	DG	Drag Link.....	5	.05 ea.	FP	Small Disc Wheel.....	3	.10 ea.
S-51	¼ in. x 8-32 Screw.....	2	.10 doz.	BC	Left Fender.....	5	.35 ea.	DH	Steering Knuckle.....	5	.15 ea.	FQ	Double Angle Bracket.....	2	.35 doz.
S-57	1¾ in. x 8-32 Screw.....	2	.20 doz.	BD	Right Fender.....	5	.35 ea.	DI	Front Axle.....	5	.10 ea.				
S-62	¾ in. x 8-32 Screw.....	2	.15 doz.	BE	6 in. Slotted Angle Strip.....	1	.50 doz.	DJ	Rear Axle.....	5	.15 ea.				
A	2½ in. Girder.....	1	.20 doz.	BF	Ratchet.....	1	.10 ea.	DK	Flat Spring.....	5	.10 ea.				
B	5 in. Girder.....	1	.35 doz.	BG	Truck Body.....	5	1.00 ea.	DL	Bumper.....	5	.15 ea.				
C	10 in. Girder.....	1	.50 doz.	BH	Solid Collar.....	2	2 for .05	DM	Disc Wheel.....	3	.25 ea.				
D	2½ in. Curved Girder.....	1	.25 doz.	BI	6 in. Flat Beam Girder.....	1	6 for .50	DN	Bearing Right Angle.....	2	2 for .05				
E	5 in. Curved Girder.....	1	.40 doz.	BJ	12 in. Flat Beam Girder.....	1	6 for .75	DO	Steering Wheel with Hub.....	3	.15 ea.				
F	5 Hole Strip.....	2	.10 doz.	BK	8-32 Wing Nut.....	2	.25 doz.	DP	12 in. Slotted Angle Strip.....	1	6 for .50				
G	7 Hole Strip.....	2	.10 doz.	BL	Small Washer.....	2	.05 doz.	DQ	Special Large Base Plate						
H	11 Hole Strip.....	2	.15 doz.	BM	Clam Shell Scoop (new).....	4	2.50 ea.		(28 holes).....	6	.50 ea.				
I	21 Hole Strip.....	2	.20 doz.	BN	Regular Turret Plate.....	5	.15 ea.	DR	Large Rubber Tire.....	3	.15 ea.				
J	41 Hole Strip.....	2	.30 doz.	BO	Reverse Switch Attachment.....	2	.50 ea.	DS	Cotter Pin.....	1	.05 doz.				
K	11 Hole Strip Bracket.....	2	.35 doz.	BP	Resistance Wire (not illustrated).....	4	2.50 ea.	DT	1-hole Set Screw Coupling.....	2	2 for .15				
L	21 Hole Strip Bracket.....	2	.05 ea.	BR	Open Slot Angle.....	2	.25 doz.	DU	¼ in. Diam. Axle 8½ in.....	2	2 for .25				
M	Small Double Angle.....	2	.25 doz.	BS	Porcelain Socket.....	2	.20 ea.	DV	6 in. Curved Beam Girder.....	1	6 for .75				
N	Long Double Angle.....	2	.05 ea.					DW	Attachment Plug—not illustrated.....		.15 ea.				

(Continued Next Page)

ERECTOR SEPARATE PARTS PRICES (Continued)

Trade No.	Name of Part	Page	Price
FW	Slotted Crank	2	.10 ea.
FX	Quarter Gear	3	.15 ea.
FY	Universal Ball	1	.20 ea.
FZ	Internal Gear	3	.15 ea.
GA	6x8 Duplex Flat Base Plate	6	.35 ea.
GR	Flat Belt	1	.10 ea.
GS	Eccentric	3	.10 ea.
GT	Flat Pulley with Hub	3	.10 ea.
GU	Eccentric Loop	2	.10 ea.
GV	Disc Wheel ..	3	.10 ea.
GW	Wood Wheel with Hub	3	.05 ea.
GX	8 Hole Double Angle Bracket	2	.10 doz.
GY	Metal Erector Tray	6	1.00 ea.
HA	Rear Axle Housing	5	.15 ea.
S52	½ in. x 8-32 Screw	2	.12 doz.

Trade No.	Name of Part	Page	Price
For illustrated Zeppelin parts, see Section 5A in Manual.			
HD	Gondola .....		.25 ea.
HE	Tail .....		.25 ea.
HF	Butt End Plate .....		.10 ea.
HG	Nose Cap .....		.25 ea.
HI	Gondola Strut .....		.30 doz.
HJ	Propeller .....		.10 ea.
HK	5 Inch Girder Formed .....		.50 doz.
HL	Rudder — Right .....		.10 ea.
HM	Rudder — Left .....		.10 ea.
HN	Stabilizers .....		.10 ea.
HO	Cover for Zeppelin		2.00 ea.
HP	6 Inch Ring .....		.20 ea.
HQ	Zeppelin Support Rod .....		.25 ea.
HR	Wood Screw .....		.10 doz.
HS	Propeller Rod, 3 in. ....		.05 ea.
HT	Ceiling Support .....		.30 ea.
HV	Revolving Contact Unit		1.00 ea.
HW	Ball Race .....		.20 ea.
HX	Bearing Washer		2 for .05
HY	Hub .....		.15 ea.
HZ	Stationary Contact Unit, with Cord and Plug		1.00 ea.
IA	Swivel Unit Com- pletely Assembled		2.50 ea.
IB	Propeller Rod, 2 in. ....		.04 ea.
P-61	High Speed Motor		6.00 ea.
B.A.X.	Bull Wheel Center, ¼ in. Hub25 ea.

Trade No.	Name of Part	Page	Price
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Trade No.	Name of Part	Page	Price
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REGULAR ERECTOR MANUALS

No. 1	Erector Manual25 ea.
No. 3	Erector Manual25 ea.
No. 4	Erector Manual .....	.25 ea.
No. 6	Erector Manual .....	.25 ea.
No. 7	Erector Manual .....	.25 ea.
No. 7½	Erector Manual .....	.50 ea.
No. 8	Erector Manual .....	.75 ea.
No. 9	Erector Manual .....	.75 ea.
No. 10	Erector Manual	1.00 ea.

ERECTOR ACCESSORY MANUALS

No. 3005	Erector Electrical Set Manual .....	.25 ea.
No. B	Big Girder Set Manual .....	.35 ea.
No. C	Erector Airplane Manual .....	.25 ea.



Hello boys! **FERRIS WHEEL**

Built from
No. B ERECTOR

The Ferris Wheel pictured herewith is built out of the B Erector Accessory Set. It stands 3 ft. 3½ in. high, circle is 2 ft. 11 in. in diameter. If you now own a regular Erector Set, the B Set will build this Ferris Wheel and many other interesting models out of the big channel straight and curved girders. There are over 100 big girders in this Set. If you do not own a regular Erector Set, the B Accessory Set is a complete set in itself, and will entertain you for days. There is no motor packed in this set. If you own a regular Erector Set, use the motor you have. If you do not own an Erector Set, you can give action to the models you build by securing the famous Polar Cub 110 volt motor, P56G, that operates on any house current. For those who do not have 110 volt current, the P58 standard Erector motor will operate the models in this set.

A.C. Gilbert
President,

