

**NO. 8**

**TRAIL BLAZING NO. 8  
THE SET THAT BUILDS  
THE ZEPPELIN**



Printed in U. S. A.  
M1132-28

**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,

# 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**

No. 1—No. 3—No. 4  
No. 7—No. 77  
25c Each  
SEPARATELY  
No. 7½ 50c—No. 8 75c  
No. 10 and 12 \$1.00  
No. B 35c  
No. C 25c  
No. D 25c

**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.

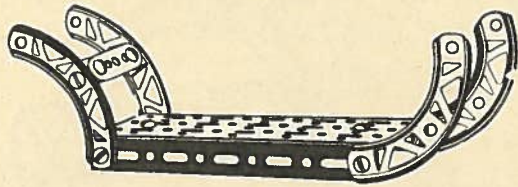
I know you are going to have lots of fun with Erector.

Your Friend,

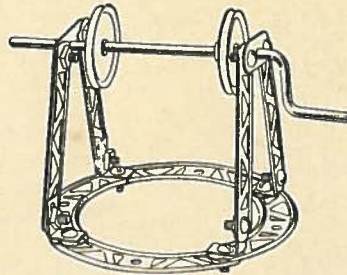
*A.C. Gilbert*

## Models Built with No. 1 Erector

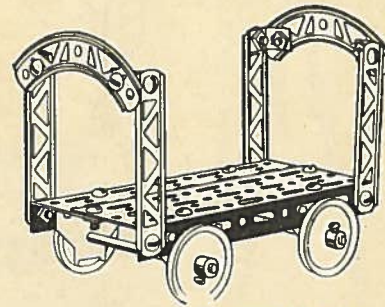
The number of models that can be built with Erector is unlimited. While we show a great many in this book, they are only indications of the large number of different varieties and the adaptability of Erector, The World's Greatest Toy. Over 300 smaller models illustrated in No. 0-000—and Special Manual.



Sled



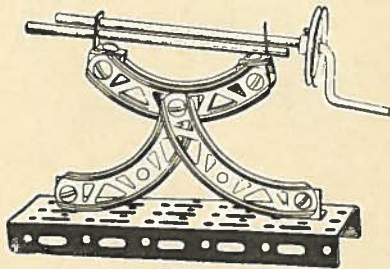
Well Windlass



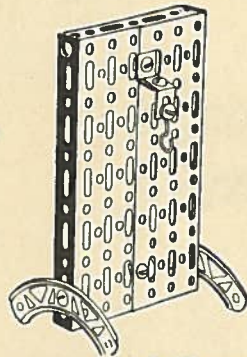
Factory Truck



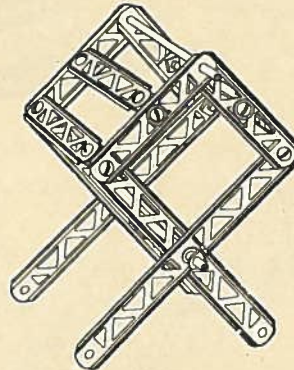
Arch



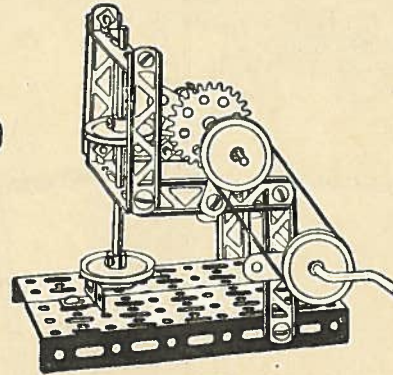
Machine Gun



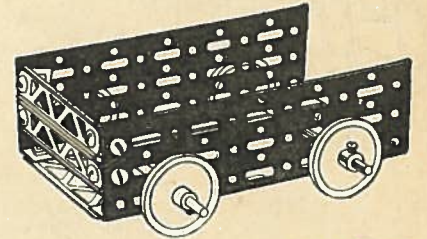
Watch Hanger



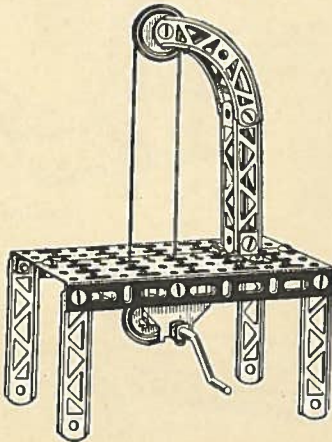
Clothes Dryer



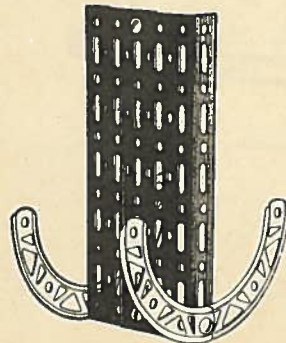
Trip Hammer



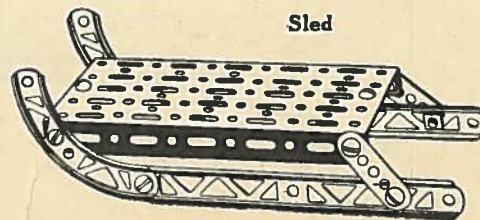
Push Truck



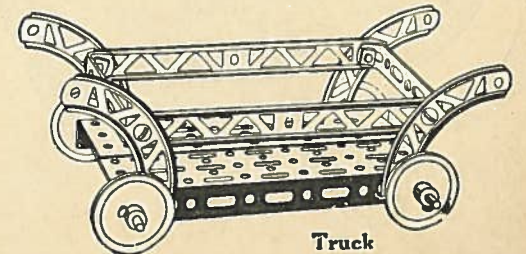
Band Saw



Rocking Sign

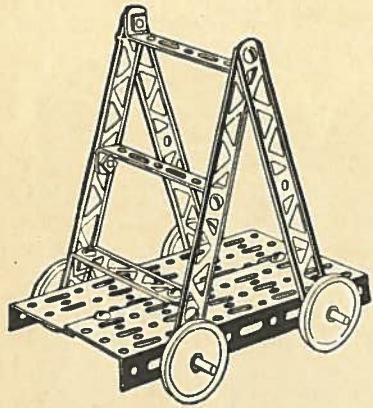


Sled

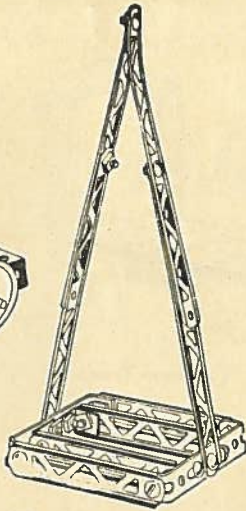


Truck

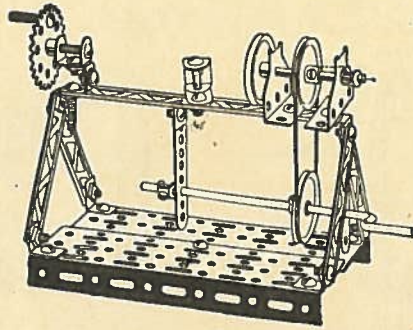
# Models Built with No. 1 Erector



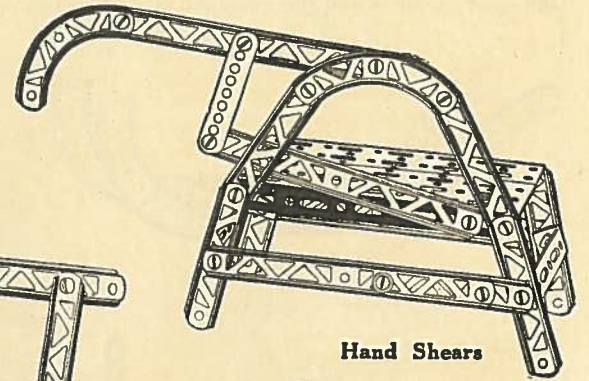
Truck Ladder



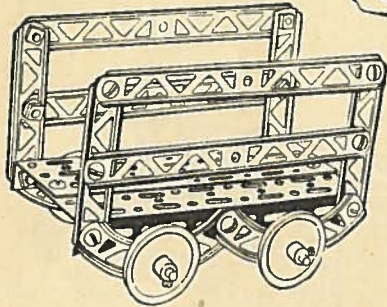
Potato Cutter



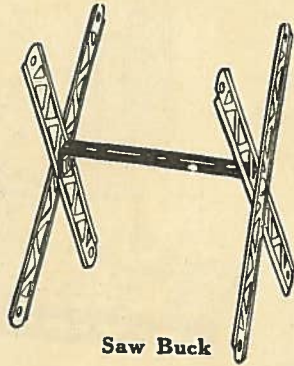
Lathe



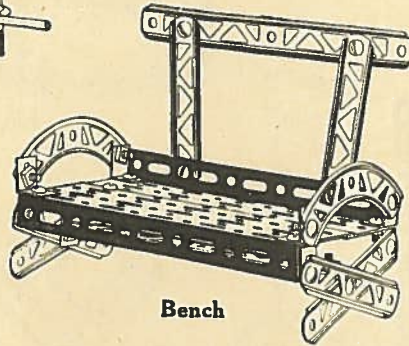
Hand Shears



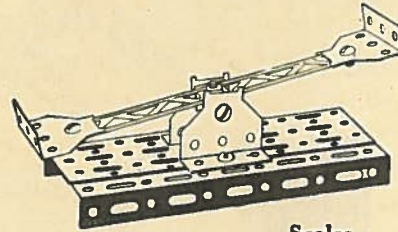
Baggage Truck



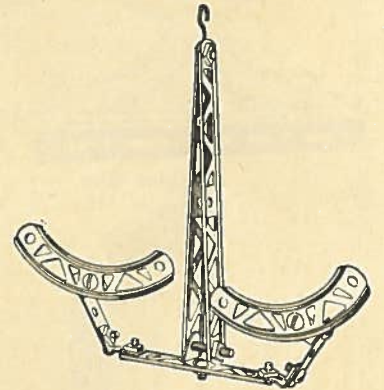
Saw Buck



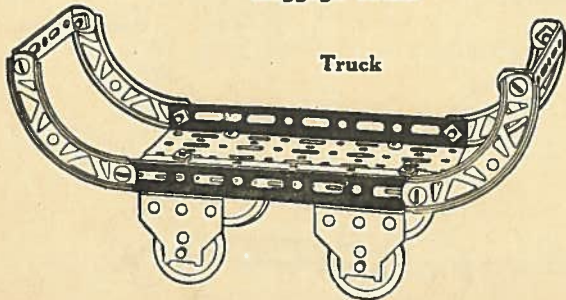
Bench



Scales



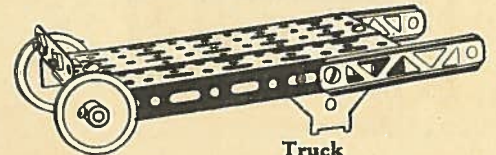
Anchor



Truck

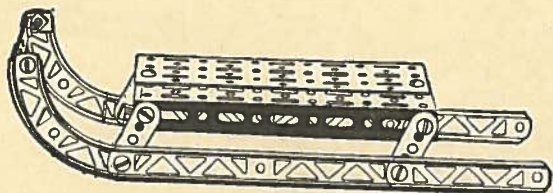


Bridge

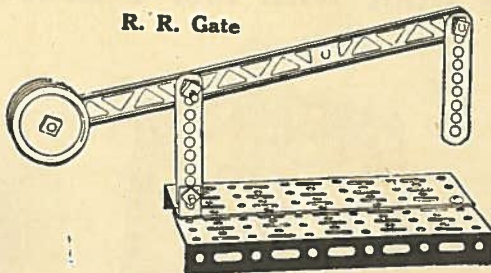


Truck

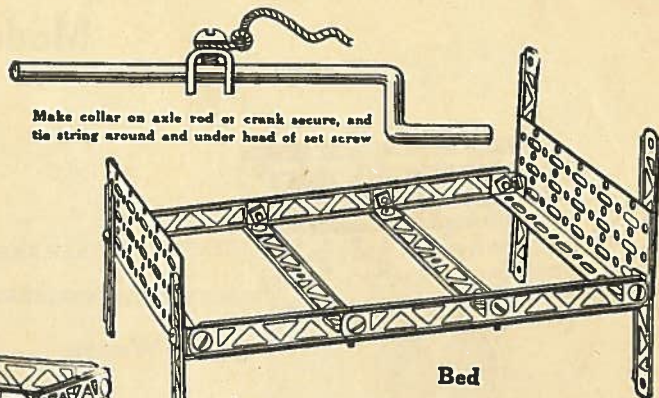
# Models Built with No. 1 Erector



Seat Sled

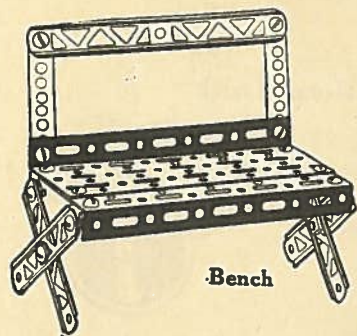


R. R. Gate



Make collar on axle rod or crank secure, and tie string around and under head of set screw

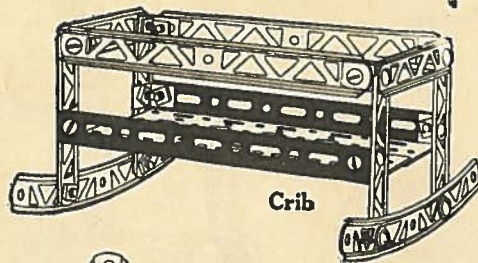
Bed



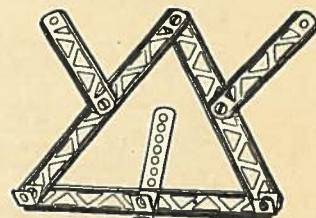
Bench



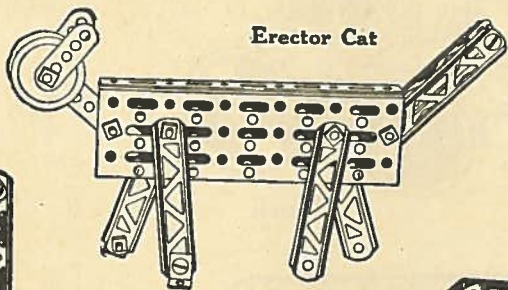
Small Bed



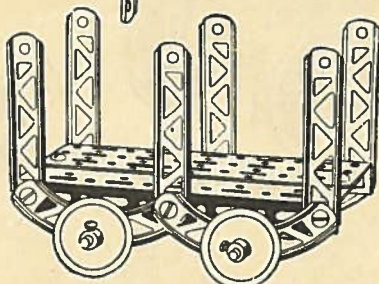
Crib



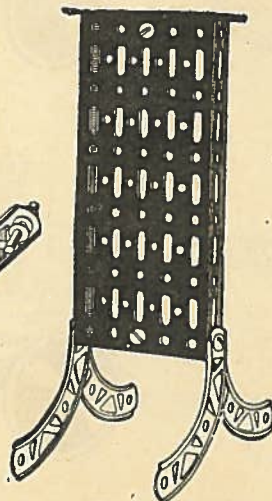
Music Stand



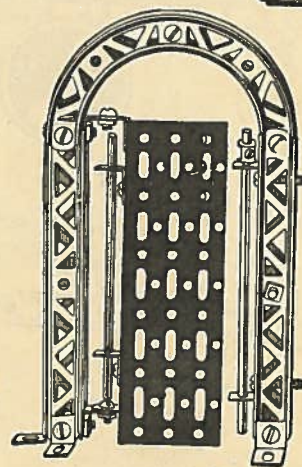
Erector Cat



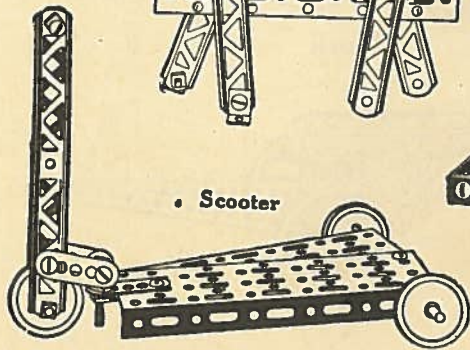
Baggage Truck



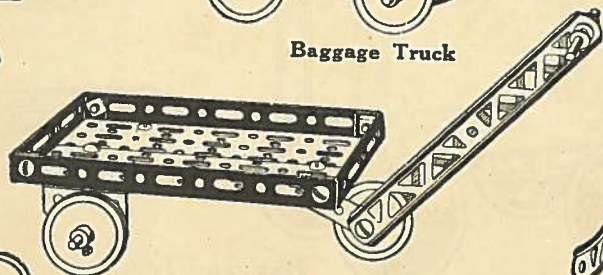
Stationary Sign



Arch Gate

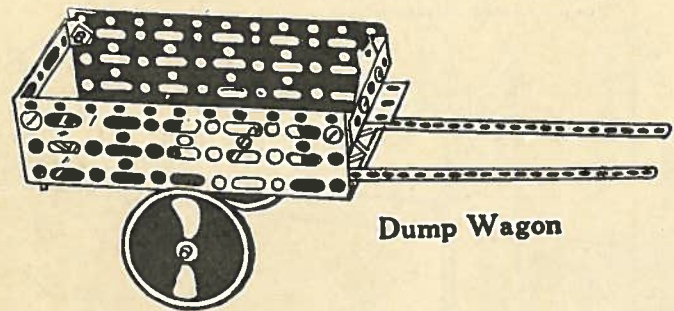


Scooter

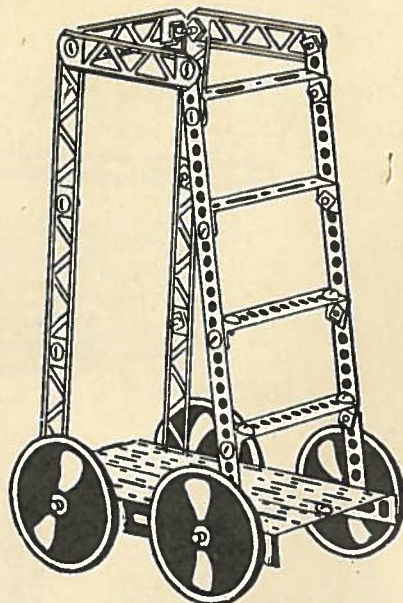


3-Wheeled Wagon

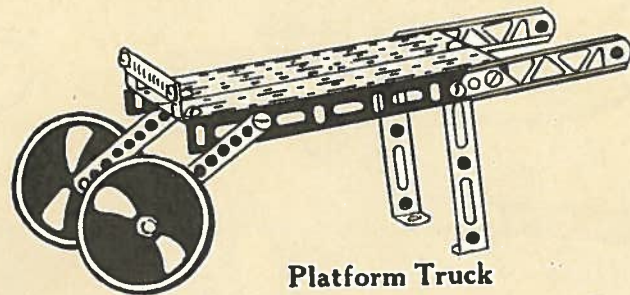
# Models Built with No. 1 Erector.



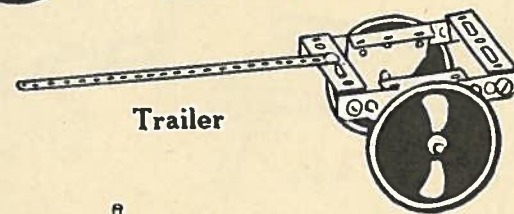
Dump Wagon



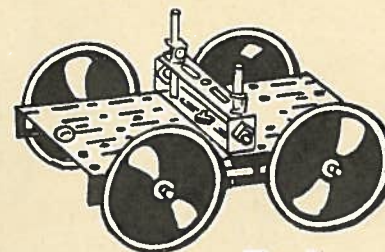
Trolley Repair Tower



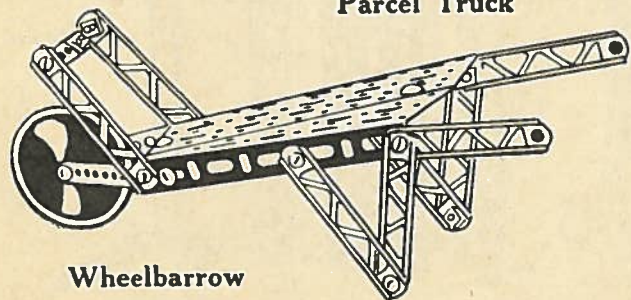
Platform Truck



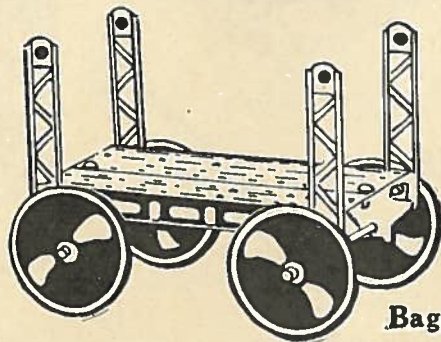
Trailer



Truck



Wheelbarrow



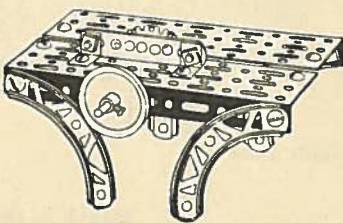
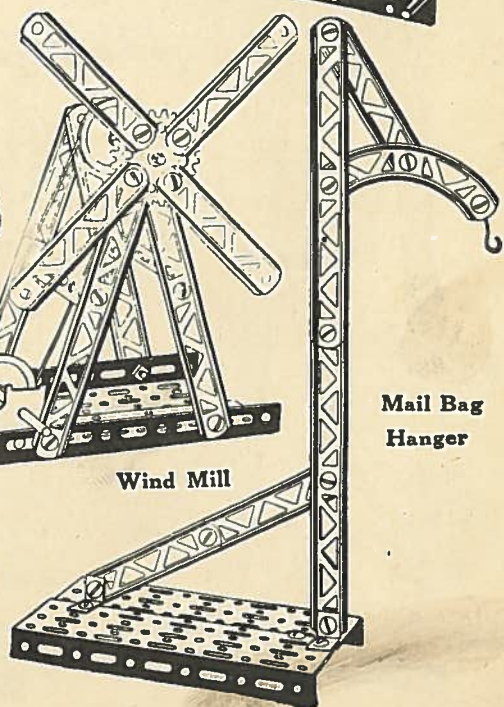
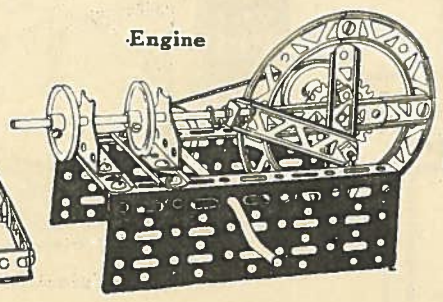
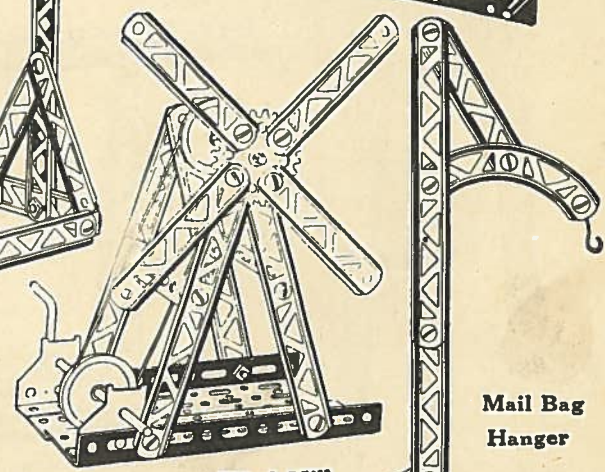
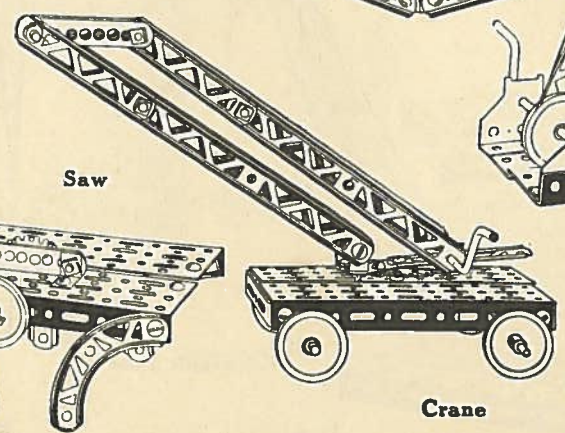
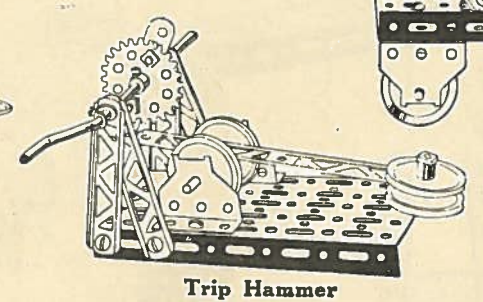
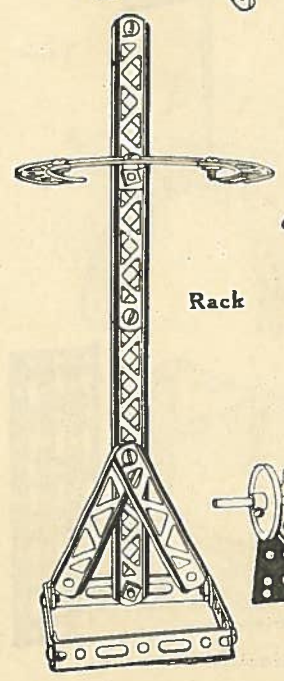
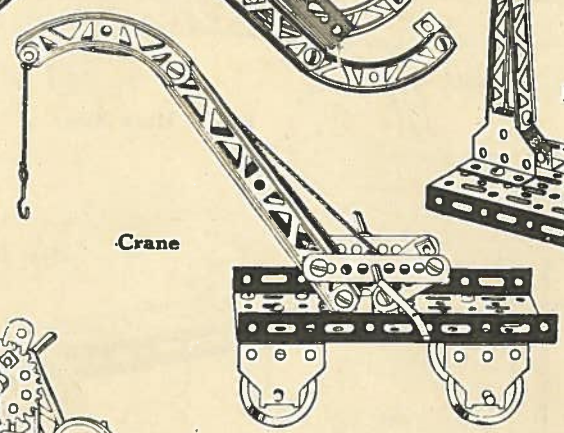
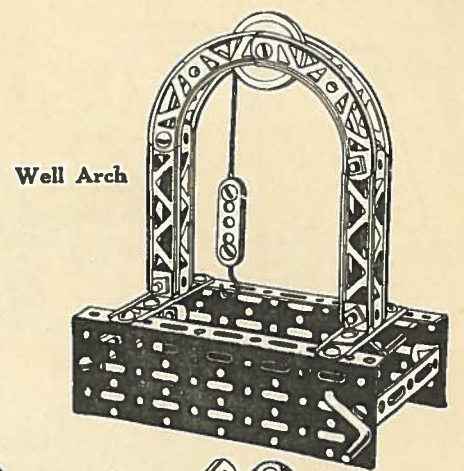
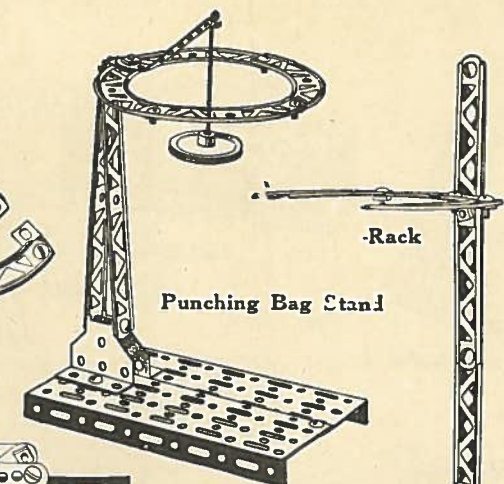
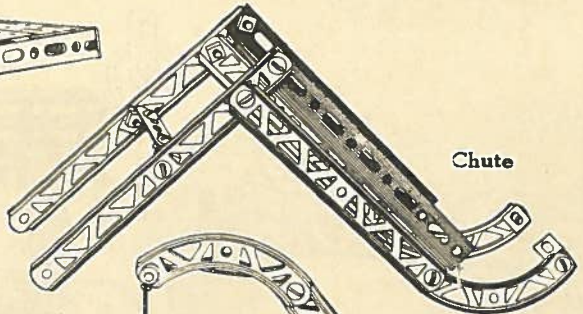
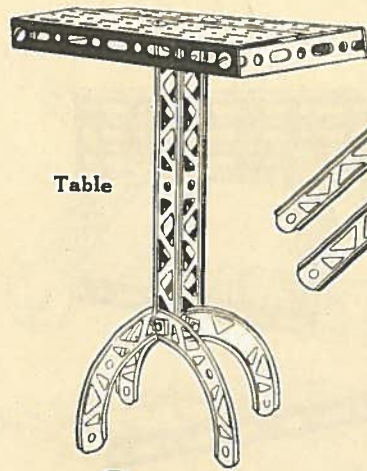
Baggage Truck



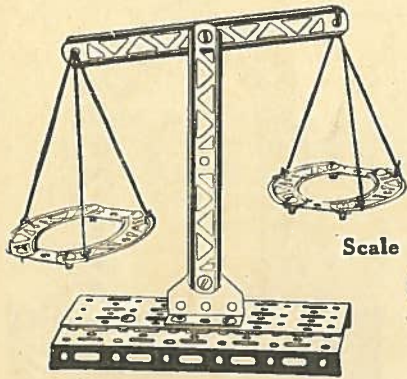
Cannon



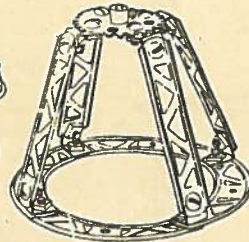
# Models Built with No. 1 Erector



# Models Built with No. 1 Erector



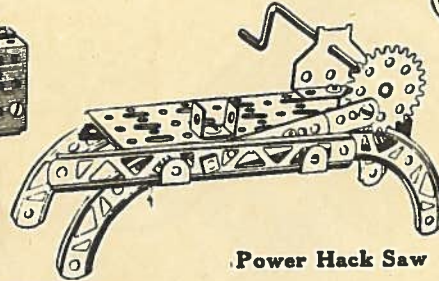
Scale



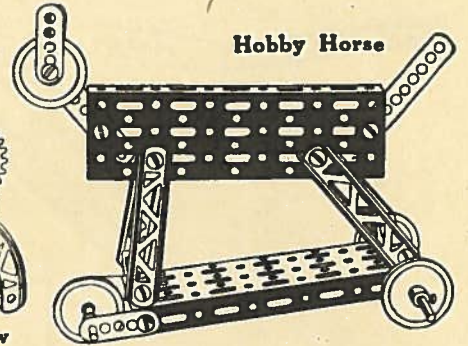
Lamp Shade



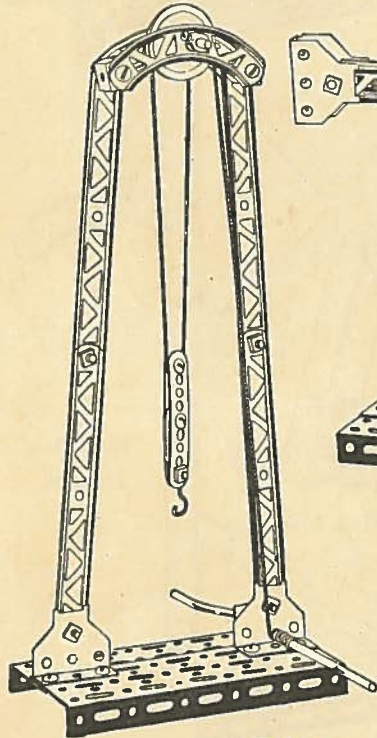
Suit Case



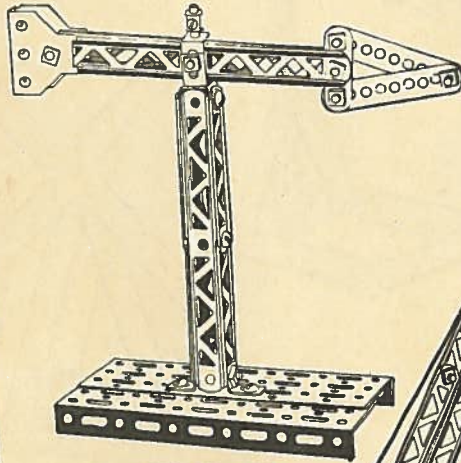
Power Hack Saw



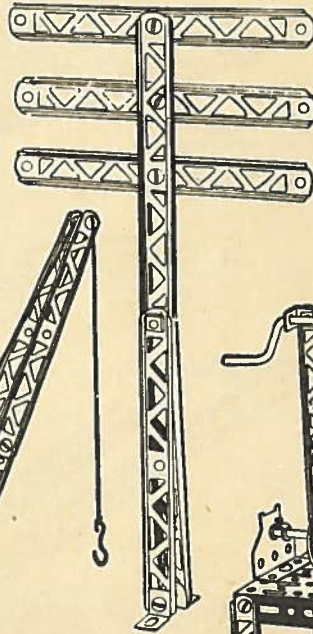
Hobby Horse



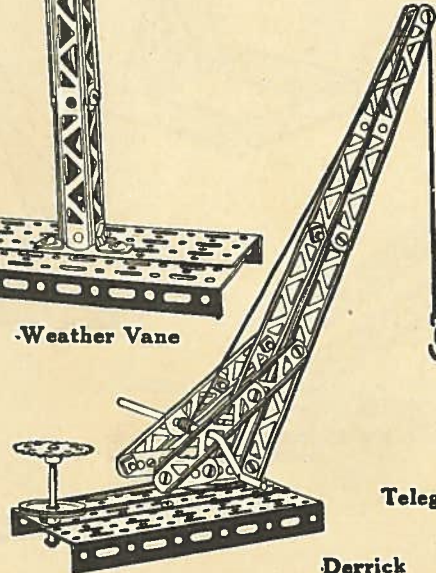
Hoist



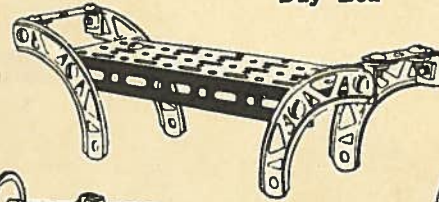
Weather Vane



Telegraph Pole



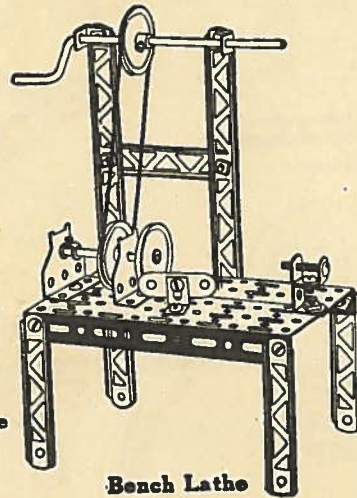
Derrick



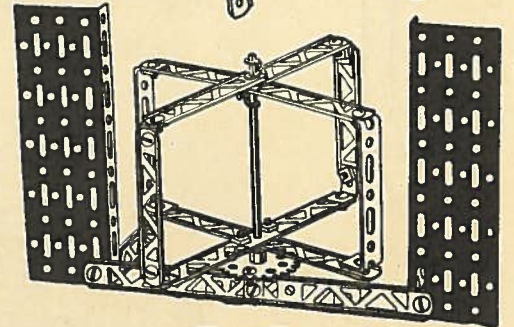
Day Bed



Table

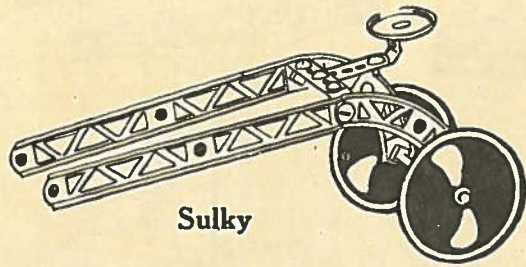


Bench Lathe

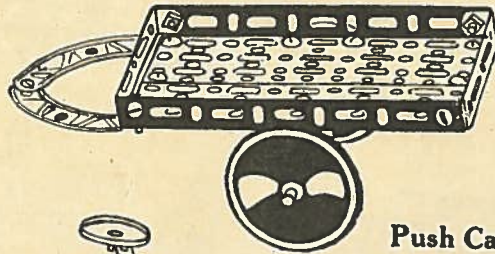


Turnstile

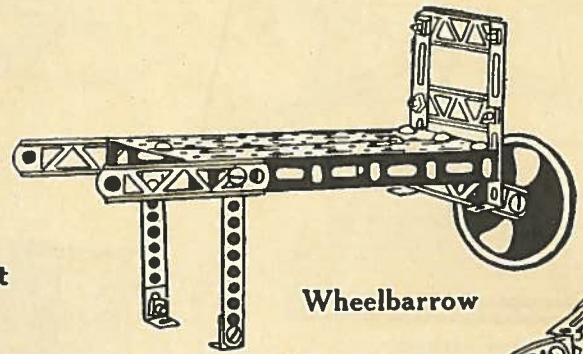
# Models Built with No. 1 Erector.



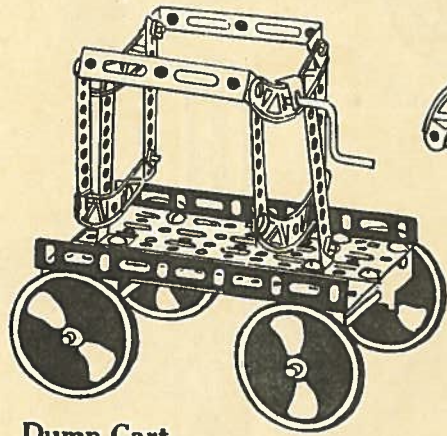
Sulky



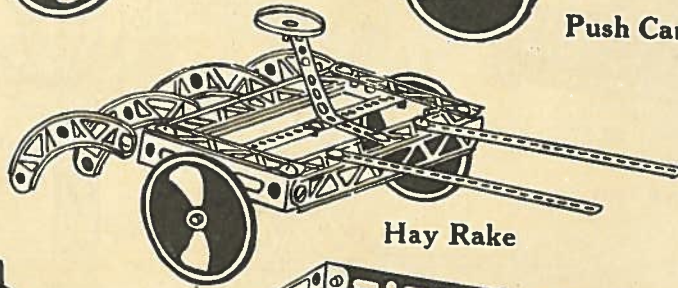
Push Cart



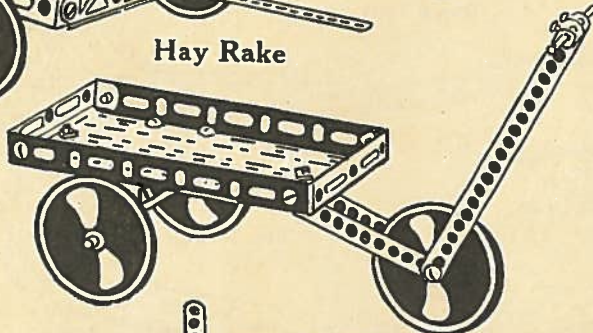
Wheelbarrow



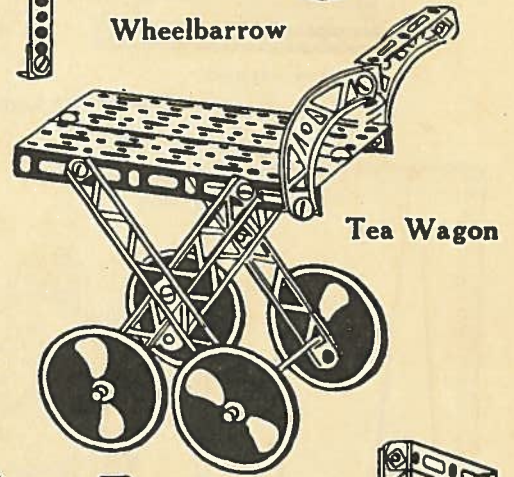
Dump Cart



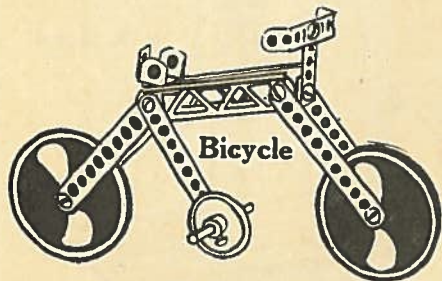
Hay Rake



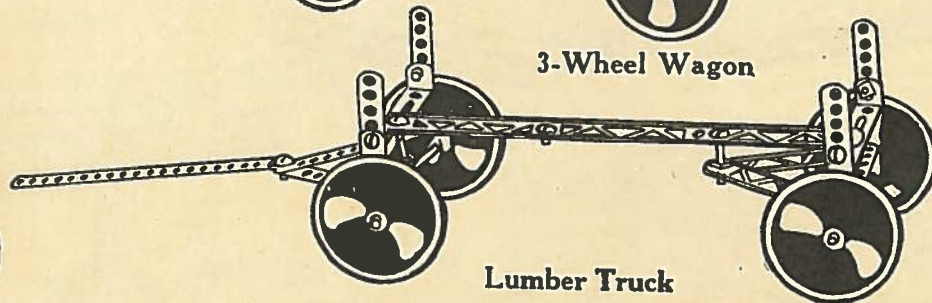
3-Wheel Wagon



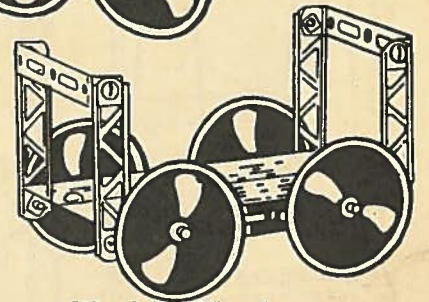
Tea Wagon



Bicycle

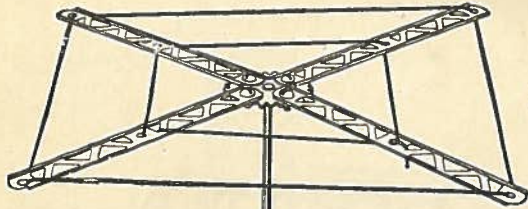


Lumber Truck

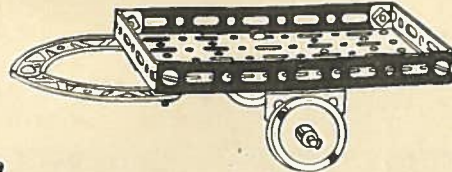


Platform Truck

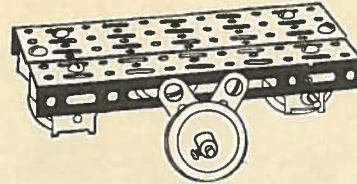
# Models Built with No. 1 Erector



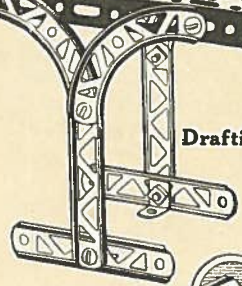
Clothes Hanger



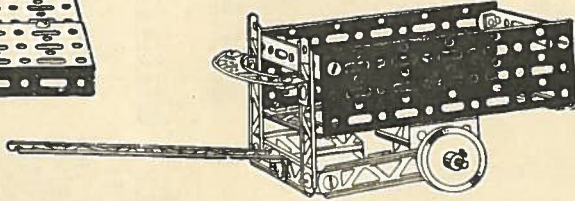
Push Cart



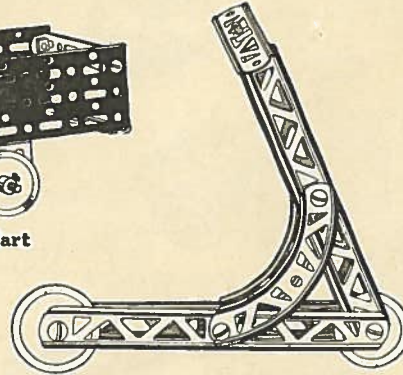
Truck



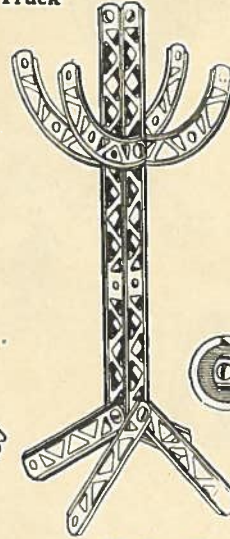
Drafting Table



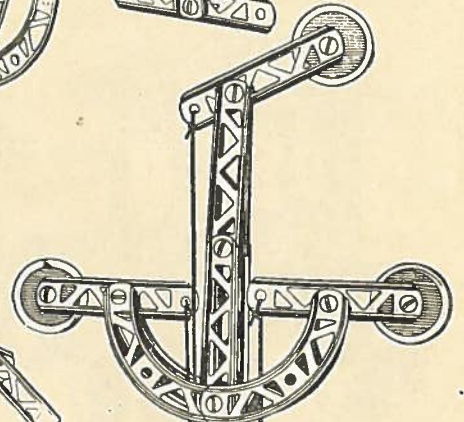
Dump Cart



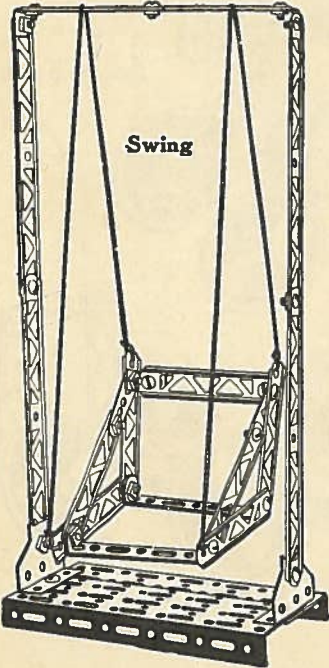
Scooter



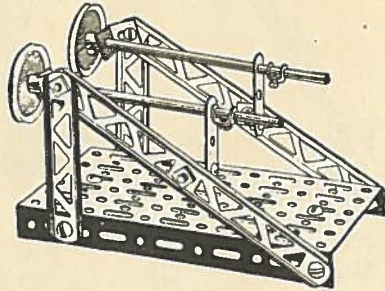
Clothes Tree



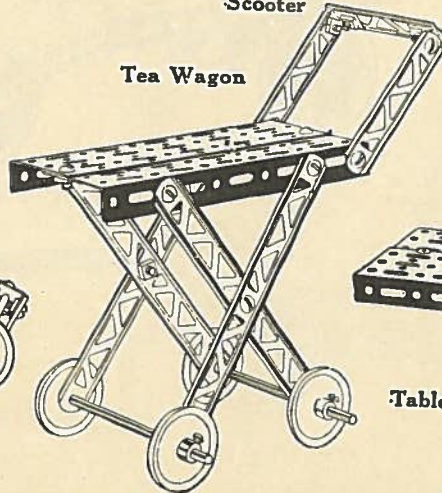
R. R. Signal



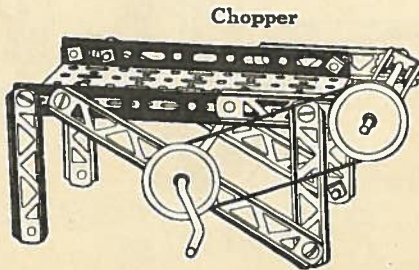
Swing



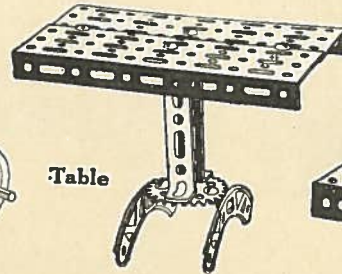
R. R. Bumper



Tea Wagon

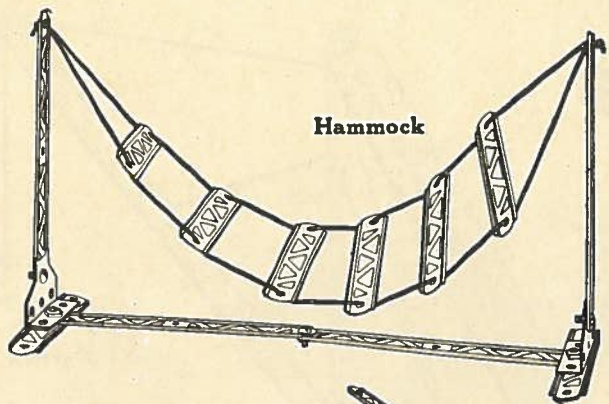


Chopper

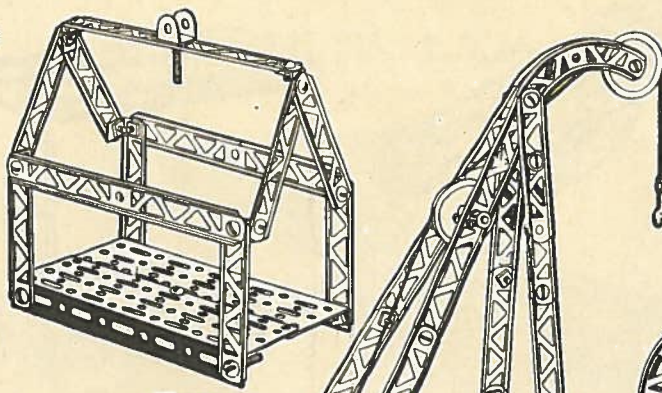


Table

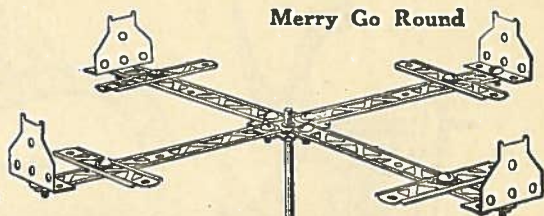
# Models Built with No. 1 Erector



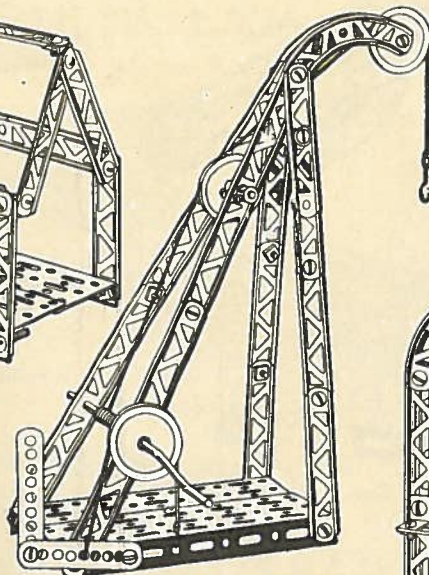
Hammock



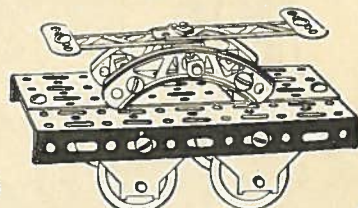
House



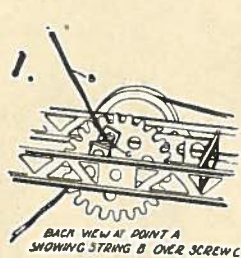
Merry Go Round



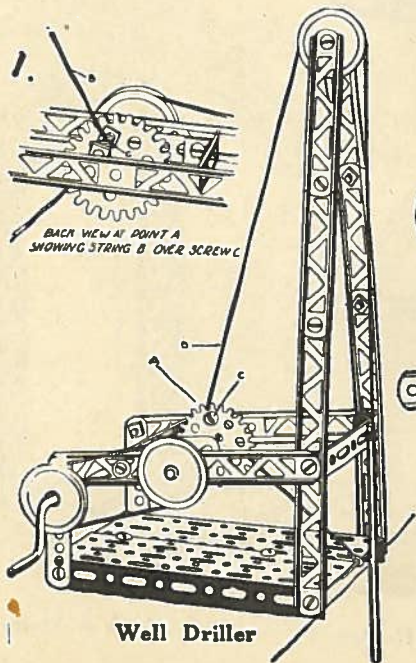
Hoist Derrick



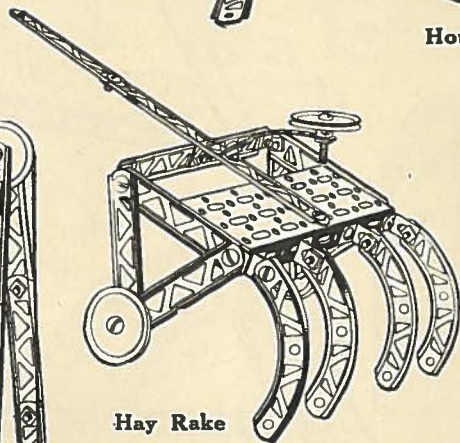
Hand Car



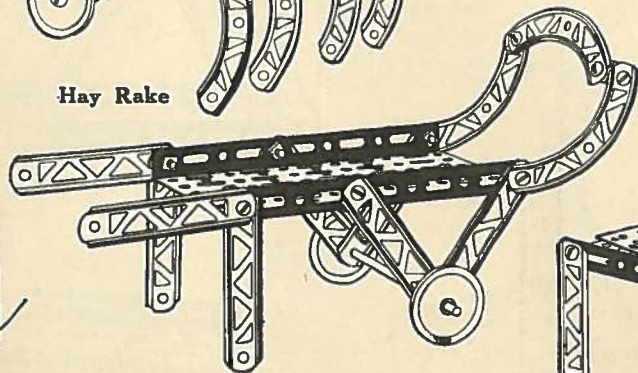
BACK VIEW AT POINT A  
SHOWING STRING & OVER SCREW C



Well Driller



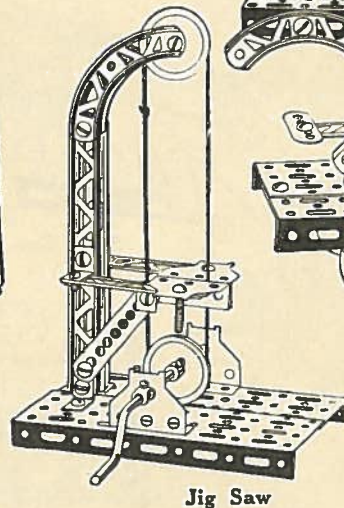
Hay Rake



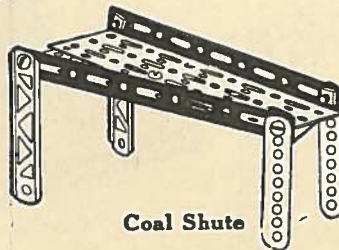
Truck



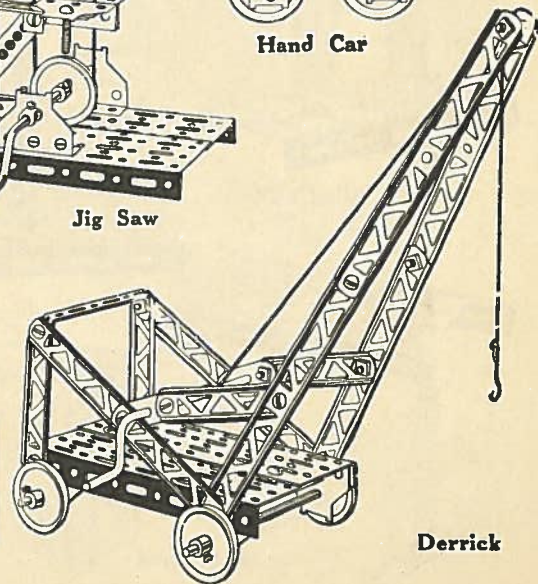
Stool



Jig Saw



Coal Shute

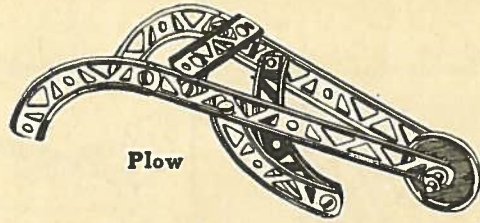


Derrick

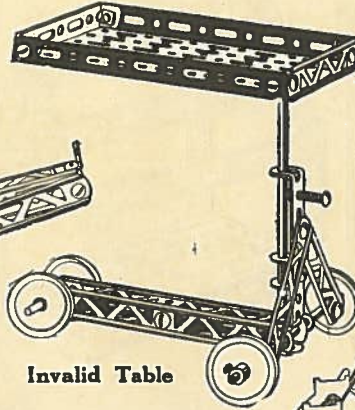
# Models Built with No. 1 Erector



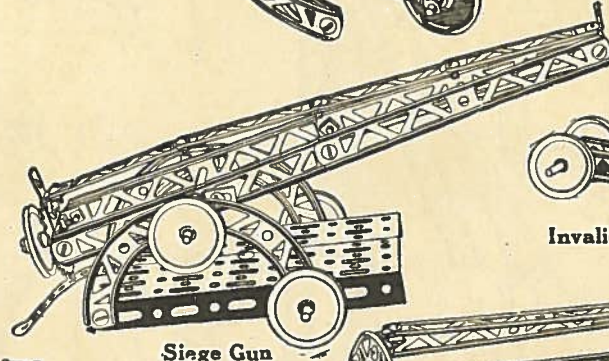
Wind Mill



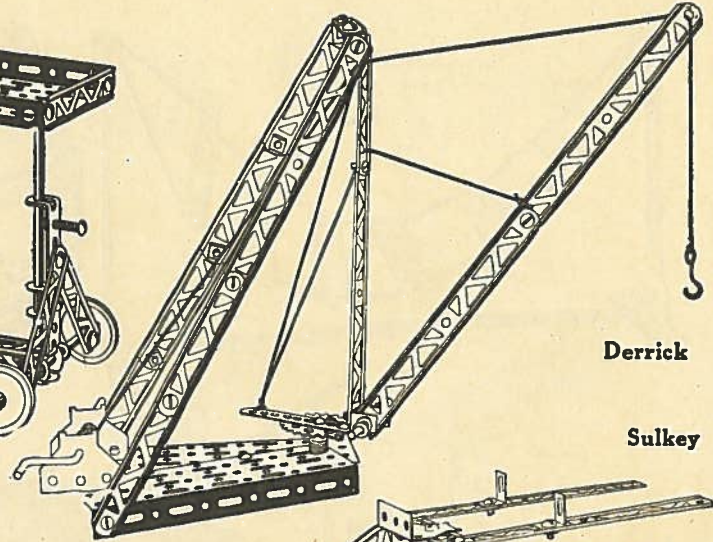
Plow



Invalid Table

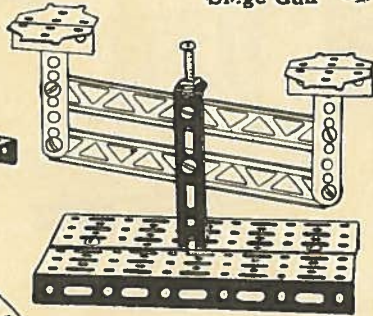


Siege Gun

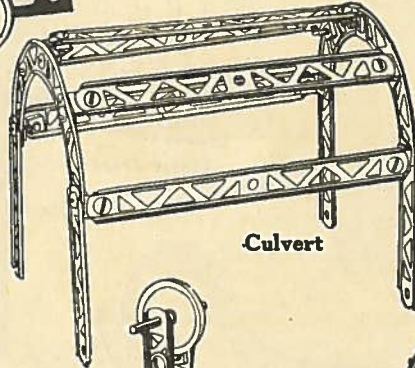


Derrick

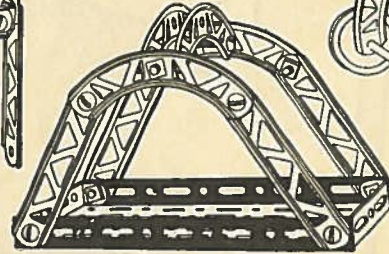
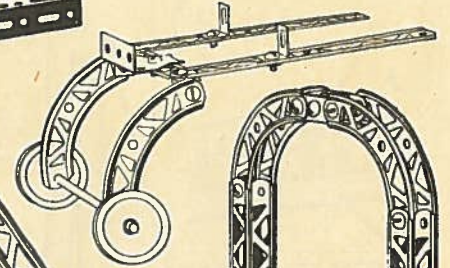
Sulkey



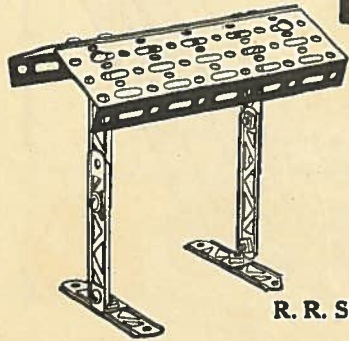
Scales



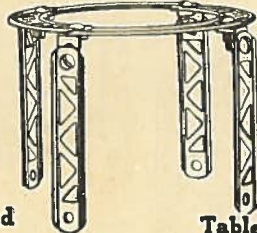
Culvert



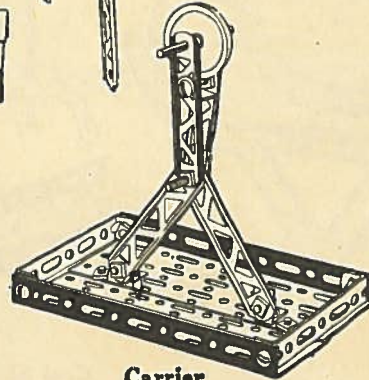
Basket



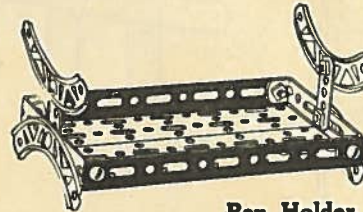
R. R. Shed



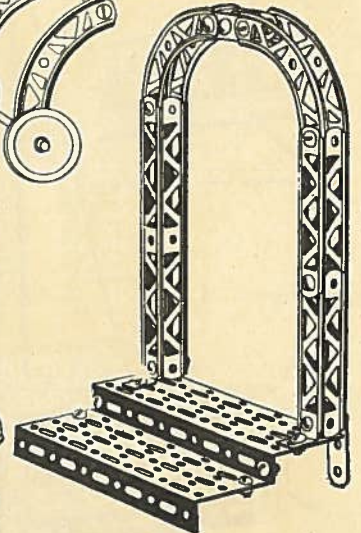
Table



Carrier

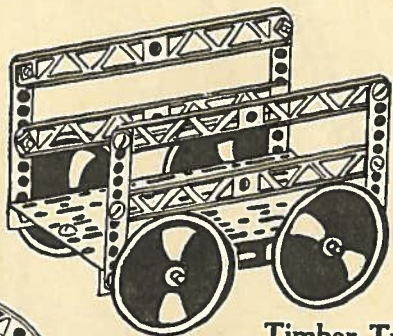


Pen Holder

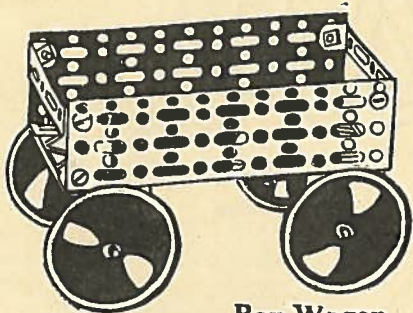


Arch & Stairs

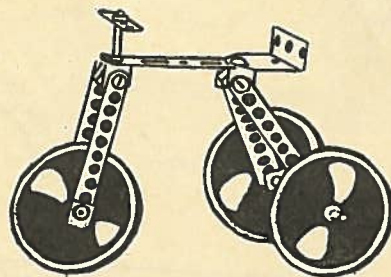
# Models Built with No. 1 Erector.



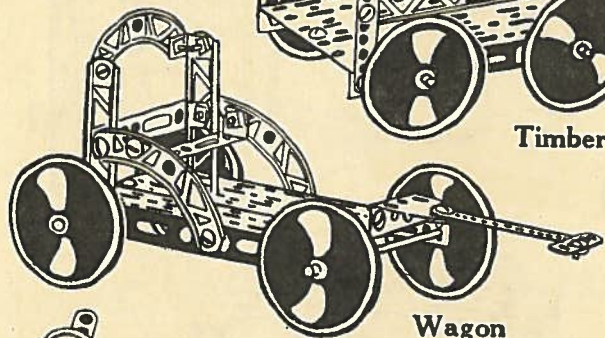
Timber Truck



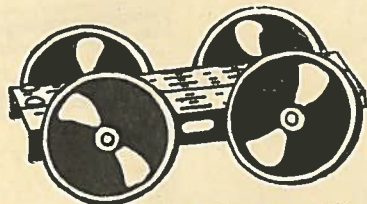
Box Wagon



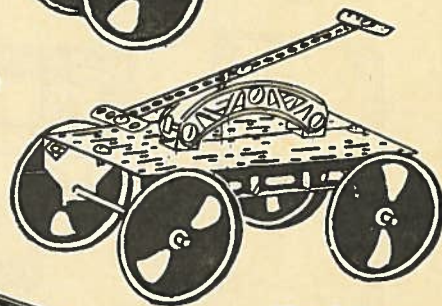
Velocipede



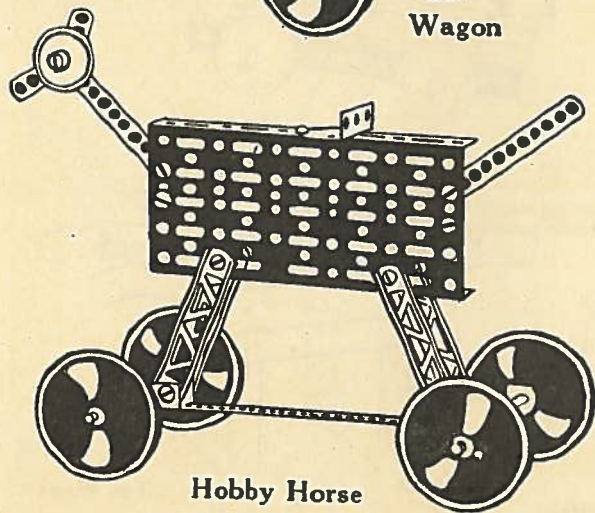
Wagon



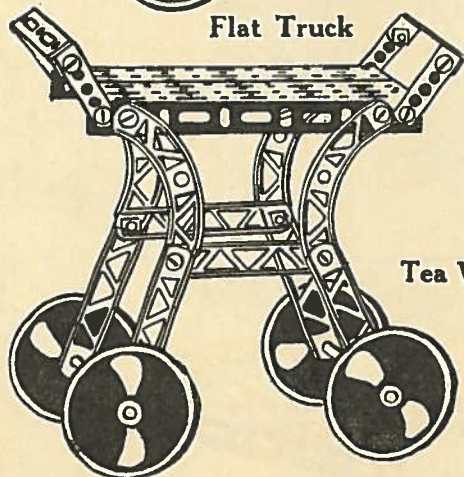
Flat Truck



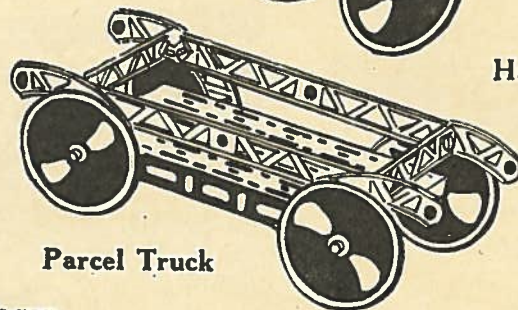
Hand Car



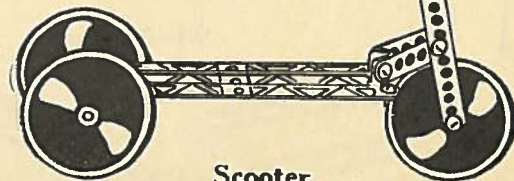
Hobby Horse



Tea Wagon

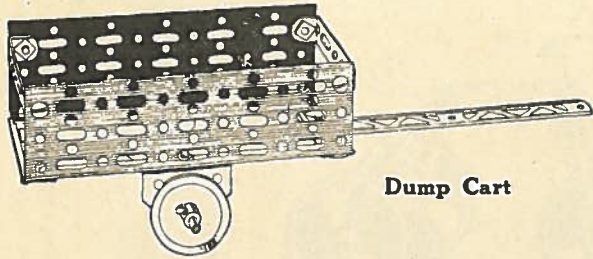


Parcel Truck

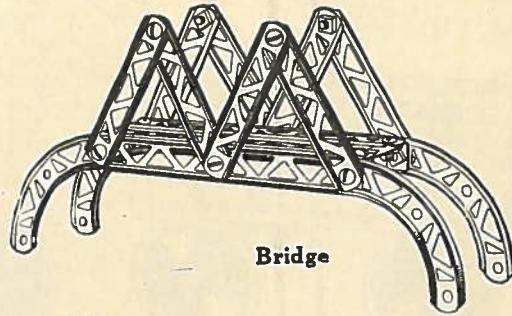


Scooter

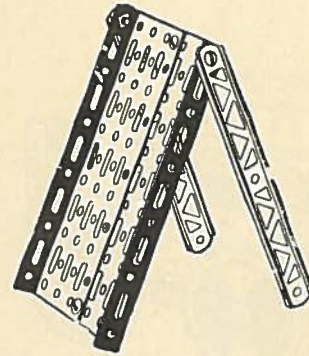
# Models Built with No. 1 Erector



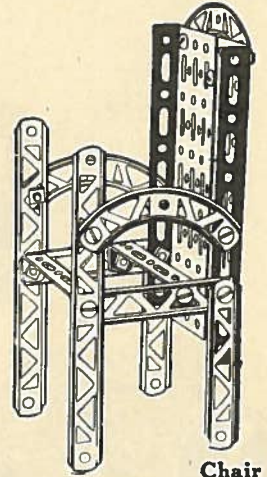
Dump Cart



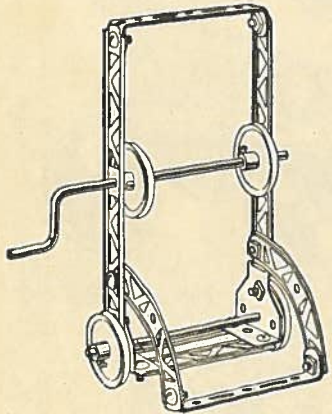
Bridge



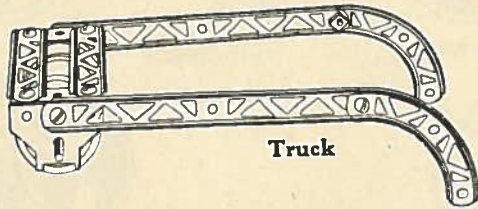
Sand Sifte.



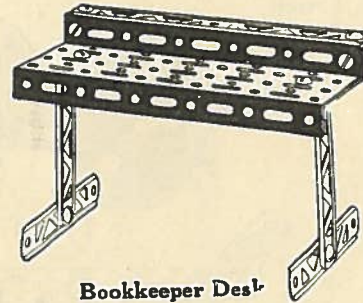
Chair



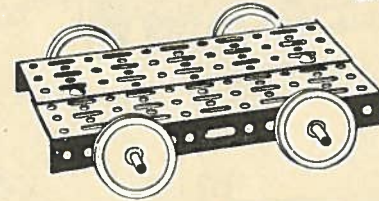
Hose Rack



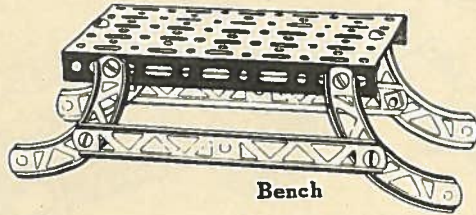
Truck



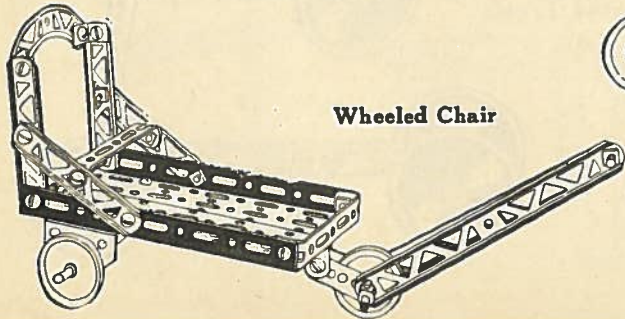
Bookkeeper Des<sup>k</sup>



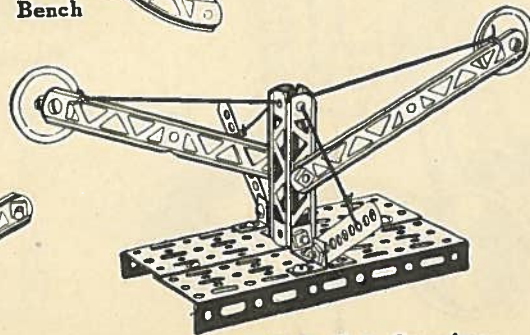
Low Truck



Bench



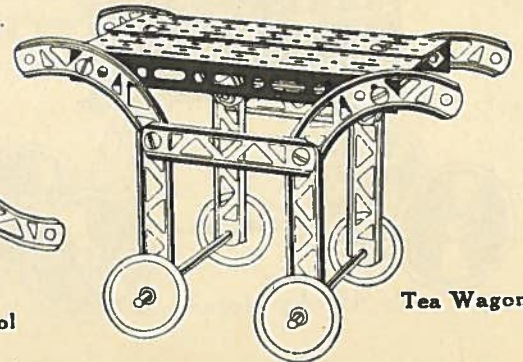
Wheeled Chair



R. R. Gate Crossing



Stool



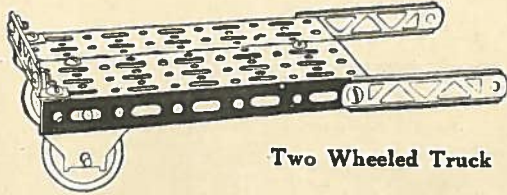
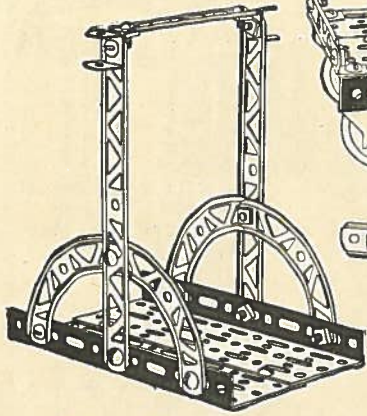
Tea Wagon



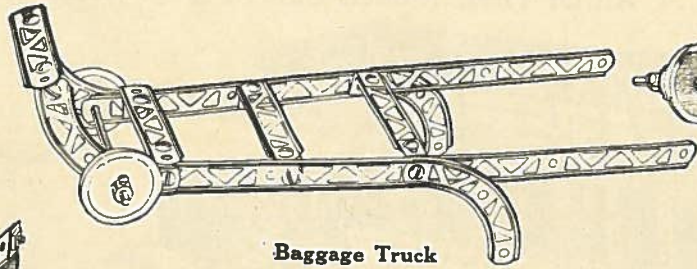
# Models Built with No. 1 Erector

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



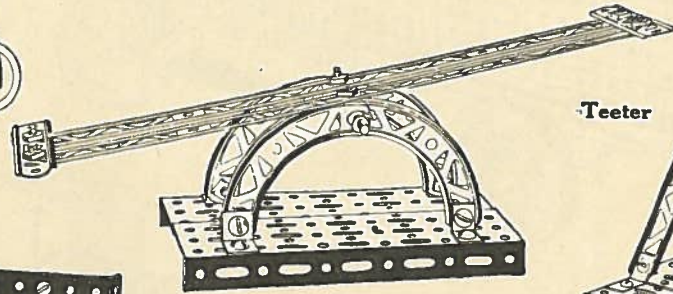
Two Wheeled Truck



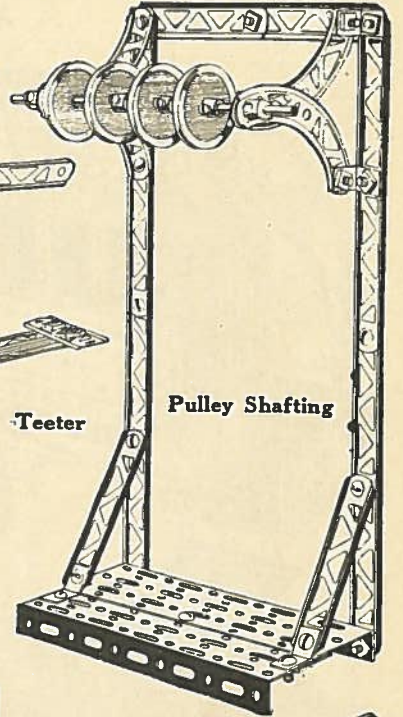
Baggage Truck



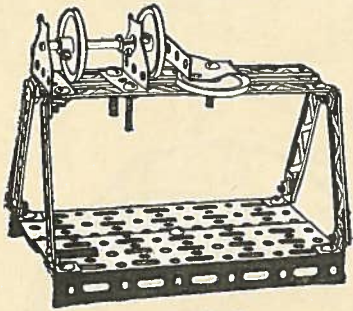
High Baggage Truck



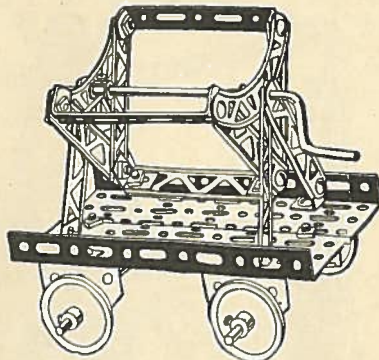
Teeter



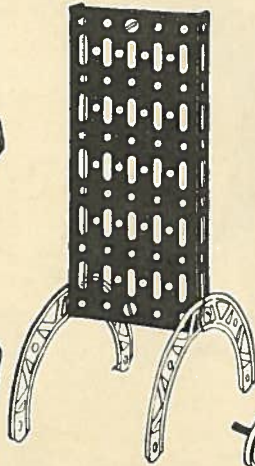
Pulley Shafting



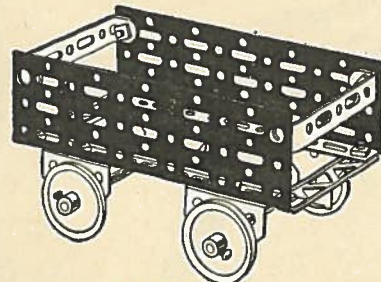
Lathe



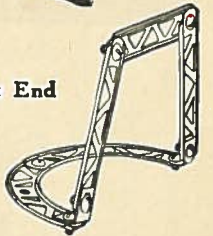
Dump Cart



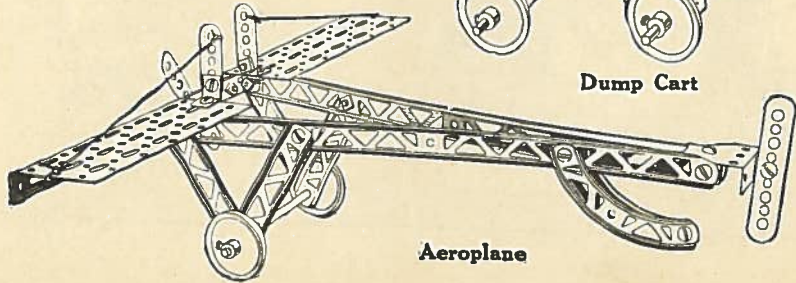
Sign



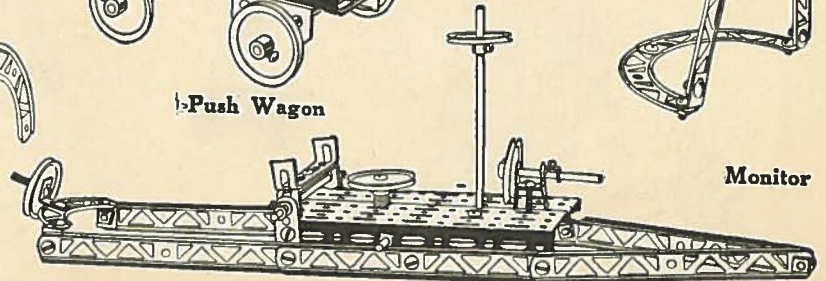
Push Wagon



Book End



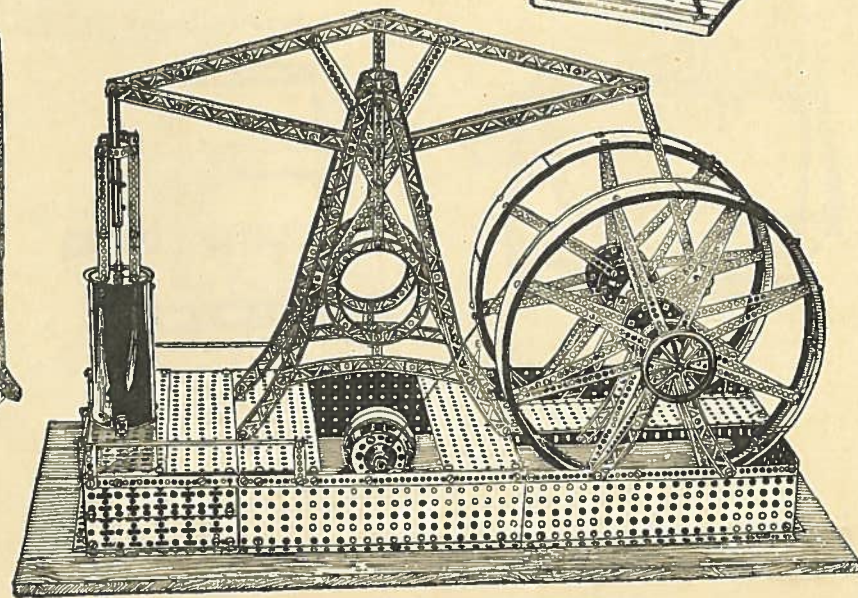
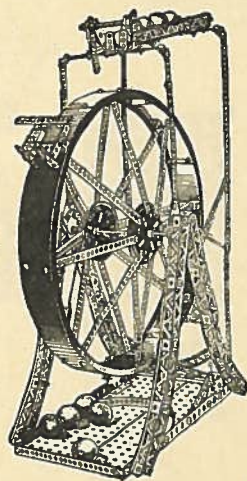
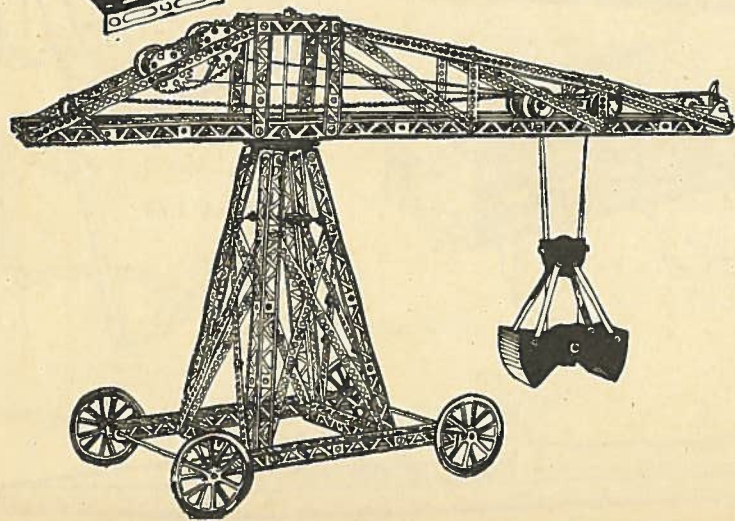
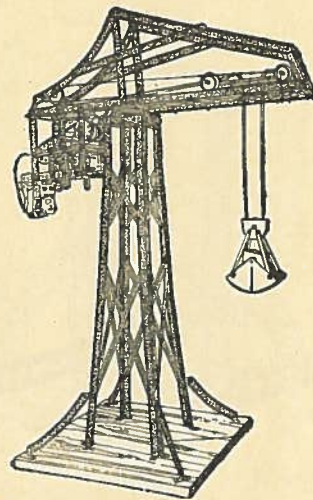
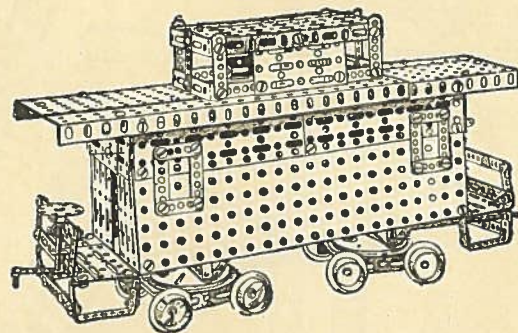
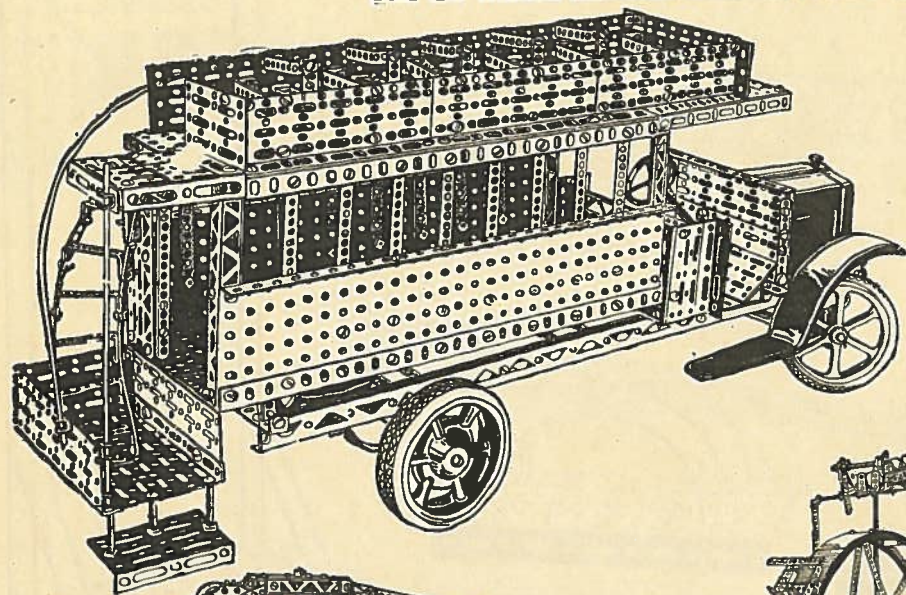
Aeroplane



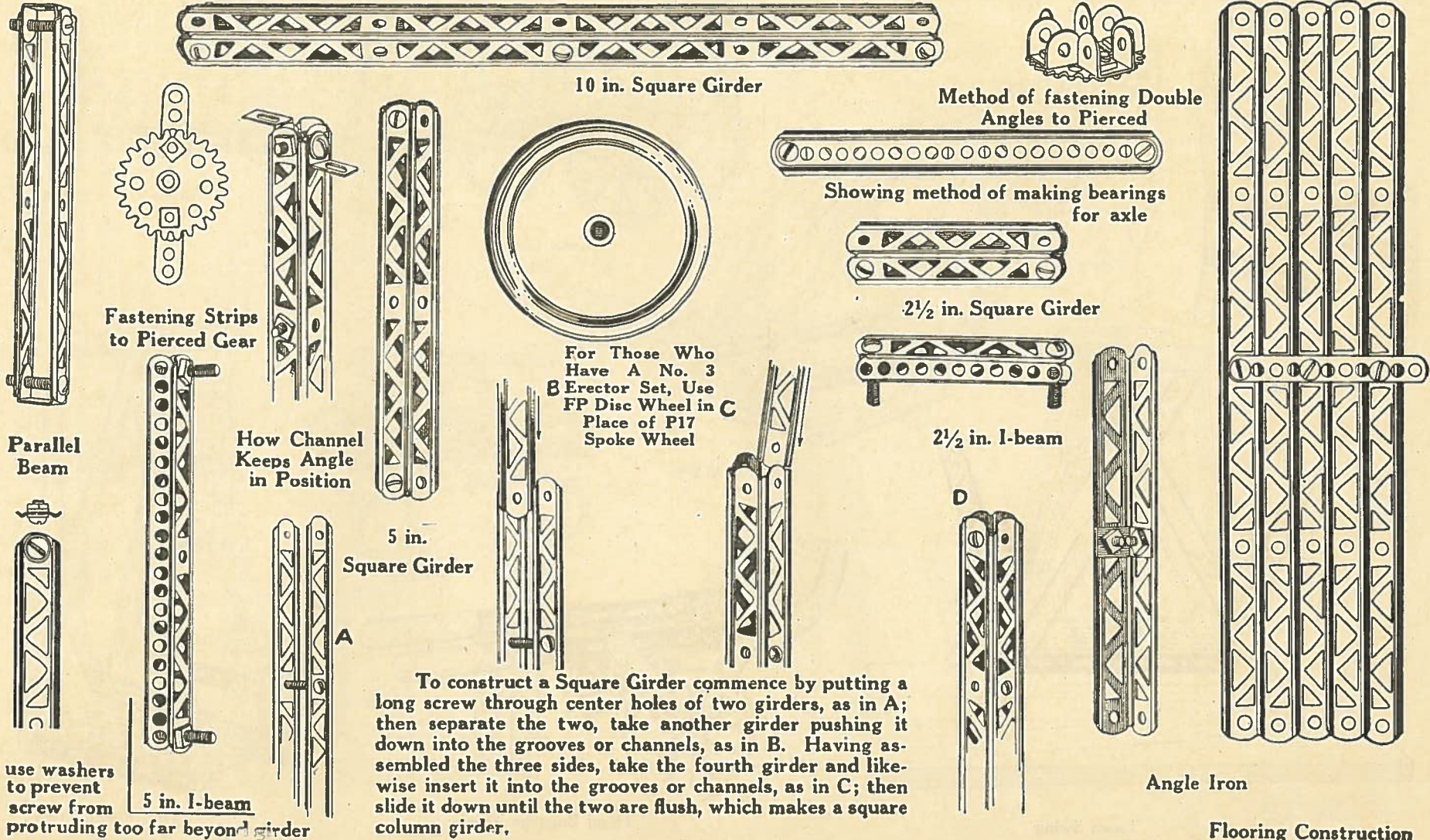
Monitor

# The New Erector Builds These Wonderful Models

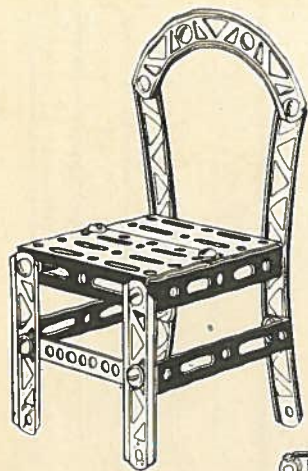
All Of These Models Can Be Built With The Larger New Erector Sets



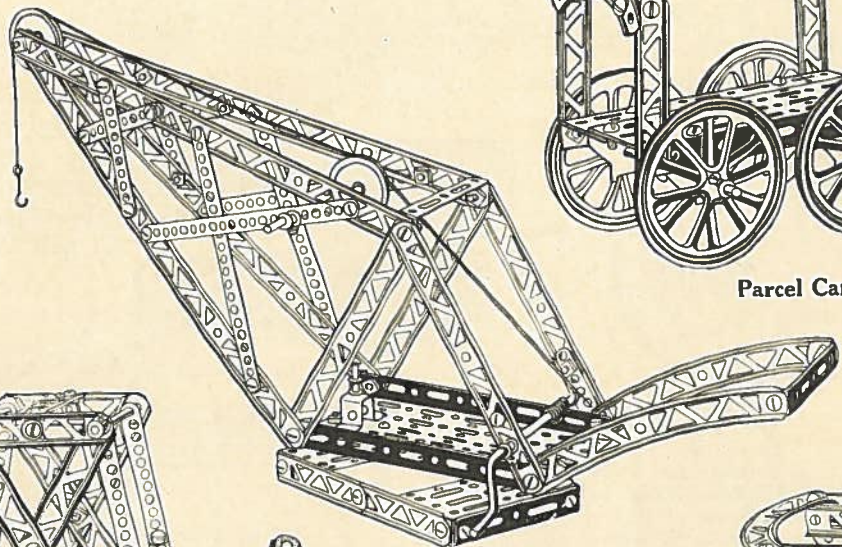
# STANDARD DETAILS OF ERECTOR CONSTRUCTION



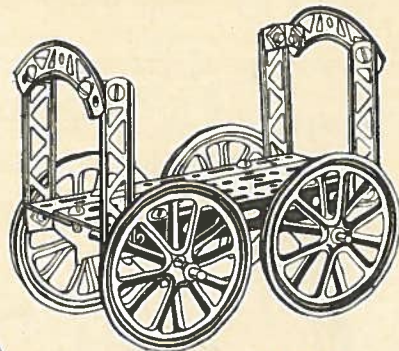
# Models built with No. 3 Erector



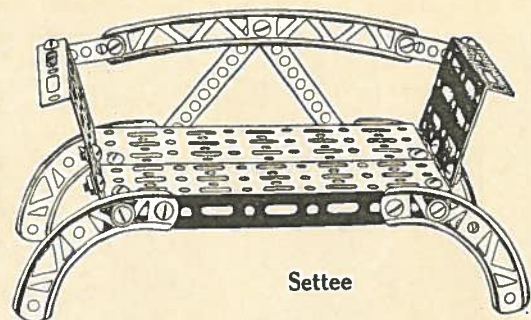
Chair



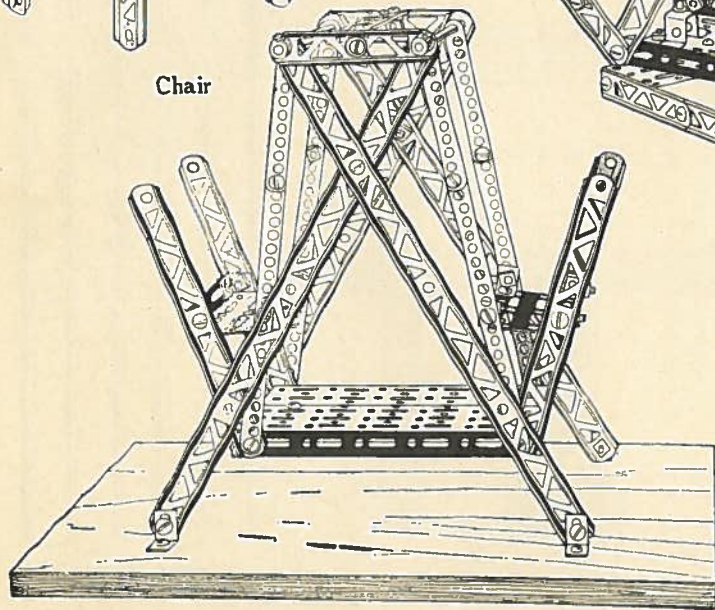
Swivel Crane



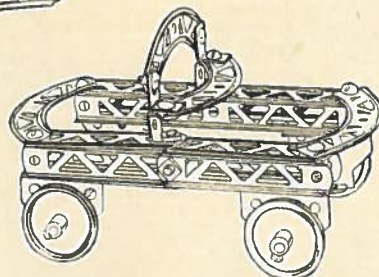
Parcel Carrier



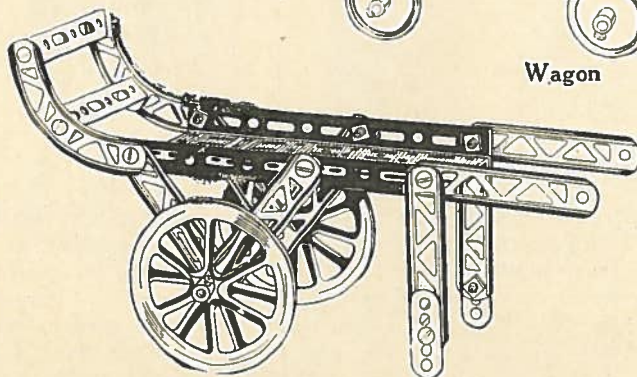
Settee



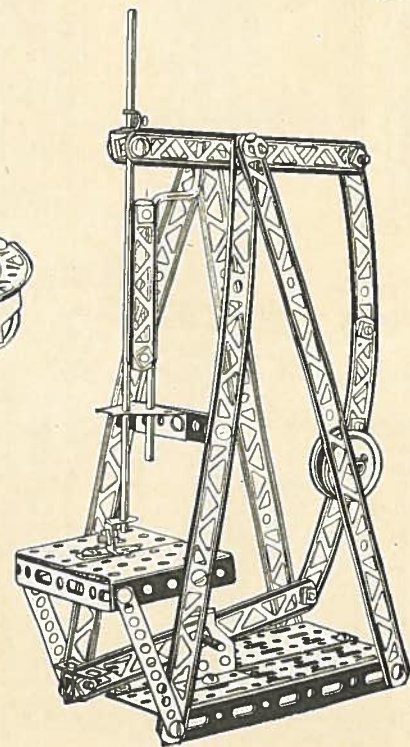
Lawn Swing



Wagon



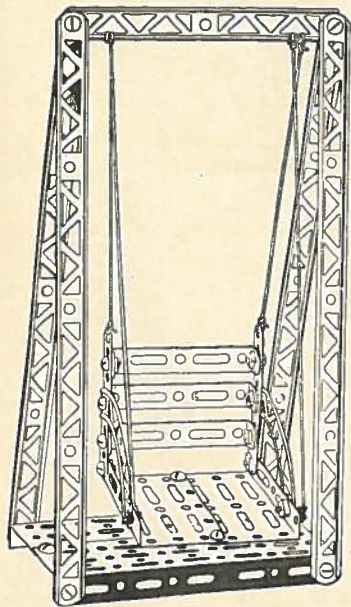
Hand Baggage Truck



Foot Punch Press

## Models built with No. 3 Erector

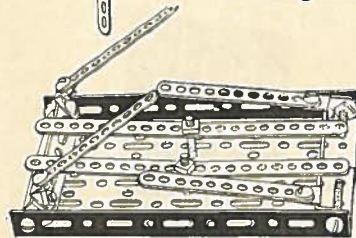
The number of models that can be built with Erector is unlimited. While we show a great many in this book they are only indications of the large number of different varieties and the adaptability of Erector, The World's Greatest Toy.



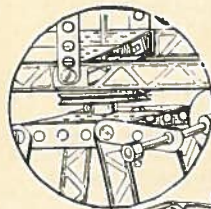
Swing



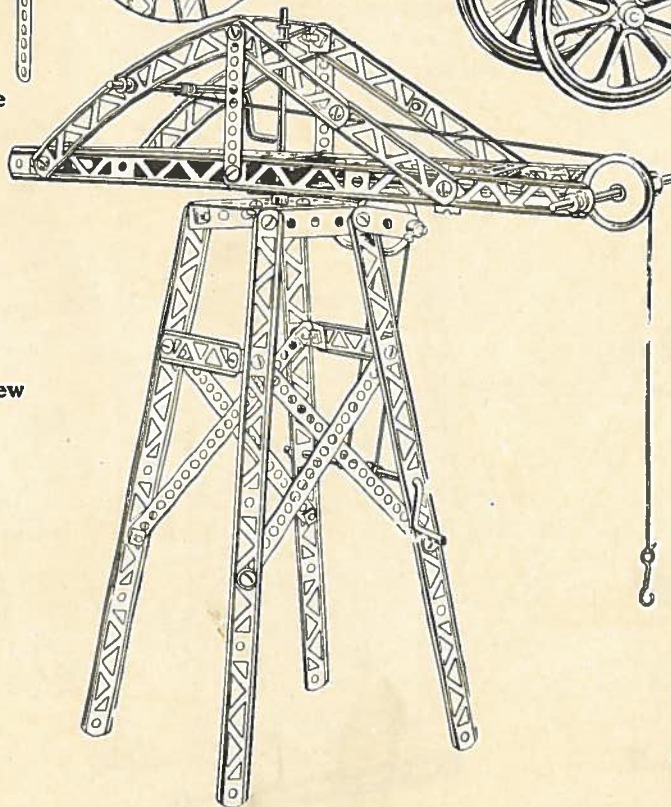
Folding Table



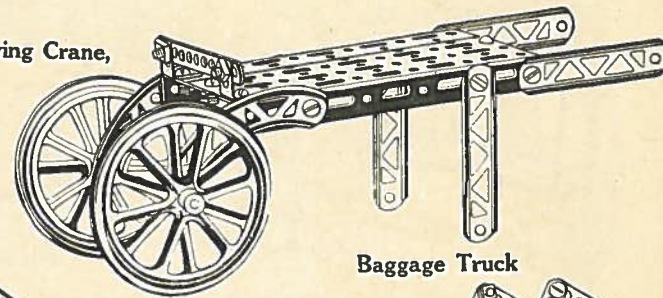
Folding Table, Bottom View



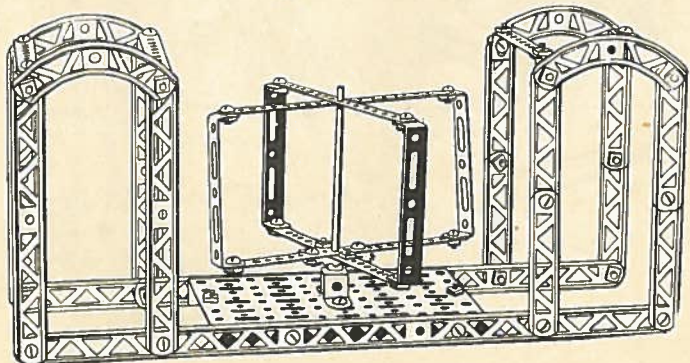
Revolving Crane,  
Detail View



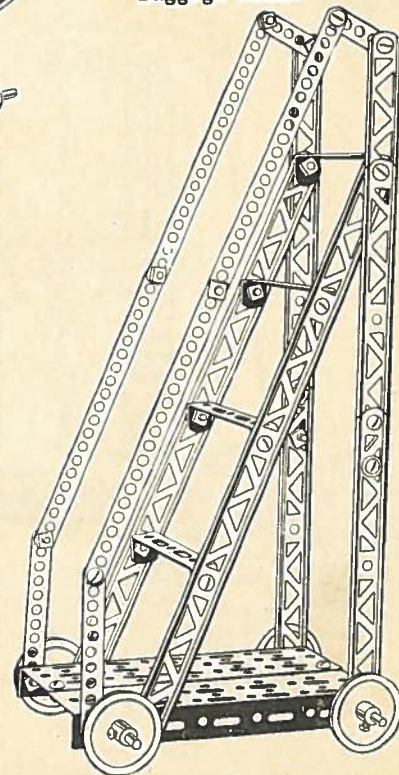
Revolving Crane



Baggage Truck

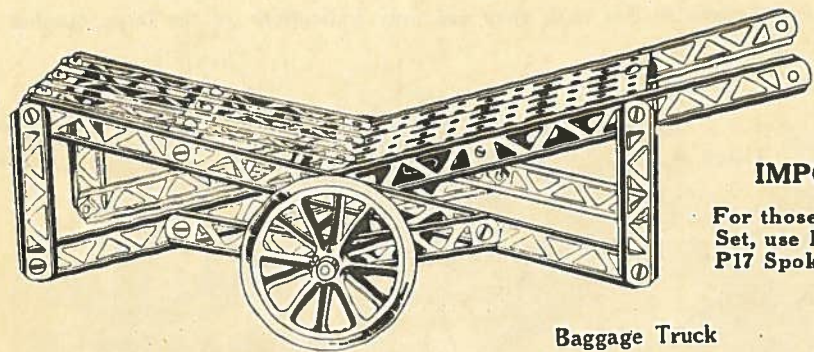


Turn Stile

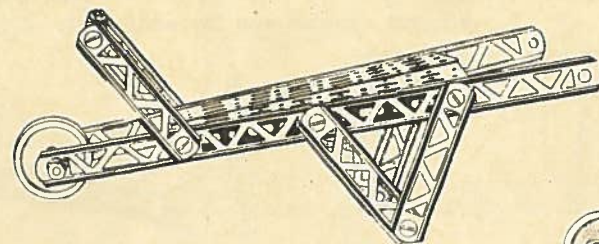


Portable Ladder

## Models built with No. 3 Erector

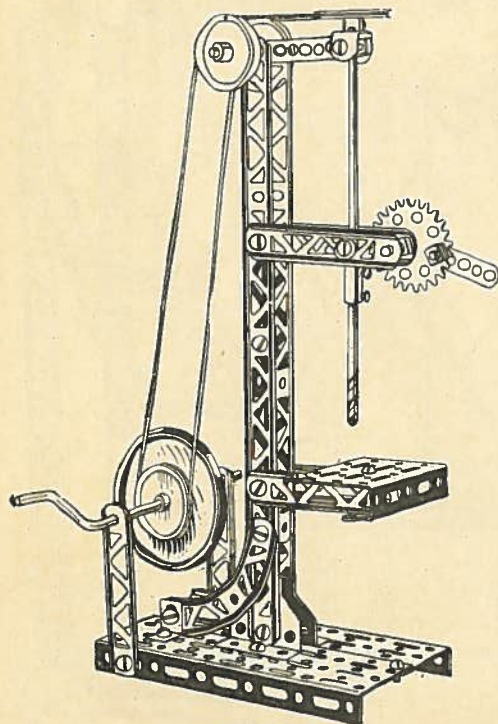


Baggage Truck

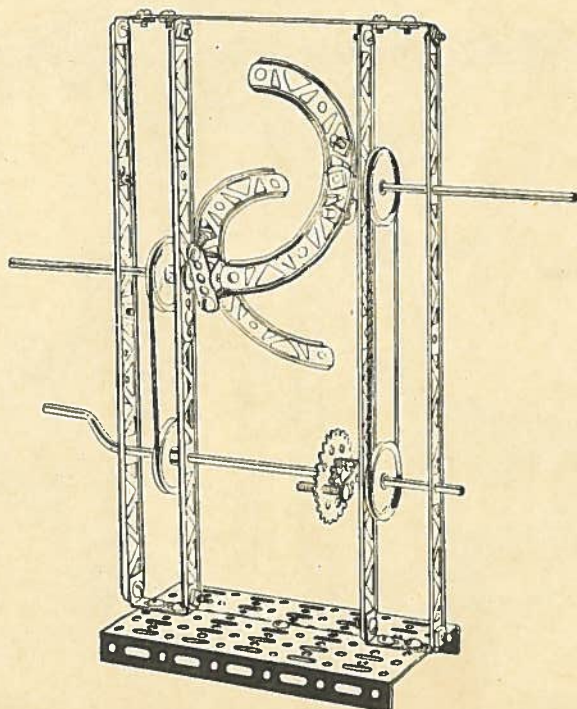


Stone Mason's Wheelbarrow

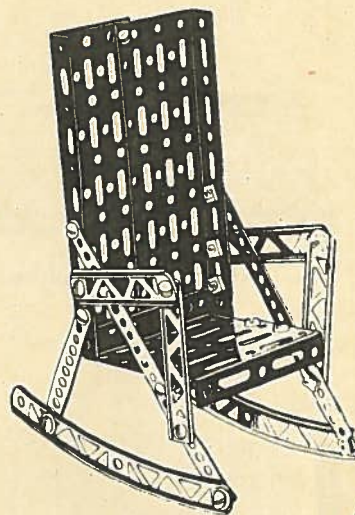
**IMPORTANT NOTICE**  
For those who have a No. 3 Erector Set, use FP Disc Wheel in place of P17 Spoke Wheel.



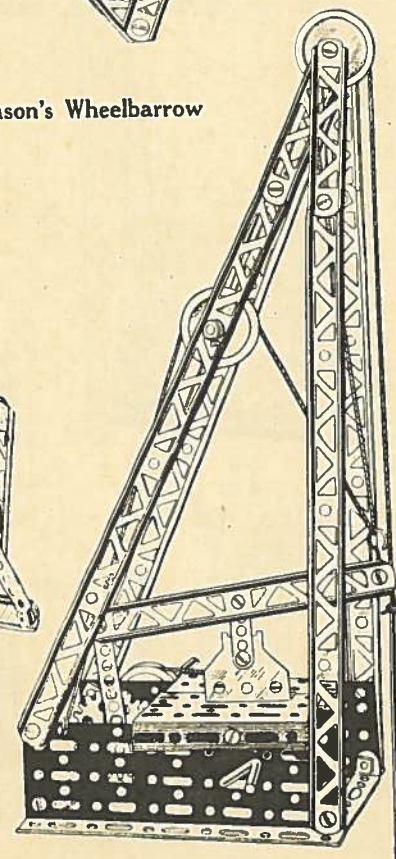
Drill Press



Candy Puller

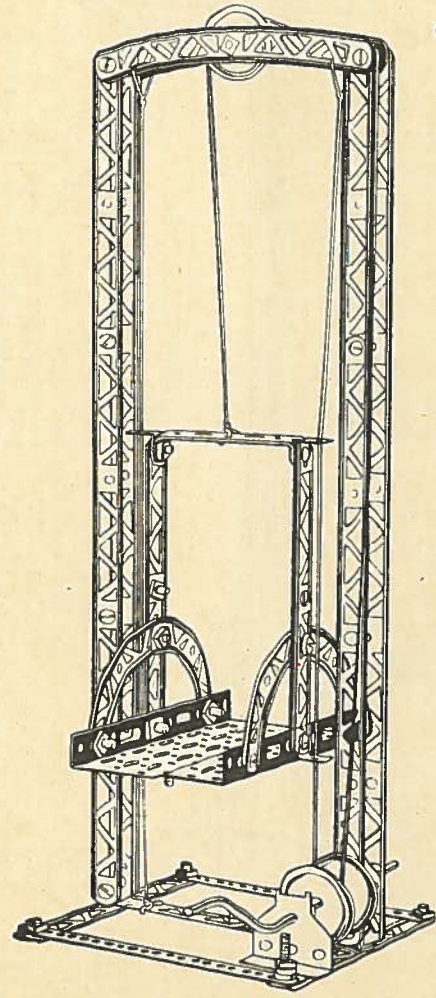


Rocking Chair

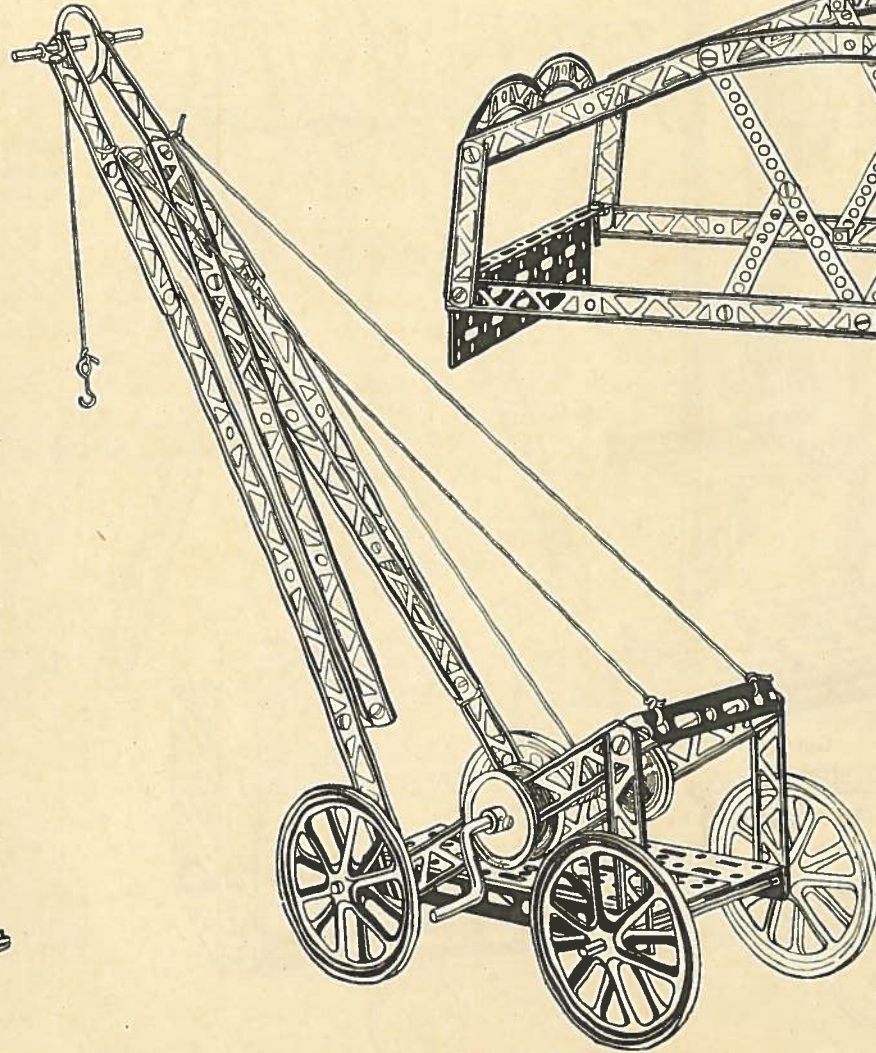


Well Driller

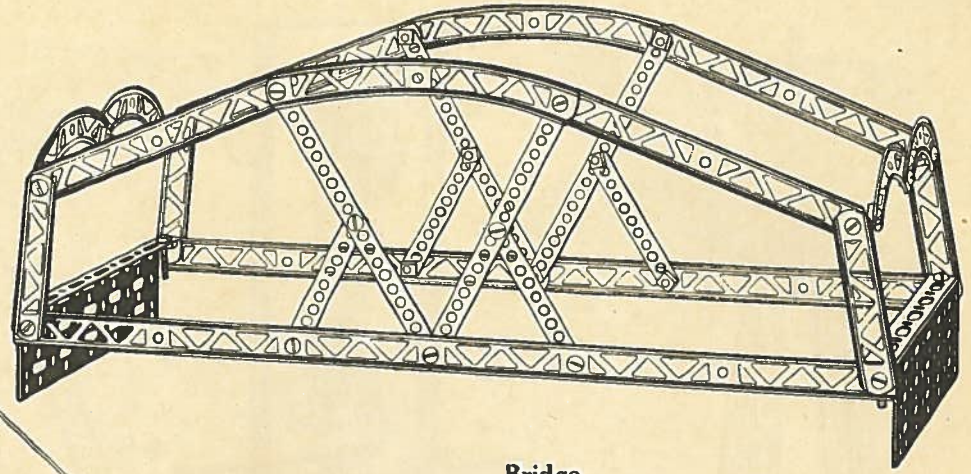
Models built with No. 3 Erector



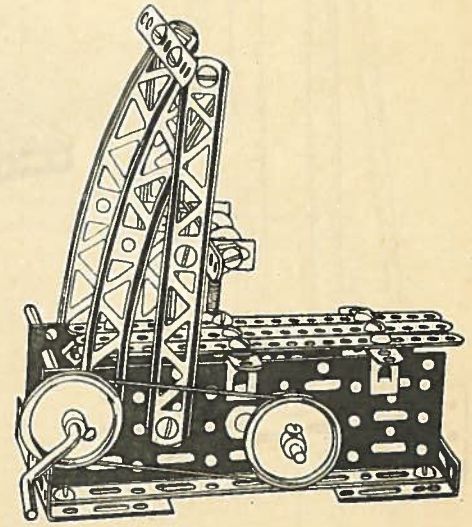
Builder's Hoist



Portable Derrick

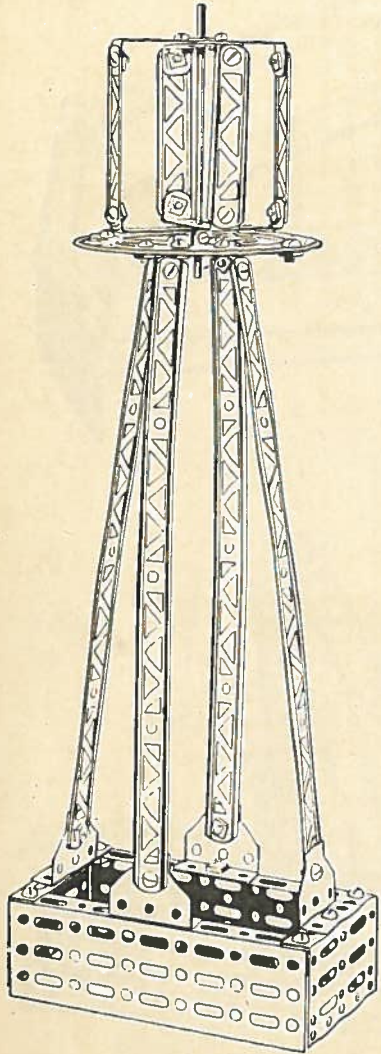


Bridge

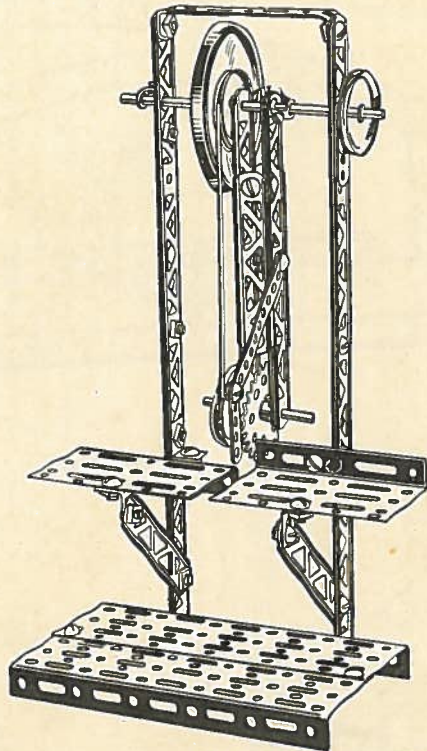


Planer

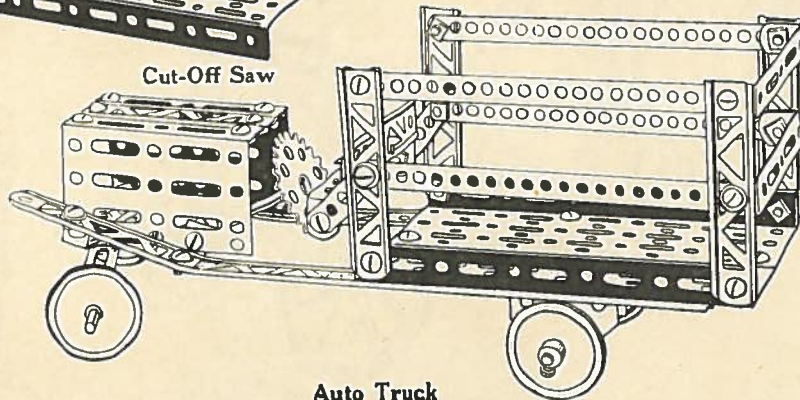
Models built with No. 3 Erector



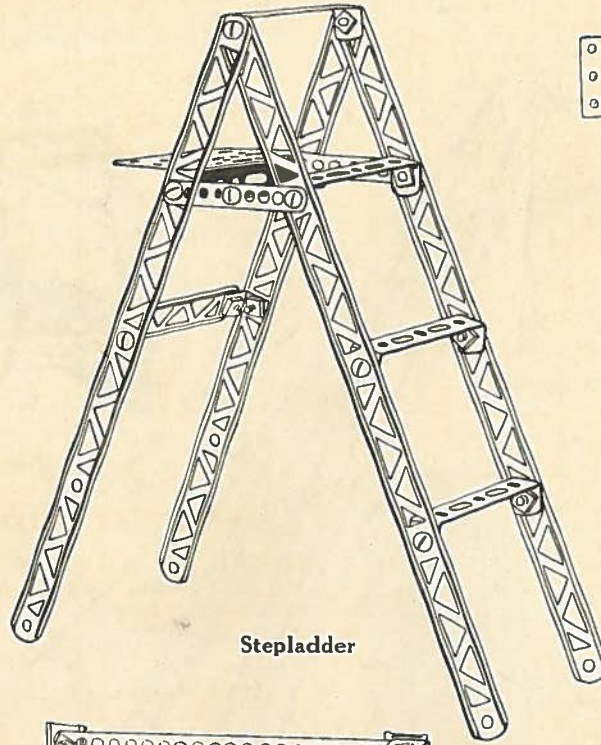
Lighthouse



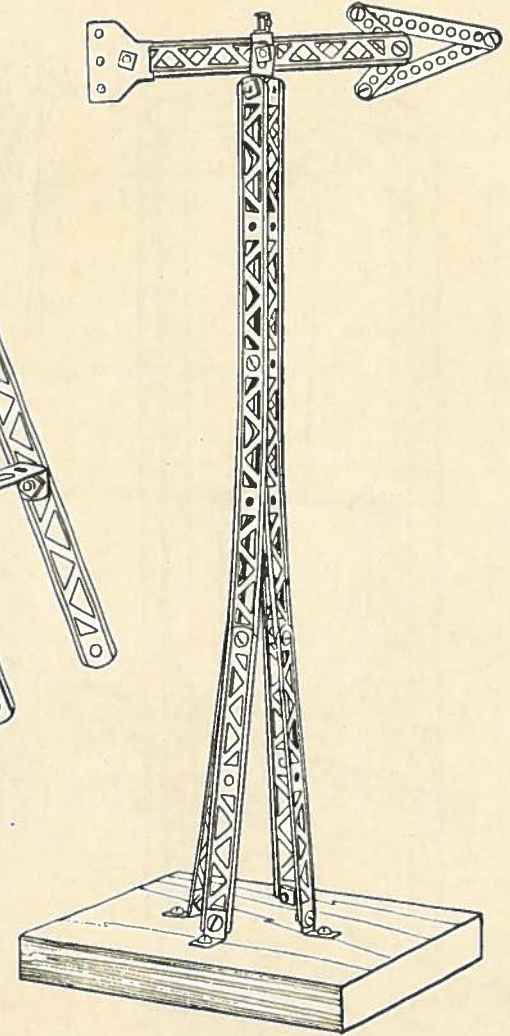
Cut-Off Saw



Auto Truck



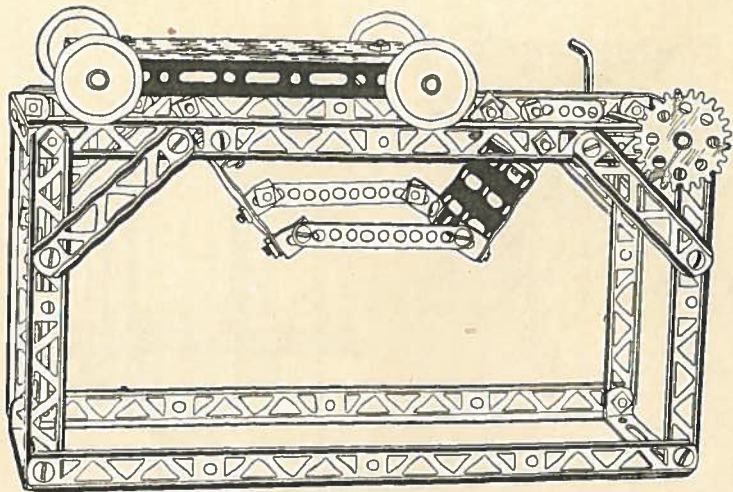
Stepladder



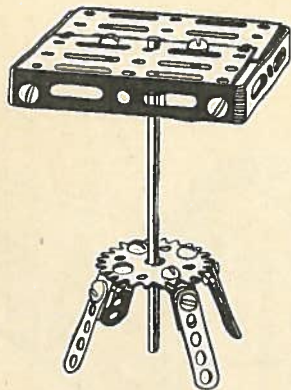
Weather Vane



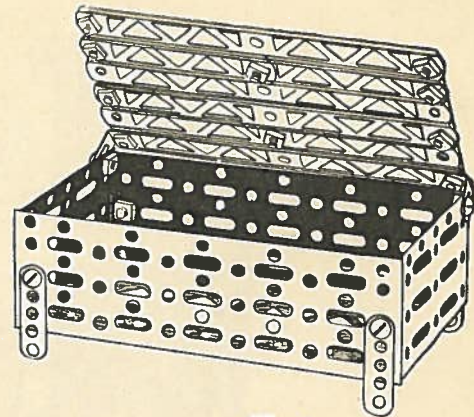
Models built with No. 3 Erector



Sifter



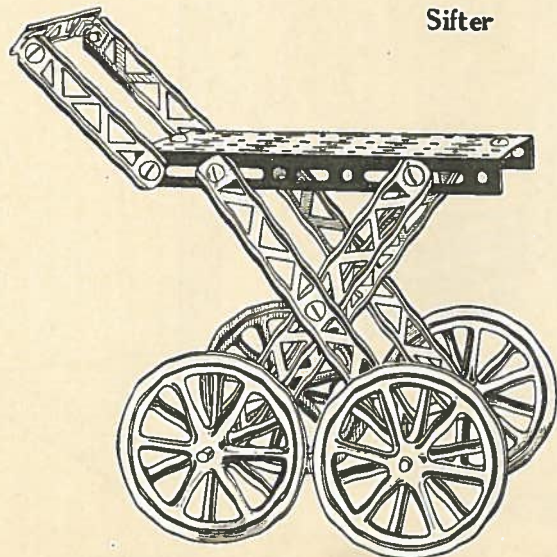
Stand



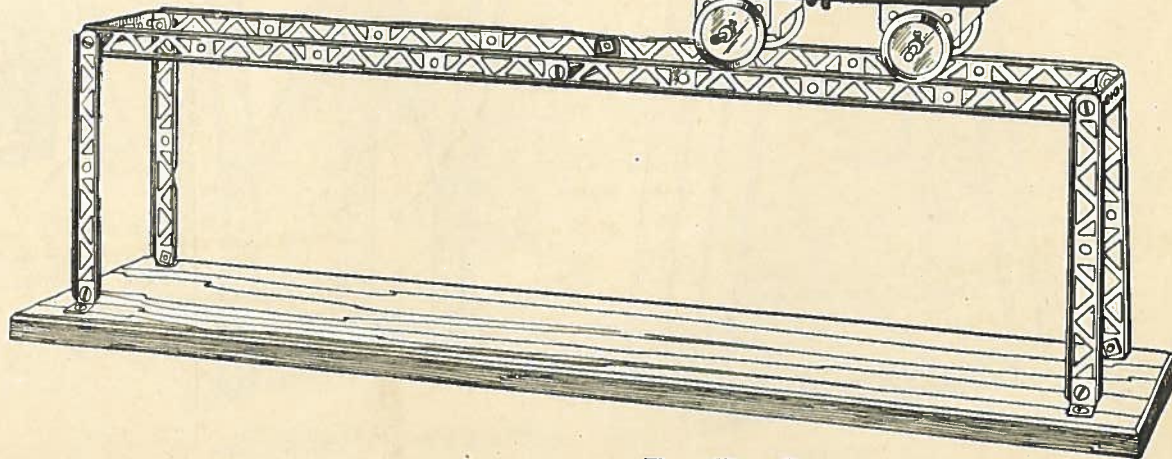
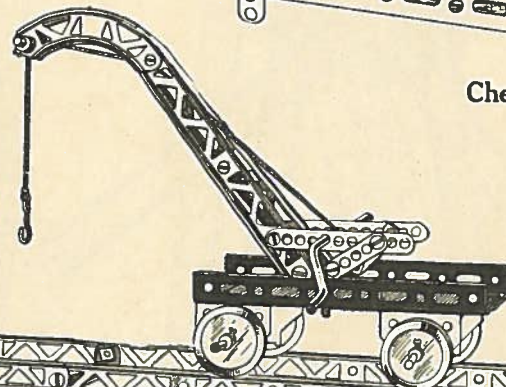
Chest

IMPORTANT NOTICE

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

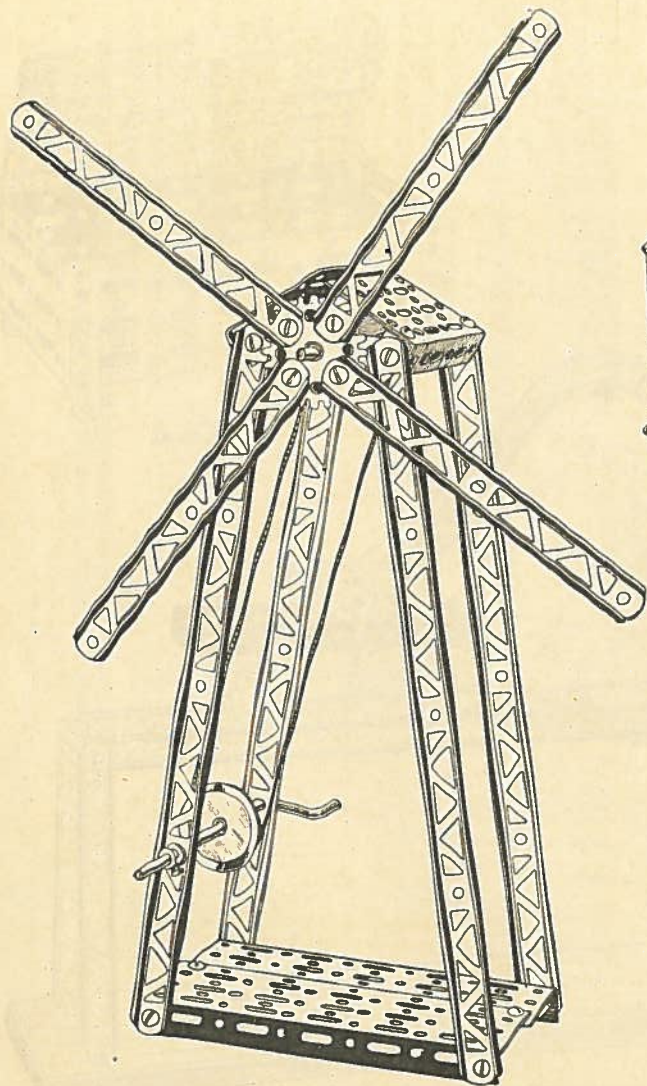


Tea Wagon

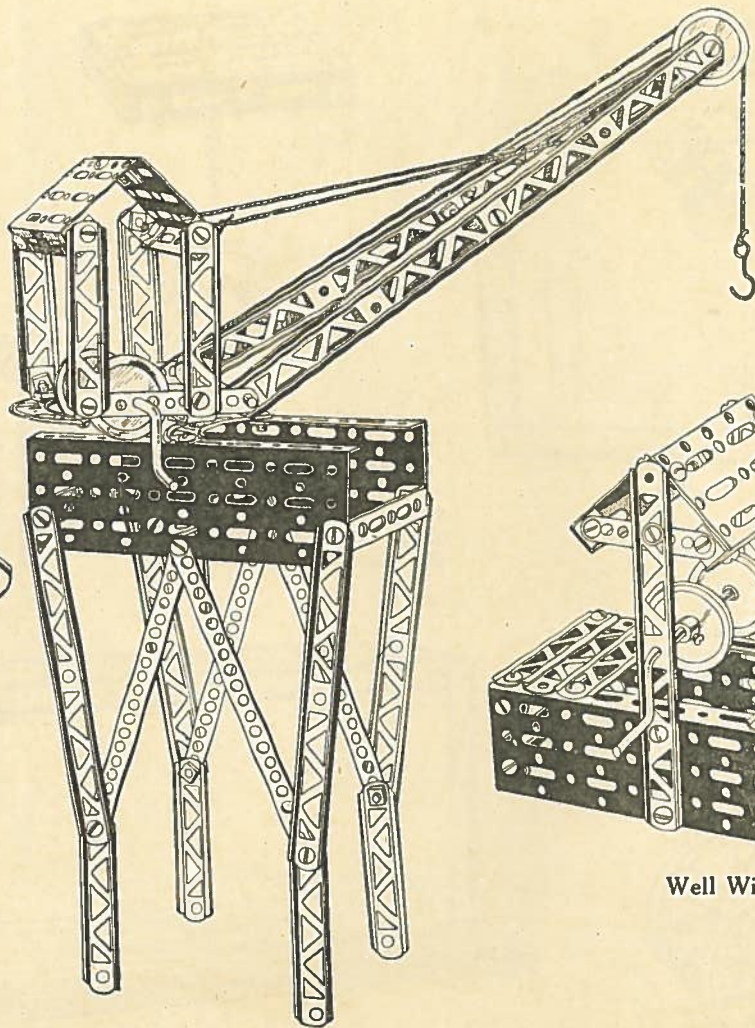


Travelling Crane

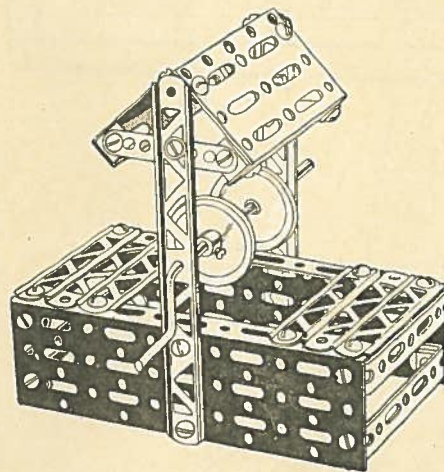
Models built with No. 3 Erector



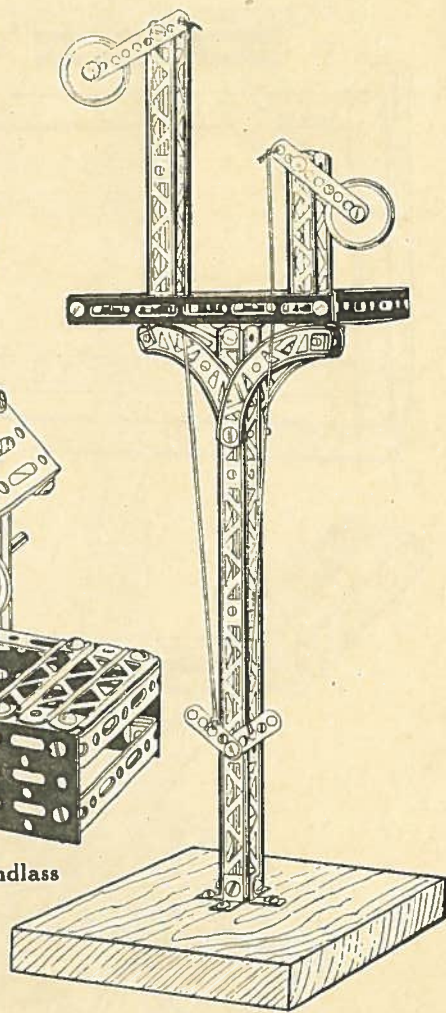
Windmill



-Ship Crane

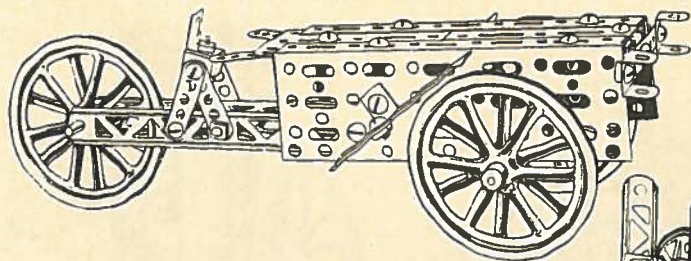


Well Windlass

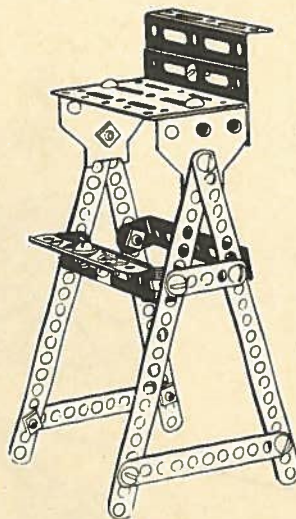


Semaphore

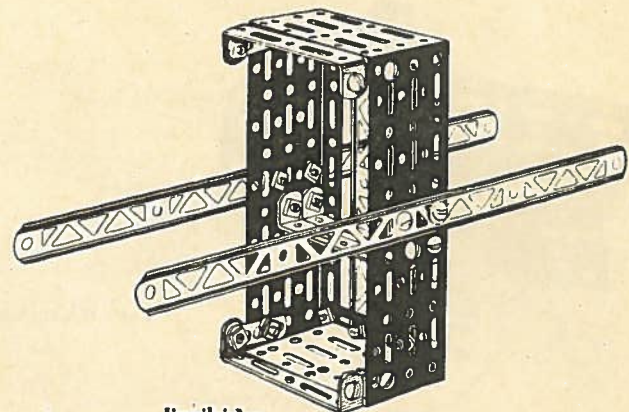
# Models built with No. 3 Erector



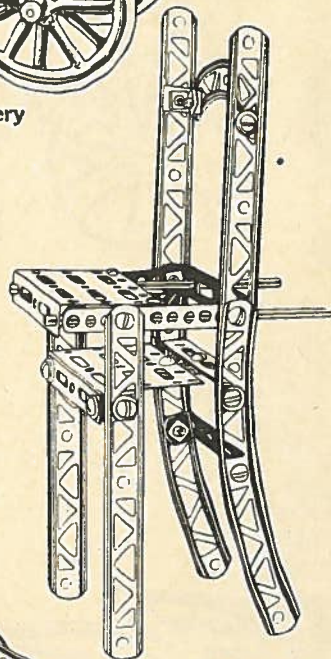
Rural Motor Parcel Post Delivery



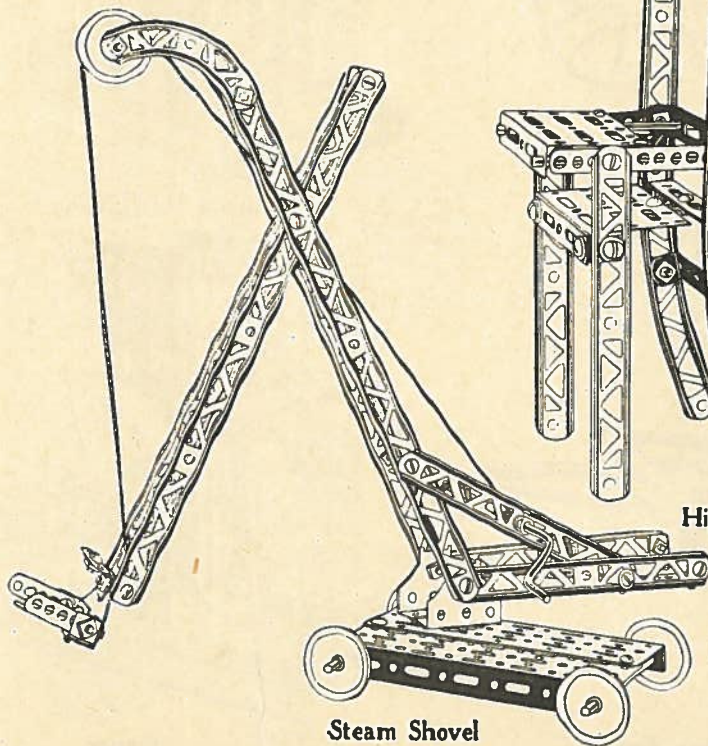
Judge's Chair



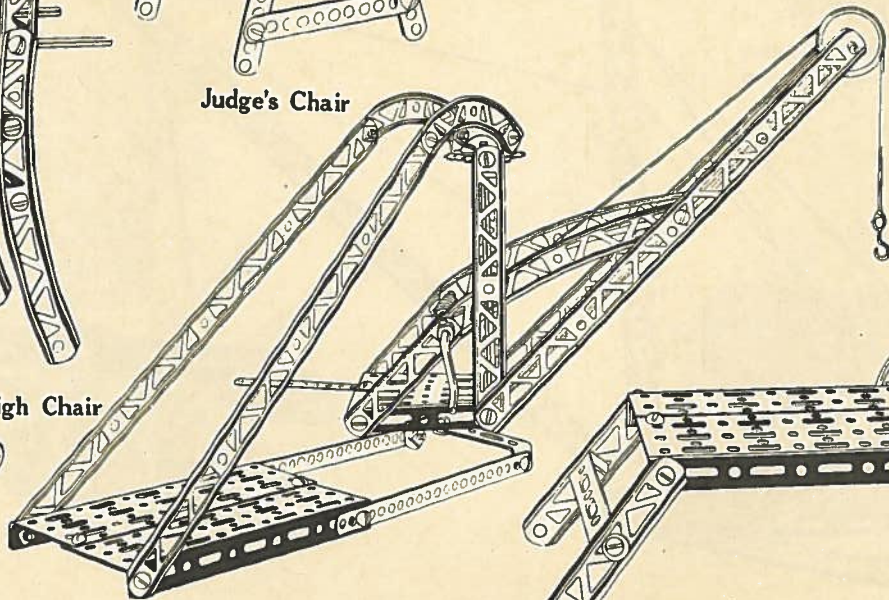
Jinrikisha



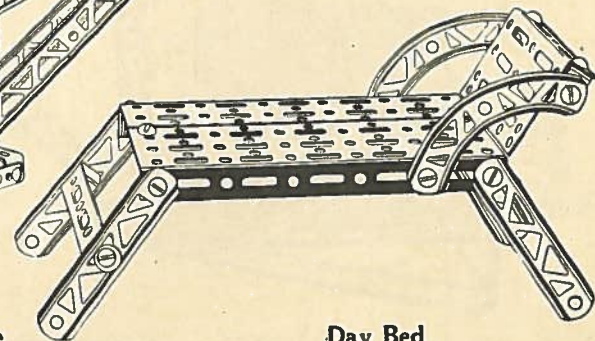
High Chair



Steam Shovel

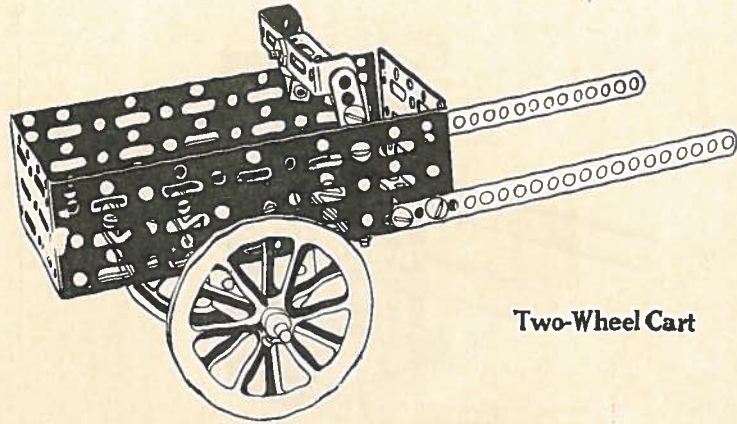


Swinging Stationary Jib Crane

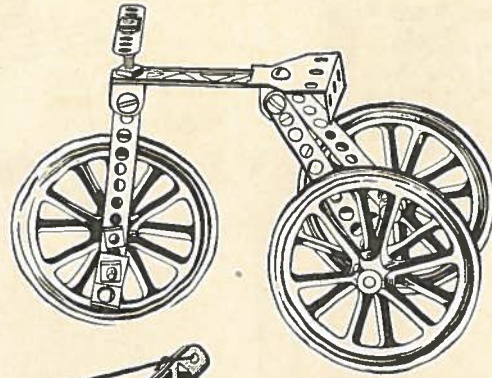


Day Bed

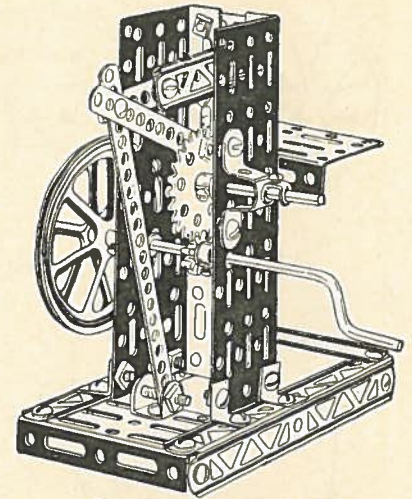
## Models built with No. 3 Erector



Two-Wheel Cart

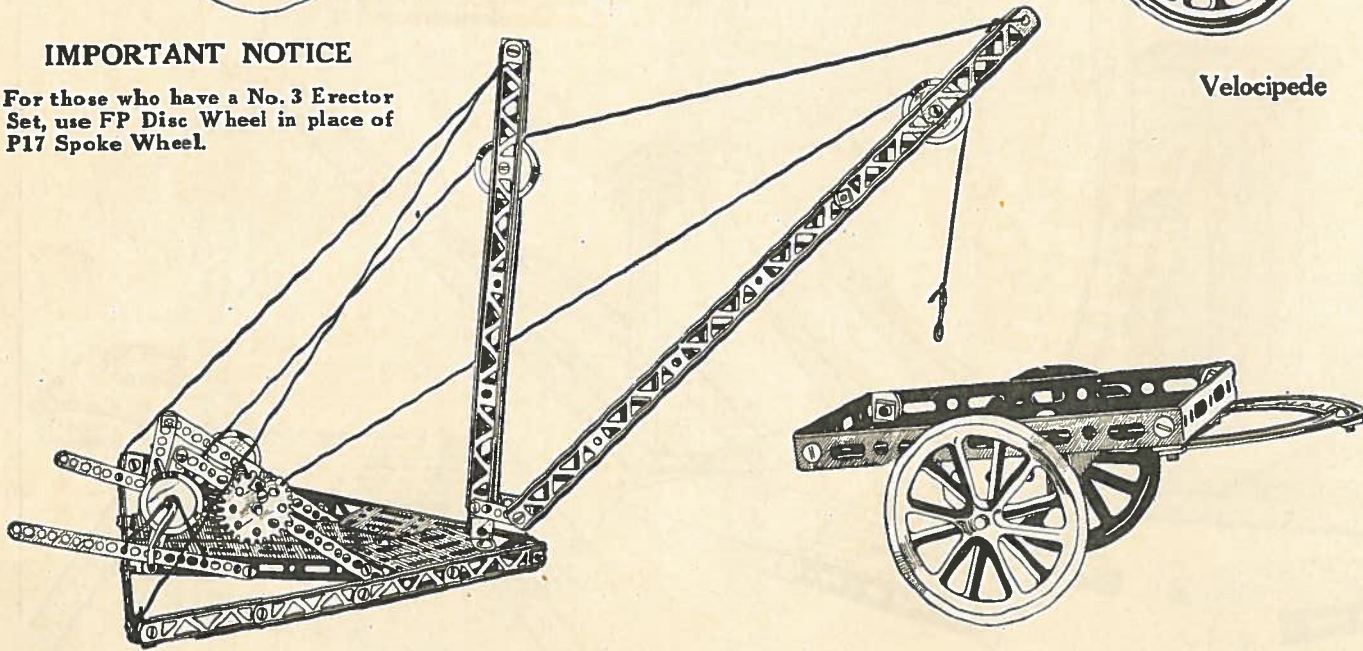


Velocipede



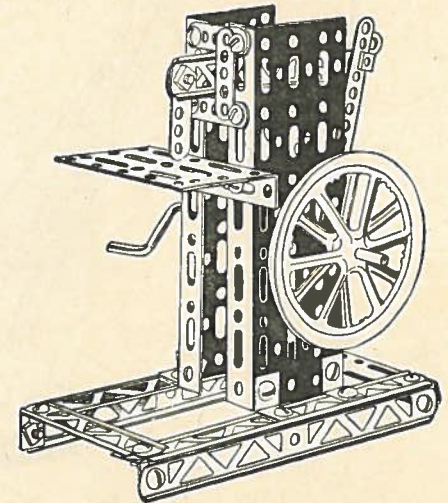
Shaper, Back View

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



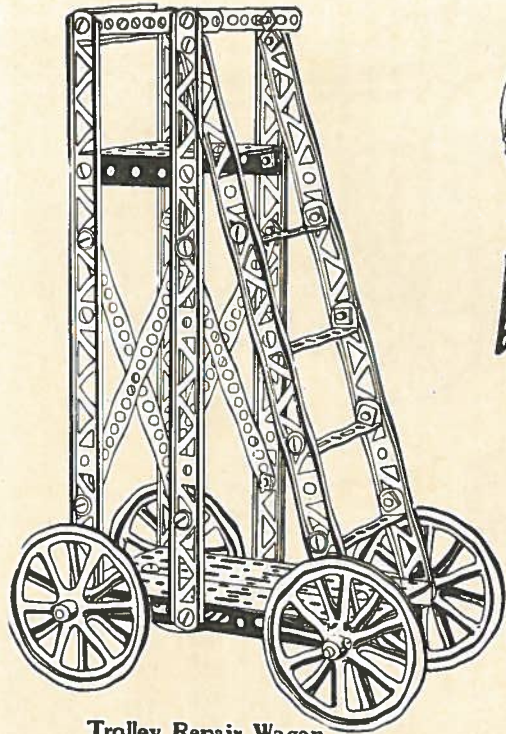
Boom Derrick

Street Vender's Wagon

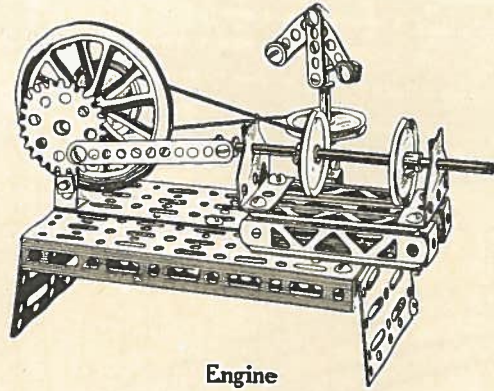


Shaper

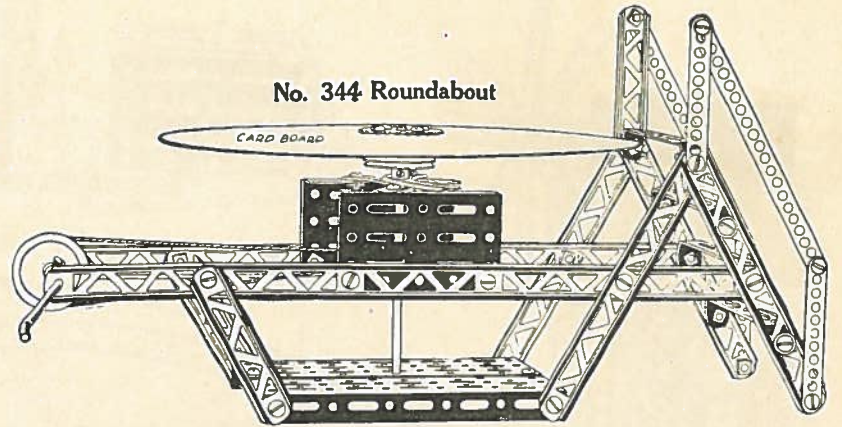
Models built with No. 3 Erector



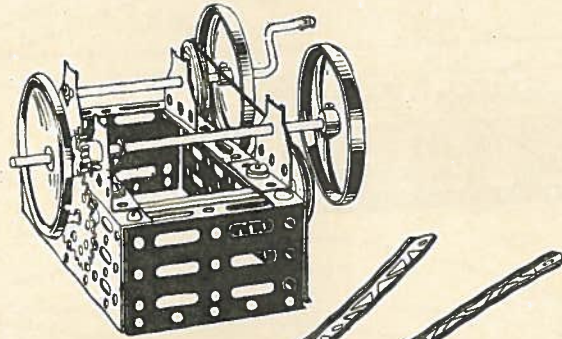
Trolley Repair Wagon



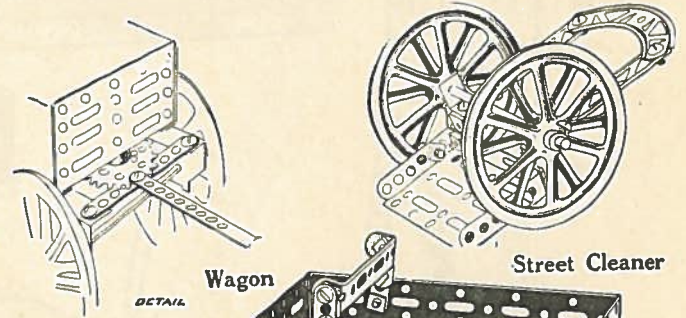
Engine



No. 344 Roundabout

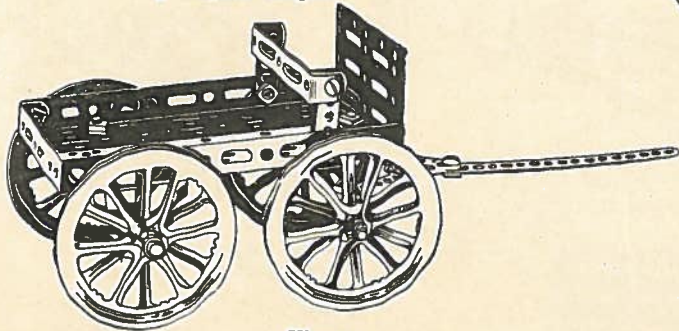


Power Unit

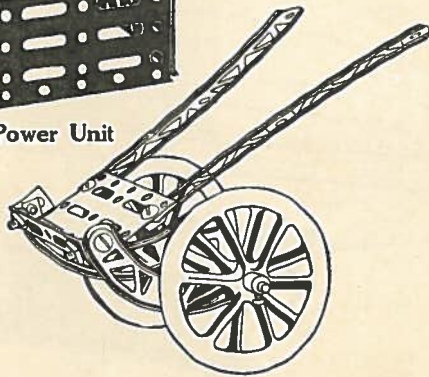


Wagon

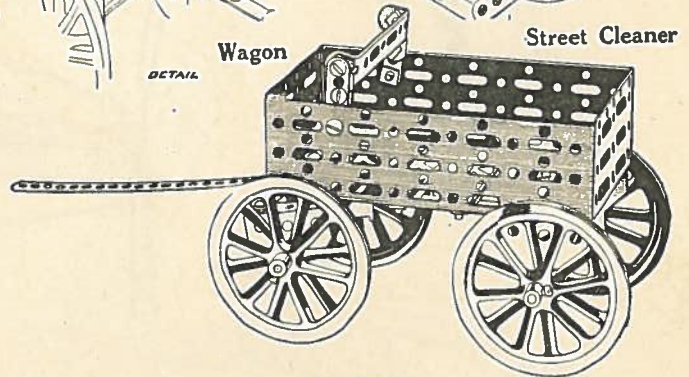
Street Cleaner



Wagon

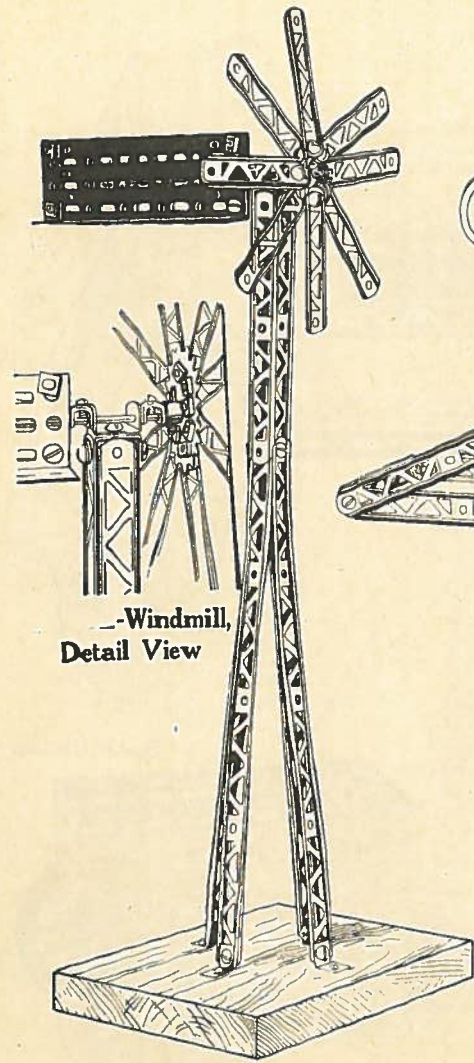


Sulky



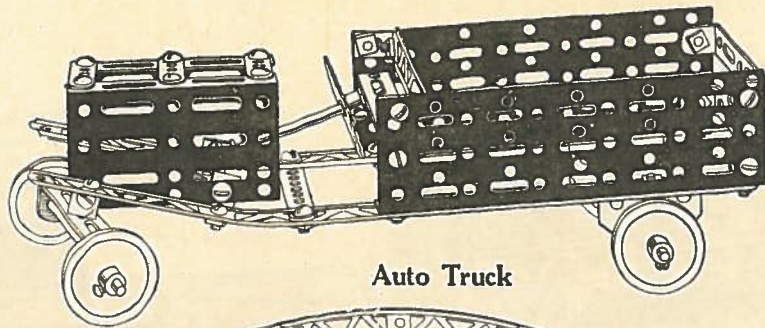
Wagon

Models built with No. 3 Erector<sup>®</sup>

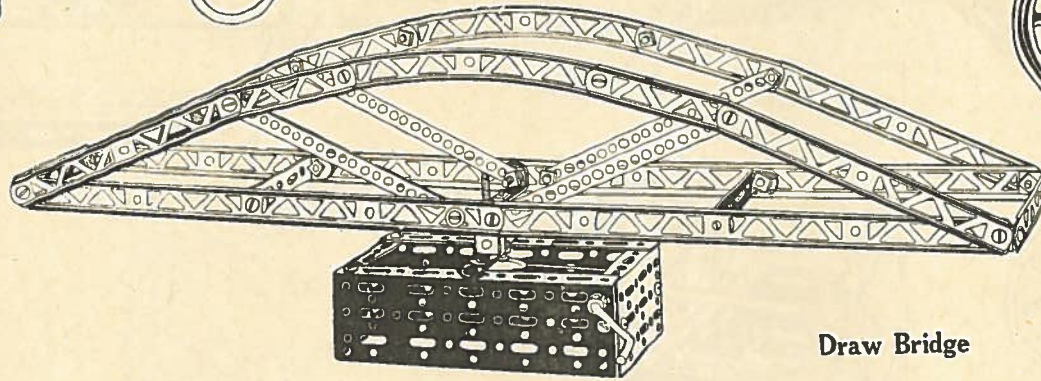


Windmill,  
Detail View

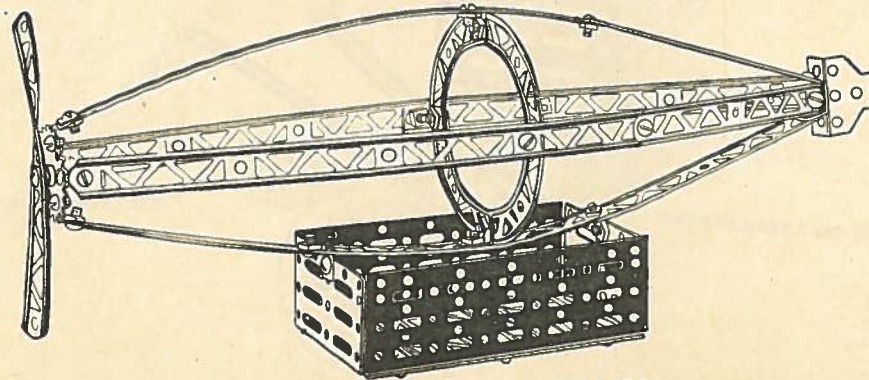
Windmill



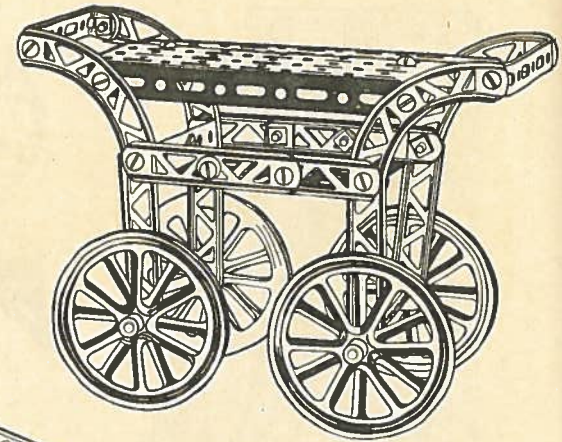
Auto Truck



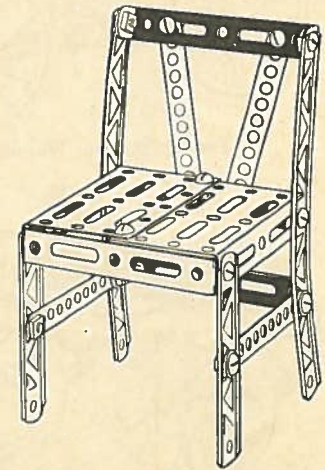
Draw Bridge



Dirigible

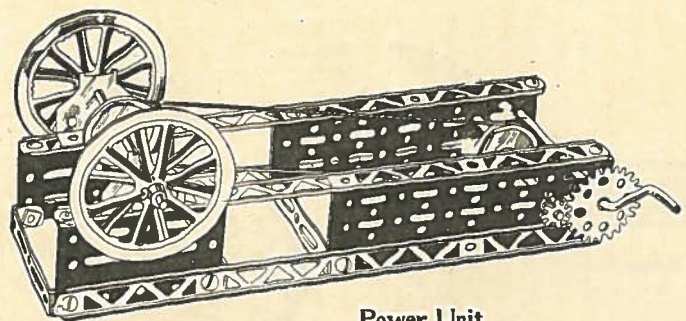


Tea Wagon

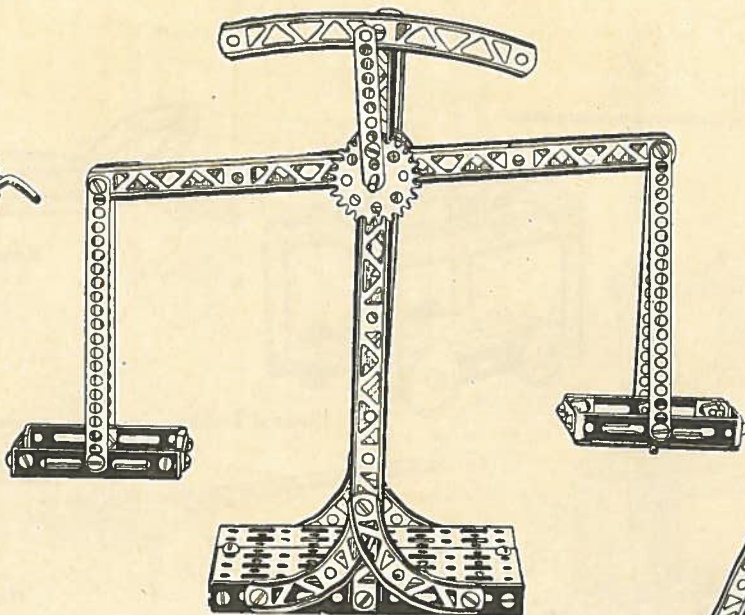


Chair

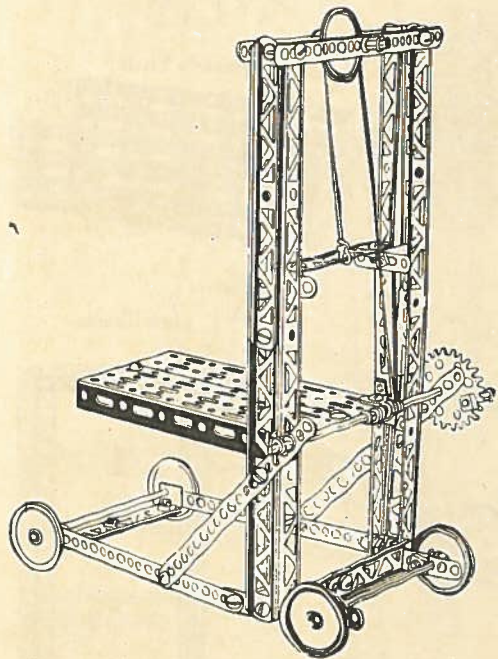
# Models built with No. 3 Erector



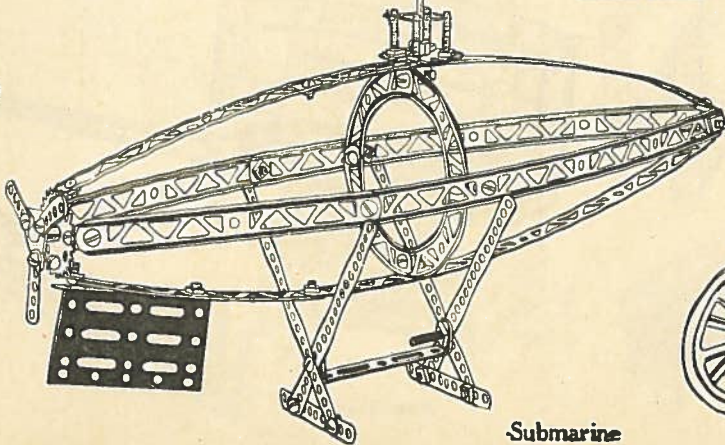
Power Unit



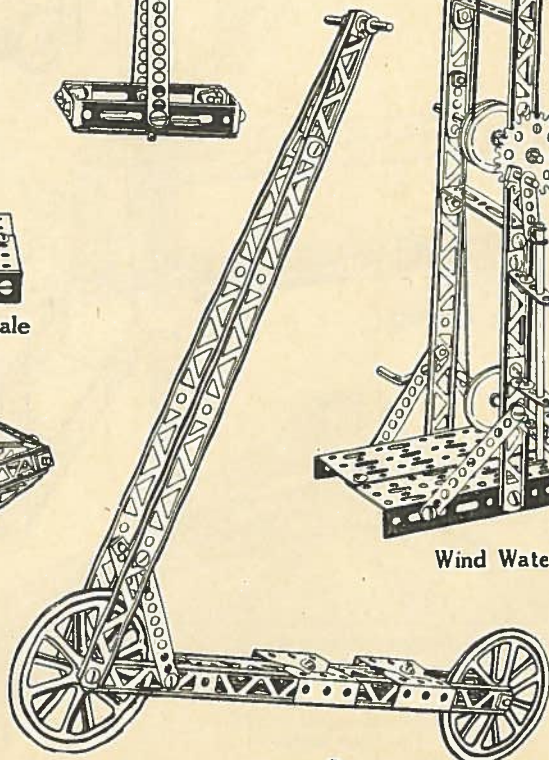
Beam Scale



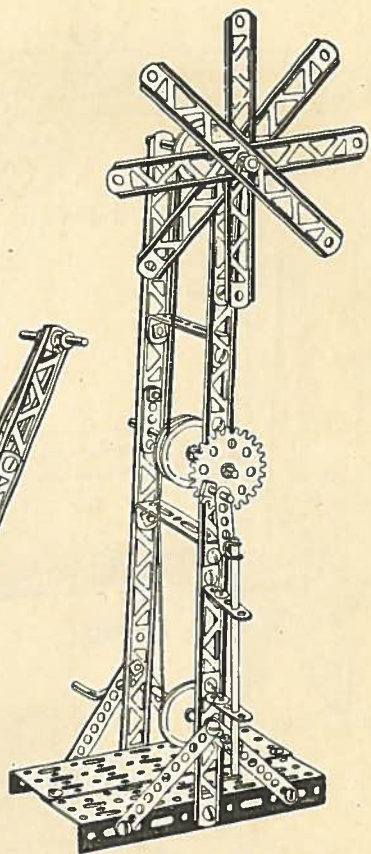
Tying Machine



Submarine

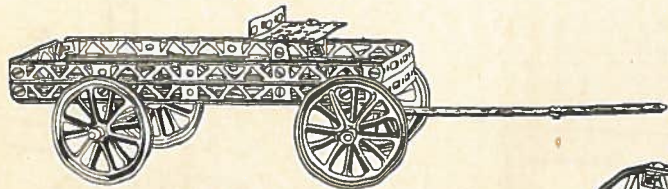


Scooter

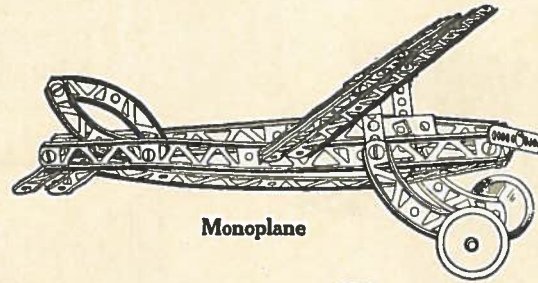


Wind Water Pump

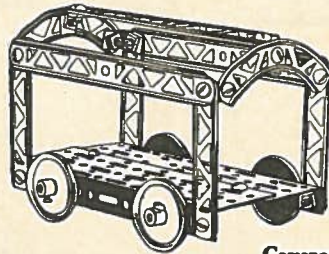
MODELS BUILT WITH NO. 3 ERECTOR



Farm Wagon



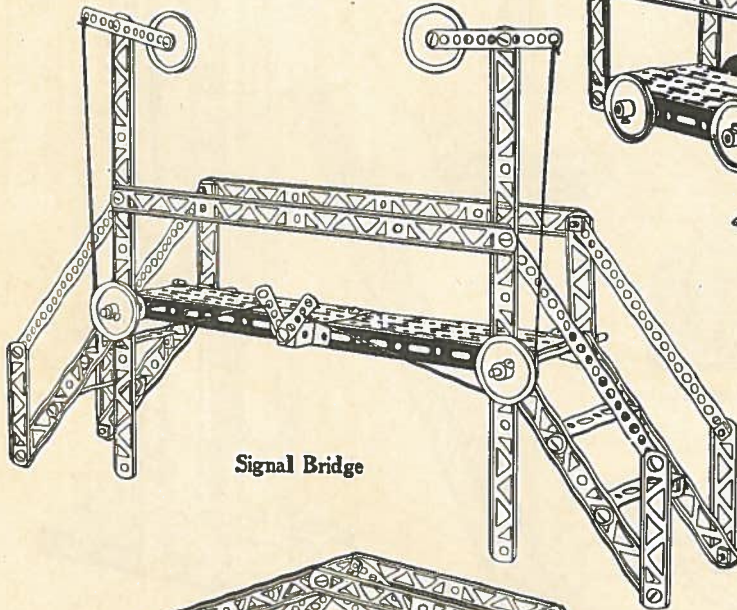
Monoplane



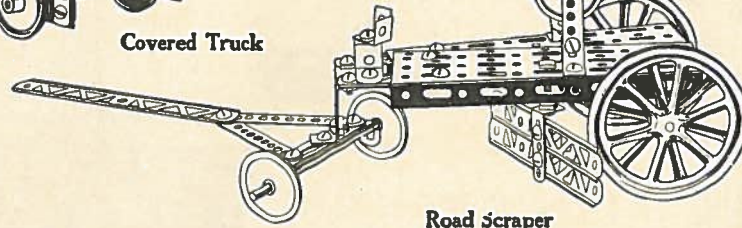
Covered Truck



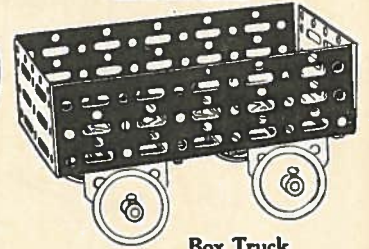
Invalid's Chair



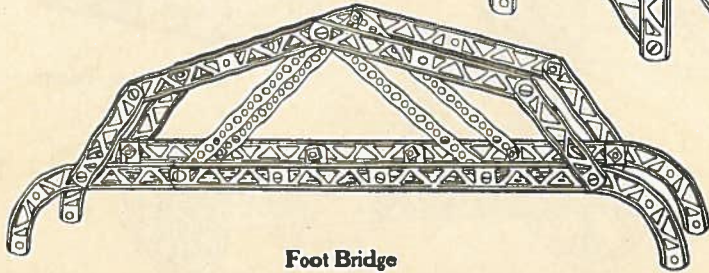
Signal Bridge



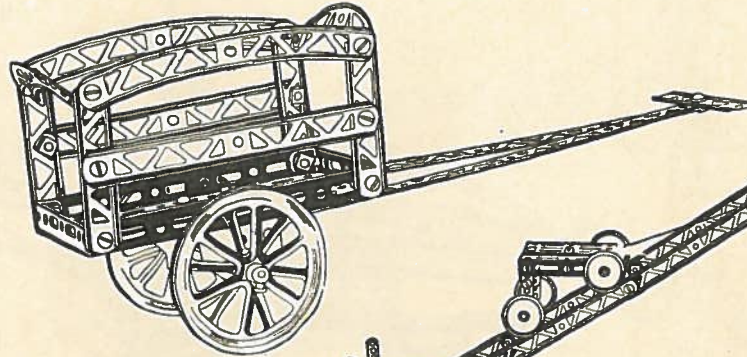
Road Scraper



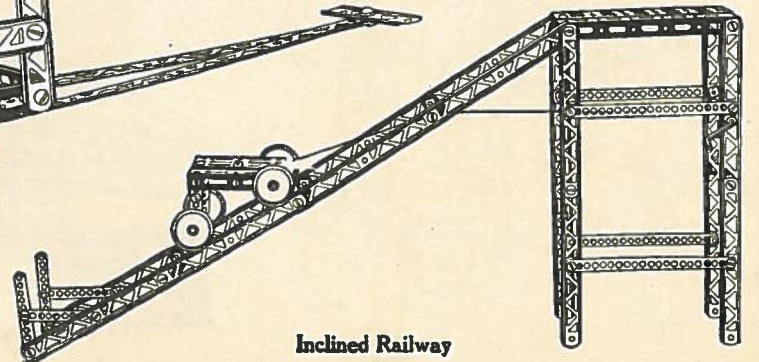
Box Truck



Foot Bridge



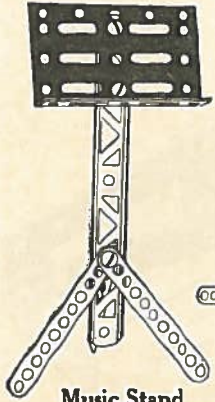
Auto Trailer



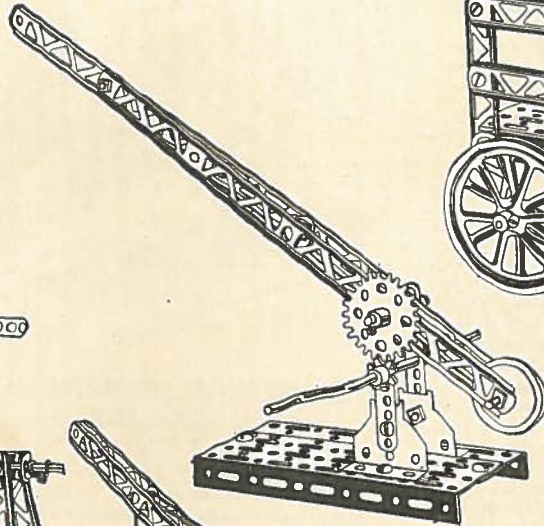
Inclined Railway



MODELS BUILT WITH NO. 3 ERECTOR



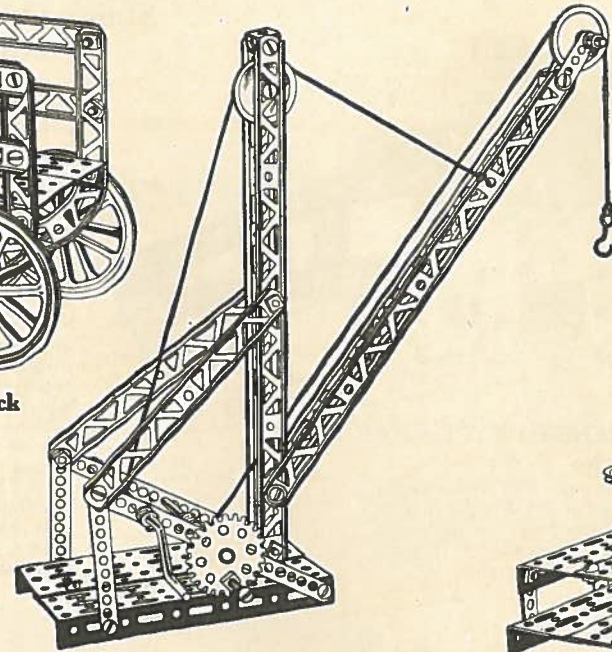
Music Stand



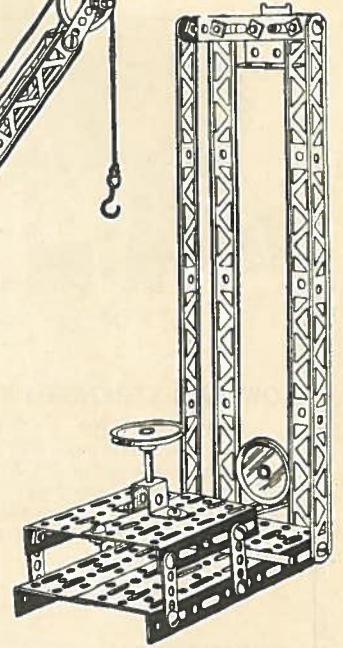
Railroad Lift Gate



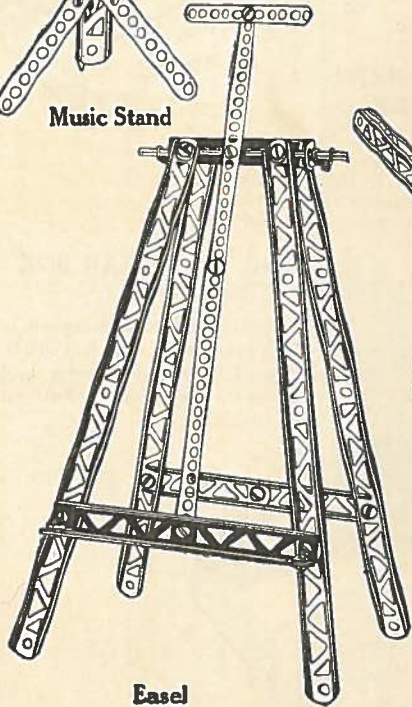
Timber Truck



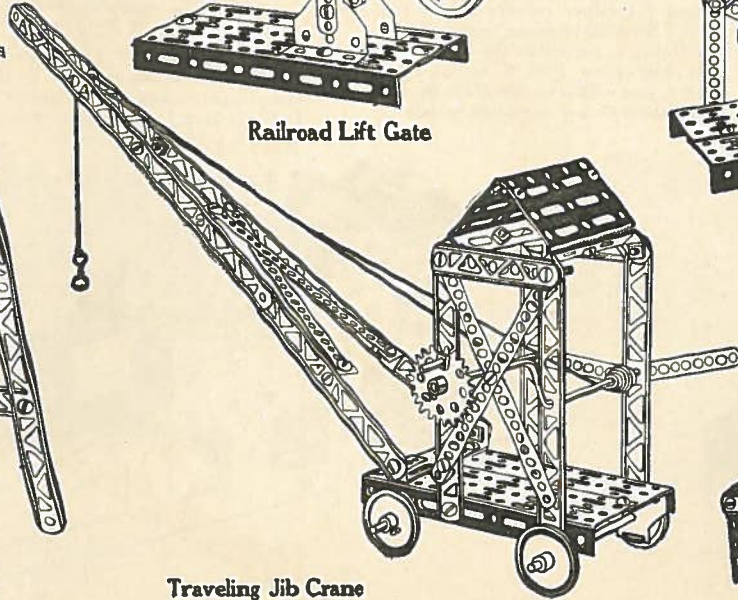
Stationary Jib Crane



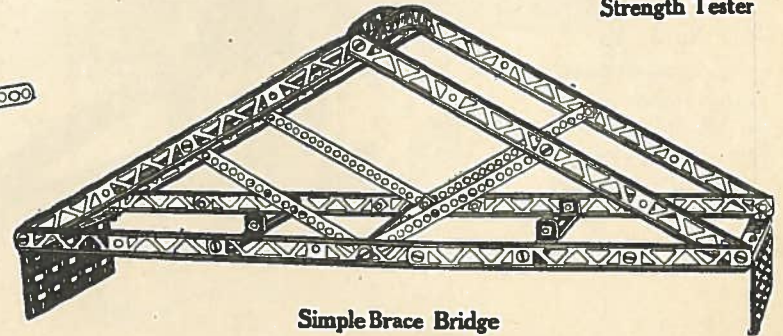
Strength Tester



Easel



Traveling Jib Crane



Simple Brace Bridge

# Models Built With No. 4 Erector

## Standard Gear Box Section No. 4

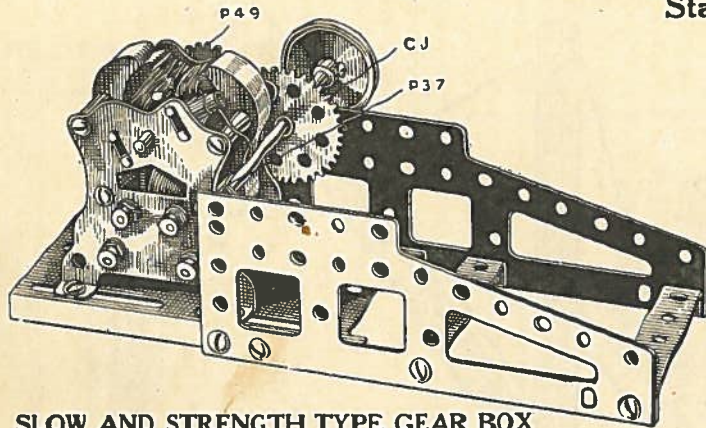
### INTRODUCTION

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.

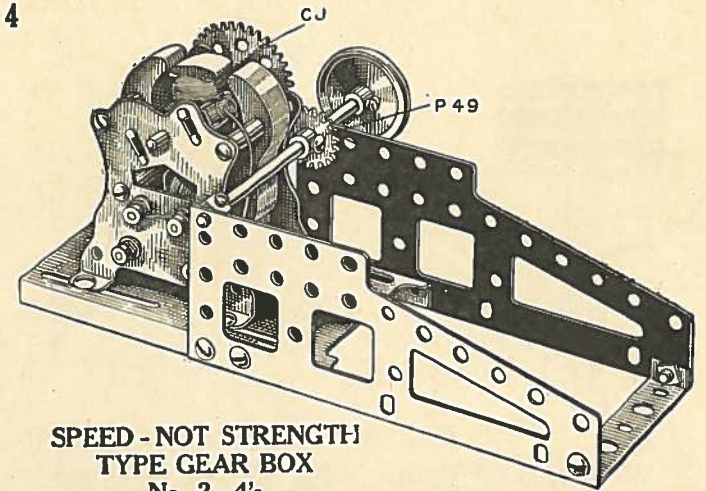
The driving wheel is called the driver, and the driven wheel the driven. These different styles of gear boxes are shown together to illustrate and treat practical mechanics. They also offer the builder a variety of different kinds of power from which he can select the most practical. By leaving end-play 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

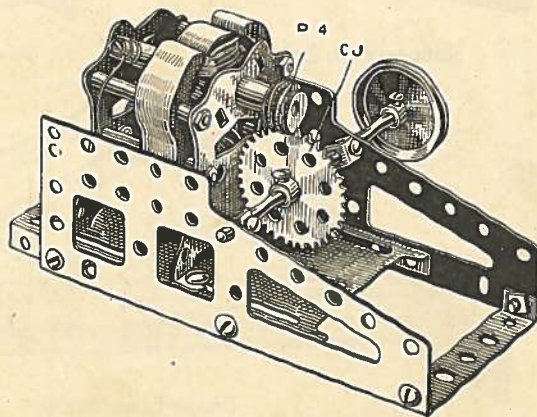
No. 2-4's

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

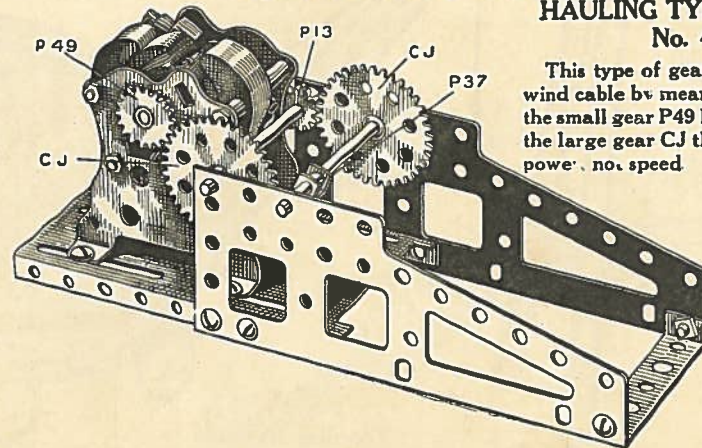
The worm P14 is the driver and the gear CJ is the driven. This type is designed for use where power is wanted, not speed.



### HAULING TYPE GEAR BOX

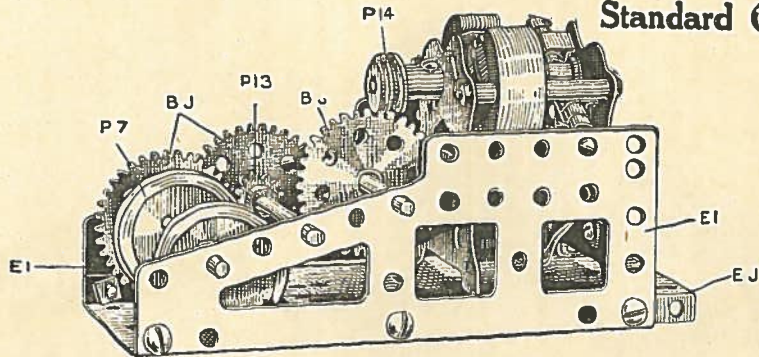
No. 4-4's

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.



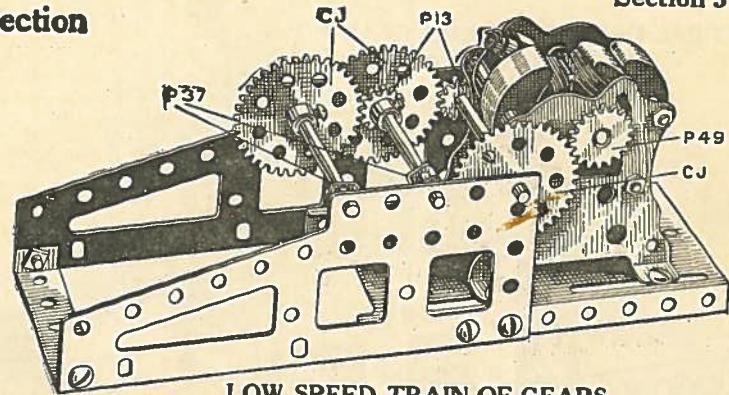
# Models Built With No. 4 Erector

## Standard Gear Box Section No. 4



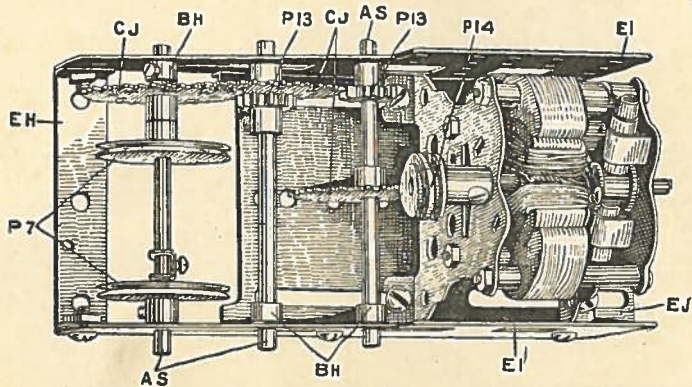
SINGLE DRUM HOIST - STANDARD GEAR BOX  
SIDE VIEW - No. 6-4's

## Section 3

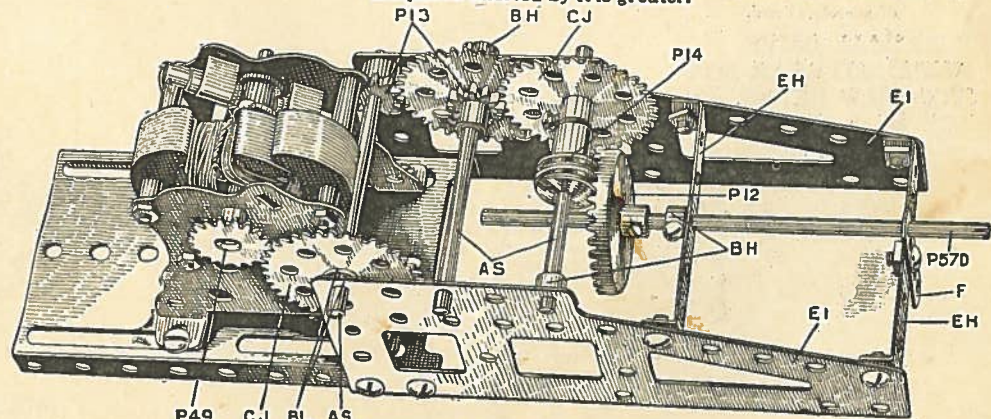


LOW SPEED TRAIN OF GEARS  
No. 5-4's

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

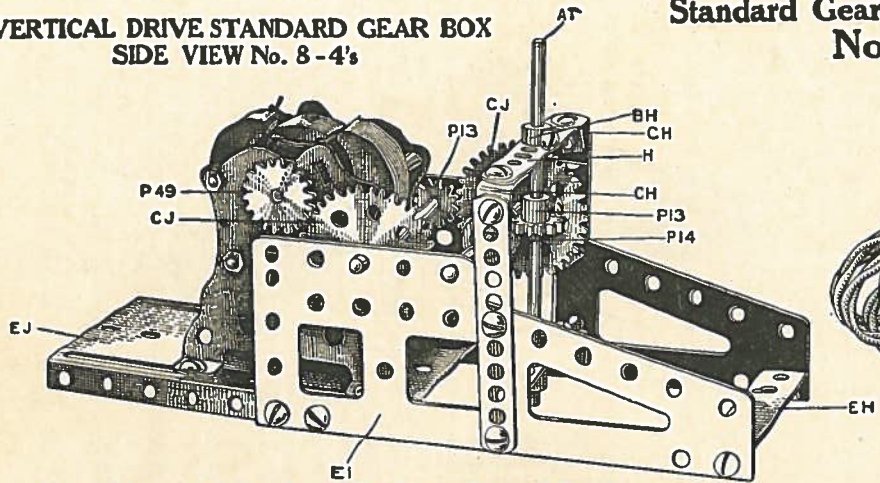


RIGHT ANGLE DRIVE - STANDARD GEAR BOX  
TOP VIEW DETAIL  
No. 7-4's

# Models Built With No. 4 Erector

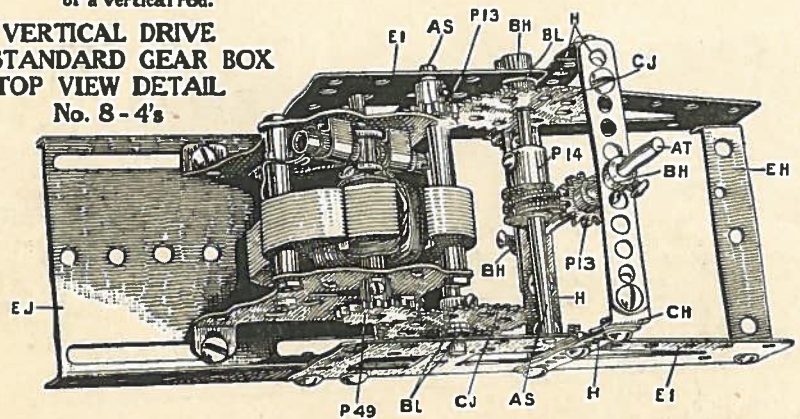
## Standard Gear Box Section No. 4

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

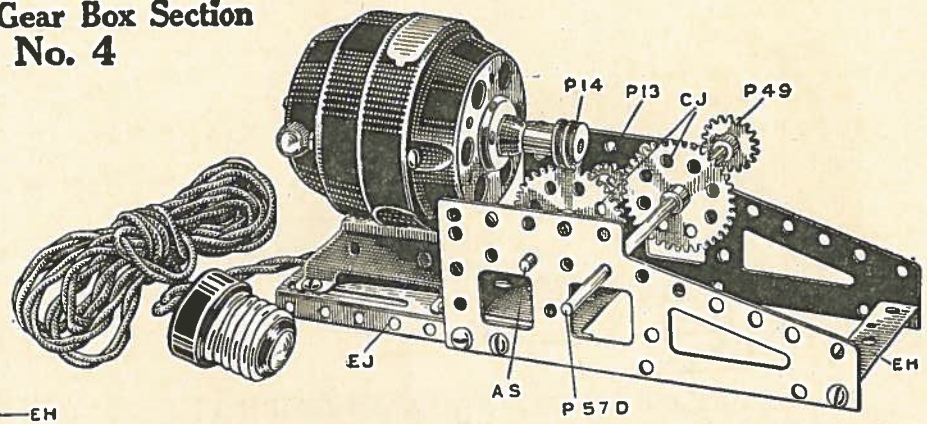


Note: This type is designed specially where a change of direction is desired and a slow motion as in turning a bridge by means of a vertical rod.

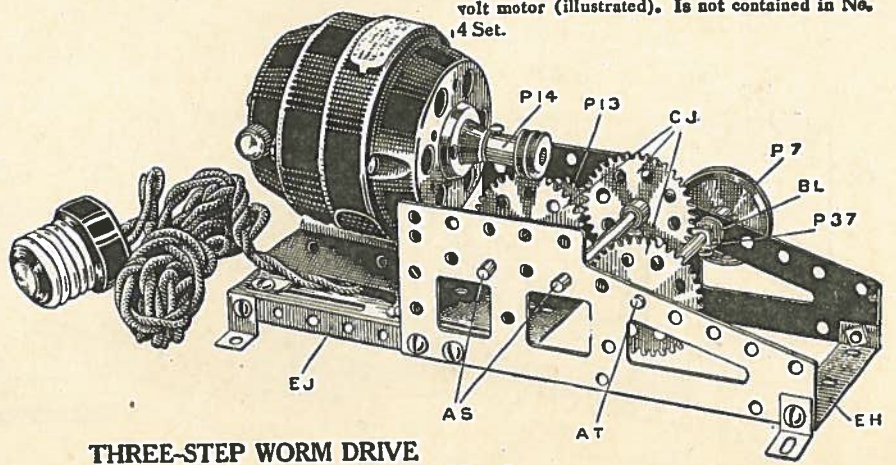
**VERTICAL DRIVE  
STANDARD GEAR BOX  
TOP VIEW DETAIL  
No. 8-4's**



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. 4 Set.

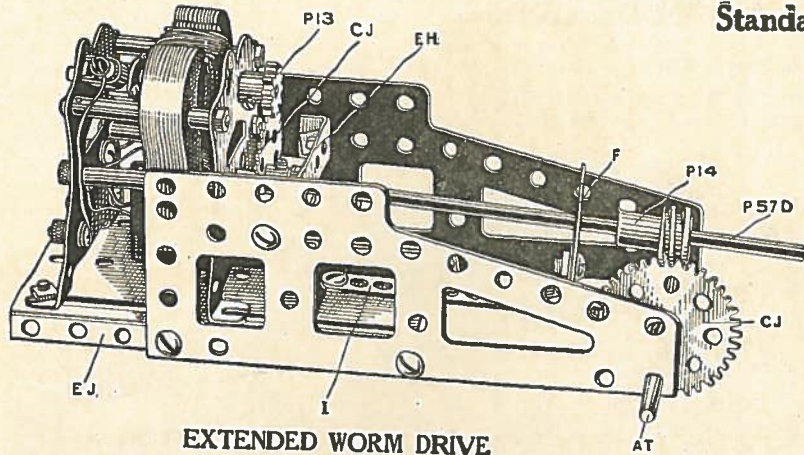


**THREE-STEP WORM DRIVE  
WITH 110 VOLT MOTOR No. 10-4's**

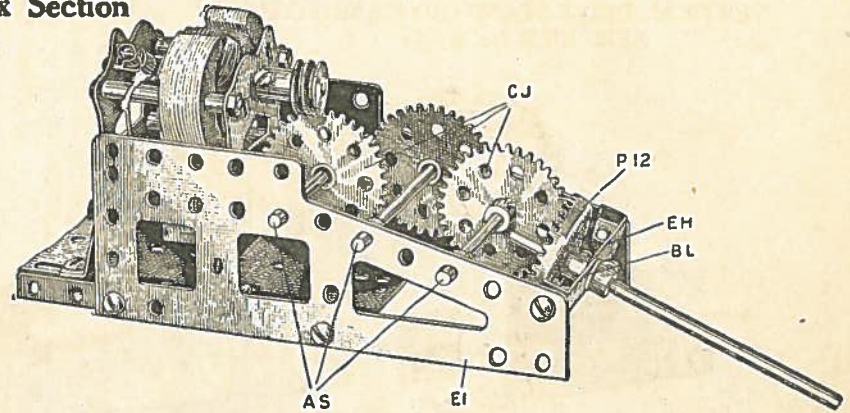
Mount P58 Motor in same manner as 110 volt motor (illustrated). Is not contained in No. 4 Set.

# Models Built With No. 4 Erector

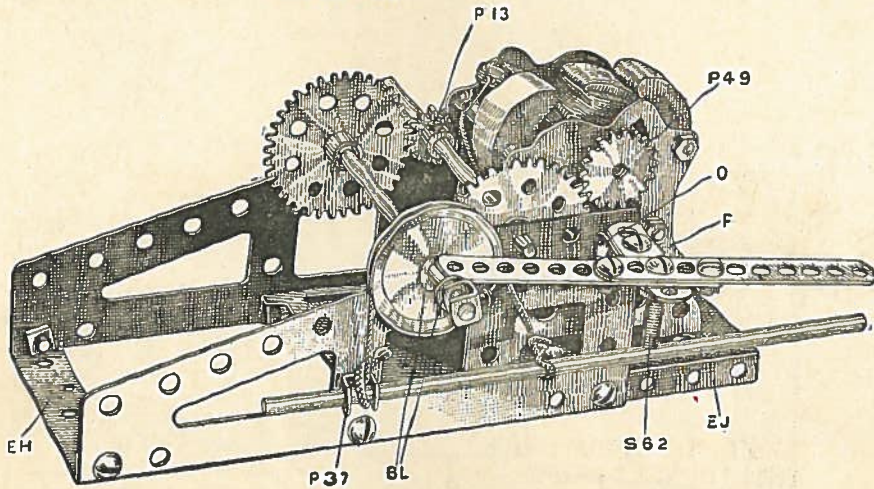
## Standard Gear Box Section No. 4



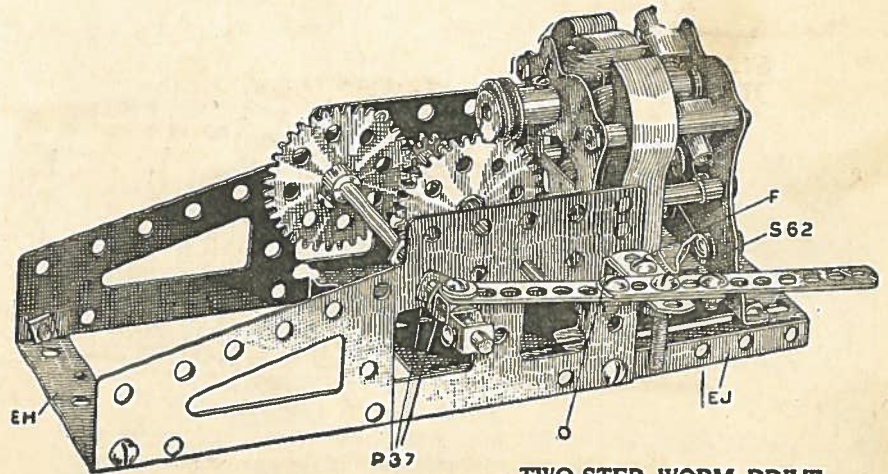
**EXTENDED WORM DRIVE**  
No. 11-4's



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



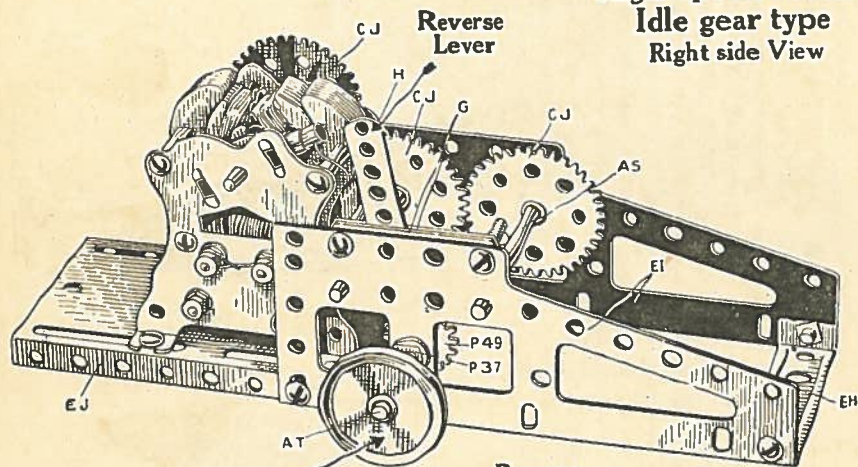
**SIMPLE TWO-STEP HOIST WITH GEAR RELEASE AND BRAKE**  
No. 13-4's



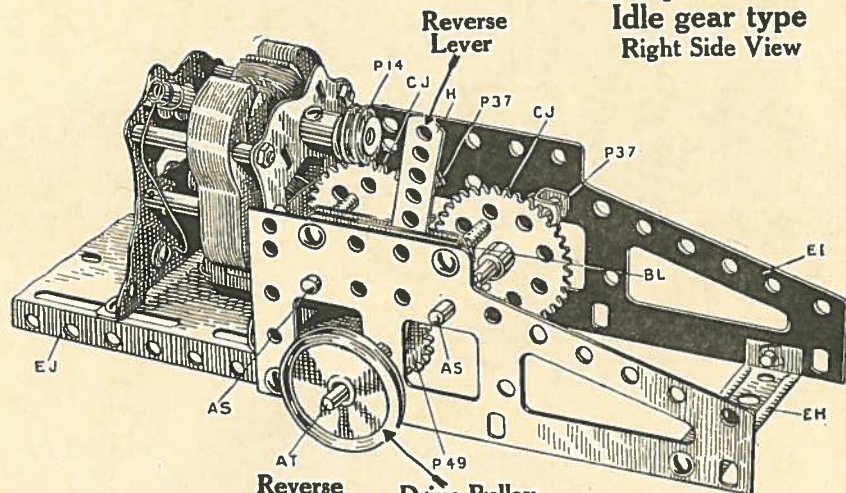
**TWO-STEP WORM DRIVE  
WITH RELEASE SHAFT**  
No. 14-4's

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

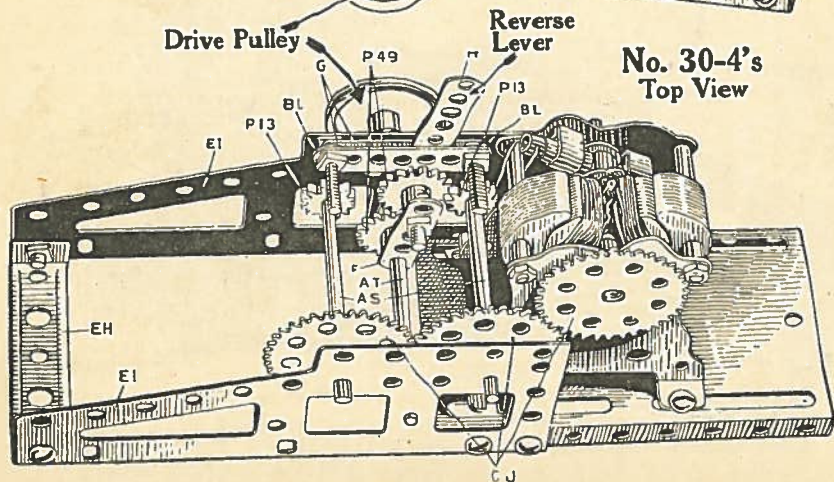
No. 30-4's  
High speed reverse  
Idle gear type  
Right side View



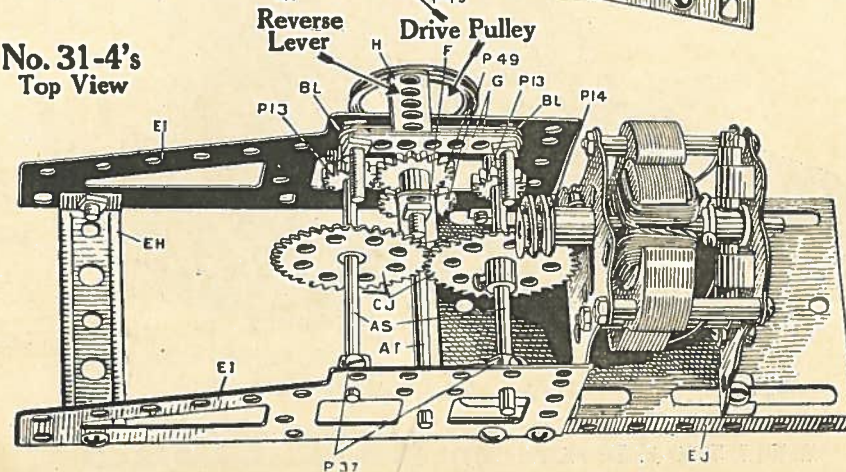
No. 31-4's  
Low speed reverse  
Idle gear type  
Right Side View



Drive Pulley  
Reverse Lever  
No. 30-4's  
Top View



No. 31-4's  
Top View



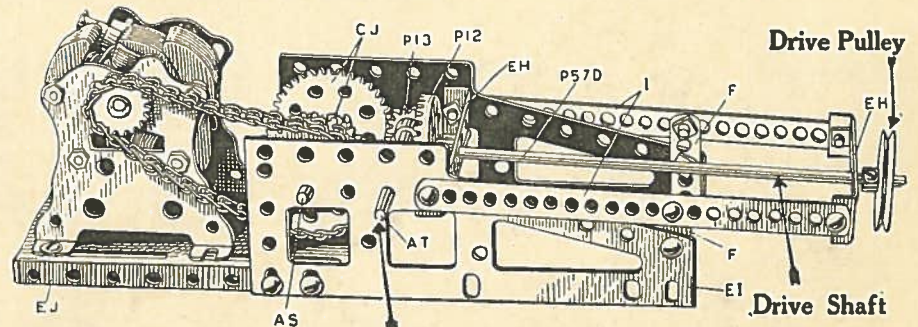
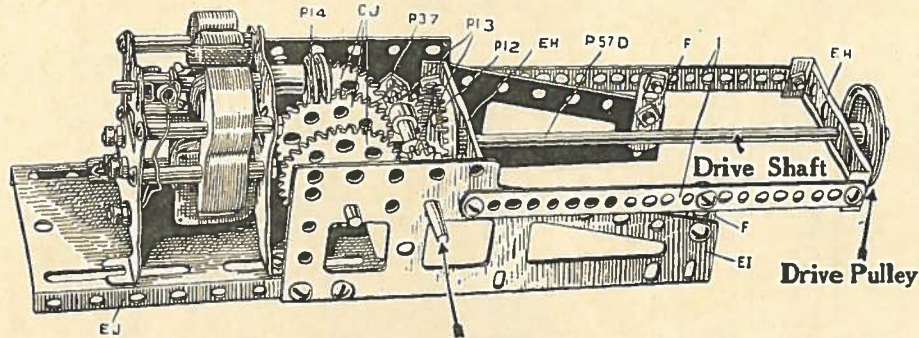
# Models Built With No. 4 Erector Standard Gear Box Reverse Combinations

**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.

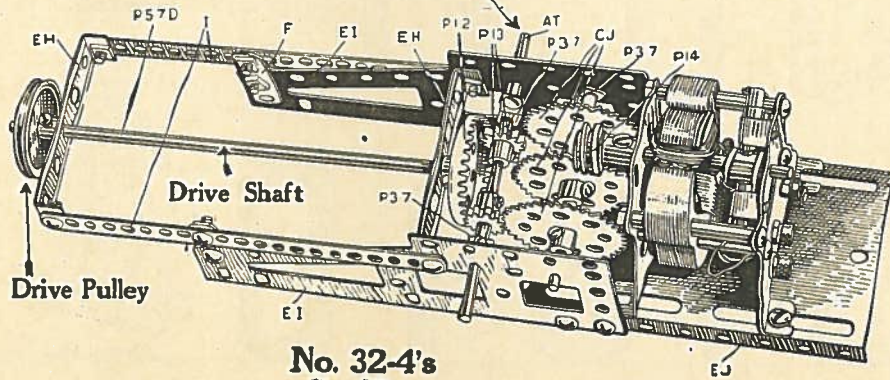
If you desire a simple motor reverse, see part B. O. in Erector Separate Parts Section, electrical accessory column, or reverse base P59 under "Motors and Hoisting Units."

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

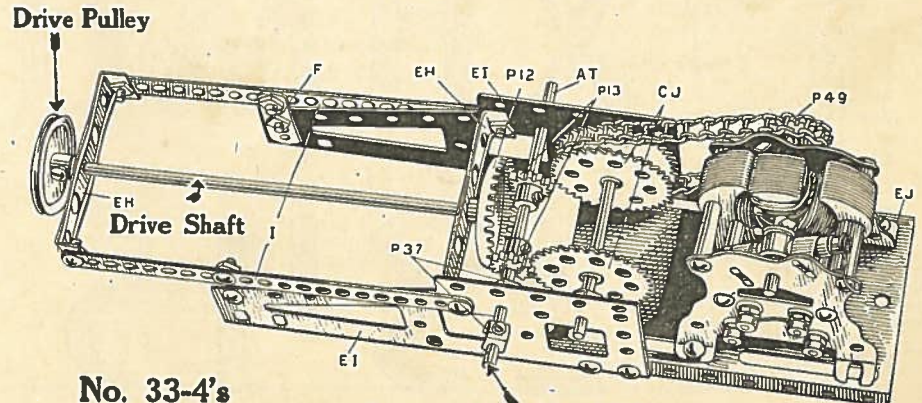


Leave end play for shifting gears

Leave end play for shifting gears



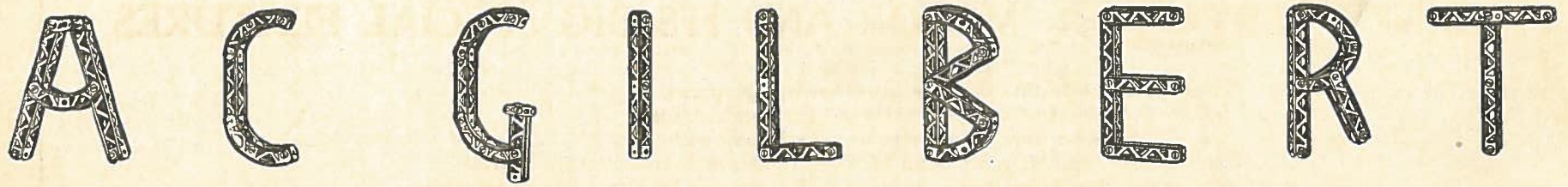
**No. 32-4's**  
Top View



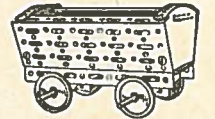
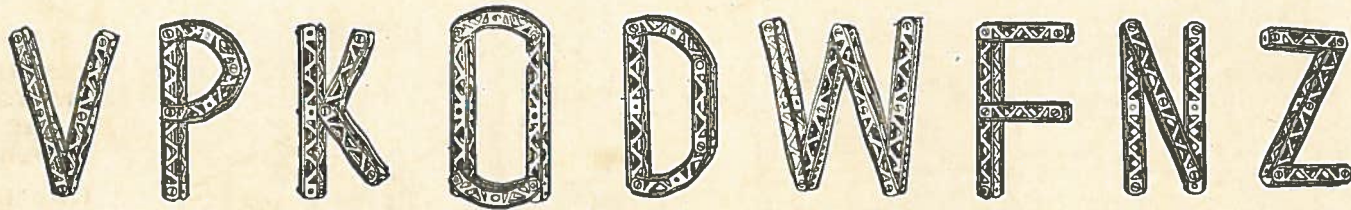
**No. 33-4's**  
Top View

Leave end play for shifting gears

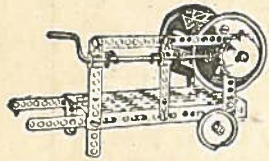
MODELS BUILT WITH NO. 4 ERECTOR



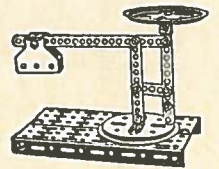
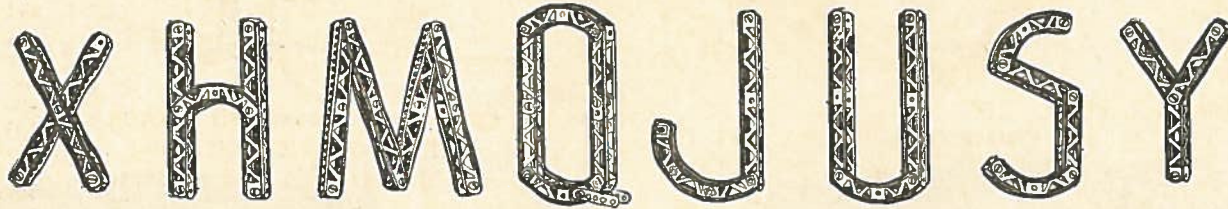
Table



Coal Wagon



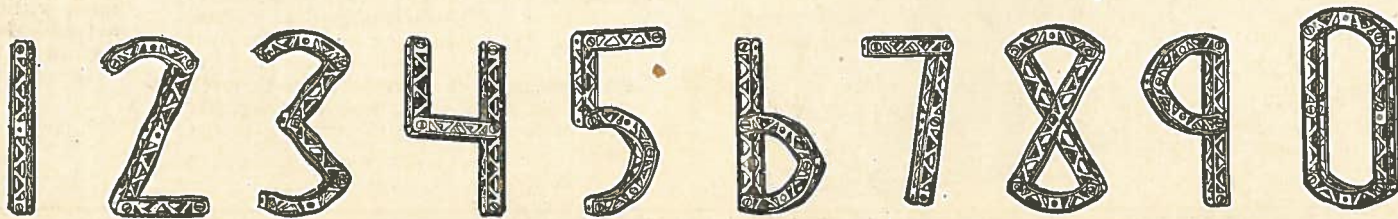
Hand Cement Mixer



Letter Scale



Settee

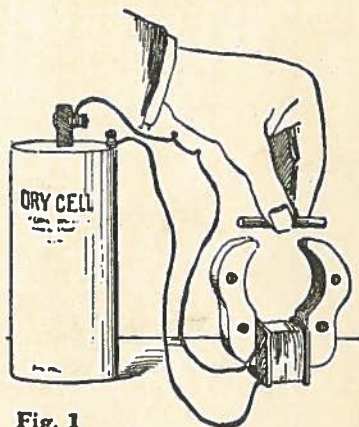


Electric Doll



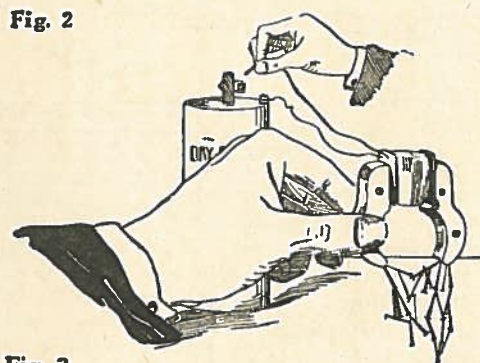
# THE NEW **ERECTOR** MOTOR AND ITS BIG SPECIAL FEATURES

- 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.



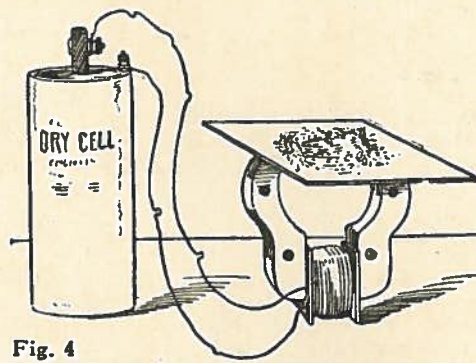
**Fig. 1**  
**EXPERIMENT 1—HOW TO TEST THE FIELD MAGNET**

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**  
**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

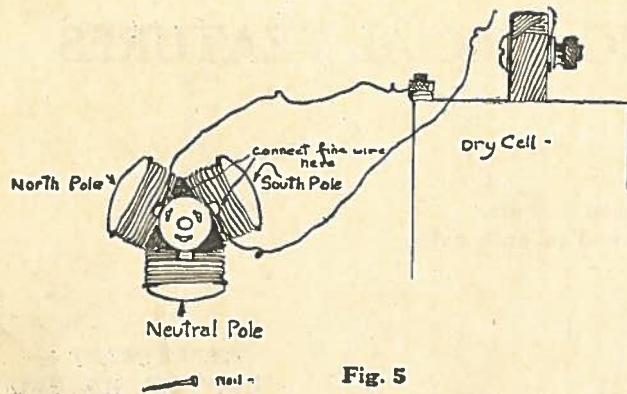


Fig. 5

## 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.

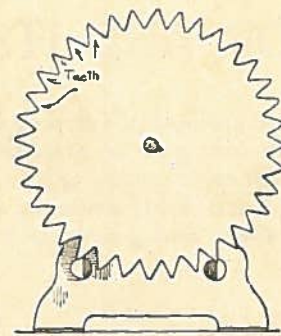


Fig. 6

## 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.

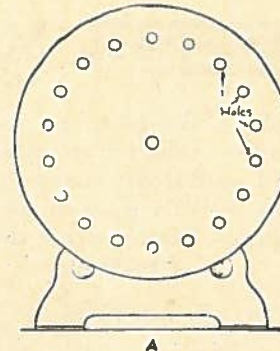


Fig. 7

## 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 mouth-piece of cardboard and fix the small end of it to one end of the tube. Now run your motor and then blow with the mouth-piece, 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.

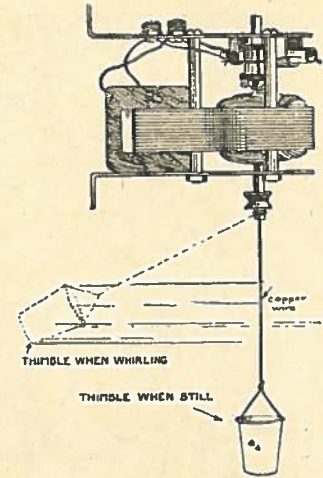
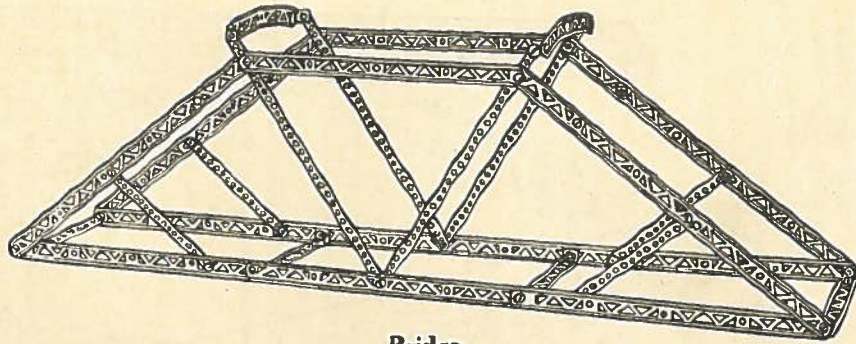


Fig. 8

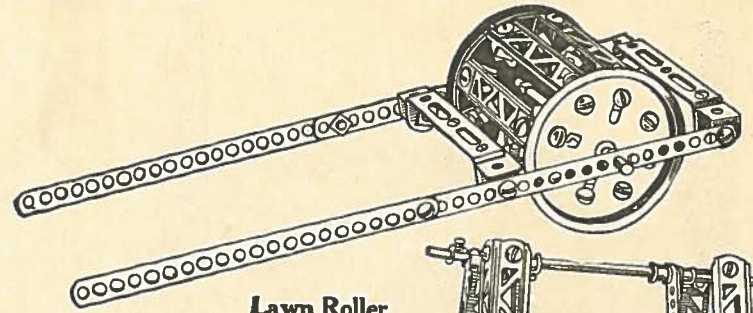
## EXPERIMENT 8—THE PAIL OF WATER THAT JACK CAN'T SPILL

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.

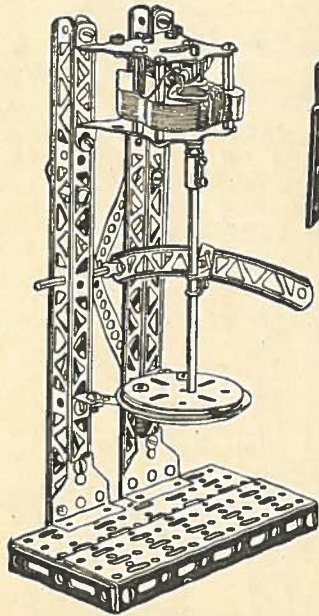
# MODELS BUILT WITH NO. 4 ERECTOR



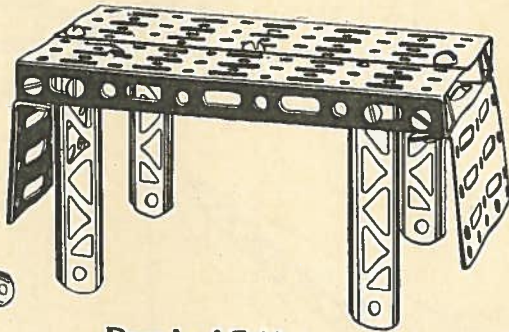
Bridge



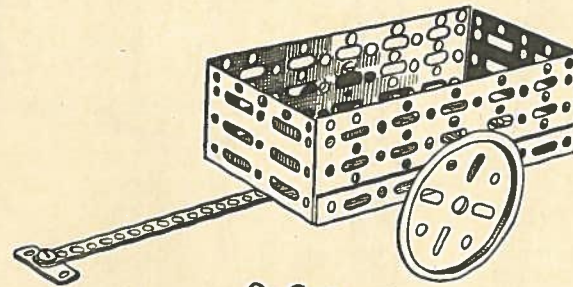
Lawn Roller



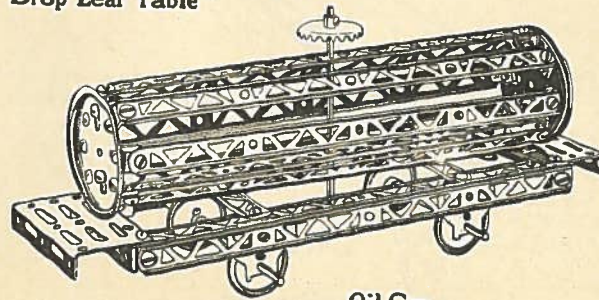
Electric Drill Press



Drop Leaf Table



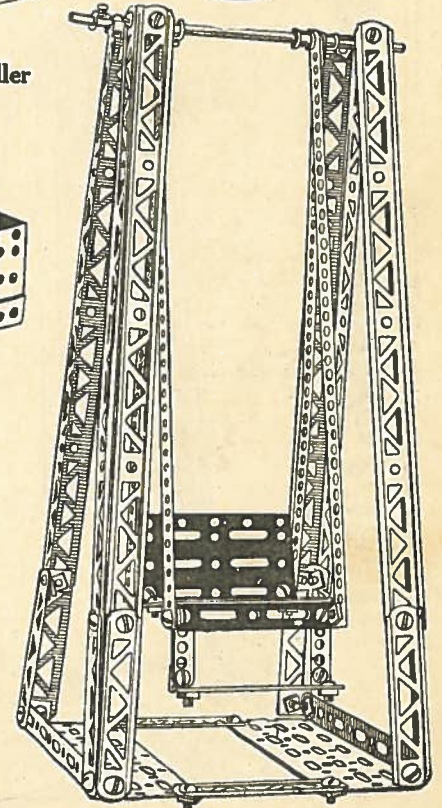
Ox Cart



Oil Car

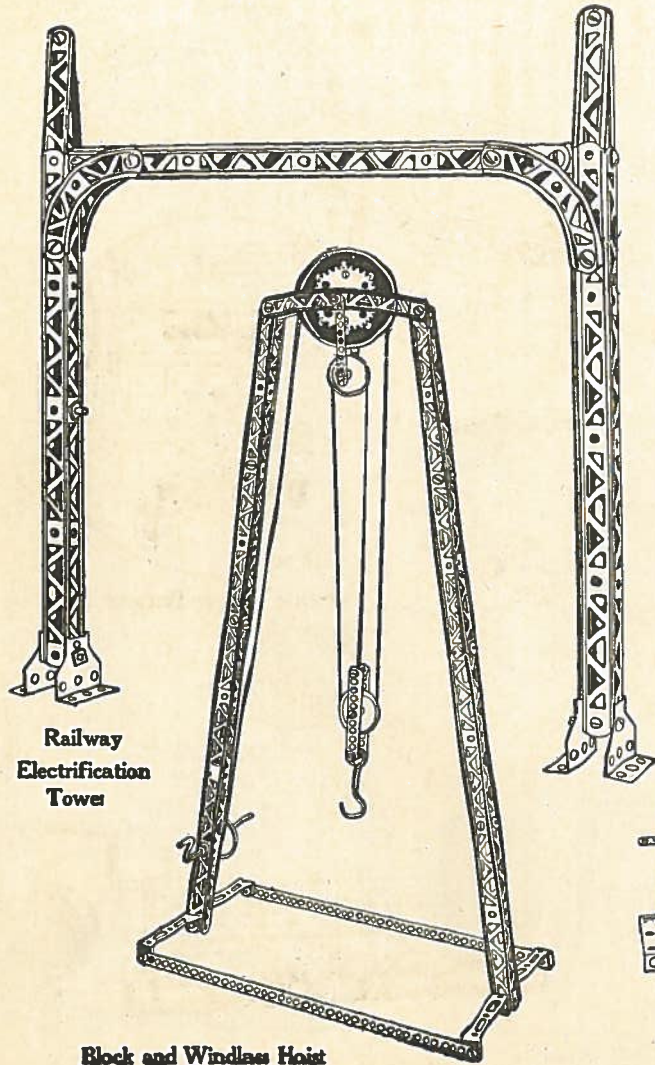


Milking Stool



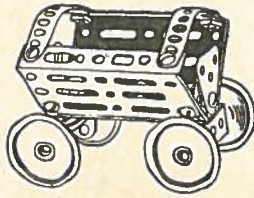
Lawn Swing

MODELS BUILT WITH NO. 4 ERECTOR

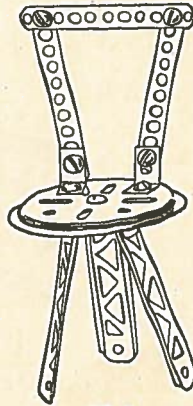


Railway  
Electrification  
Tower

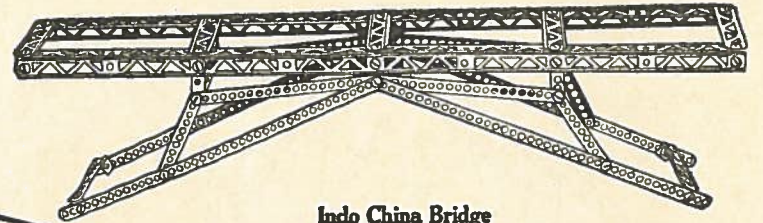
Block and Winches Hoist



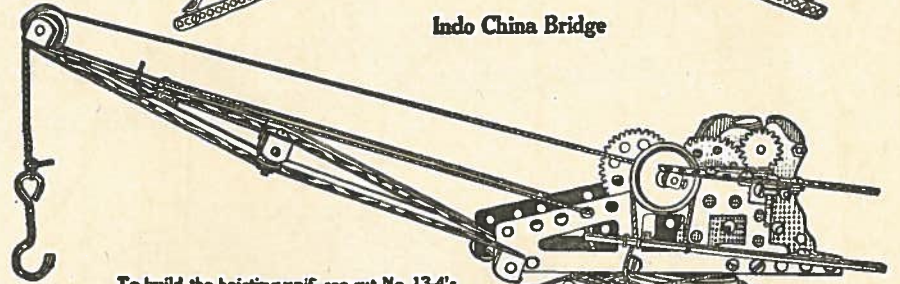
Small Coal Car



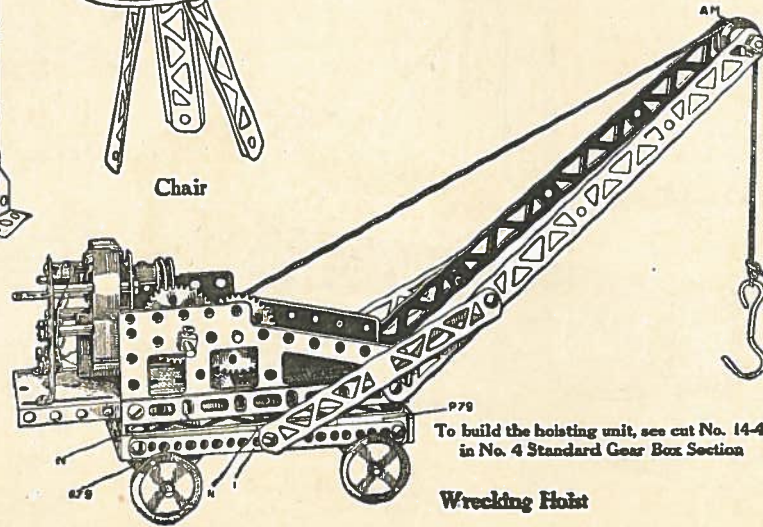
Chair



Indo China Bridge

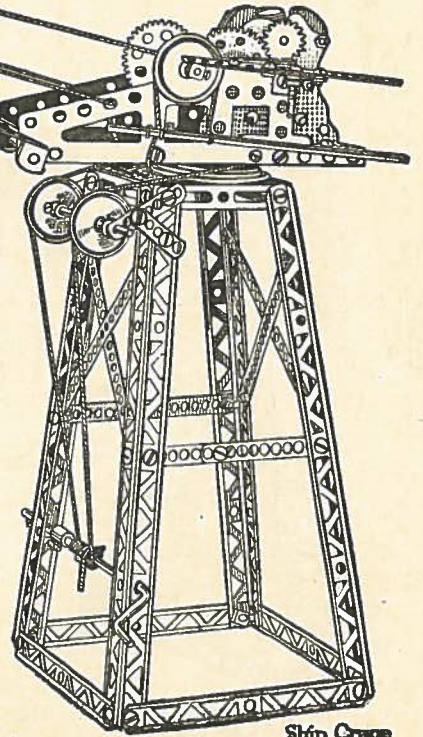


To build the hoisting unit, see cut No. 13-4's  
in No. 4 Standard Gear Box Section



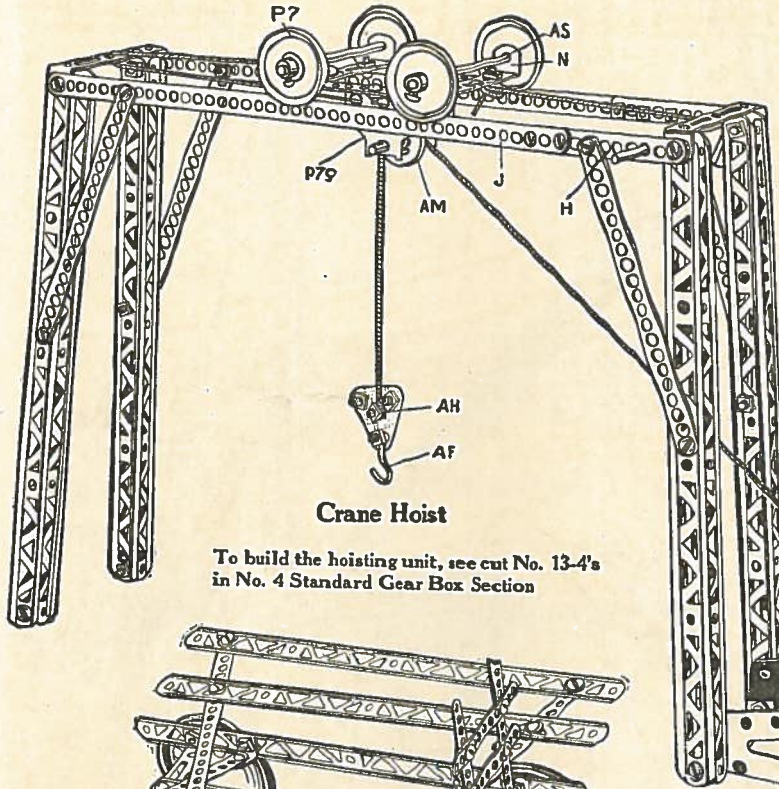
To build the hoisting unit, see cut No. 14-4's  
in No. 4 Standard Gear Box Section

Wrecking Hoist



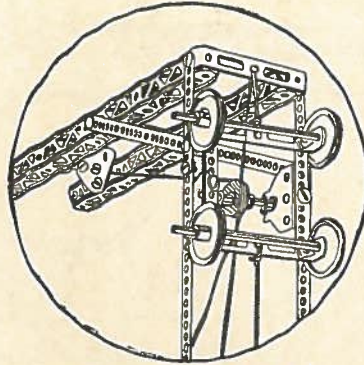
Ship Crane

# MODELS BUILT WITH NO. 4 ERECTOR

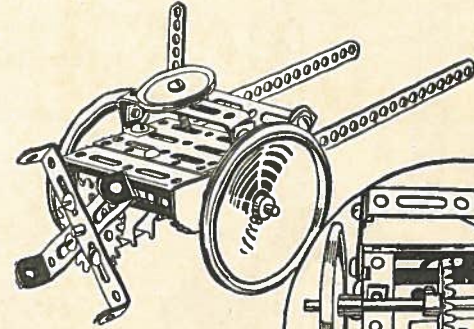


**Crane Hoist**

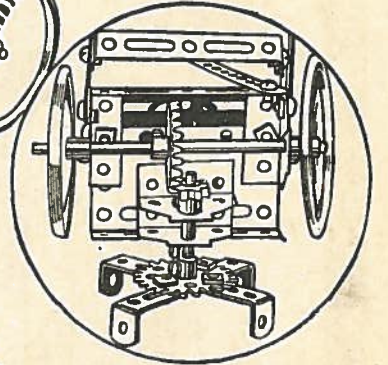
To build the hoisting unit, see cut No. 13-4's in No. 4 Standard Gear Box Section



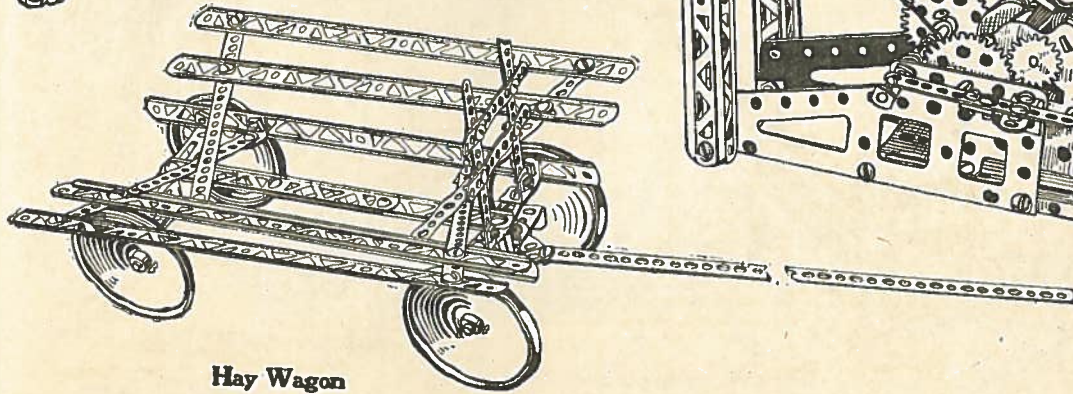
**Detail of Crane Hoist**



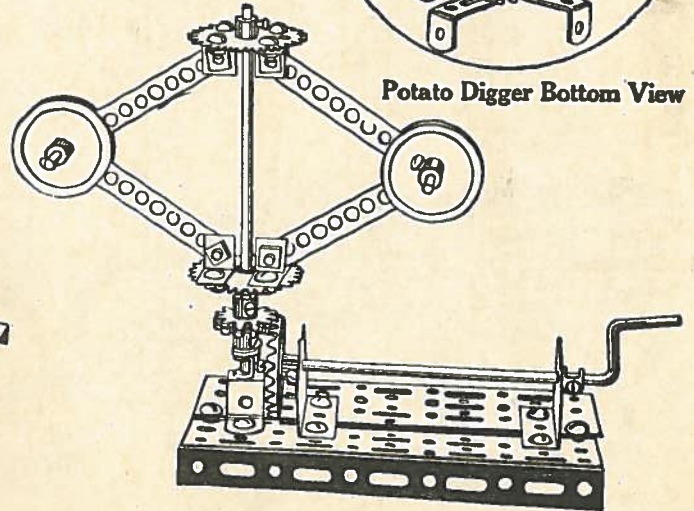
**Potato Digger**



**Potato Digger Bottom View**

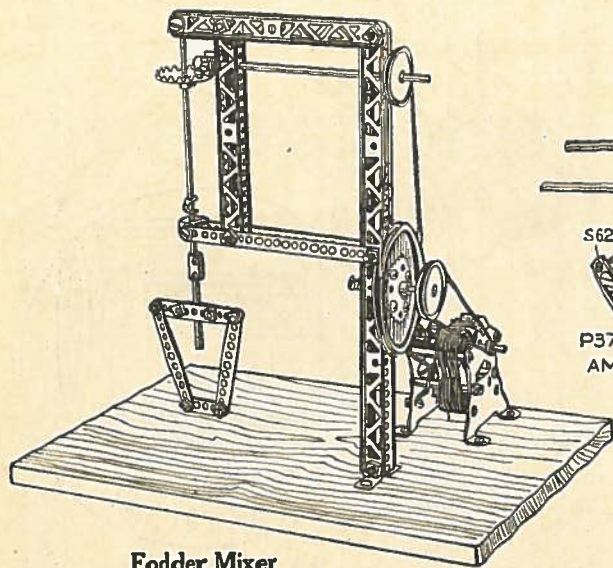


**Hay Wagon**

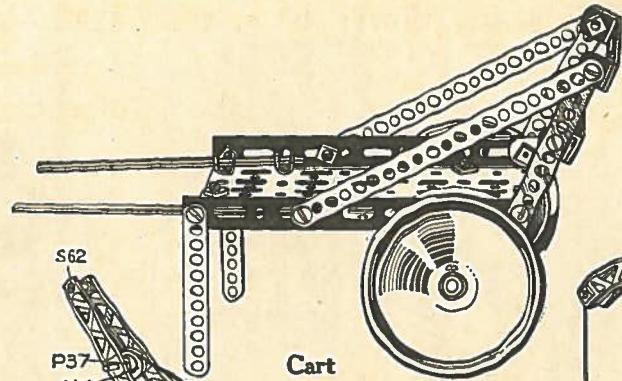


**Governor Principle**

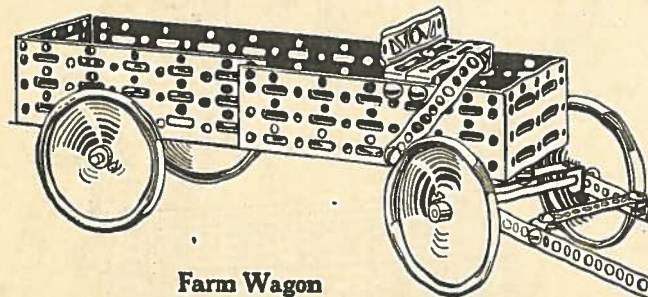
# MODELS BUILT WITH NO. 4 ERECTOR



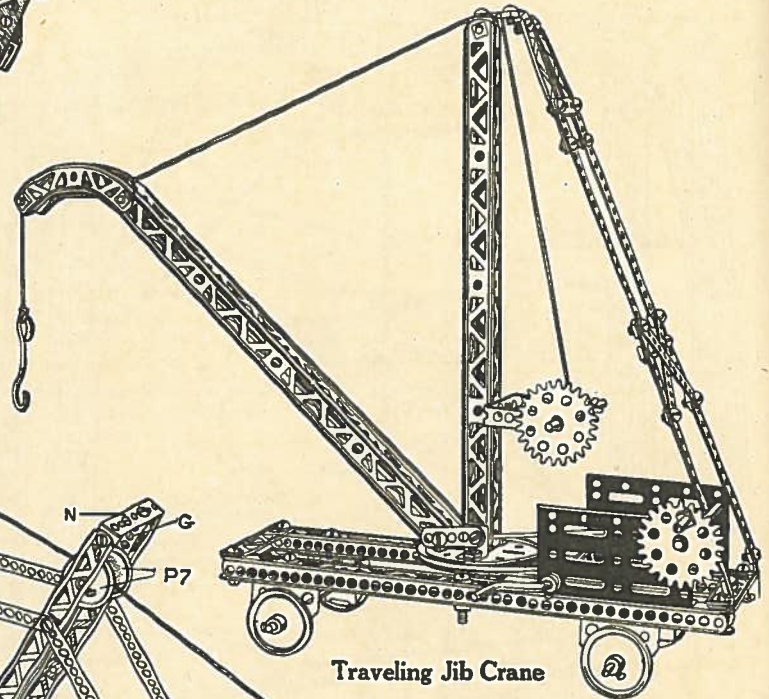
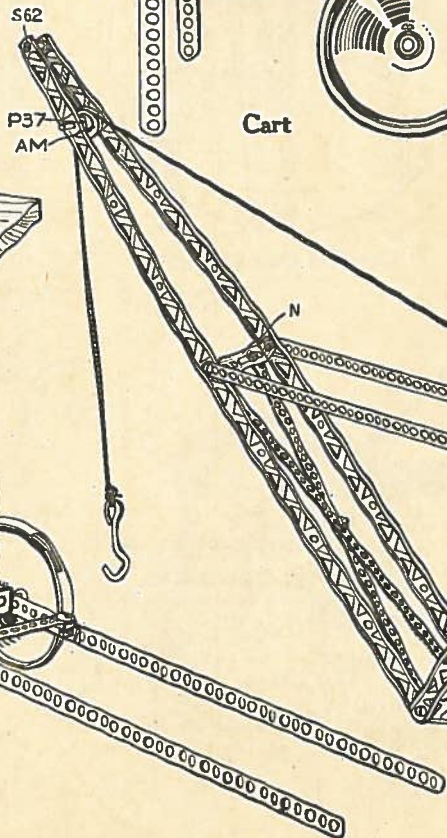
Fodder Mixer



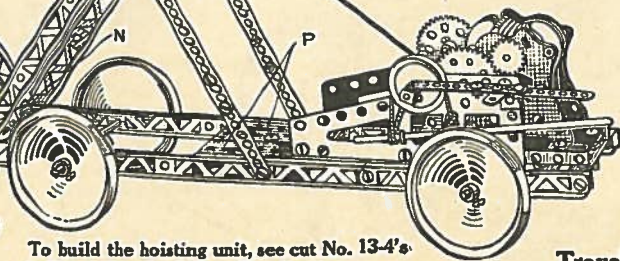
Cart



Farm Wagon



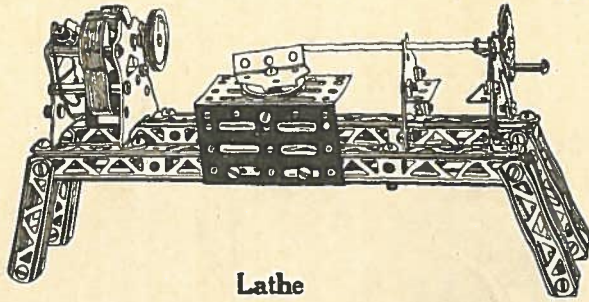
Traveling Jib Crane



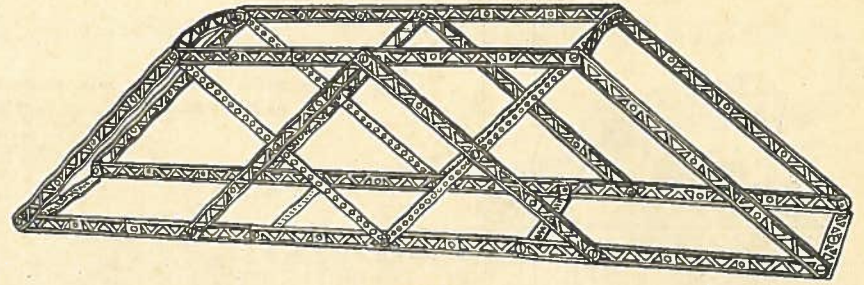
Traveling Jib Crane

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

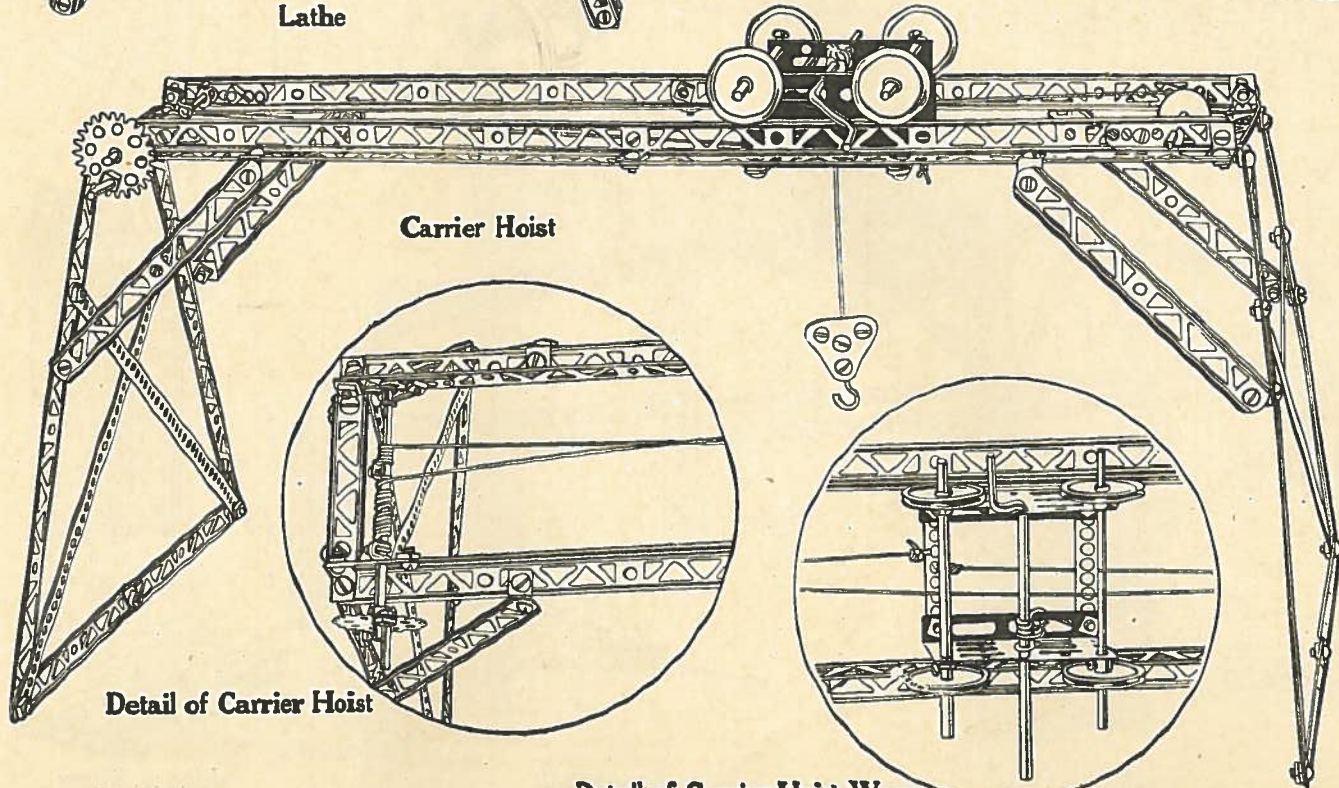
# MODELS BUILT WITH NO. 4 ERECTOR



Lathe



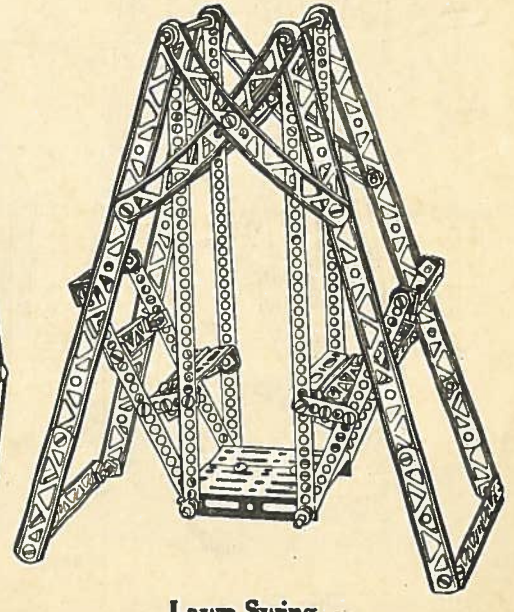
Bridge



Carrier Hoist

Detail of Carrier Hoist

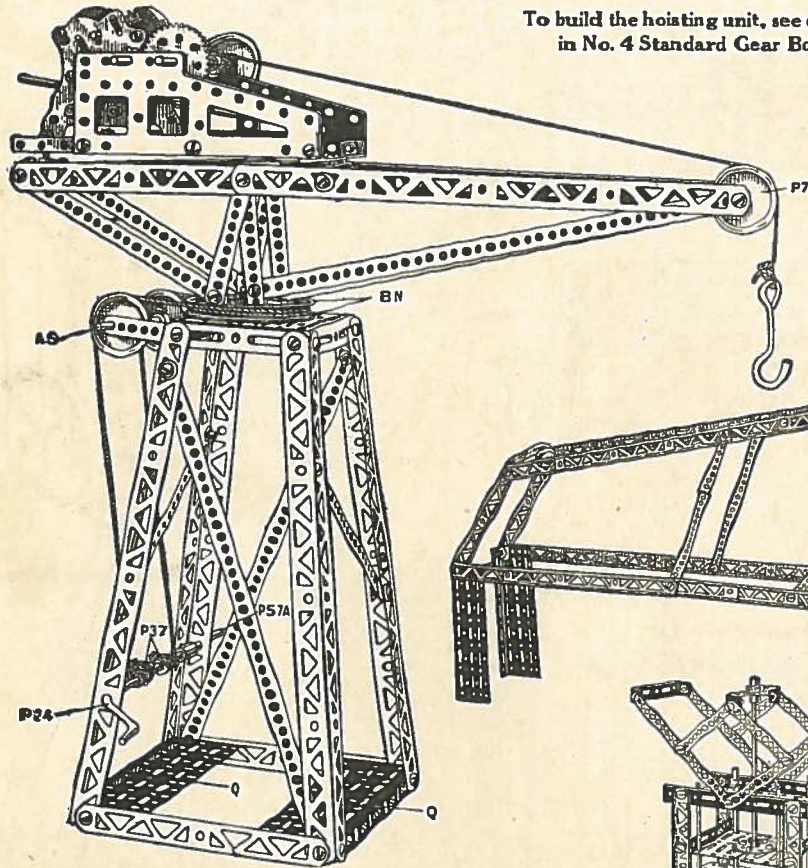
Detail of Carrier Hoist Wagon



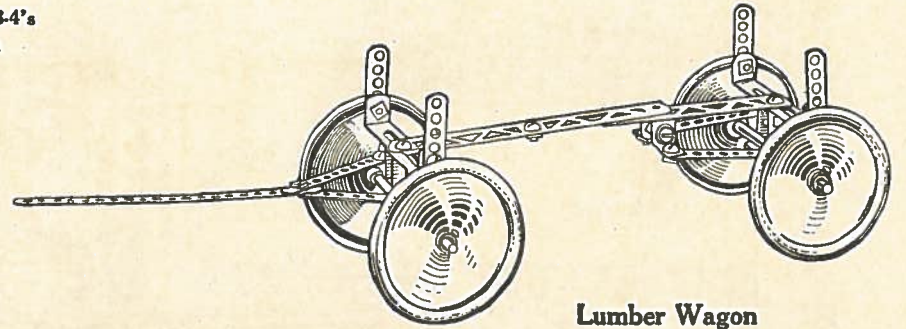
Lawn Swing

# MODELS BUILT WITH NO. 4 ERECTOR

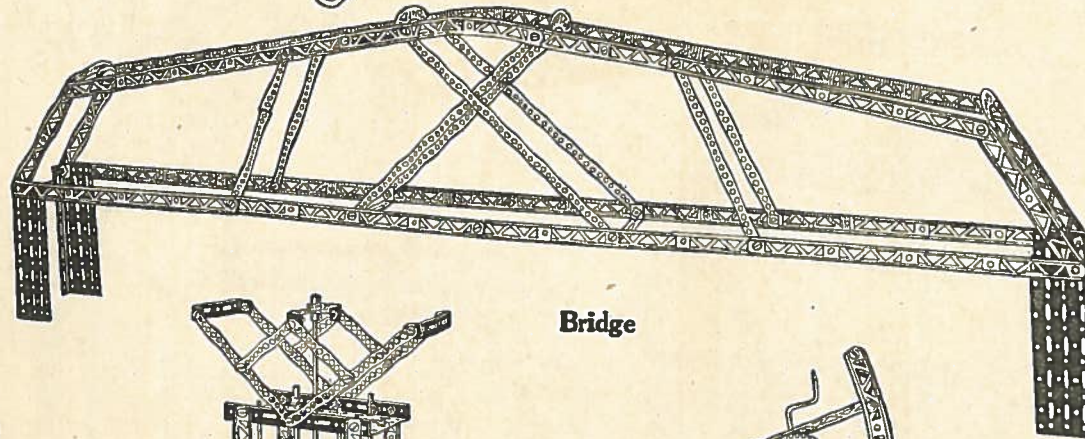
To build the hoisting unit, see cut No. 13-4's  
in No. 4 Standard Gear Box Section



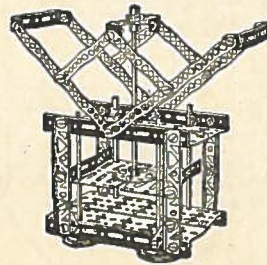
Ship Crane



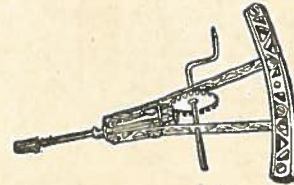
Lumber Wagon



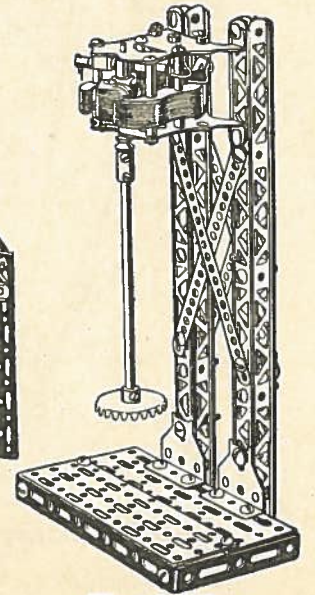
Bridge



Bailing Press



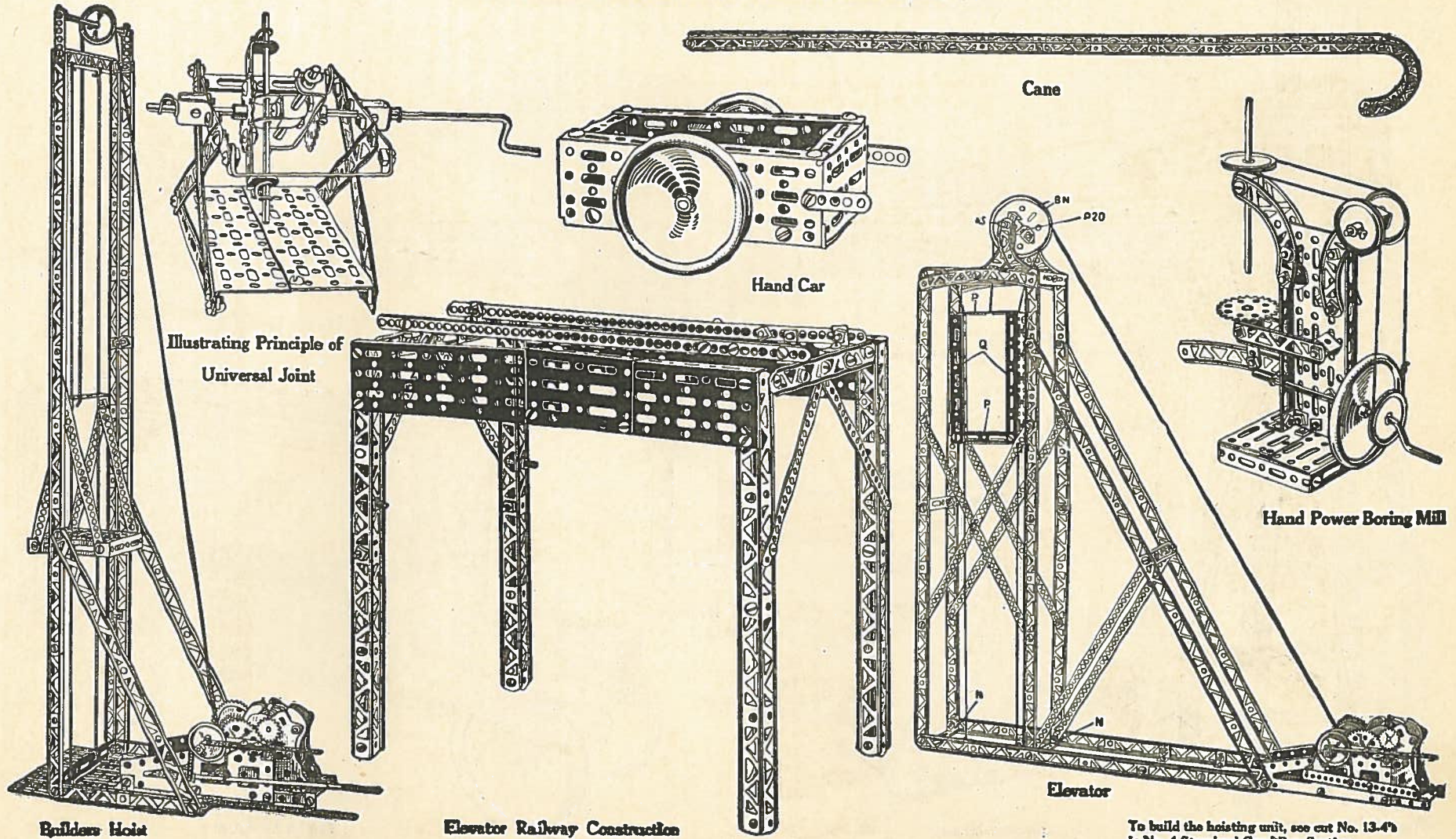
Breast Drill



Electric Mixer



MODELS BUILT WITH NO. 4 ERECTOR



Builders Hoist

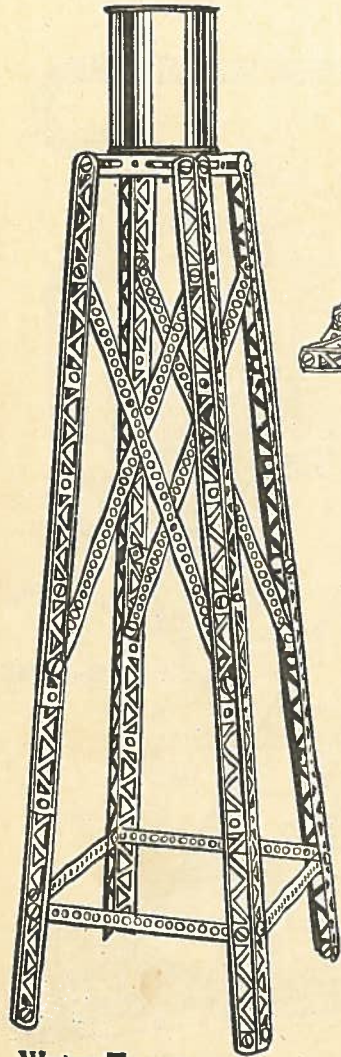
Elevator Railway Construction

Elevator

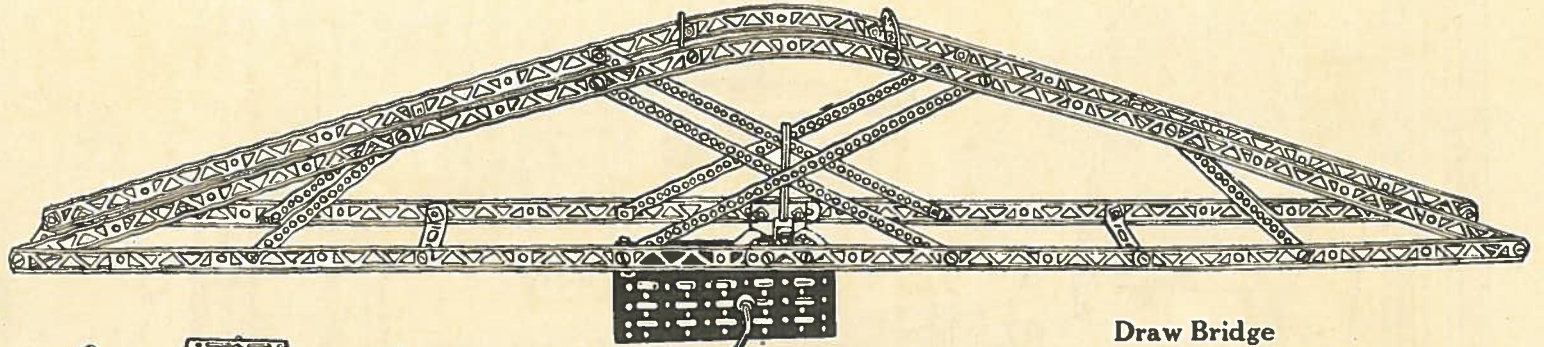
Hand Power Boring Mill

To build the hoisting unit, see cut No. 13-4<sup>b</sup> in No. 4 Standard Gear Box Section

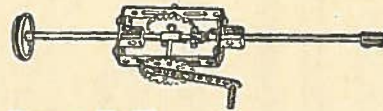
# MODELS BUILT WITH NO. 4 ERECTOR



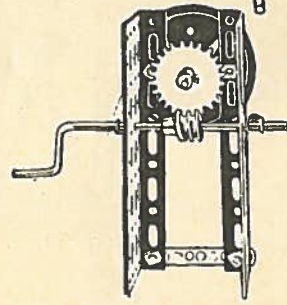
Water Tower



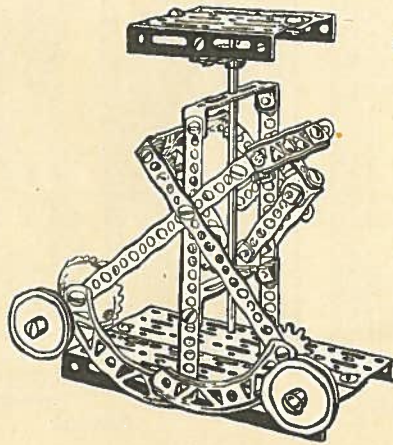
Draw Bridge



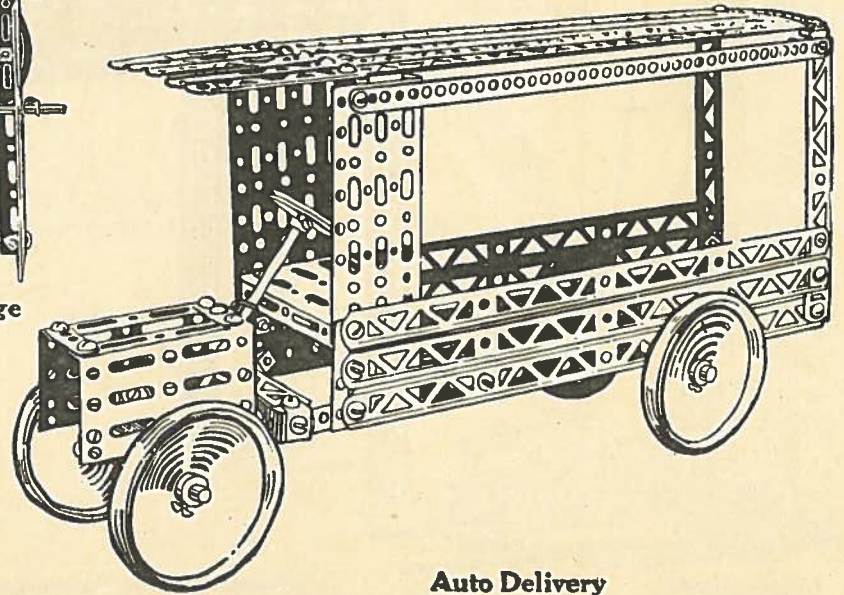
Breast Drill



Draw Bridge Detail



Letter Scale

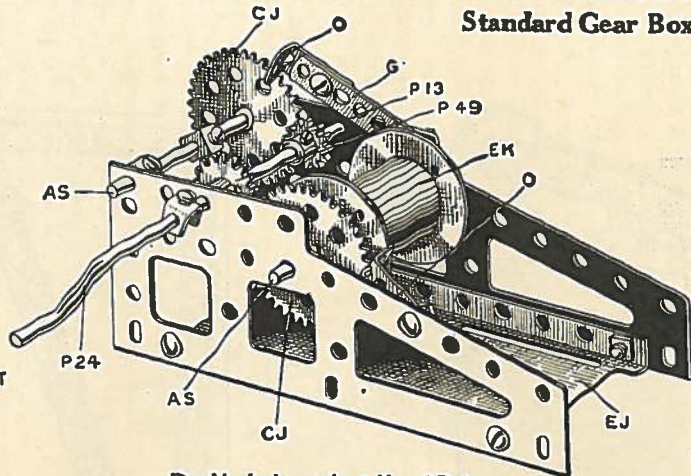


Auto Delivery

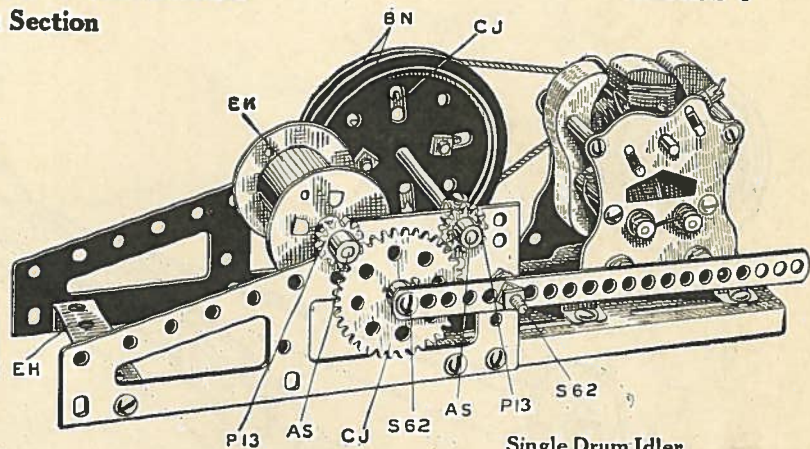
# Models Built With No. 6 Erector

## Standard Gear Box Section

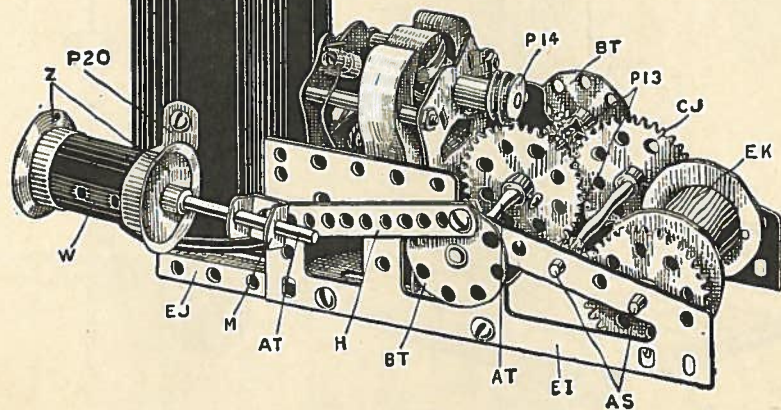
Section 4



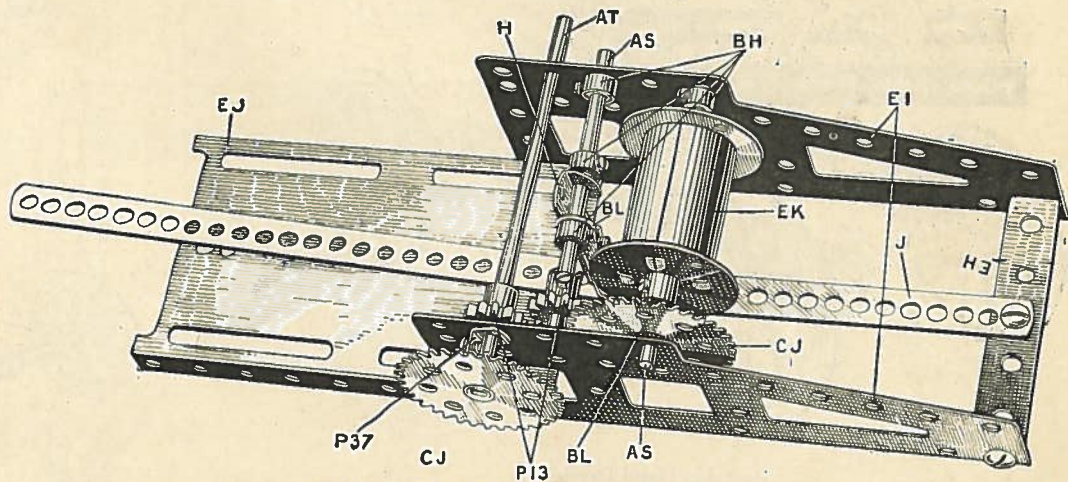
Double Independent Hand Driven  
Hoisting Unit No. 15-7's



Single Drum Idler  
Release No. 17-7's



Single Drum Hoisting Unit  
With Boiler No. 18-7's

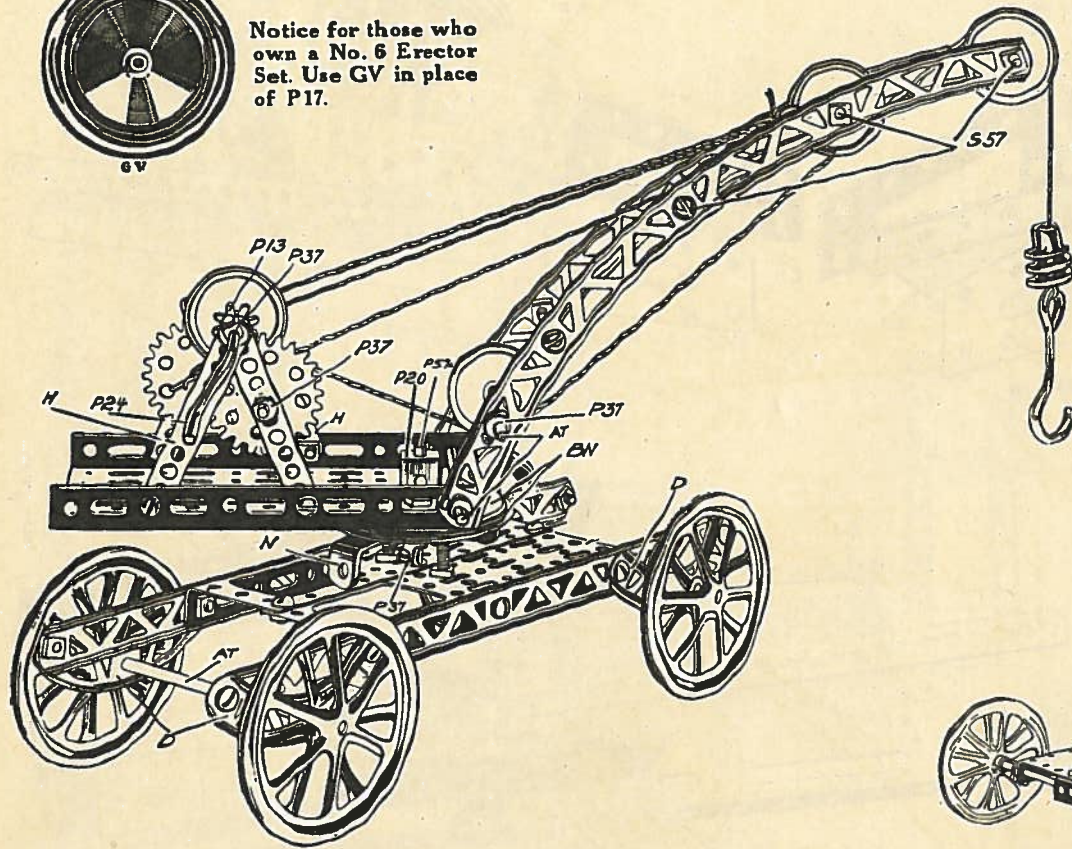


Single Drum Release  
Standard Gear Box - Top View Detail No. 16-7's

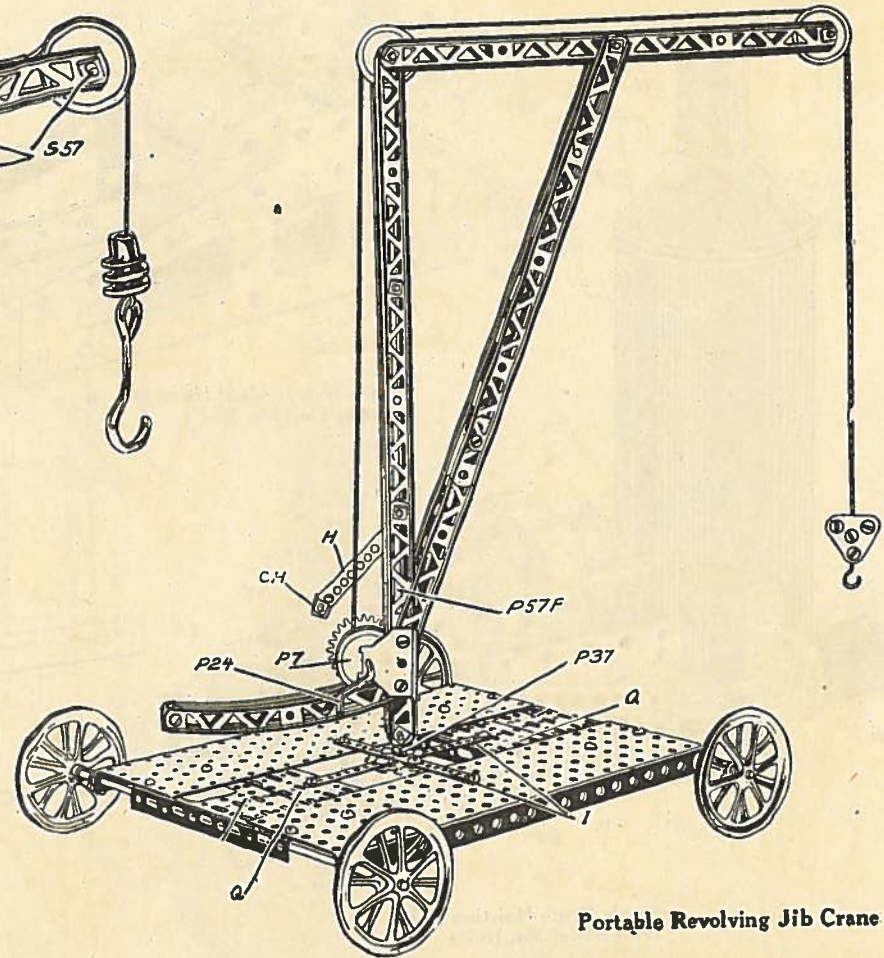
## Models Built with No. 6 Erector



Notice for those who own a No. 6 Erector Set. Use GV in place of P17.

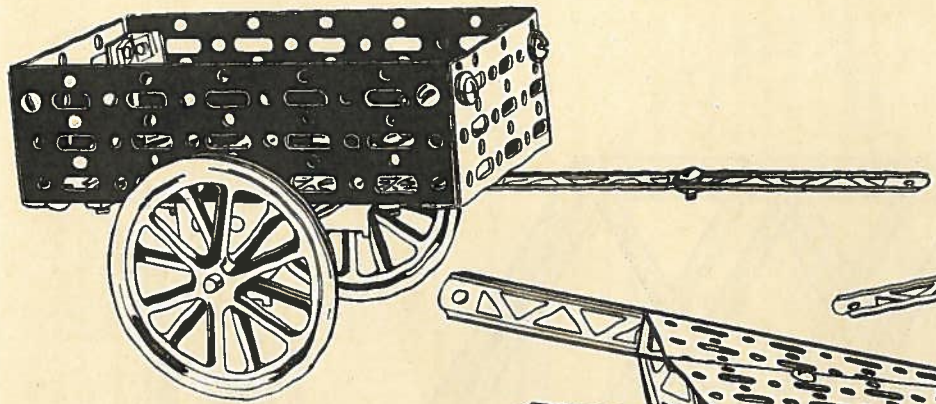


Portable Hand Derrick

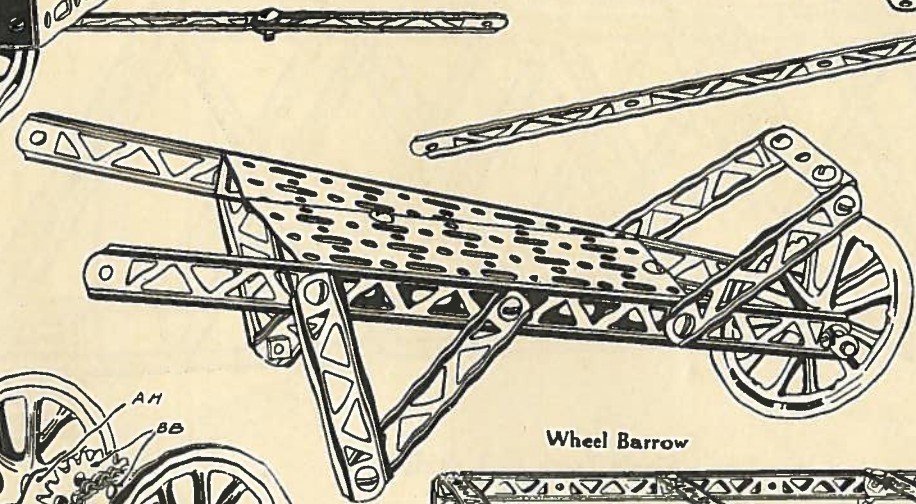


Portable Revolving Jib Crane

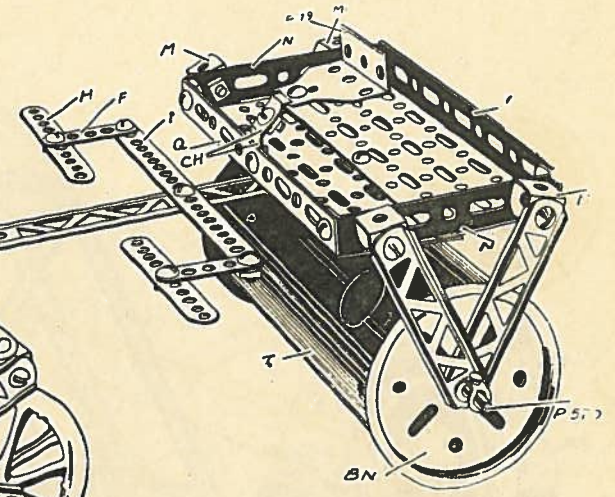
# Models Built with No. 6 Erector



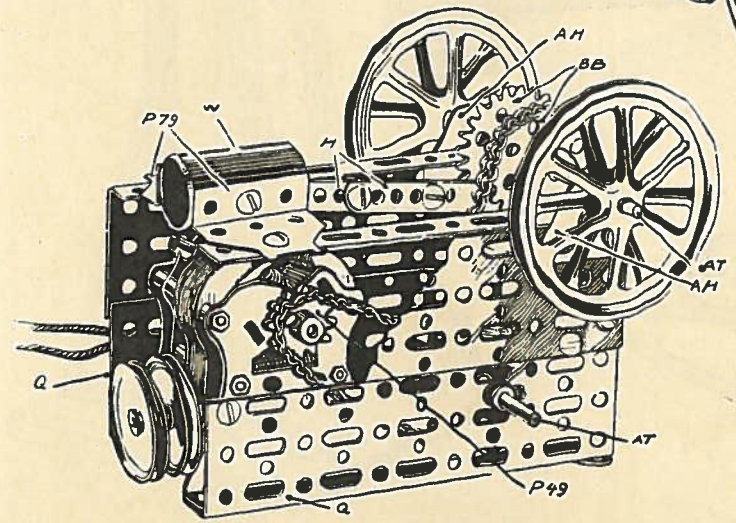
Cart



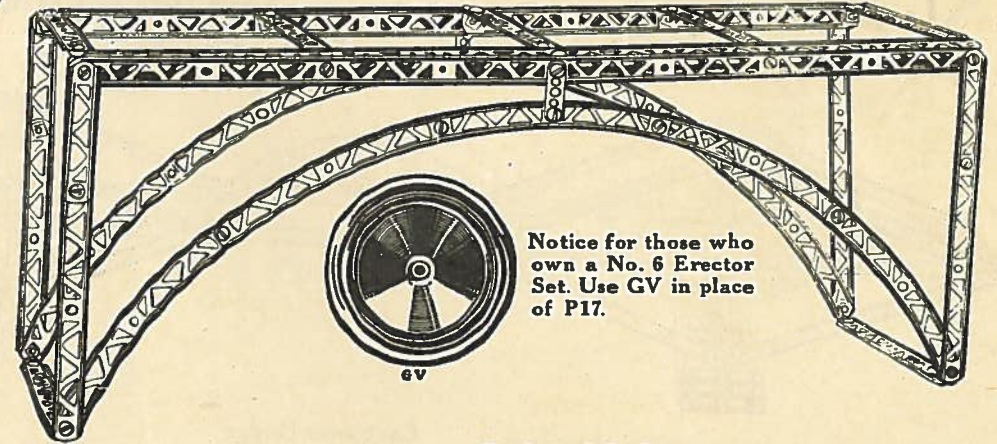
Wheel Barrow



Field Roller

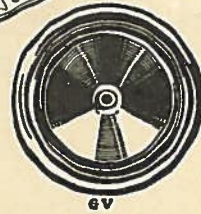


Gas Engine

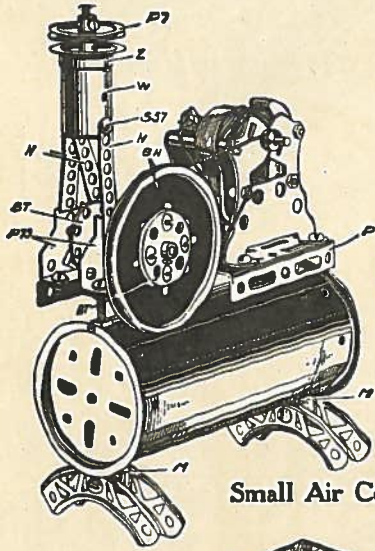


Single Arch Bridge

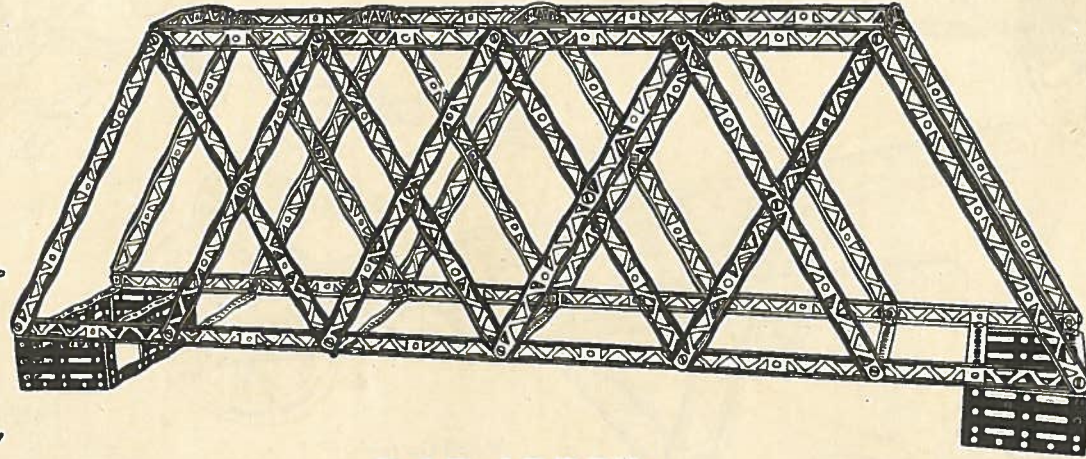
Notice for those who own a No. 6 Erector Set. Use GV in place of P17.



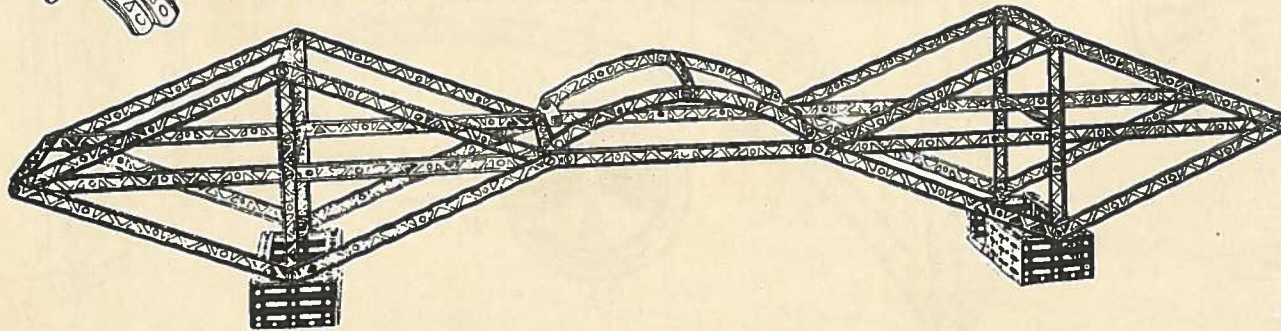
# Models Built with No. 6 Erector



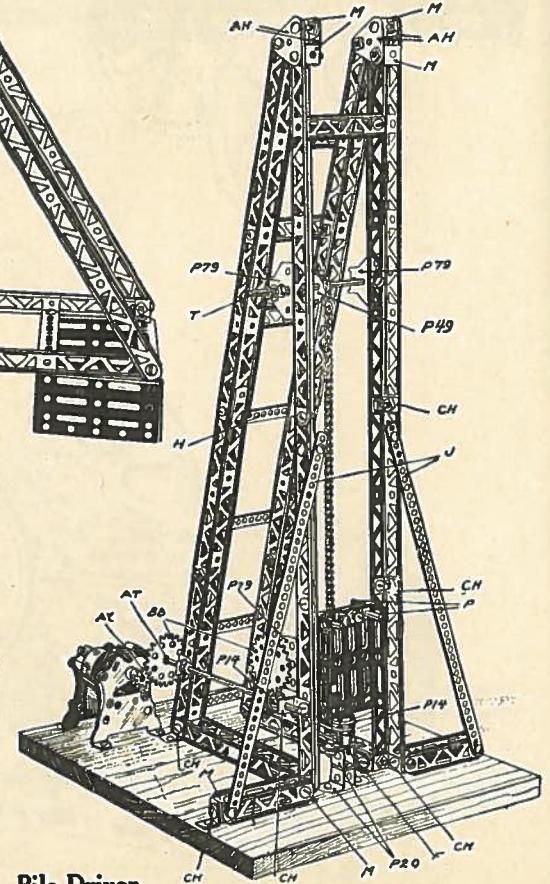
Small Air Compressor



Single Track R. R. Bridge



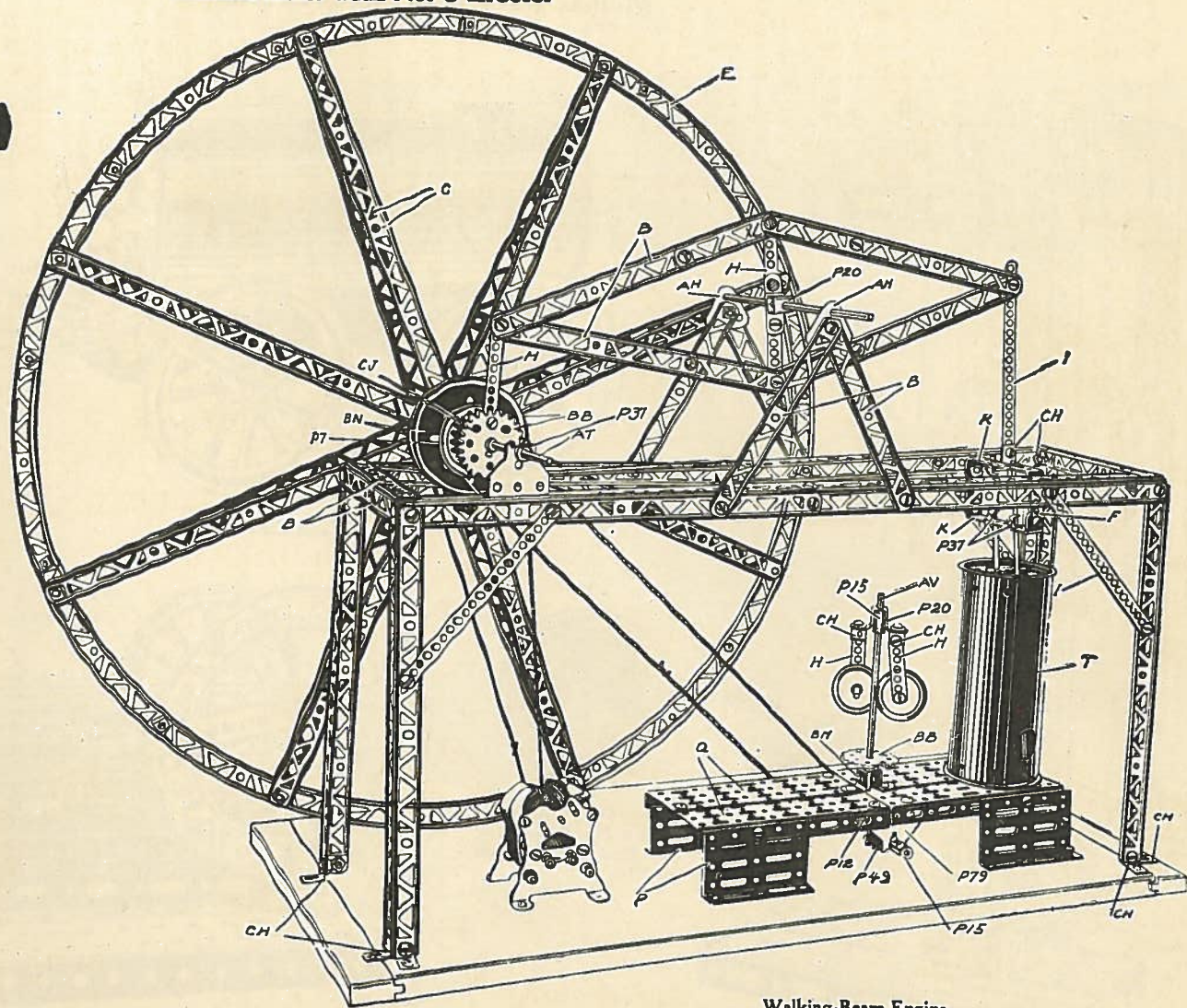
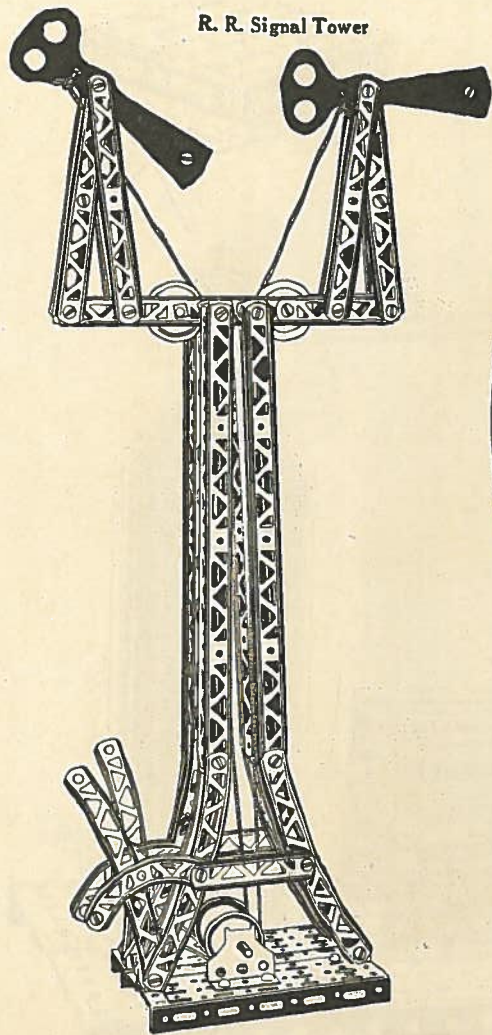
Cantilever Bridge



Pile Driver

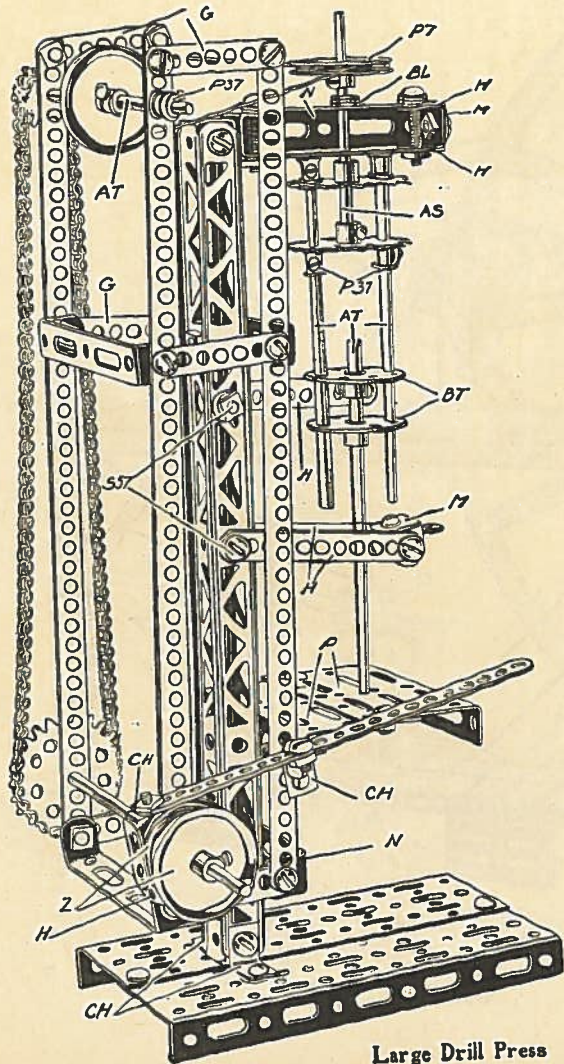
# Models Built with No. 6 Erector

R. R. Signal Tower

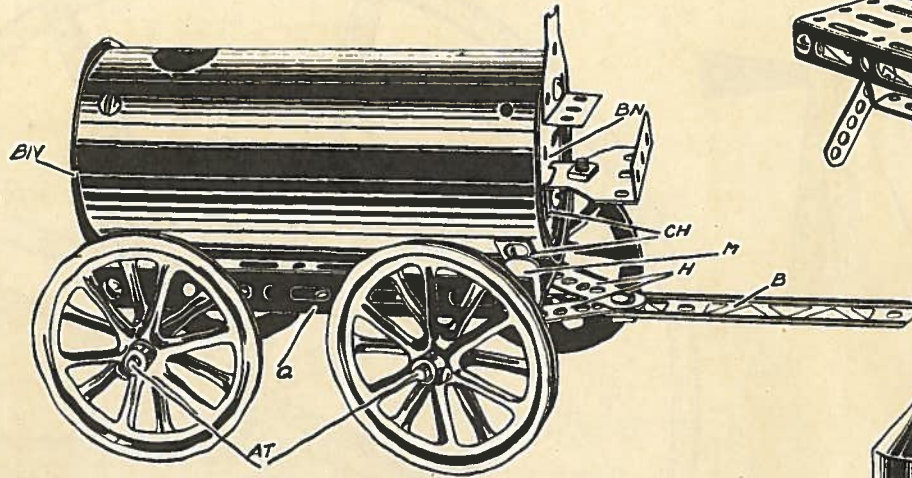


Walking-Beam Engine

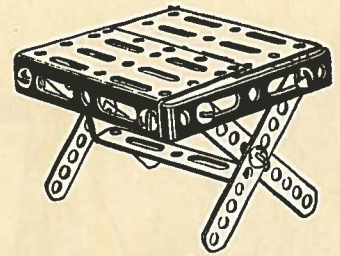
## Models Built with No. 6 Erector



Large Drill Press



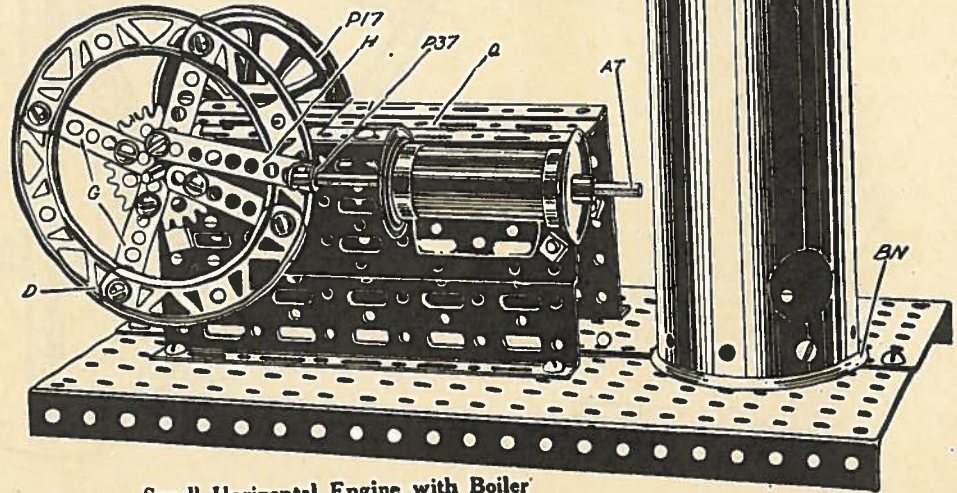
Tank Cart



Stool



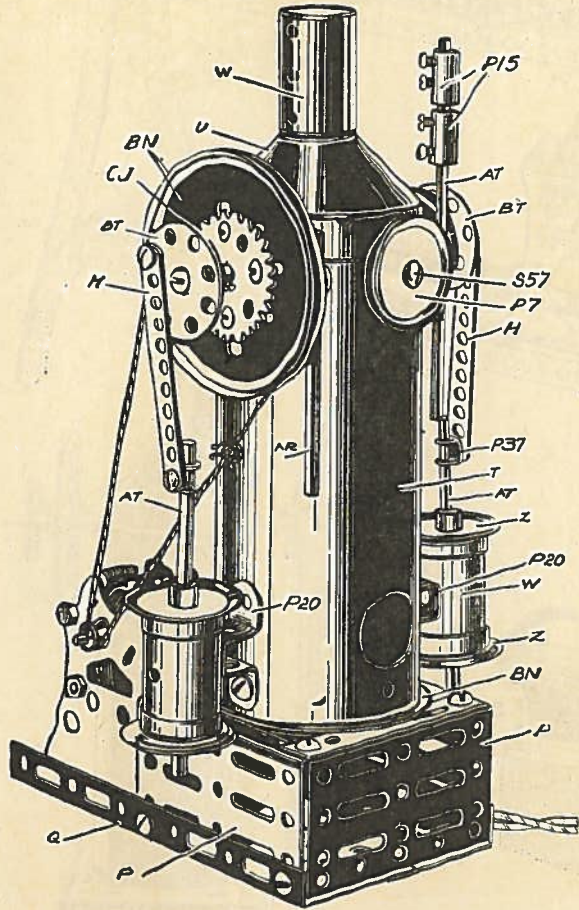
Notice for those who own a No. 6 Erector Set. Use GV in place of P17.



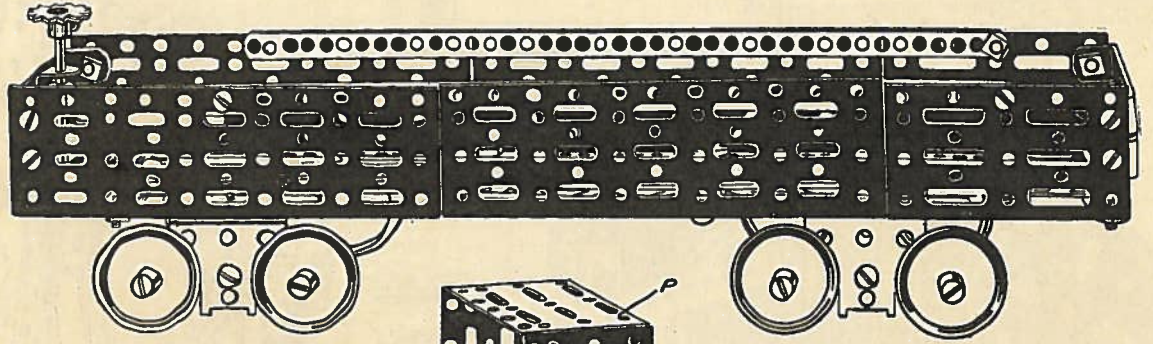
Small Horizontal Engine with Boiler



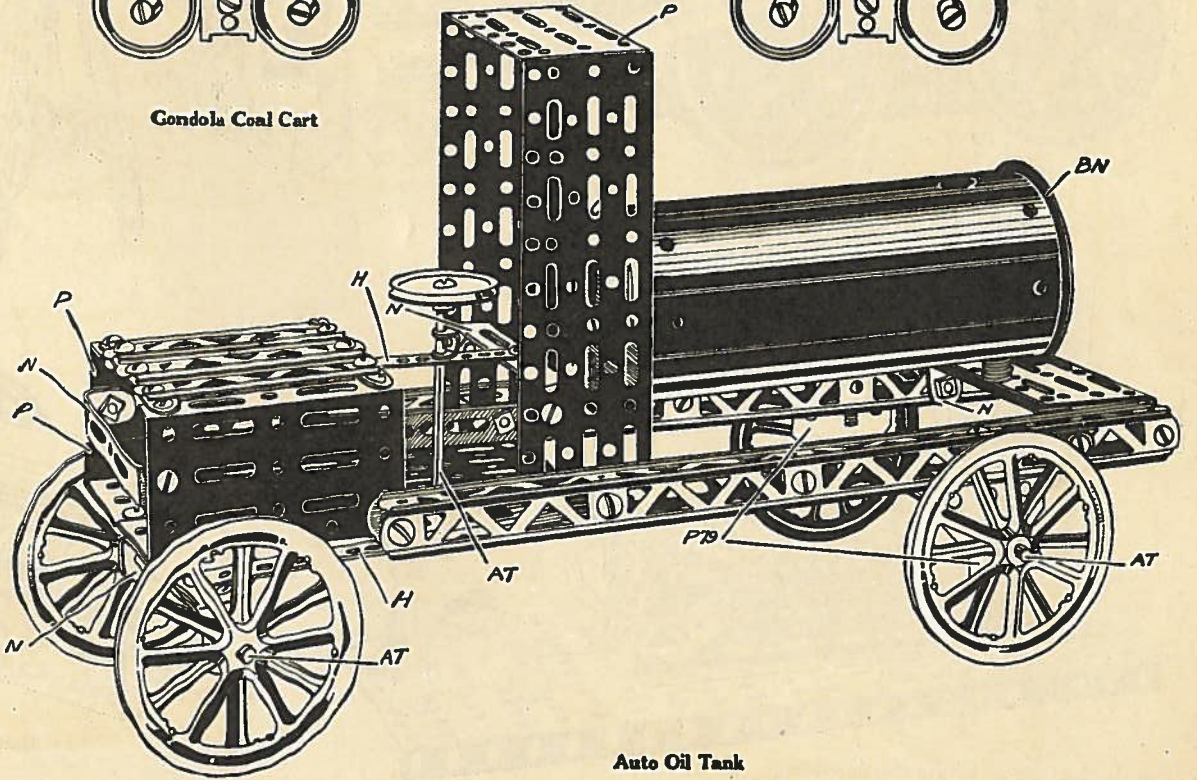
# Models Built with No. 6 Erector



Boiler with Double Cylinder Engine

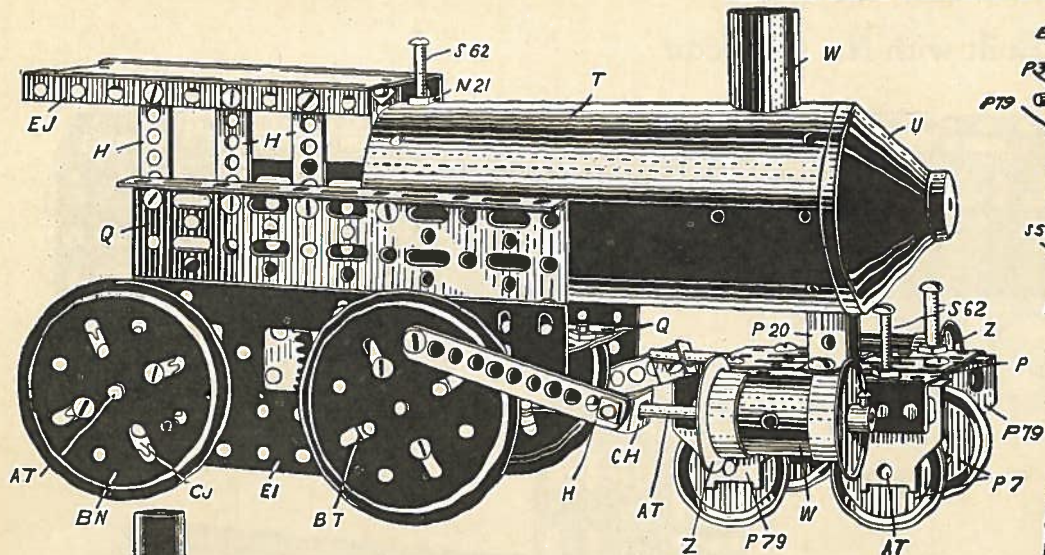


Gondola Coal Cart

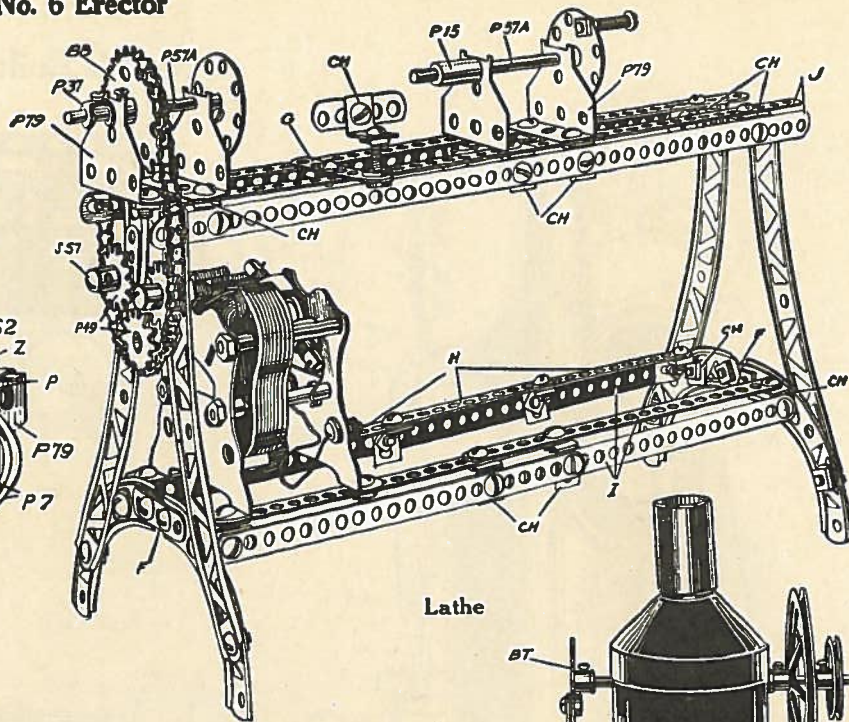


Auto Oil Tank

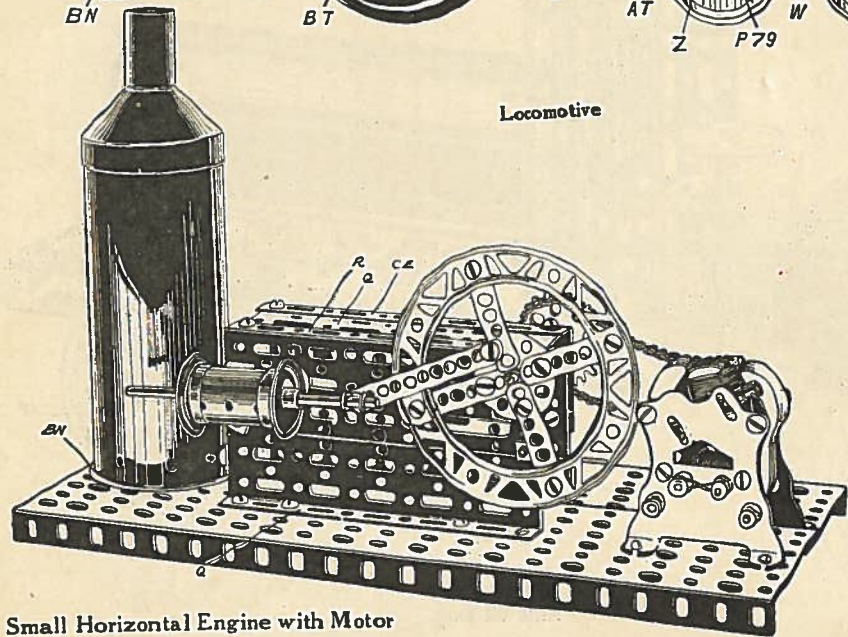
# Models Built with No. 6 Erector



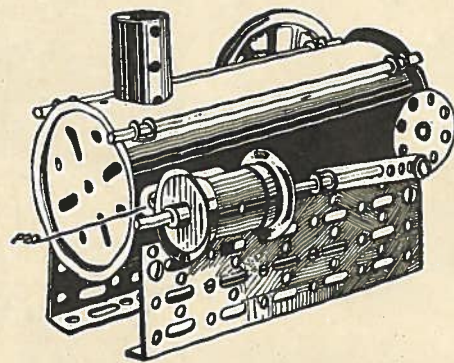
Locomotive



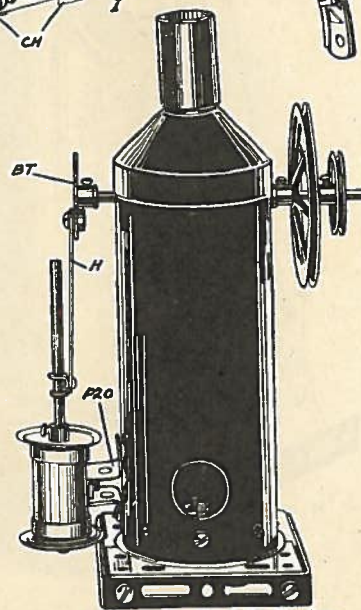
Lathe



Small Horizontal Engine with Motor



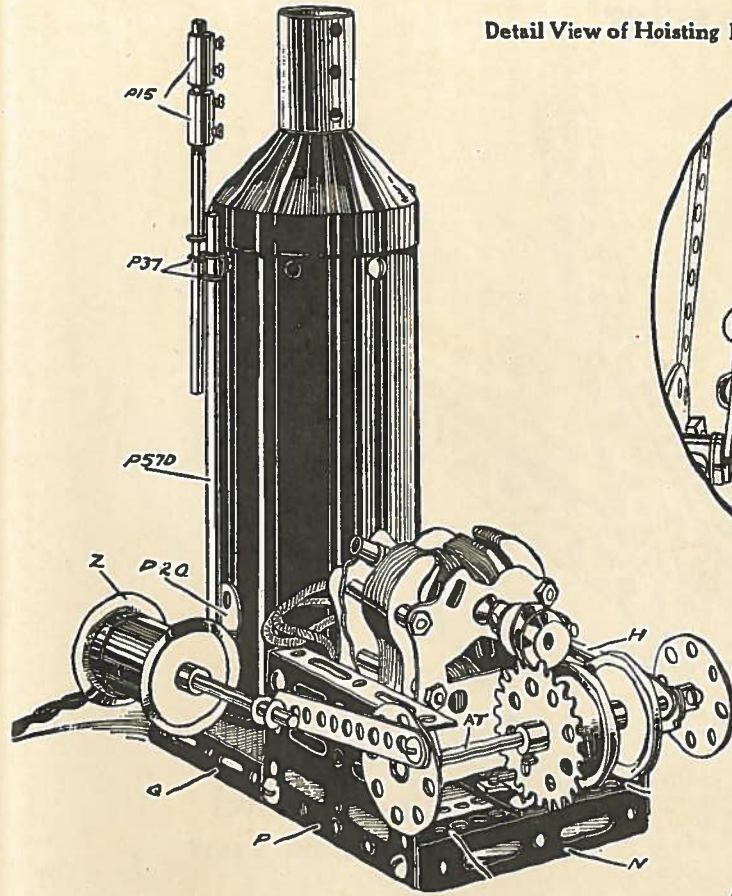
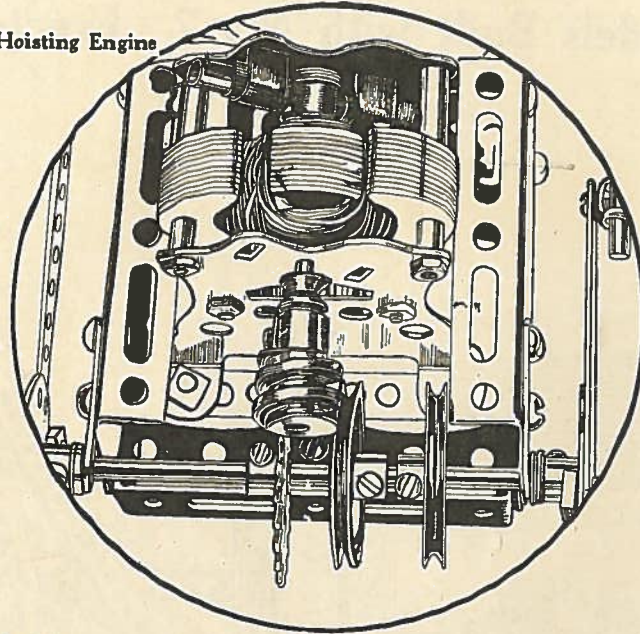
Horizontal Boiler Engine



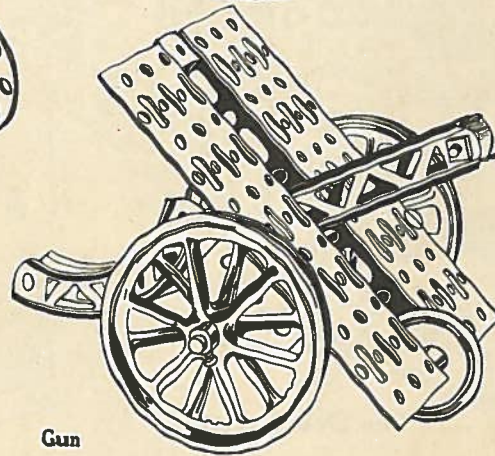
Single Cylinder Upright Engine

# Models Built with No. 6 Erector

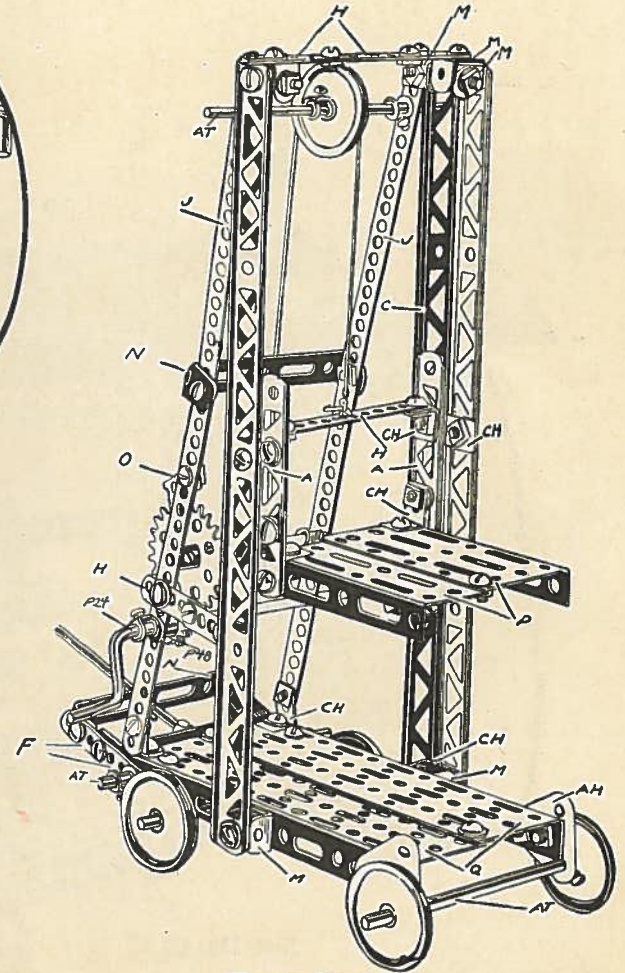
Detail View of Hoisting Engine



Hoisting Engine

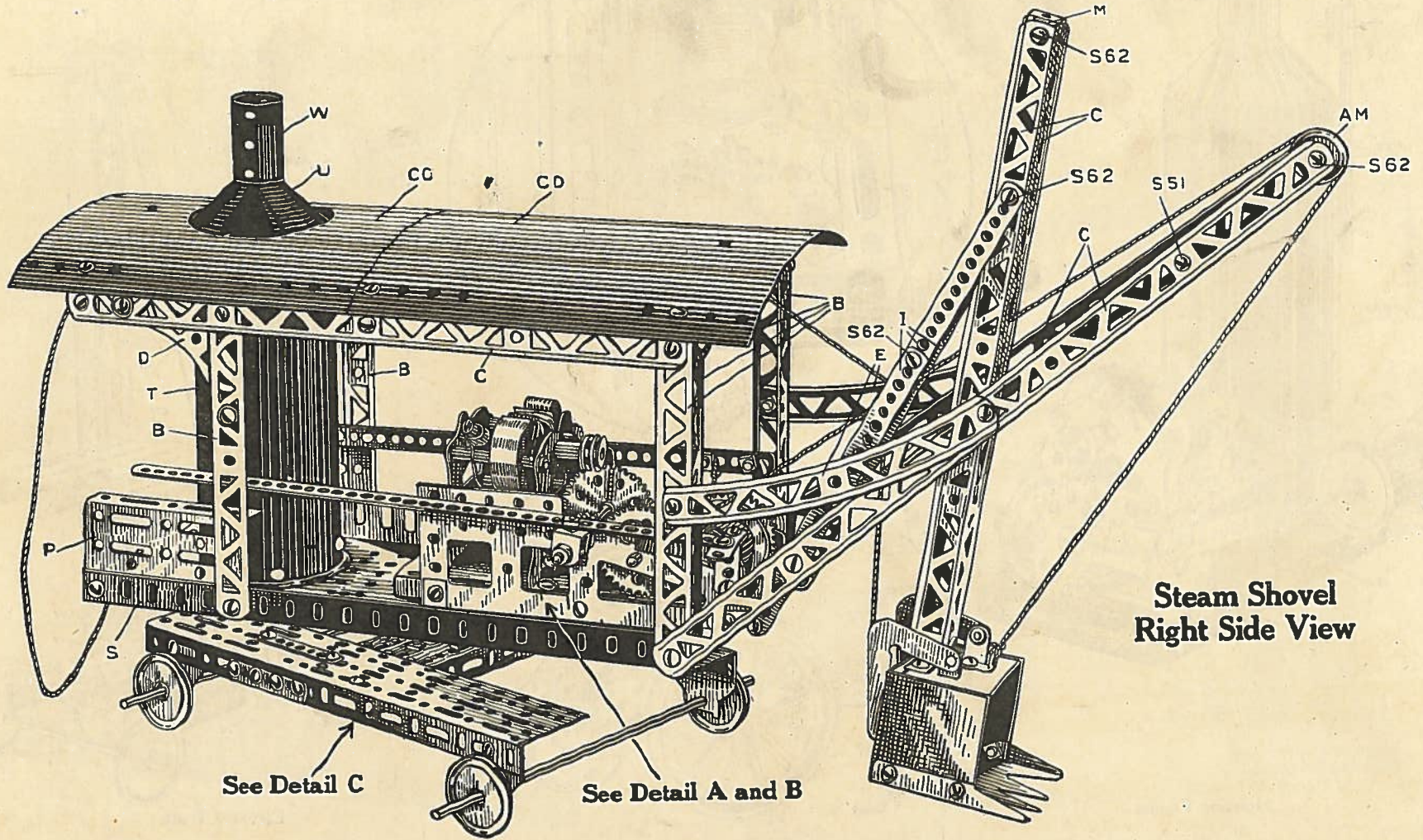


Gun



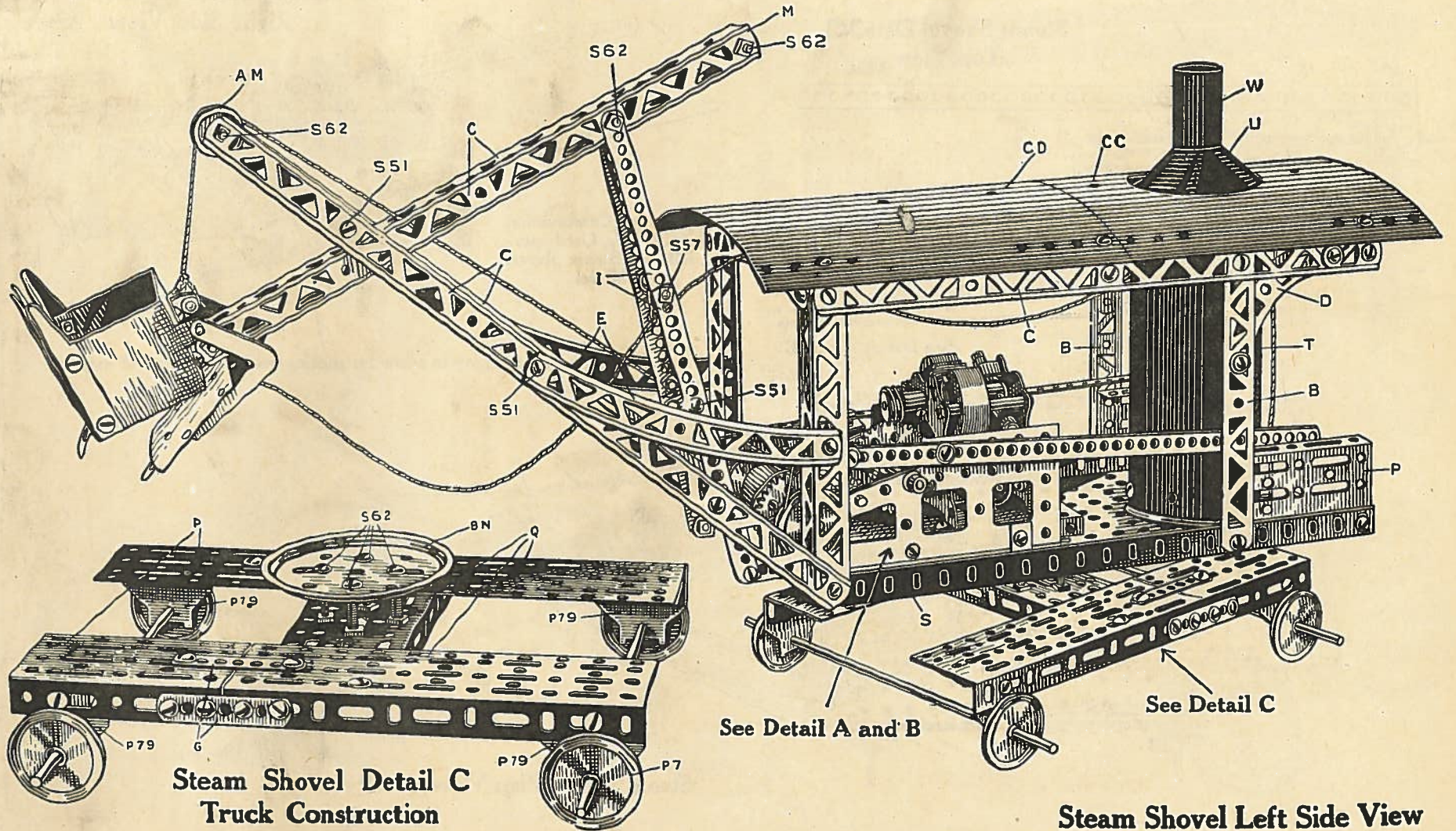
Elevator Truck

# Models Built with No. 7 Erector



Steam Shovel  
Right Side View

# Models Built with No. 7 Erector



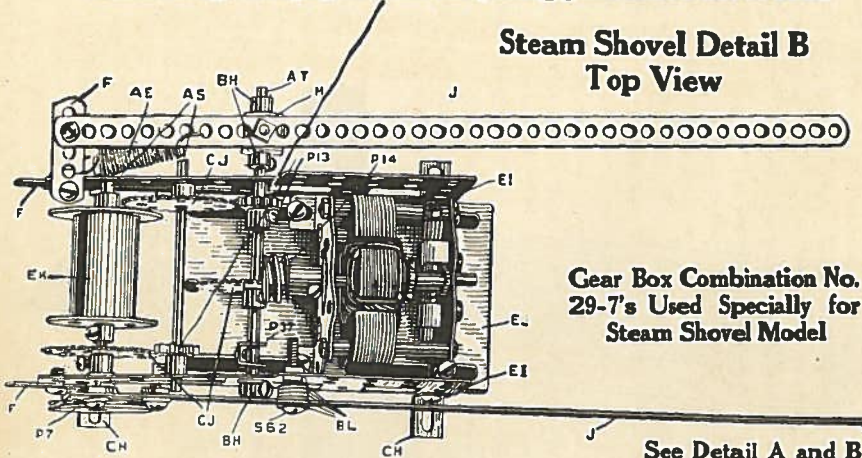
Steam Shovel Detail C  
Truck Construction

Steam Shovel Left Side View

# Models Built with No. 7 Erector

Leave enough end play to allow for putting gears in and out of mesh

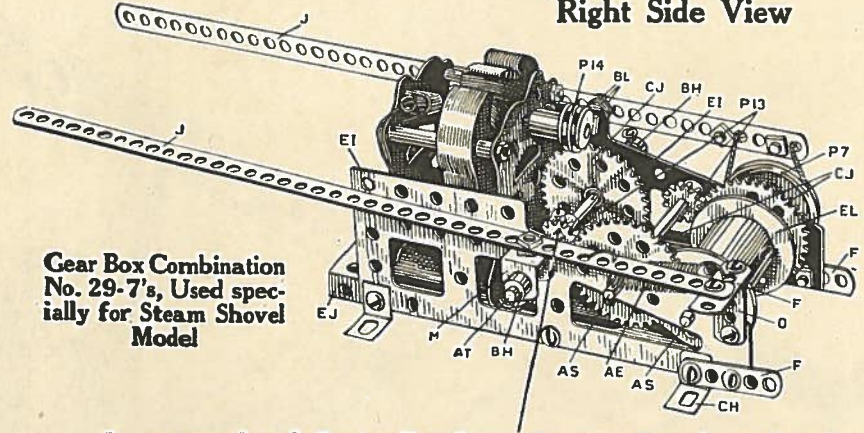
**Steam Shovel Detail B  
Top View**



**Gear Box Combination No. 29-7's Used Specially for Steam Shovel Model**

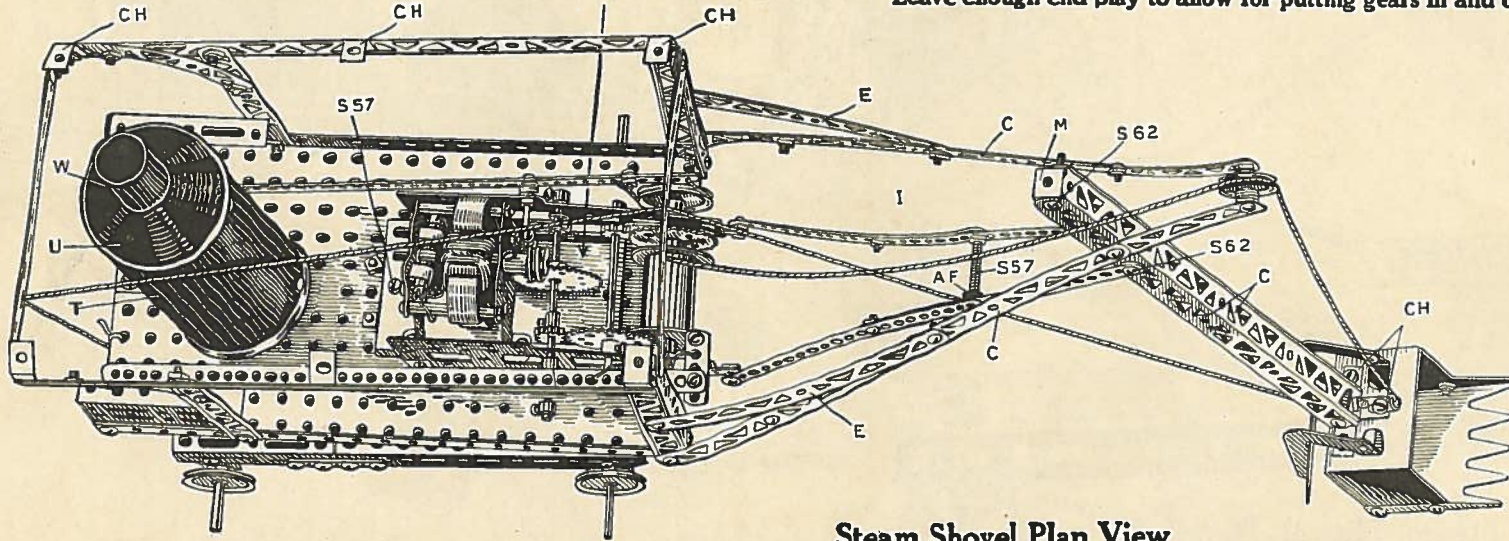
See Detail A and B

**Steam Shovel Detail A  
Right Side View**



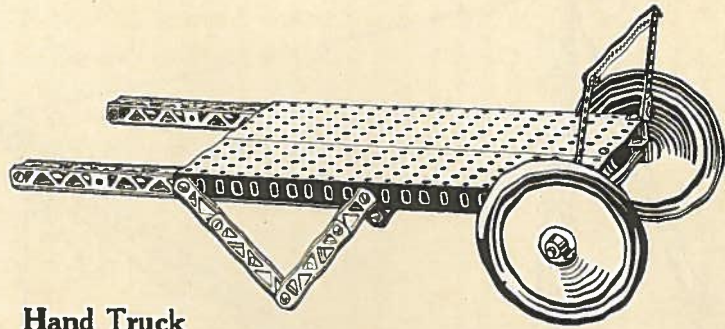
**Gear Box Combination No. 29-7's, Used specially for Steam Shovel Model**

Leave enough end play to allow for putting gears in and out of mesh

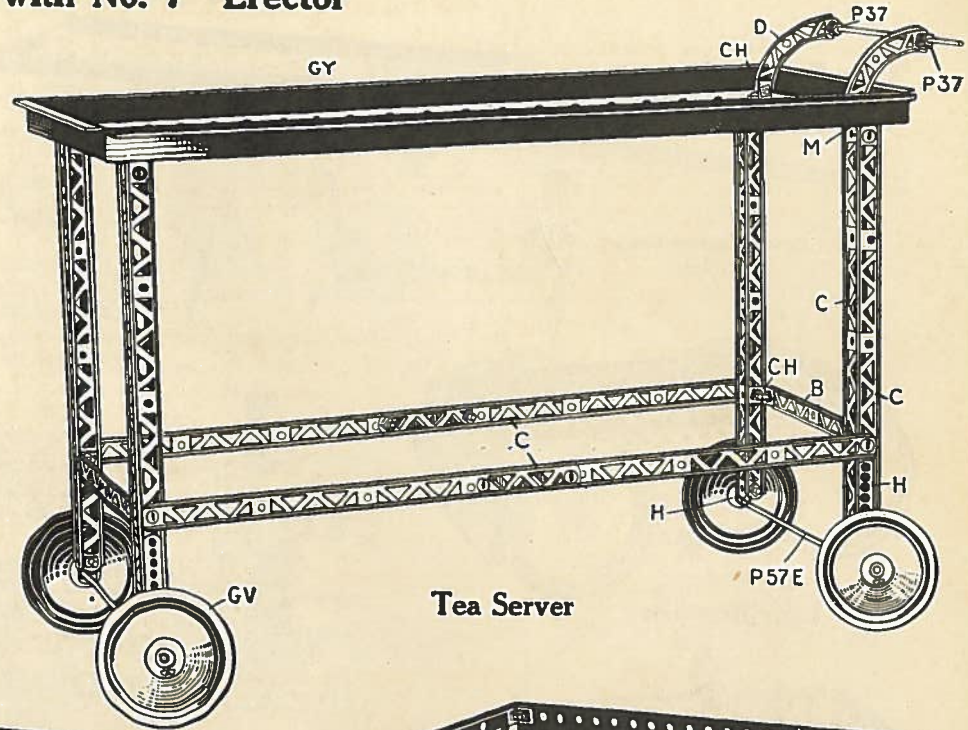


**Steam Shovel Plan View**

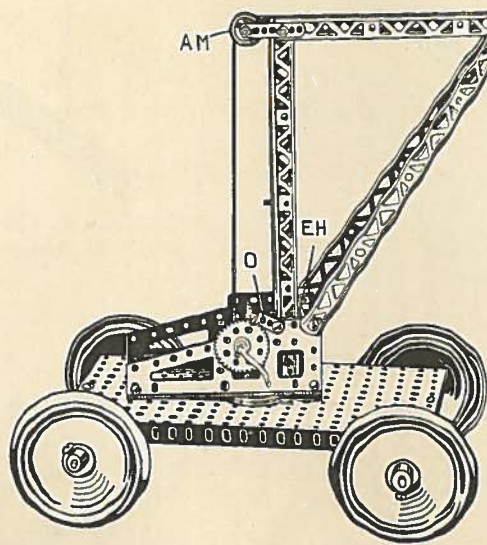
# Models Built with No. 7 Erector



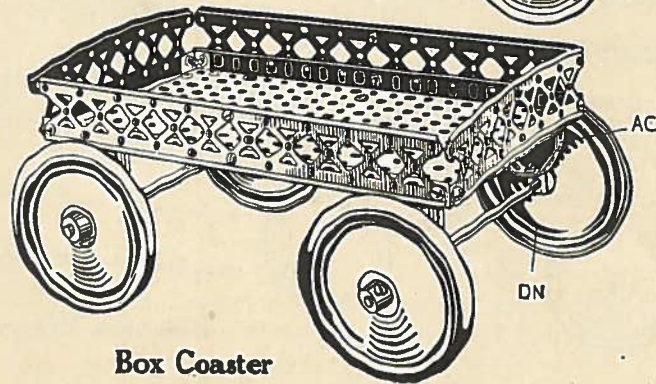
Hand Truck



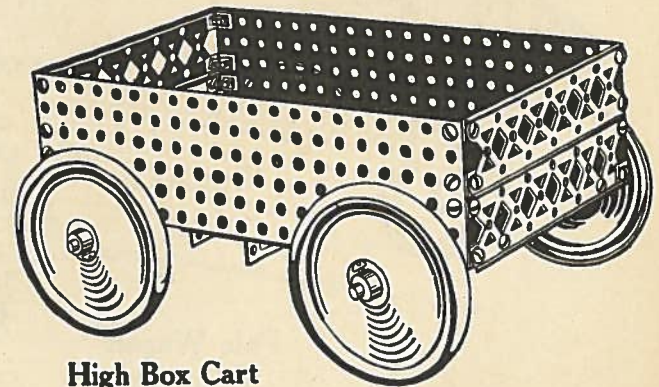
Tea Server



Portable Revolving Jib Crane



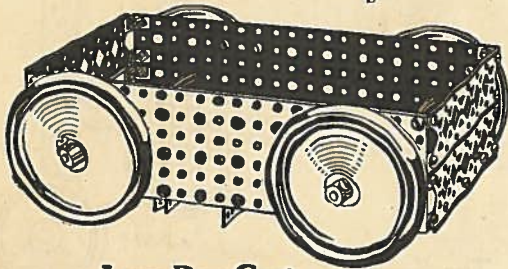
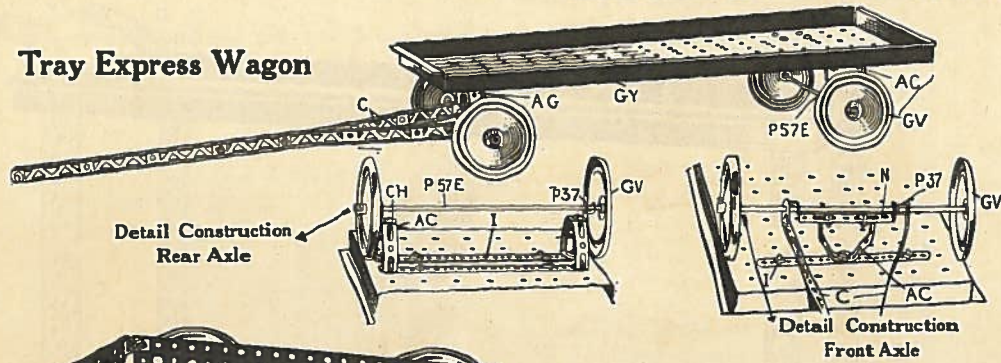
Box Coaster



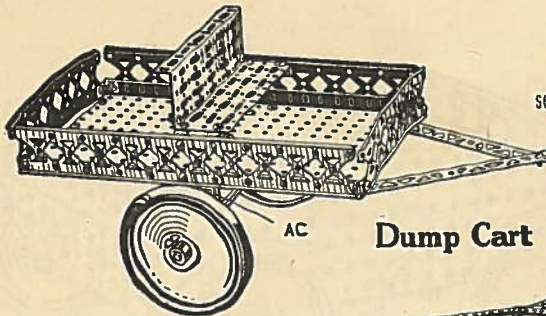
High Box Cart

# Models Built with No. 7 Erector

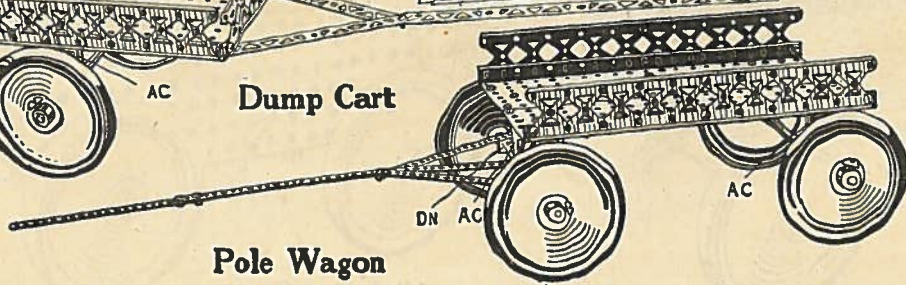
Tray Express Wagon



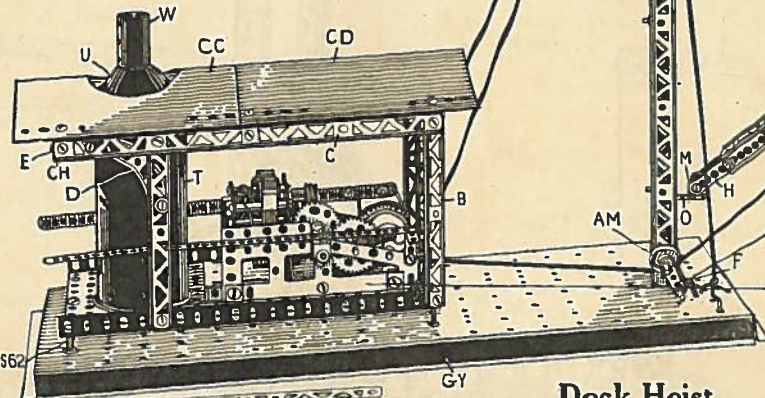
Low Box Cart



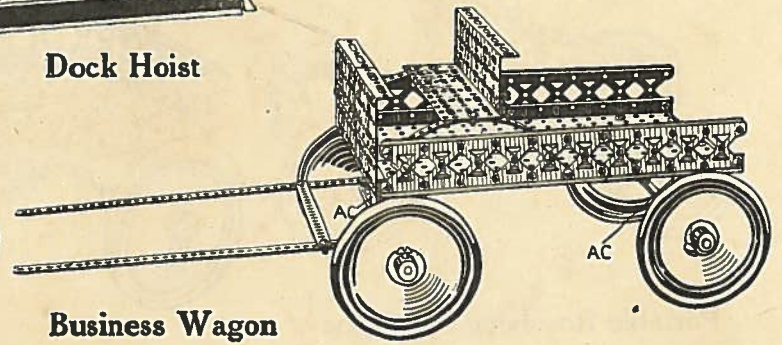
Dump Cart



Pole Wagon



Dock Hoist



Business Wagon

Tie Pulley to boom with string

Tie Pulley to base with string

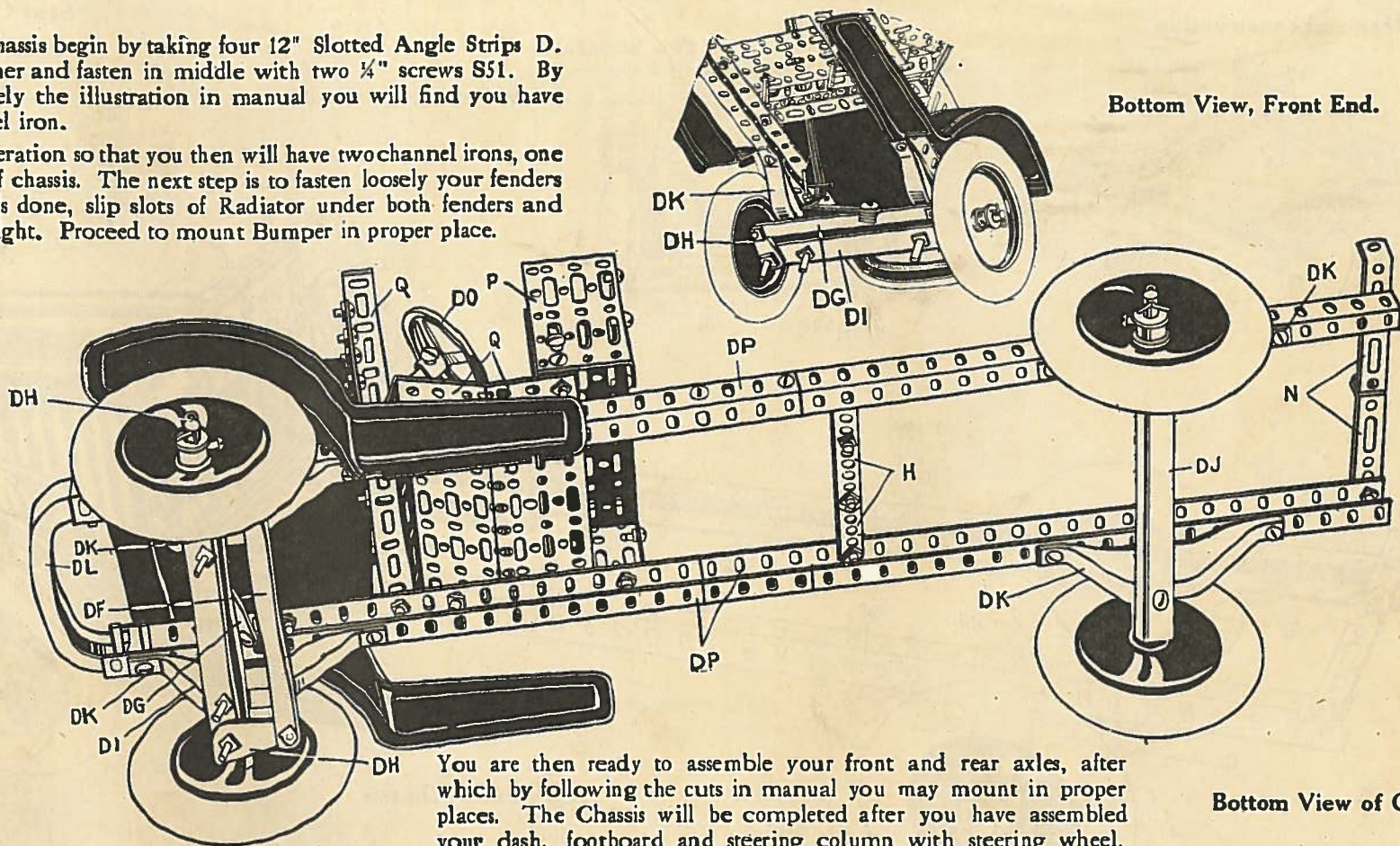
To build Unit see cut No. 297's in Standard Gear Box Section



## Models Built with No. 7½ Erector

In building Chassis begin by taking four 12" Slotted Angle Strips D. P. Lap together and fasten in middle with two ¼" screws S51. By following closely the illustration in manual you will find you have made a channel iron.

Repeat this operation so that you then will have two channel irons, one for each side of chassis. The next step is to fasten loosely your fenders in place. This done, slip slots of Radiator under both fenders and make screws tight. Proceed to mount Bumper in proper place.



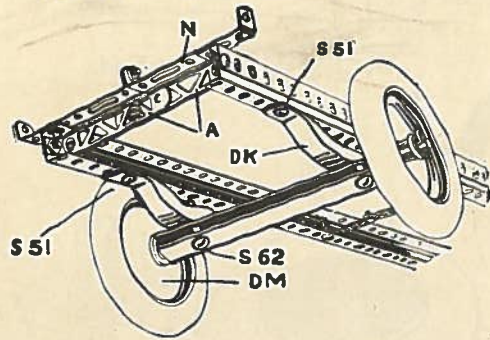
Bottom View, Front End.

Bottom View of Chassis.

You are then ready to assemble your front and rear axles, after which by following the cuts in manual you may mount in proper places. The Chassis will be completed after you have assembled your dash, footboard and steering column with steering wheel. No instructions are necessary to put on wheels, which completely finishes the Chassis so that you can put on any body which you have selected from your manual, to build.

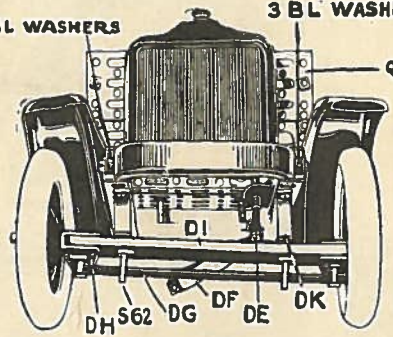
# Models Built with No. 7½ Erector

Rear end construction

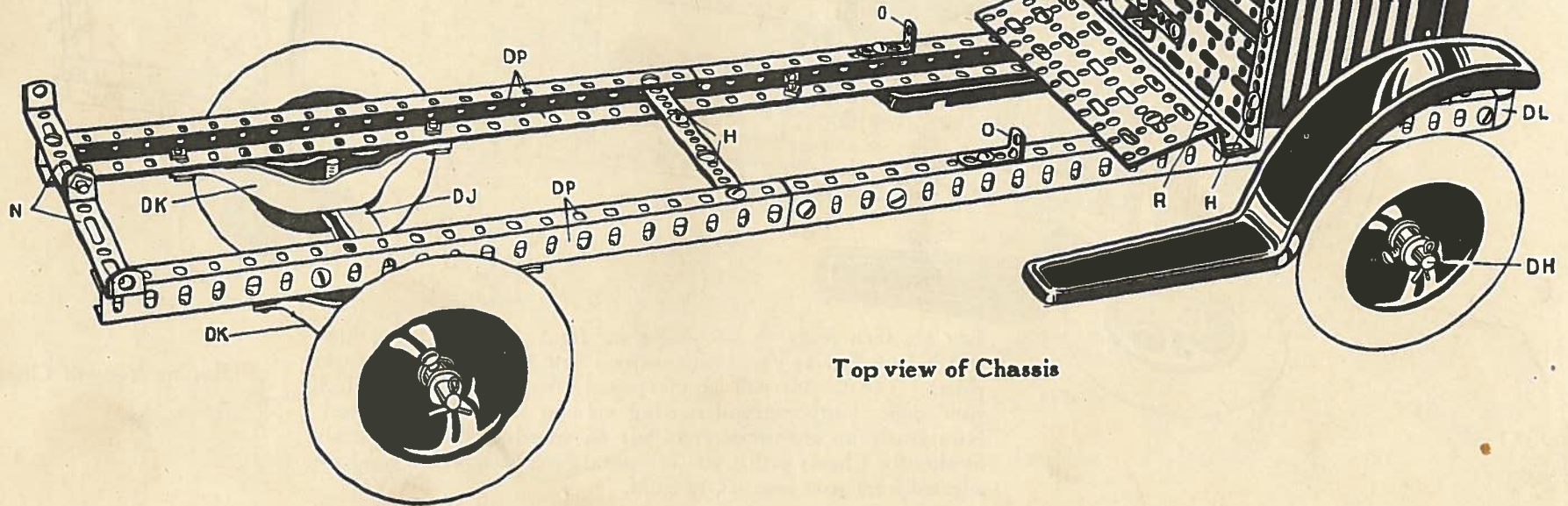
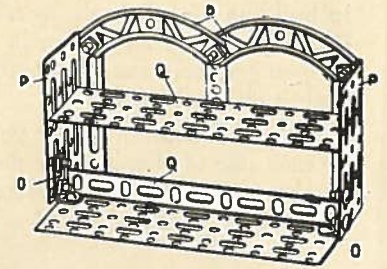


3 BL WASHERS 3 BL WASHERS -

Front end construction

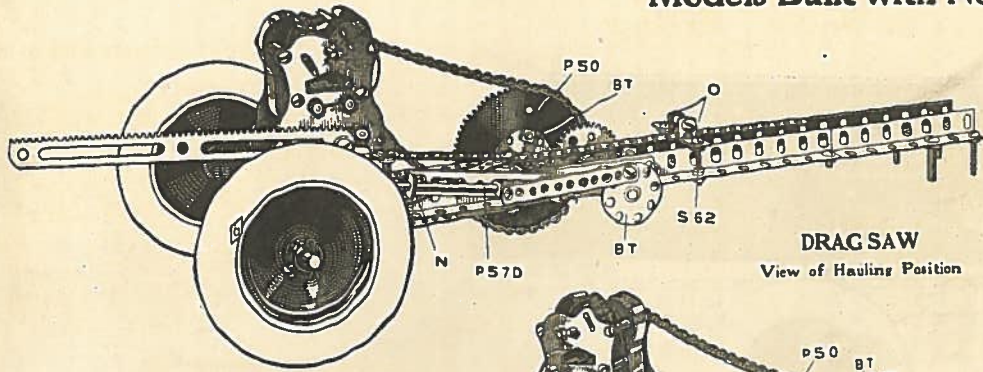


Seat Construction.

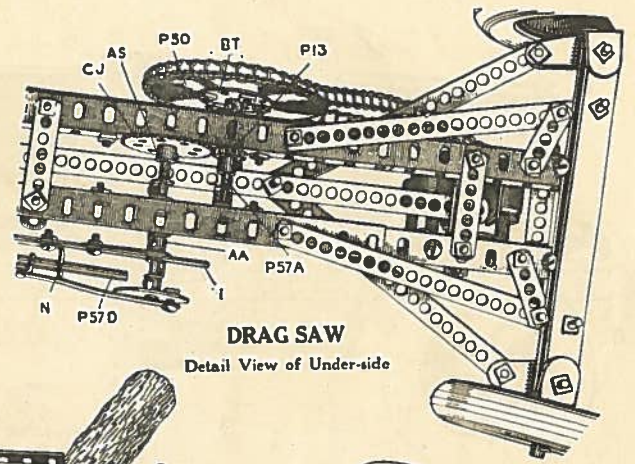


Top view of Chassis

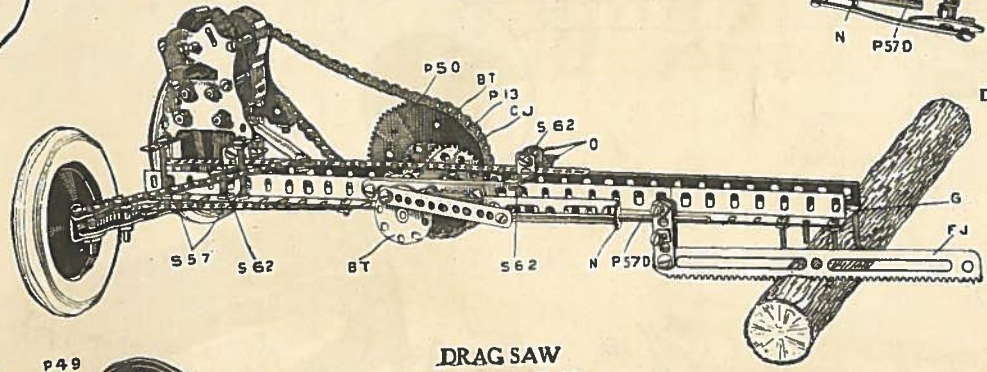
# Models Built with No. 7½ Erector



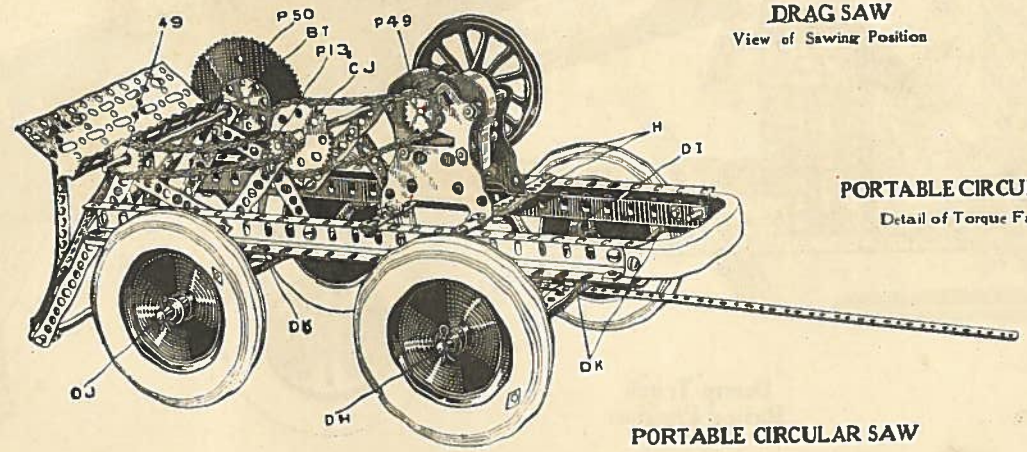
**DRAG SAW**  
View of Hauling Position



**DRAG SAW**  
Detail View of Under-side

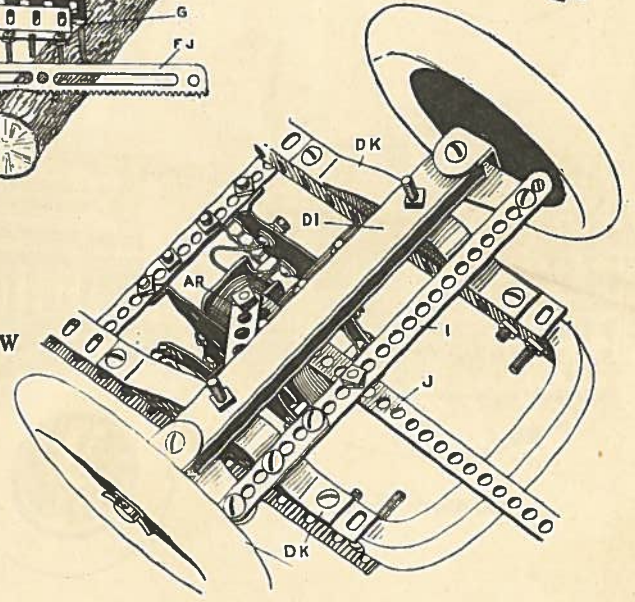


**DRAG SAW**  
View of Sawing Position

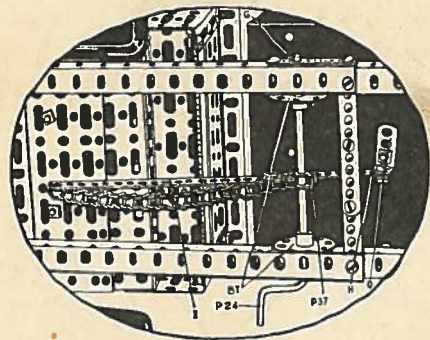
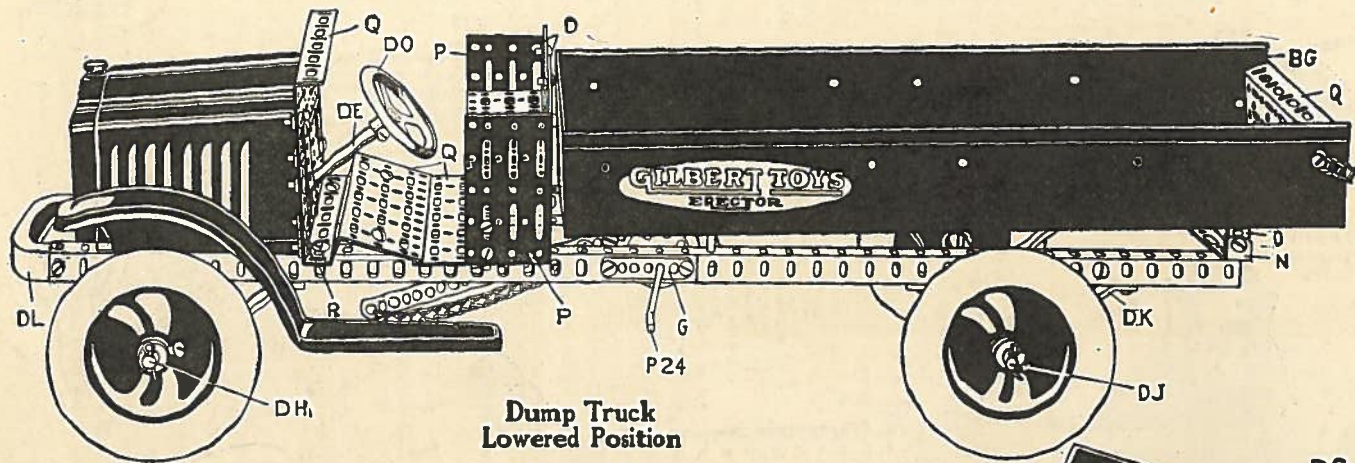


**PORTABLE CIRCULAR SAW**

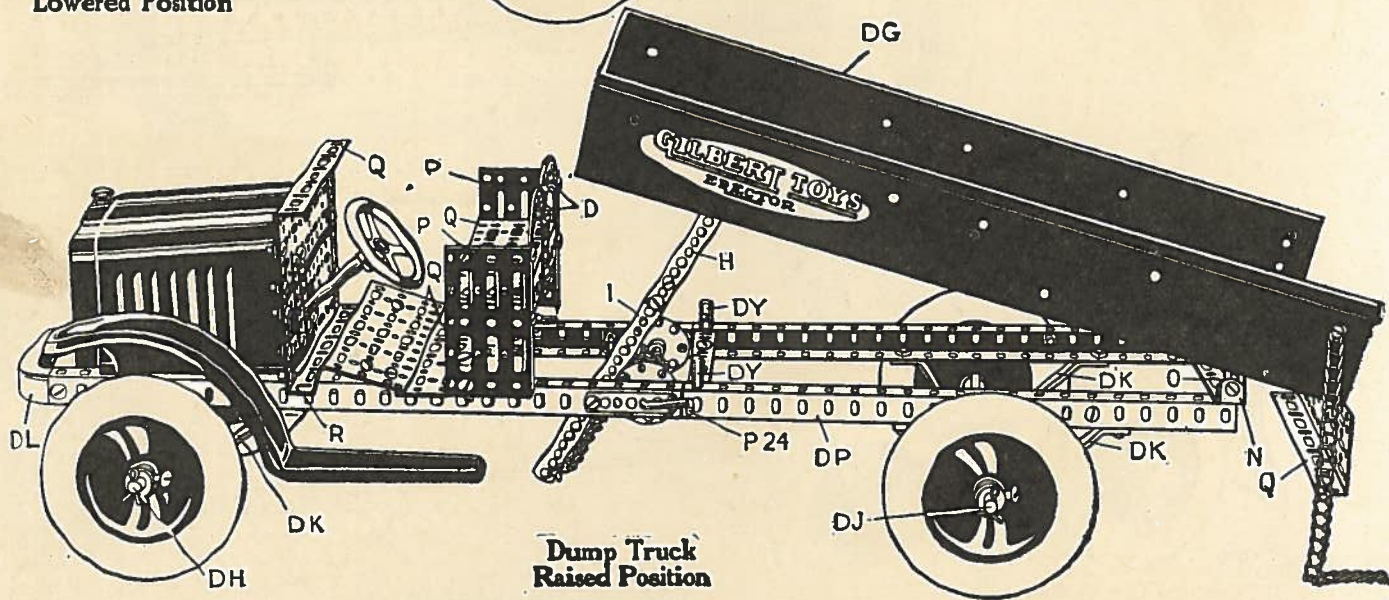
**PORTABLE CIRCULAR SAW**  
Detail of Torque Fastening



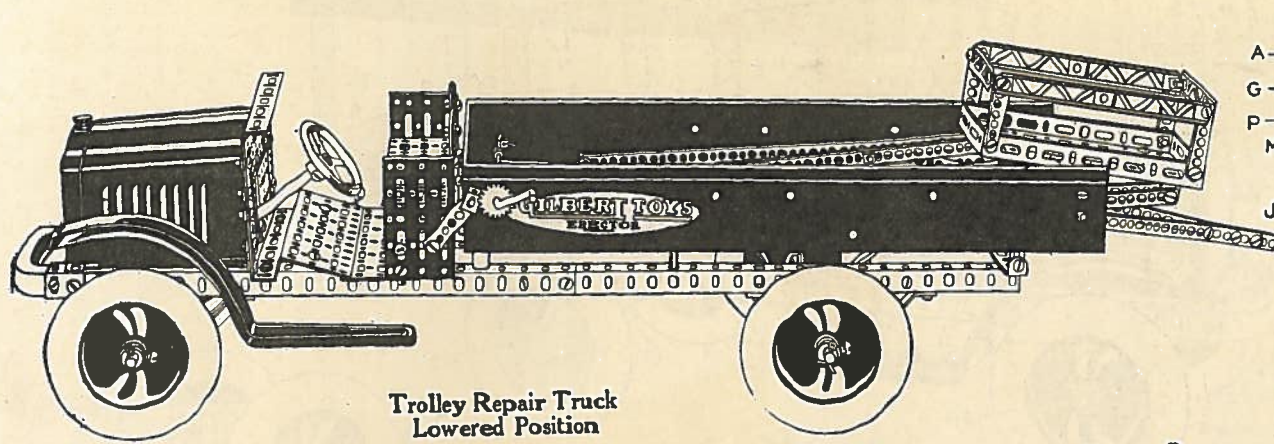
# Models Built with No. 7½ Erector



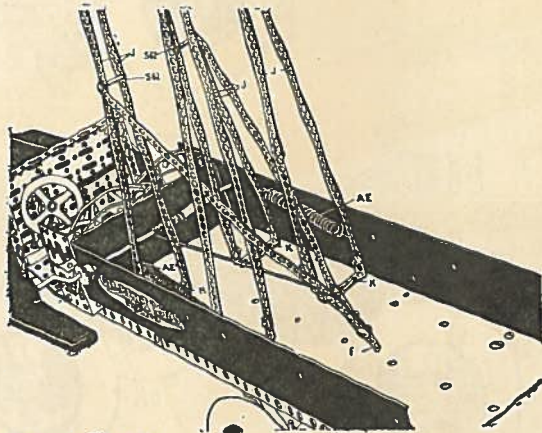
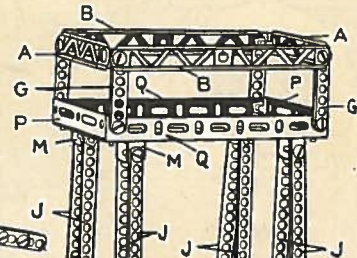
**Detailed View**



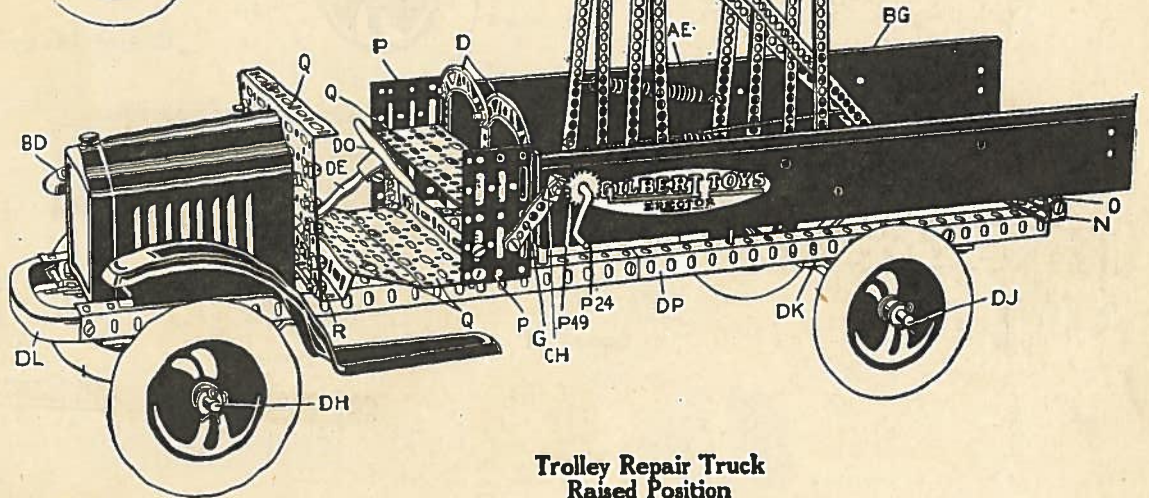
# Models Built with No. 7½ Erector



Trolley Repair Truck  
Lowered Position

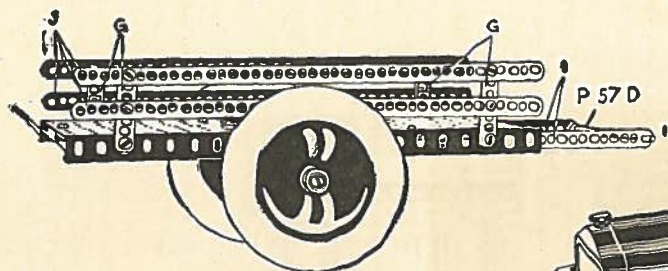


Trolley Repair Truck  
Detailed Construction

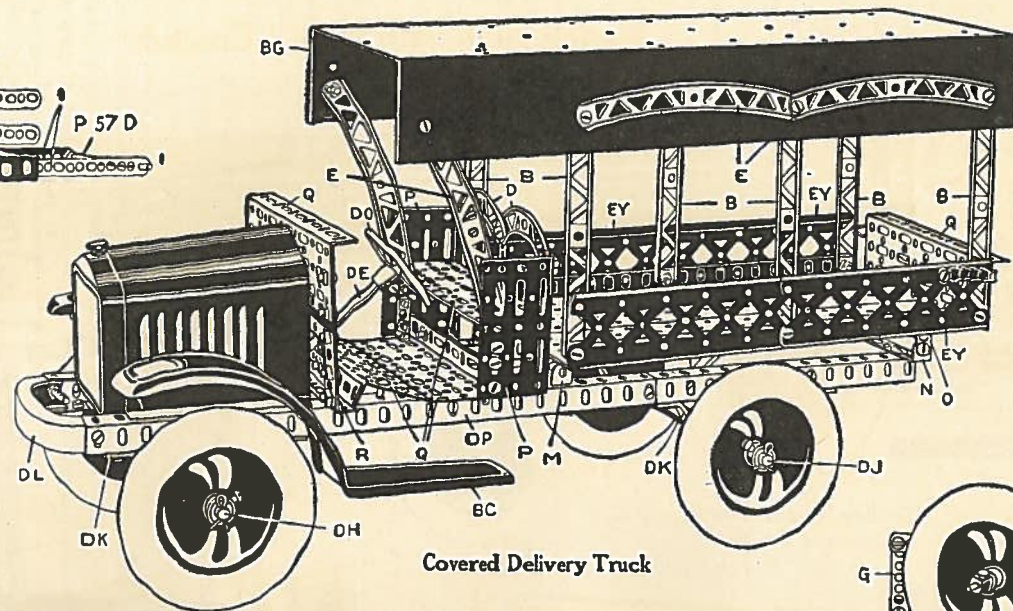


Trolley Repair Truck  
Raised Position

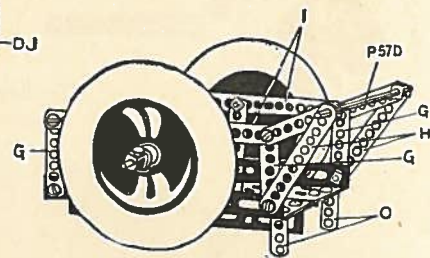
# Models Built with No. 7½ Erector



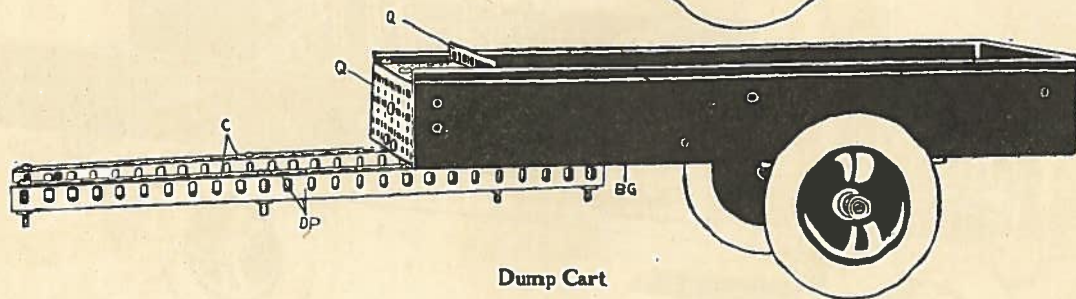
Push Cart



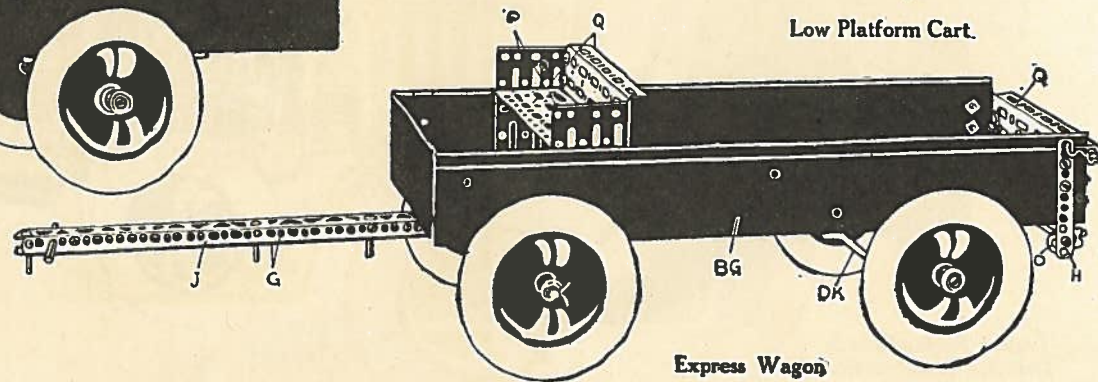
Covered Delivery Truck



Low Platform Cart

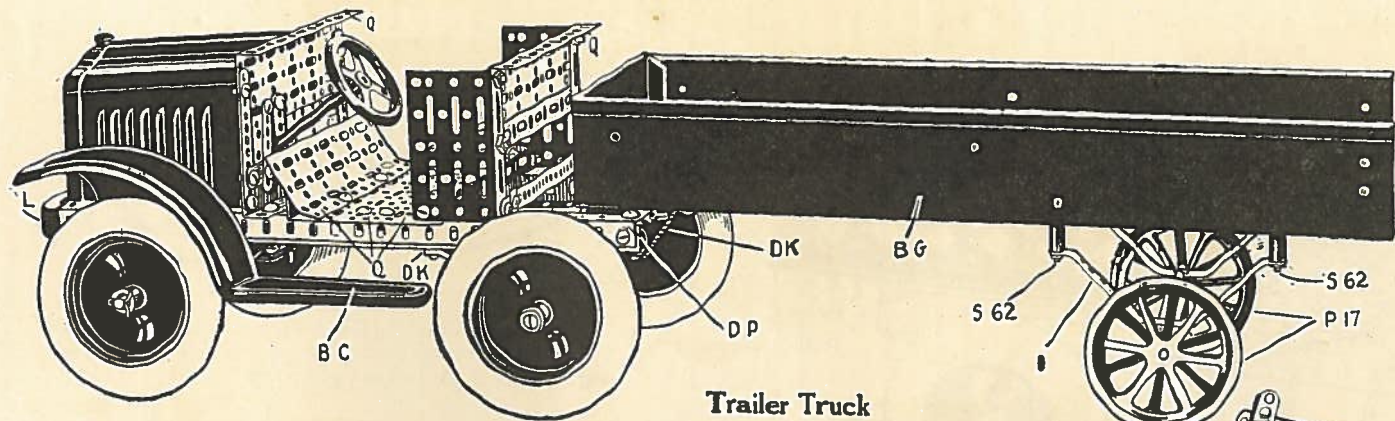


Dump Cart

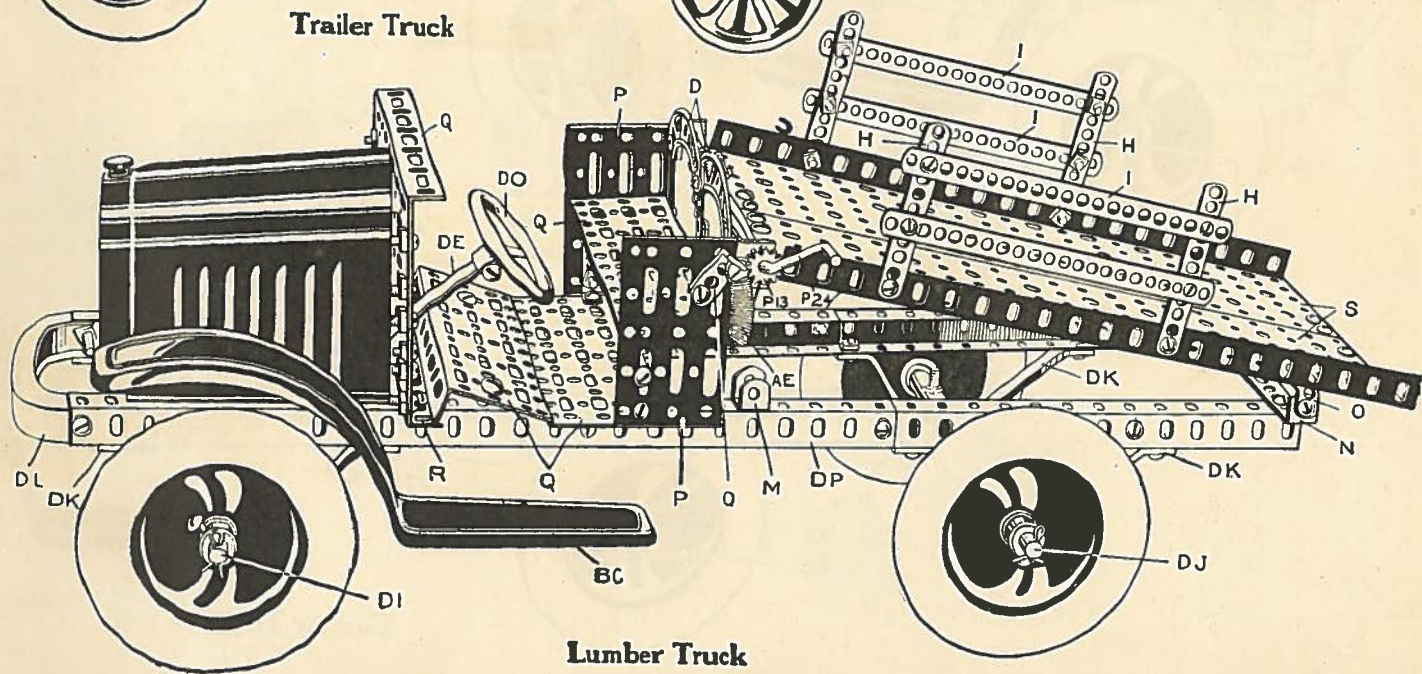


Express Wagon

## Models Built with No. 7½ Erector

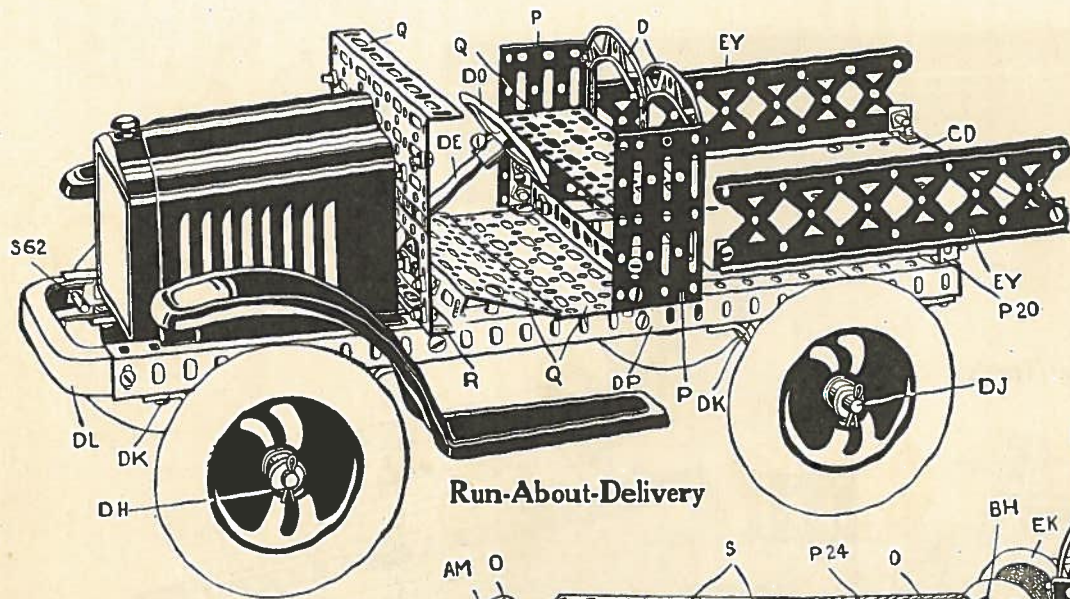


Trailer Truck

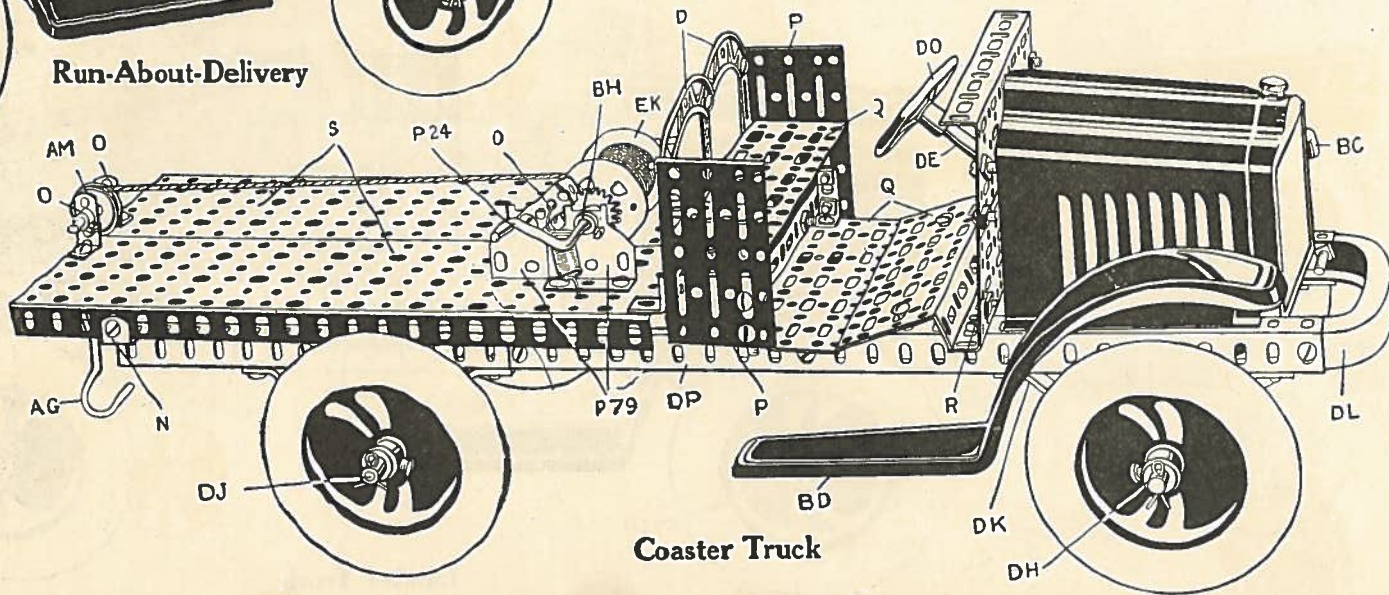


Lumber Truck

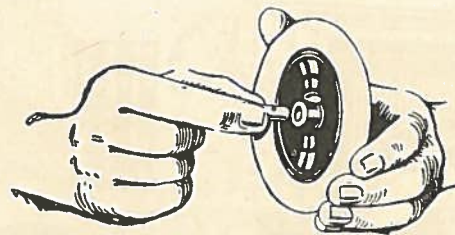
## Models Built with No. 7½ Erector



Run-About-Delivery



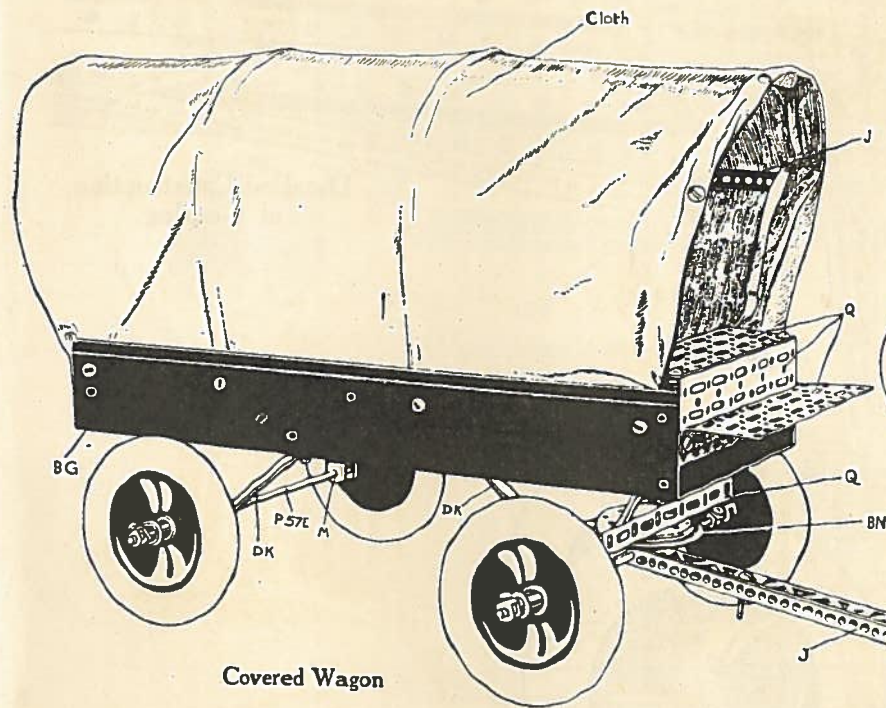
Coaster Truck



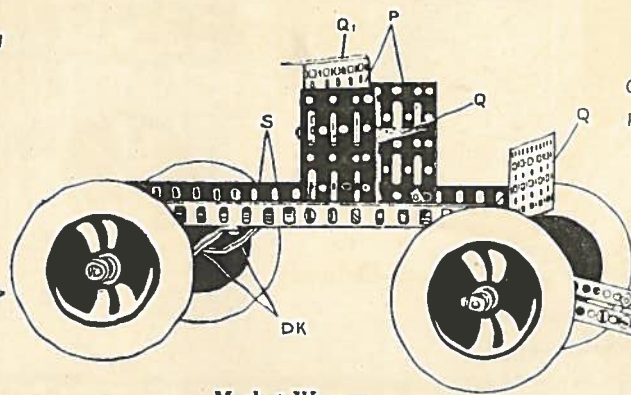
To use disc wheel on Small Erector Rods, insert bushing into hub of disc wheel, lining up hole in the bushing with set screw before tightening.



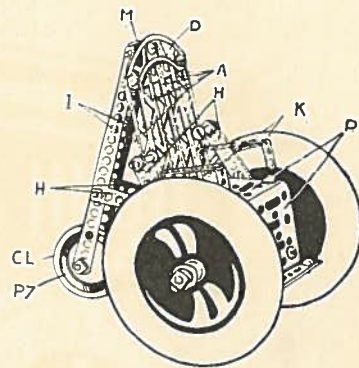
# Models Built with No.7 $\frac{1}{2}$ Erector



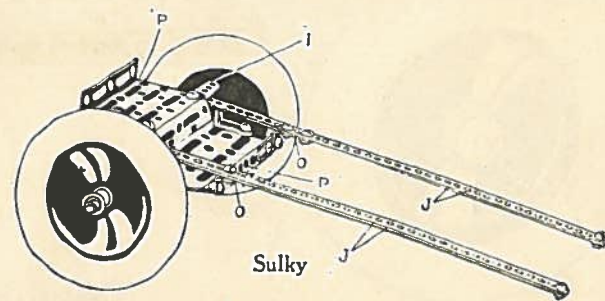
Covered Wagon



Market Wagon

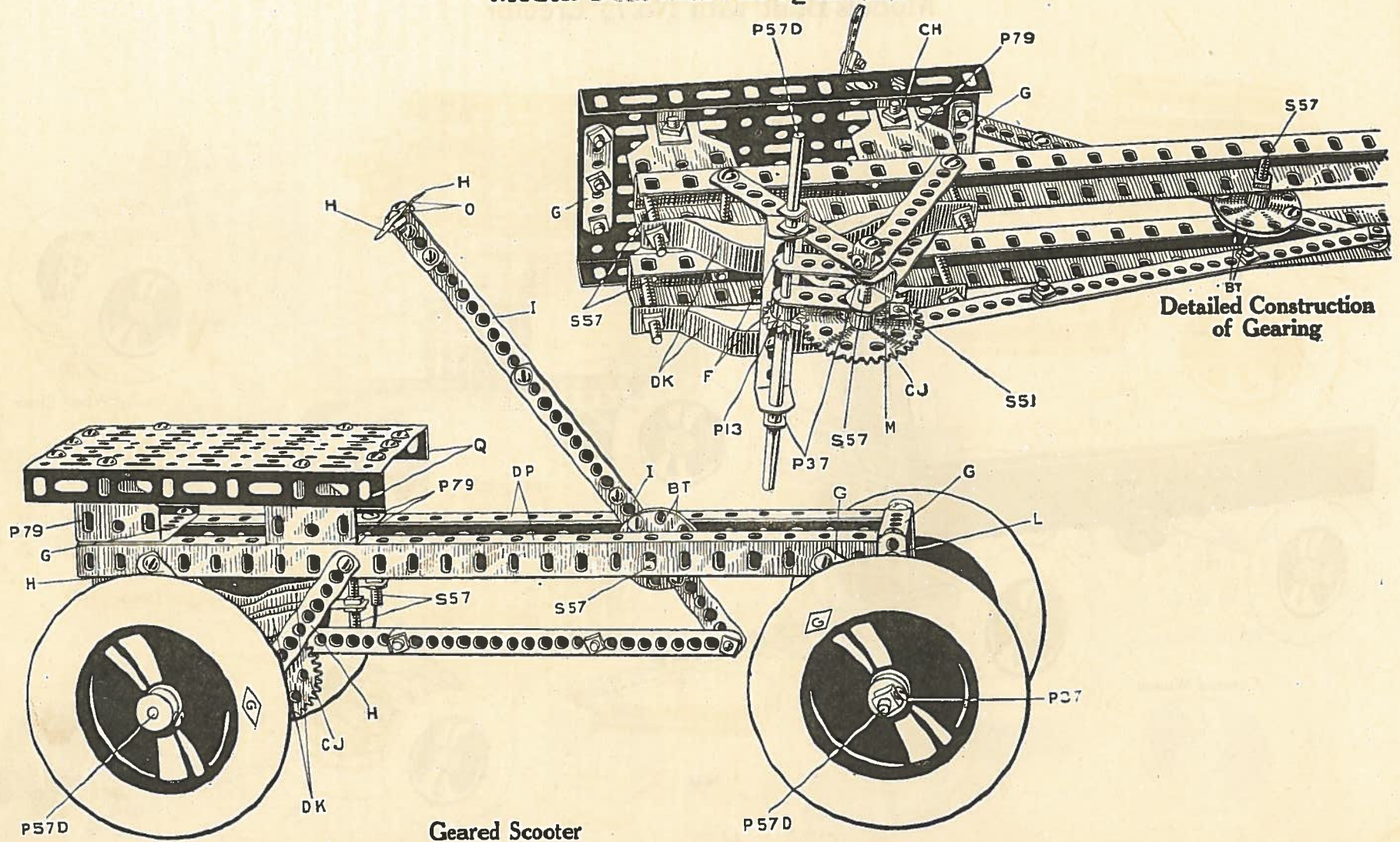


Invalid Wheel Chair



Sulky

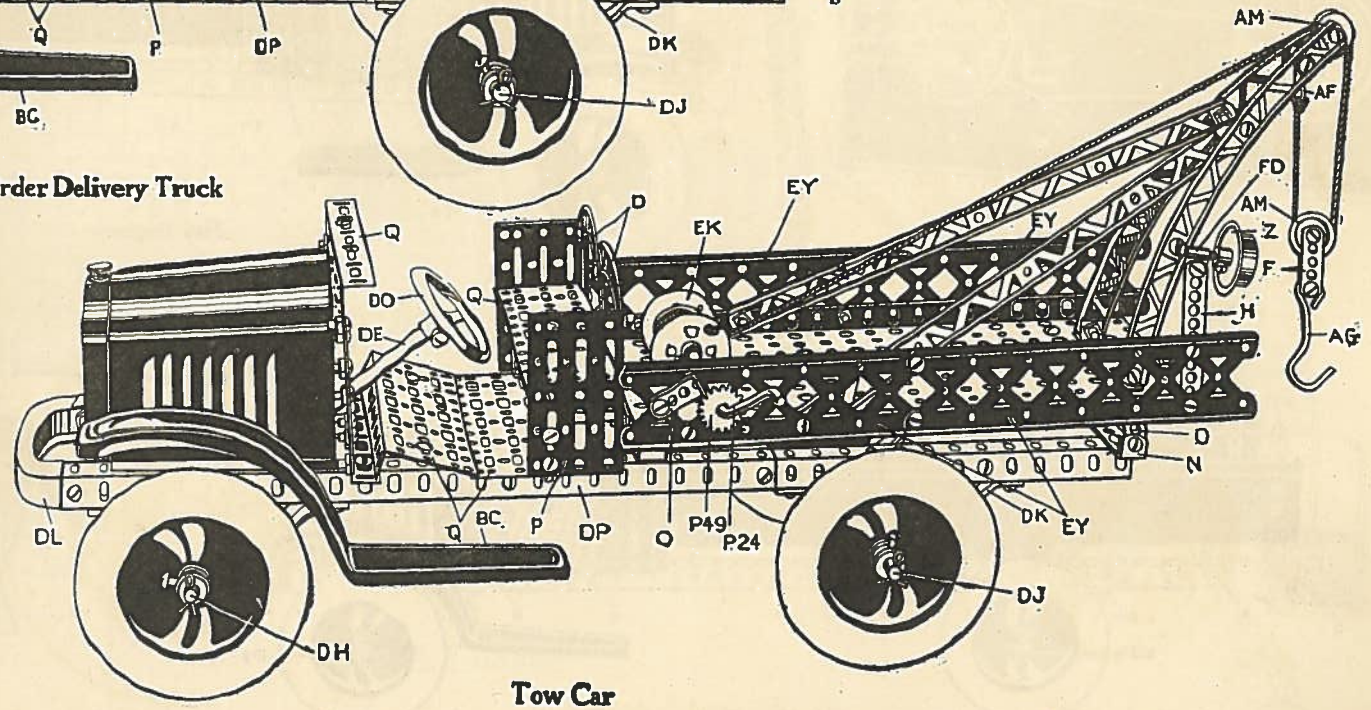
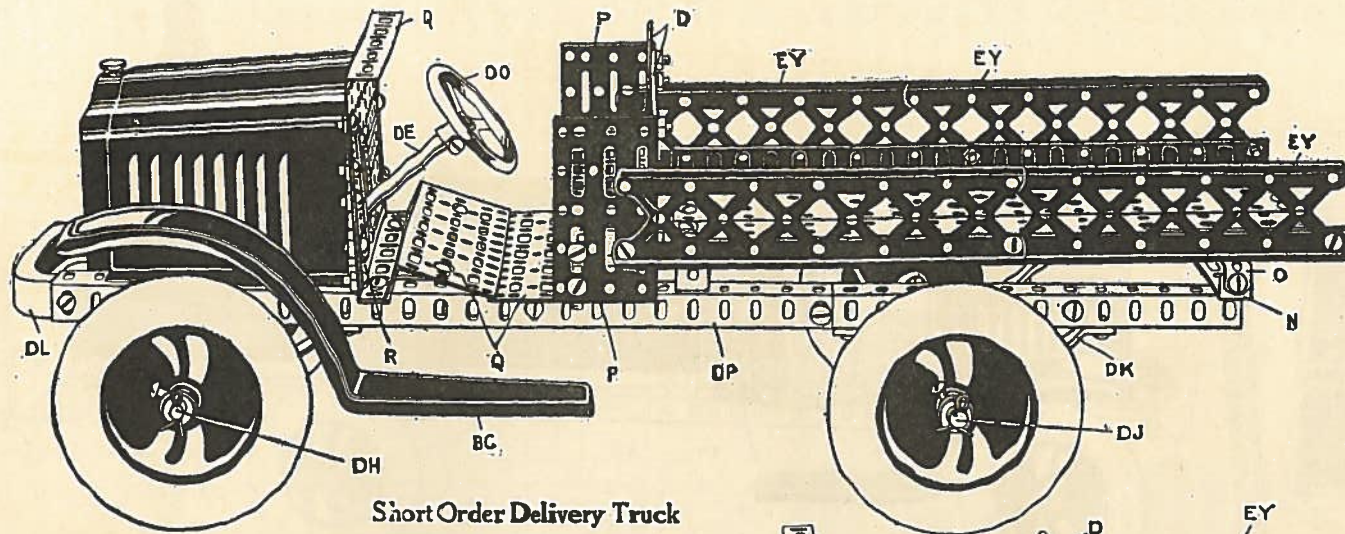
# Models Built with No. 7½ Erector



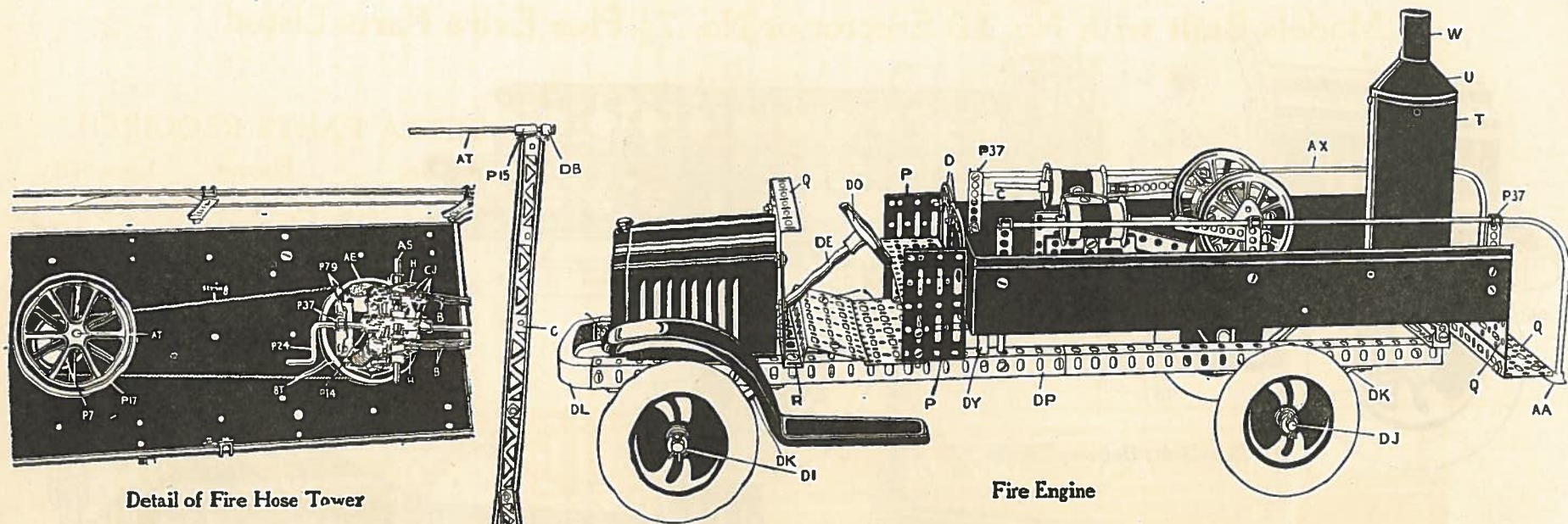
Geared Scooter

Detailed Construction of Gearing

# Models Built with No. 7½ Erector

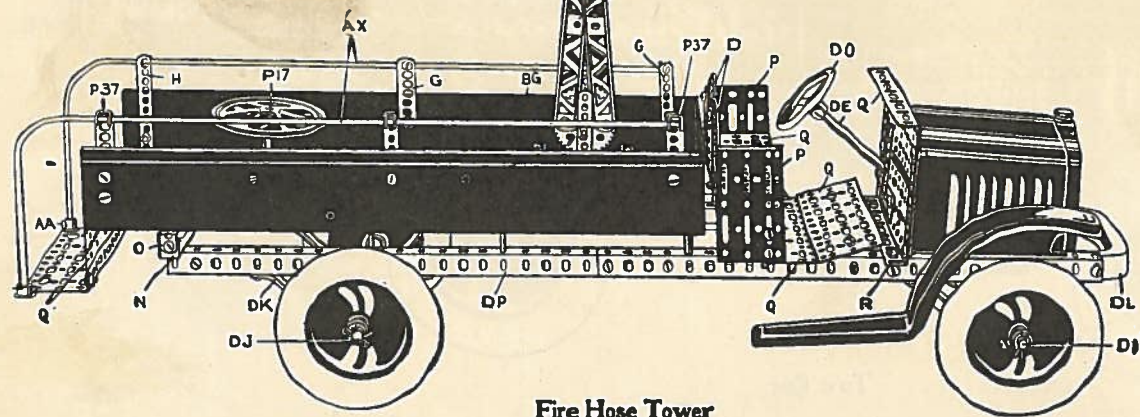


## Models Built with No. 7½ Erector

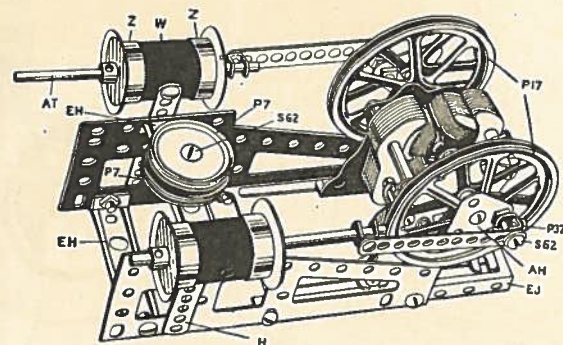


Detail of Fire Hose Tower

Fire Engine



Fire Hose Tower

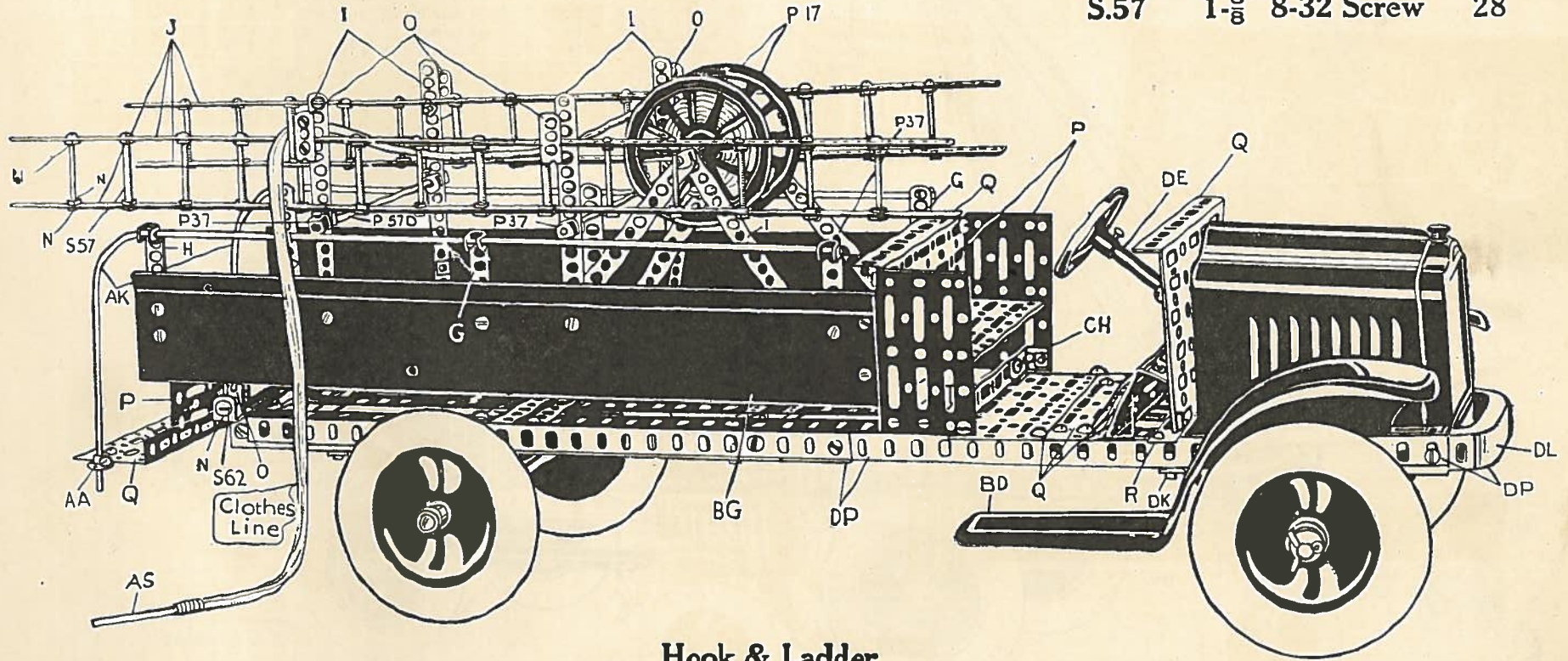


Detail of Fire Engine

# Models Built with No. 10 Erector or No. 7½ Plus Extra Parts Listed

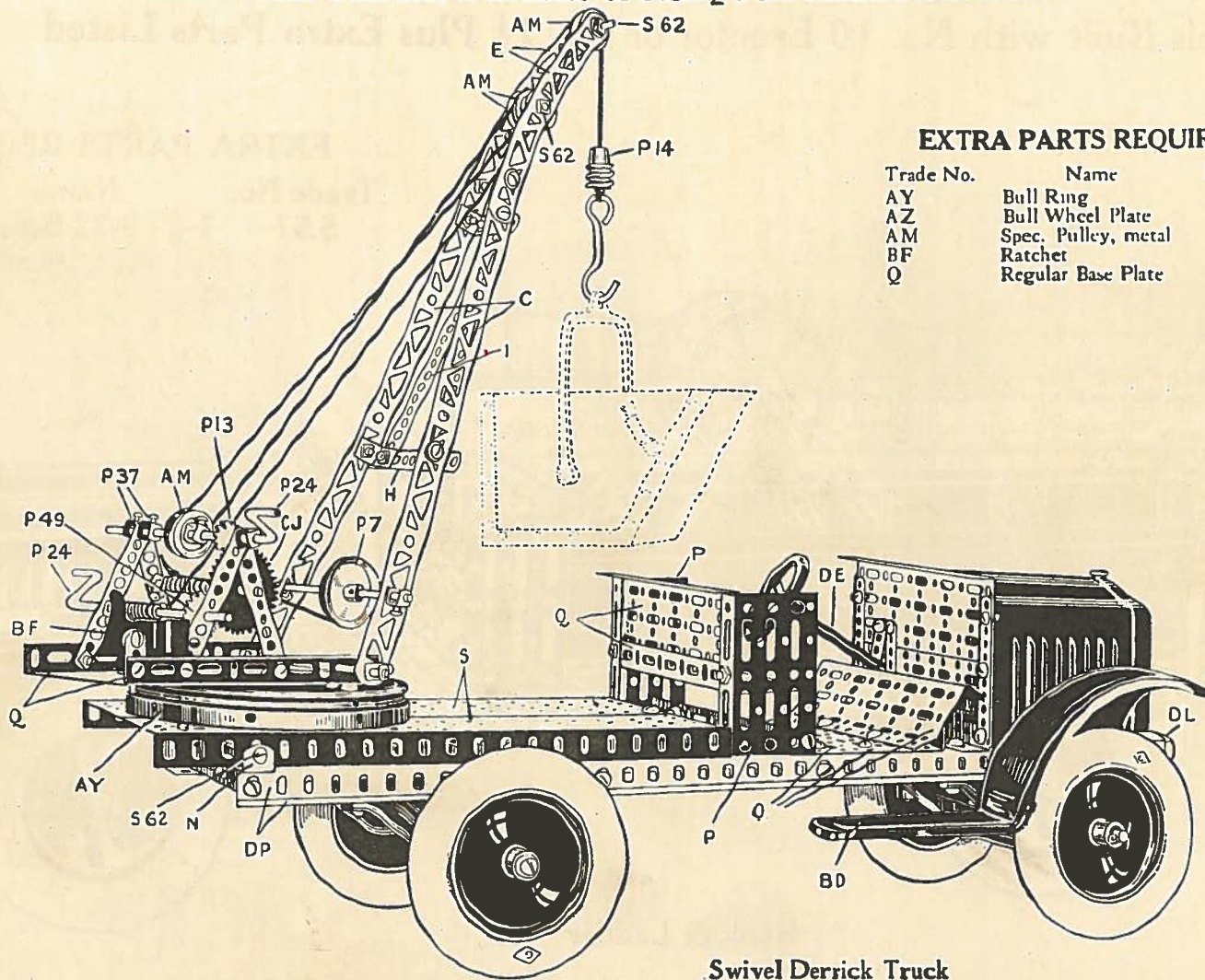
## EXTRA PARTS REQUIRED

Trade No.	Name	Quantity
S.57	1- <sup>3</sup> / <sub>8</sub> " 8-32 Screw	28



Hook & Ladder

## Models Built with No. 8 Erector or No. 7 $\frac{1}{2}$ Plus Extra Parts Listed



### EXTRA PARTS REQUIRED

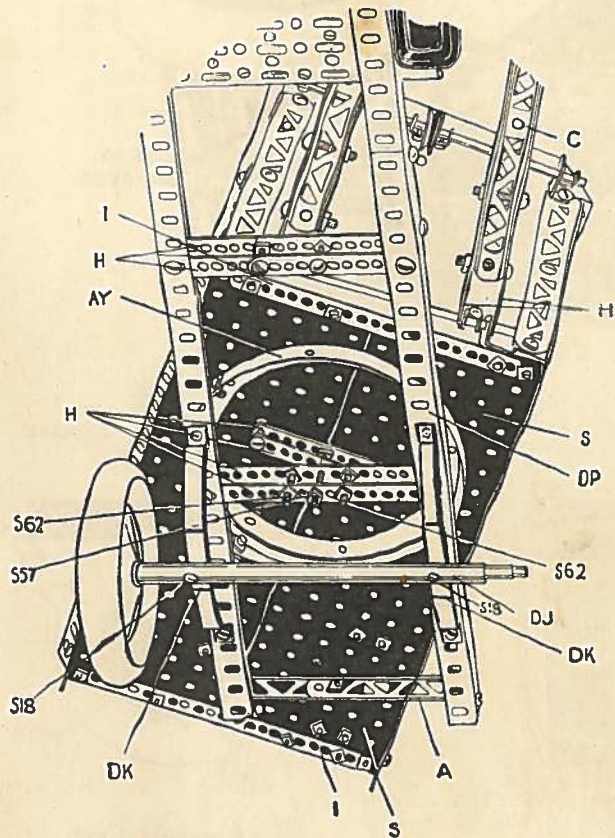
Trade No.	Name	Quantity
AY	Bull Ring	1
AZ	Bull Wheel Plate	1
AM	Spec. Pulley, metal	2
BF	Ratchet	1
Q	Regular Base Plate	2

Swivel Derrick Truck

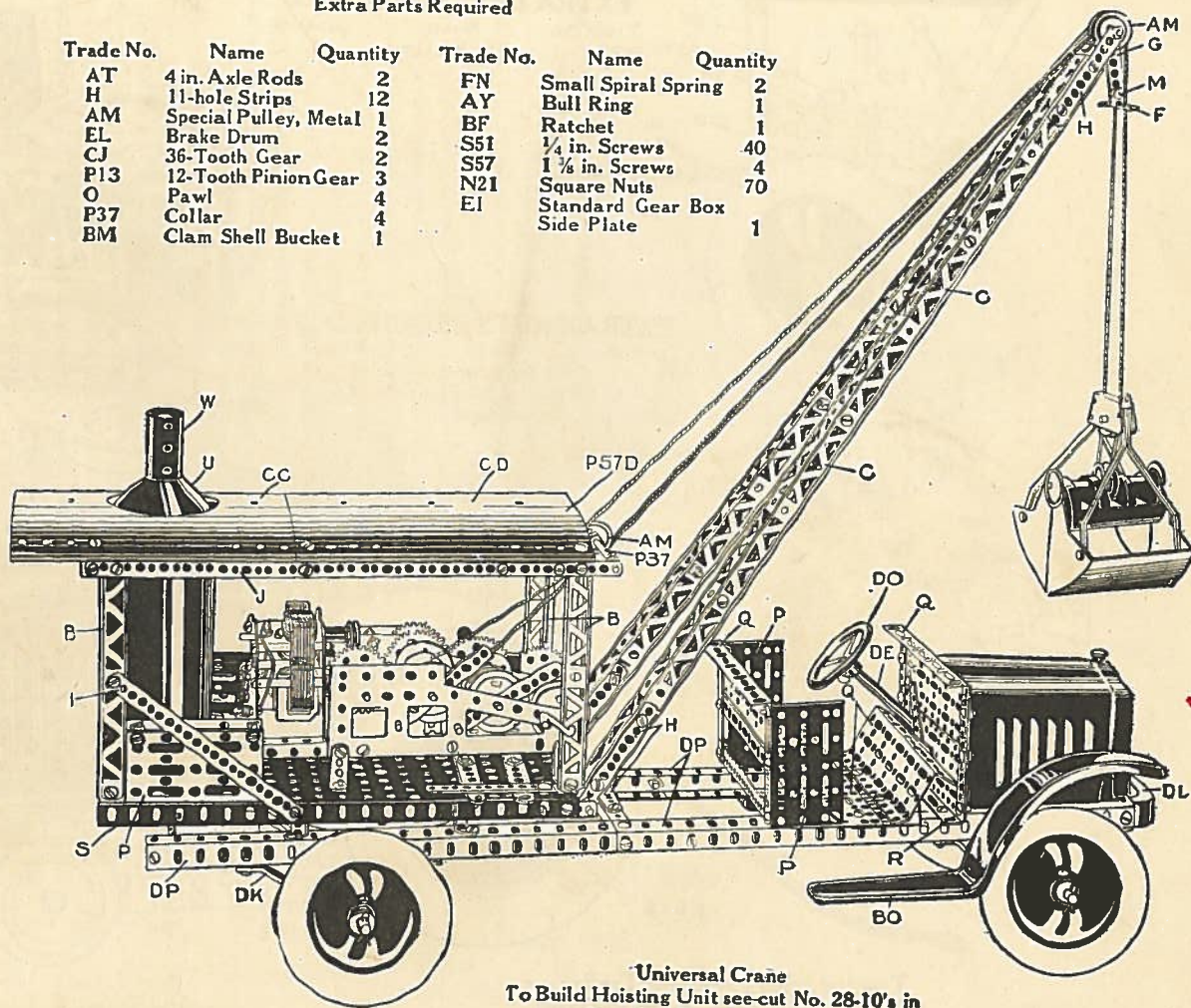
# Models Built With No. 10 Erector or 7½ Plus Extra Parts Listed.

## Extra Parts Required

Trade No.	Name	Quantity	Trade No.	Name	Quantity
AT	4 in. Axle Rods	2	FN	Small Spiral Spring	2
H	11-hole Strips	12	AY	Bull Ring	1
AM	Special Pulley, Metal	1	BF	Ratchet	1
EL	Brake Drum	2	S51	¼ in. Screws	40
CJ	36-Tooth Gear	2	S57	1 ½ in. Screws	4
P13	12-Tooth Pinion Gear	3	N21	Square Nuts	70
O	Pawl	4	EI	Standard Gear Box	1
P37	Collar	4		Side Plate	1
BM	Clam Shell Bucket	1			

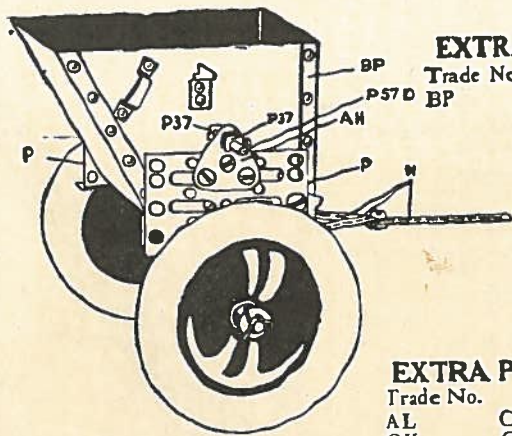


Detail Construction  
Universal Crane



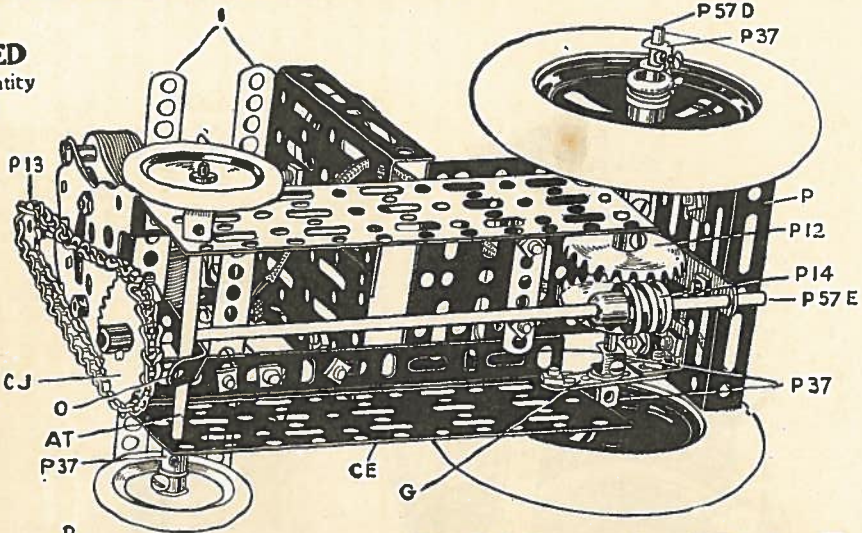
Universal Crane  
To Build Hoisting Unit see-cut No. 28-10's in  
Standard Gear Box Section

9  
**Models Built with No. ■ Erector or No. 7½ Plus Extra Parts Listed**



**EXTRA PARTS REQUIRED**

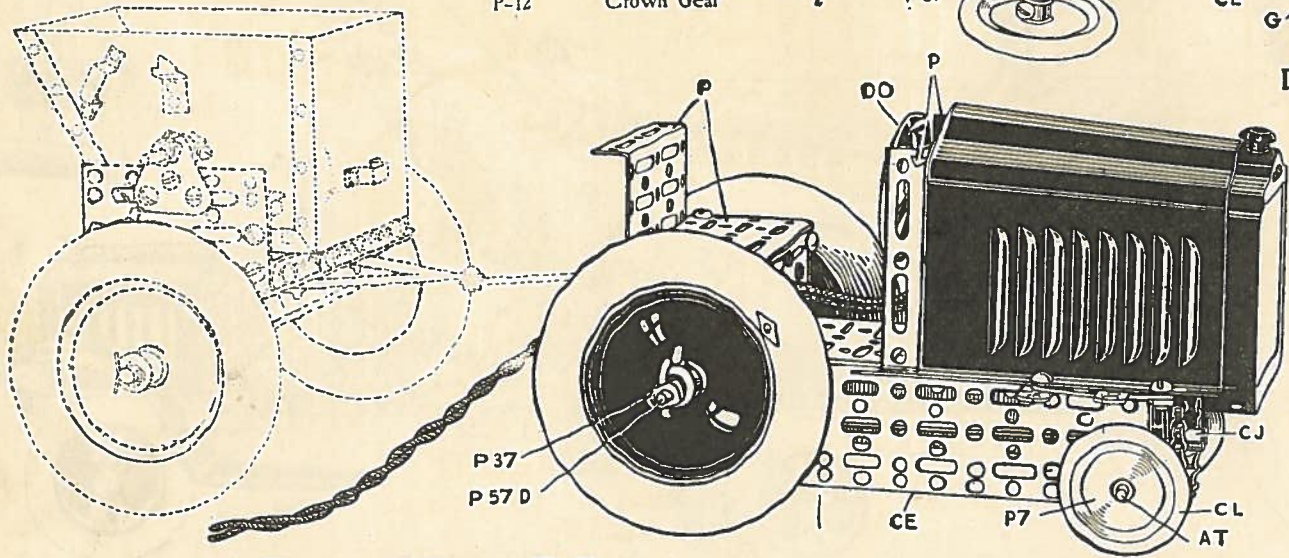
Trade No.	Name	Quantity
BP	Tip Bucket	1



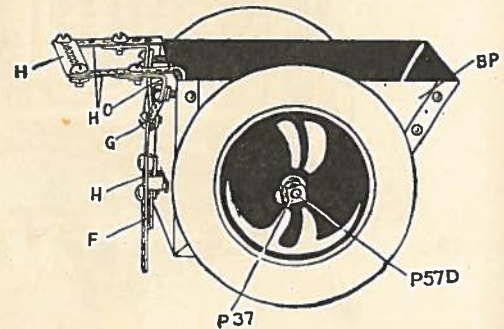
**EXTRA PARTS REQUIRED**

Trade No.	Name	Quantity
AL	Collar formed 1 side	1
CK	Coil of Magnet wire	1
P-12	Crown Gear	2

**Detailed Construction of Gearing- Tractor**



**Tractor with Concrete Trailer  
 (Trailer Built with No. ■ Erector)**



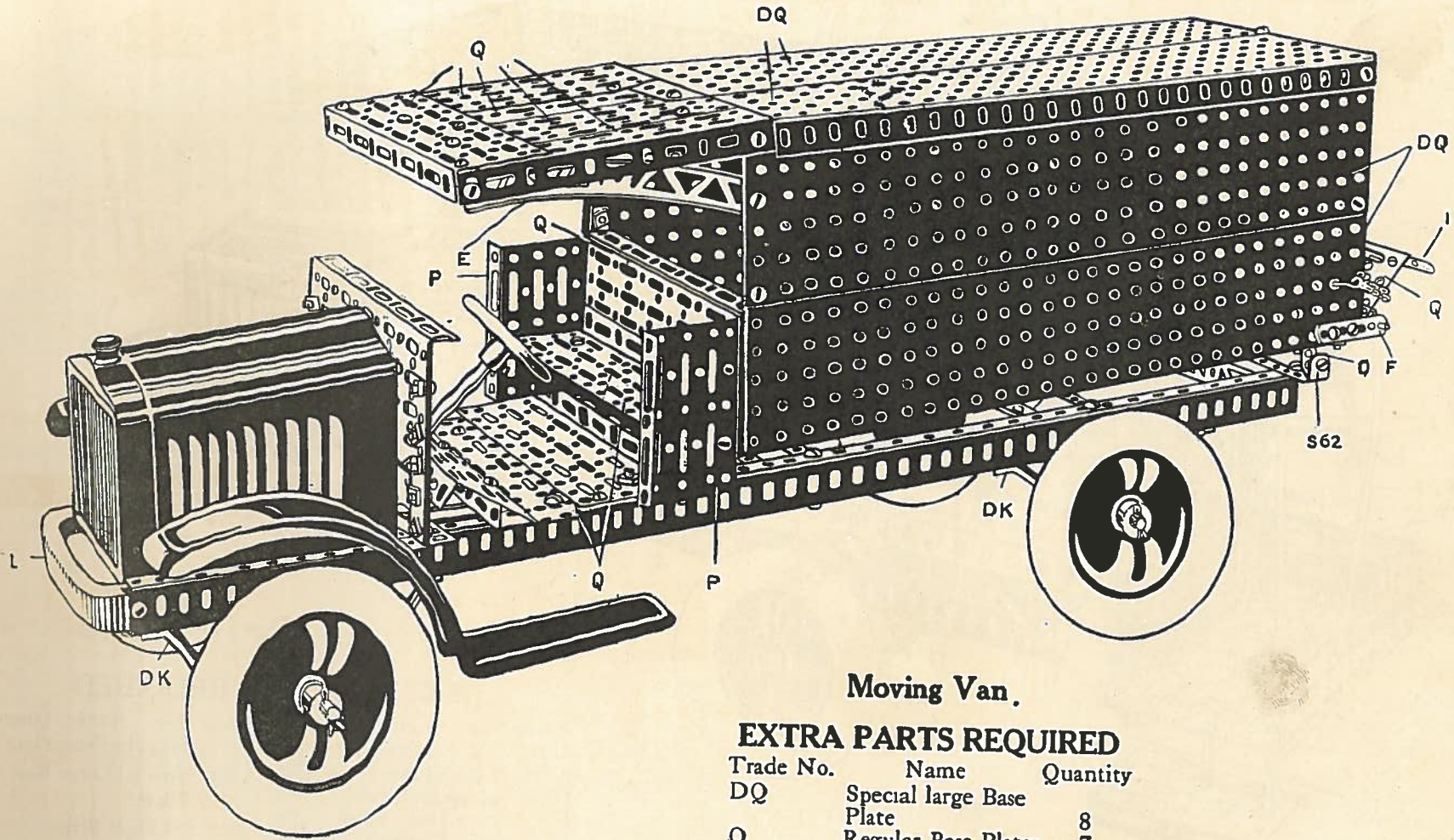
**Concrete Cart**

**EXTRA PARTS REQUIRED**

Trade No.	Name	Quantity
BP	Tip Bucket	



# Models Built with No. 10 Erector or No. 7½ Plus Extra Parts Listed

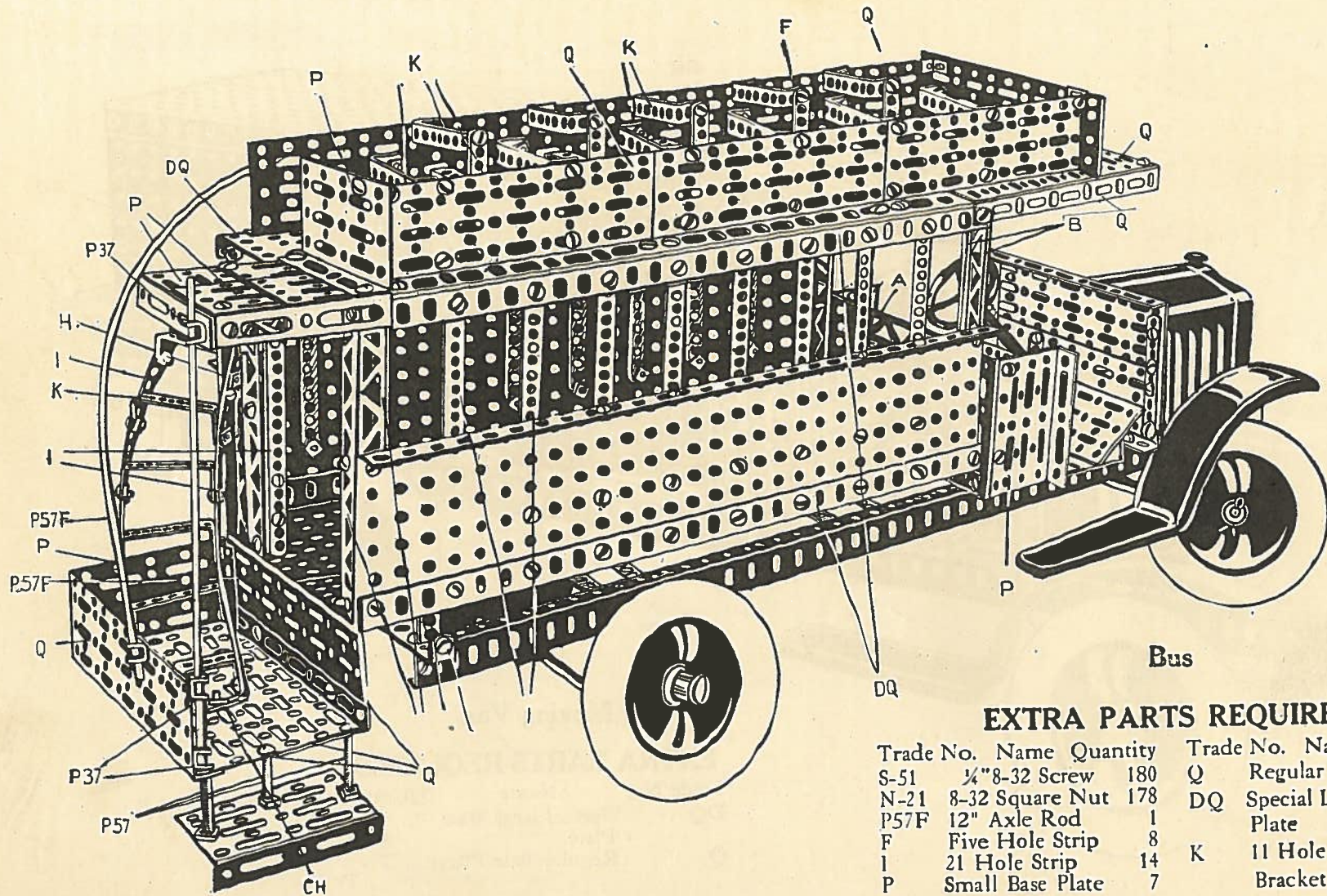


Moving Van.

## EXTRA PARTS REQUIRED

Trade No.	Name	Quantity
DQ	Special large Base Plate	8
Q	Regular Base Plates	7

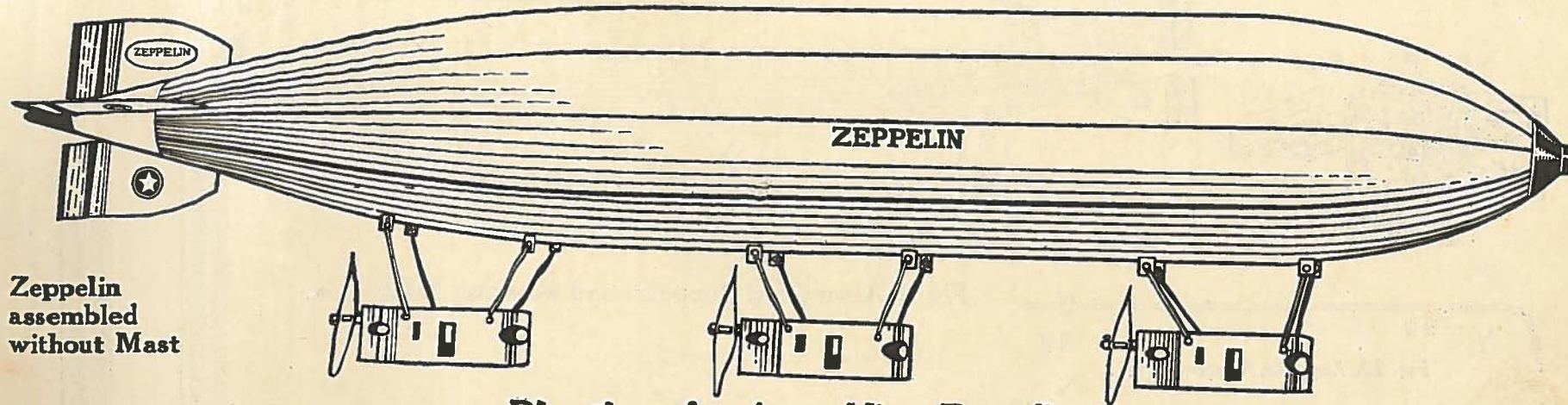
# Models Built with No. 10 Erector or No. 7½ Plus Extra Parts Listed



Bus

## EXTRA PARTS REQUIRED

Trade No.	Name	Quantity	Trade No.	Name	Quantity
S-51	¼" 8-32 Screw	180	Q	Regular Base Plate	22
N-21	8-32 Square Nut	178	DQ	Special Large Base Plate	6
P57F	12" Axle Rod	1	K	11 Hole Strip Bracket	25
F	Five Hole Strip	8			
I	21 Hole Strip	14			
P	Small Base Plate	7			



**Zeppelin  
assembled  
without Mast**

### Directions for Assembling Zeppelin

**FRAME** Assemble girders and angles as in Figure 2, using small holes in angles when fastening them to the frame—bend nose girders (Fig. 3) so that ends fit between nose caps. Fasten nose caps together with bolts and nuts through side holes. Insert Zeppelin support rod and fasten in place with collar (Fig. 2). Also see Fig. 2A. Now fasten tail girders together with a piece of ordinary string (Fig. 4). Tie ring HP to inside of girders with four pieces of string. See Fig. 2.

**TO PUT ON BAG** Be careful when putting bag on, to avoid tearing it. Do not put bag lacing through eyelet holes before bag has been stretched in place over frame. Pull bag over the nose towards the tail end. When you have it stretched over angles, take a knife and cut small slits in the bag, so that the angles (Fig. 1) can come through. Now you are ready to lace the bag, which should be laced from nose to tail, lacing tightly to get a nice smooth surface. Knot your string at the end of the bag, but do not cut off the ends. You will need them later.

**TAIL ASSEMBLY** Assemble as in Fig. 5, making sure the heads of the screws are on the inside of the cone. To put tail on, put a large knot in

your lacing string, about one inch from the end of the girders, and then put string through the tail. Place tail over the bag on frame and in the right position (Fig. 1). Then pull string tight until knot comes through and catches V notch at small end of cone.

**GONDOLA ASSEMBLY** Assemble as in Fig. 6. If you want to motorize your Zeppelin, place motor in gondola as in Fig. 7. Fasten gondolas to angles by means of struts using the long holes in the angles for adjusting them in line. See Fig. 7.

**MOORING MAST** Assemble girders as in Fig. 8. Overlapping ends as shown. Assemble two HP and BAX units, and complete top construction as shown in Fig. 10. Fasten completed mast to a 2 or 3 ft. board or to floor with wood screws, (Fig. 8.) Put Zeppelin support rod down into mast, and you have completed the Great Trail Blazing Zeppelin. You can make your Zeppelin fly continuously like the real ones, (See Fig. 9), by using P-61 high speed motor and extra parts illustrated on electrical equipment page, and these parts can be added to your set at extra cost.

# Models Built with No. 8 Erector

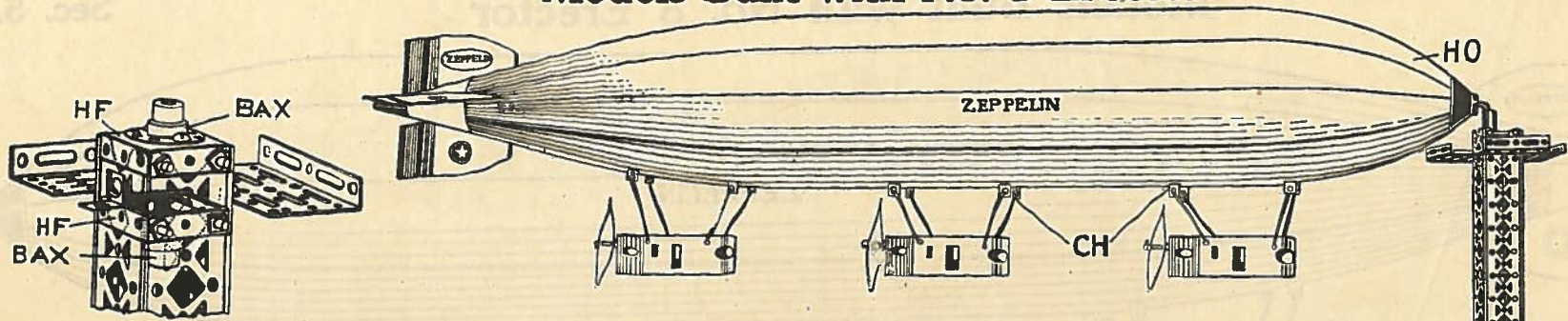


Fig. 1 Assembled Zeppelin and Mooring Mast



Fig. 2A Zeppelin Support Rod

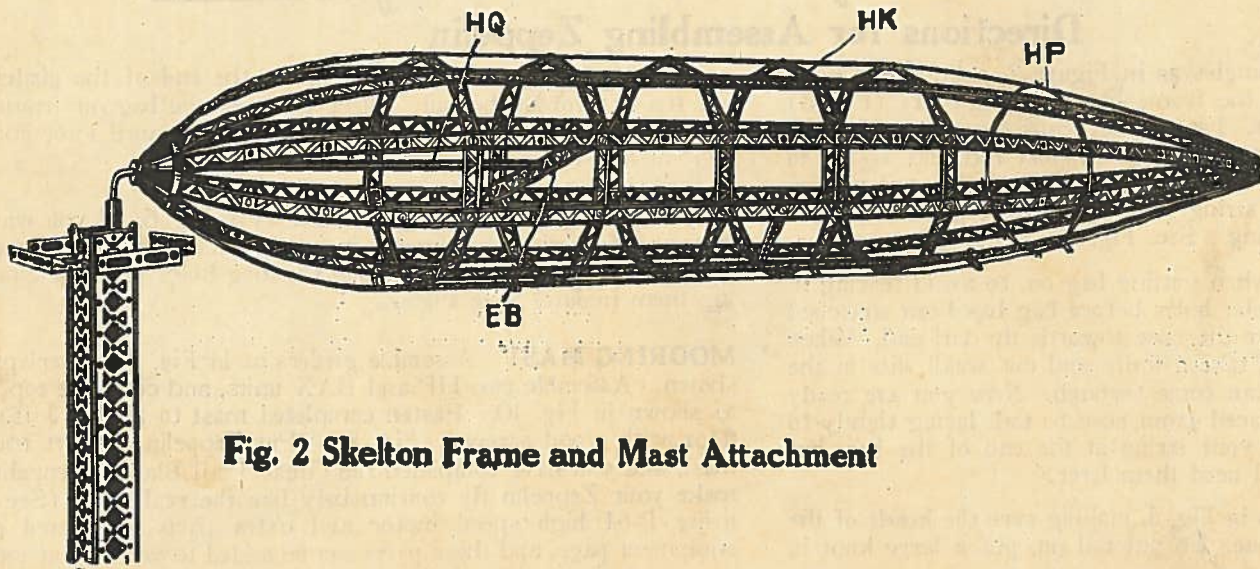


Fig. 2 Skelton Frame and Mast Attachment

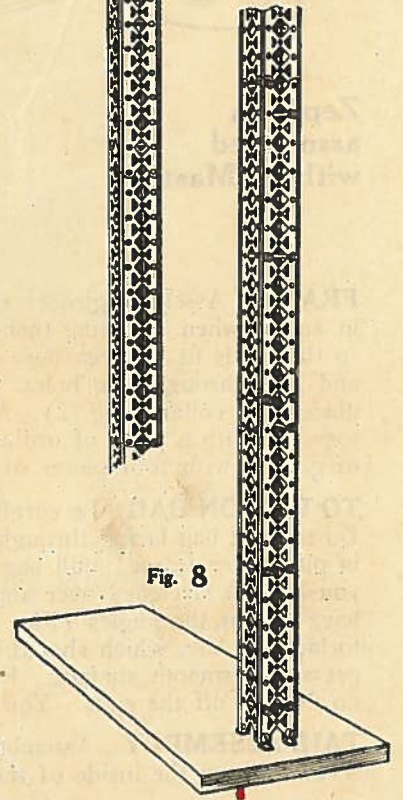


Fig. 8

## Models Built with No. 8 Erector

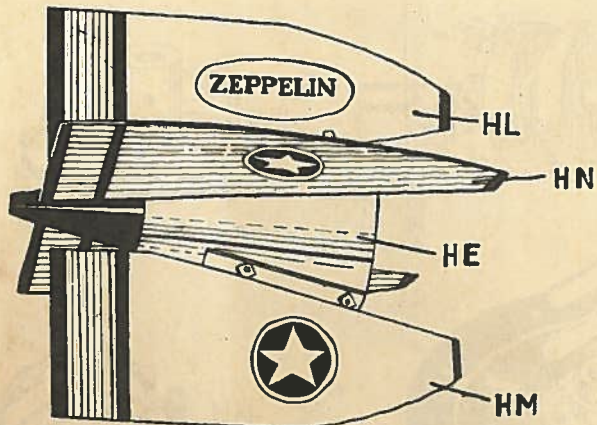


Fig. 5 Tail Assembly  
Cone, Stabilizer and Rudder

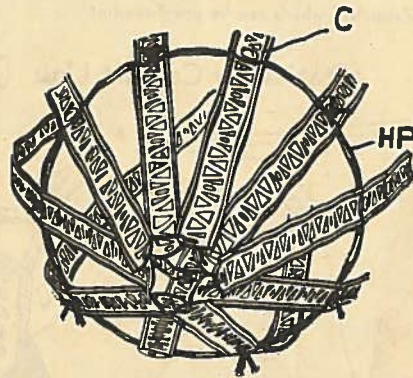


Fig. 4 Detail End View

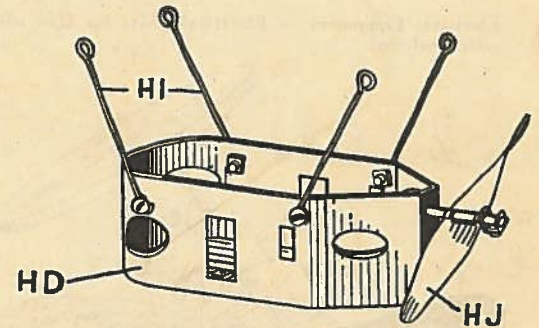


Fig. 6 Gondola, Struts and Propeller

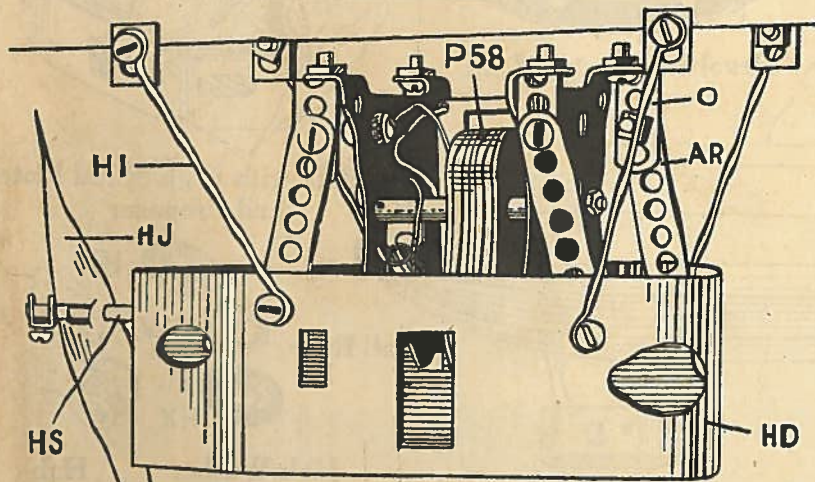


Fig. 7 Motor Assembled in Gondola attached to Frame

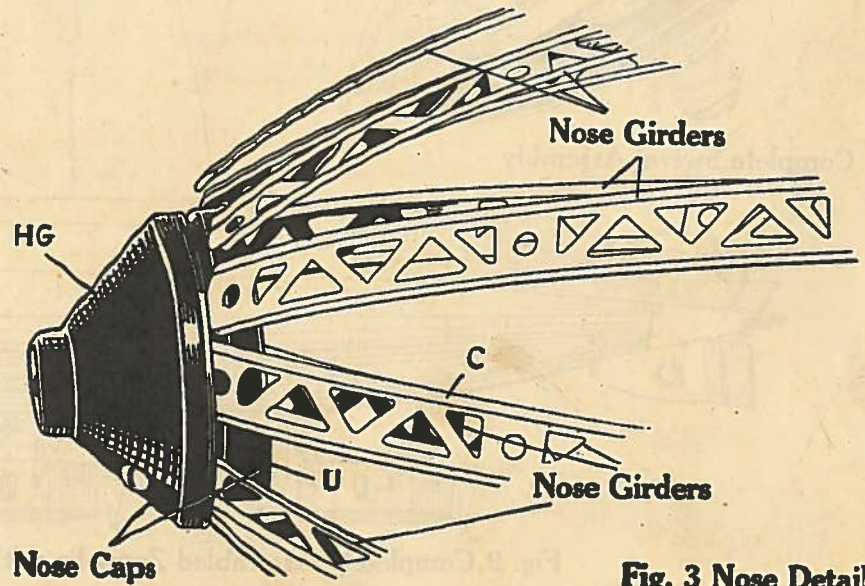


Fig. 3 Nose Detail.

# Models Built with No. 8 Erector

Electrical Equipment — Electrical Units for Use with the Flying Zeppelin, which can be purchased at additional cost.

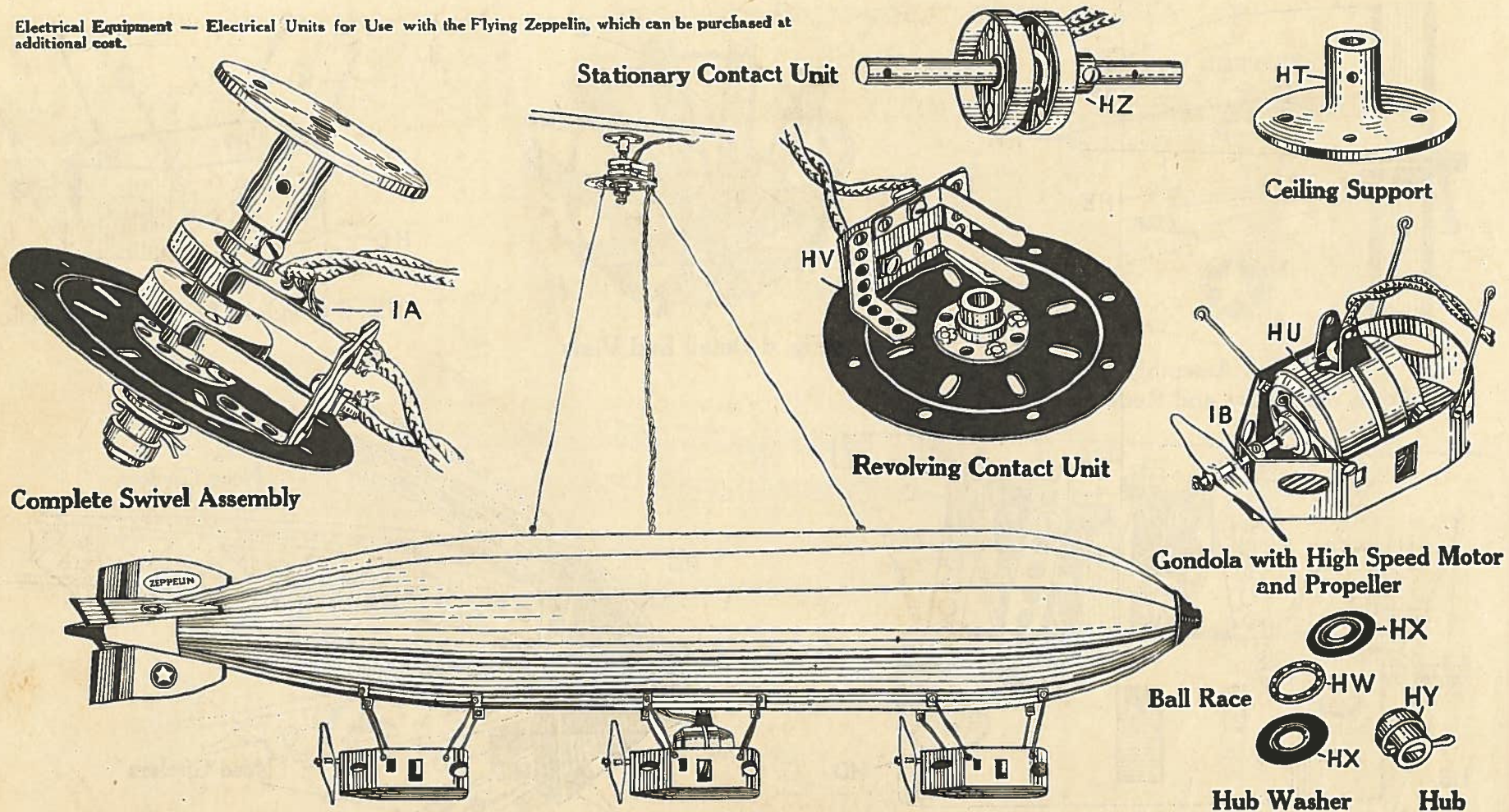
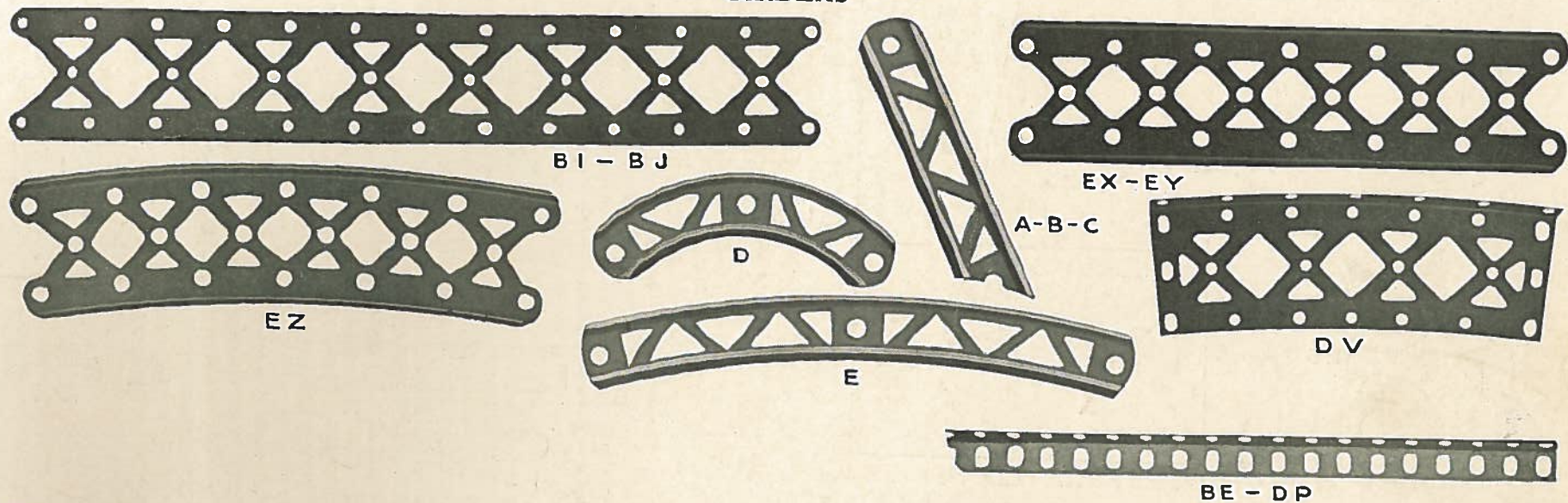


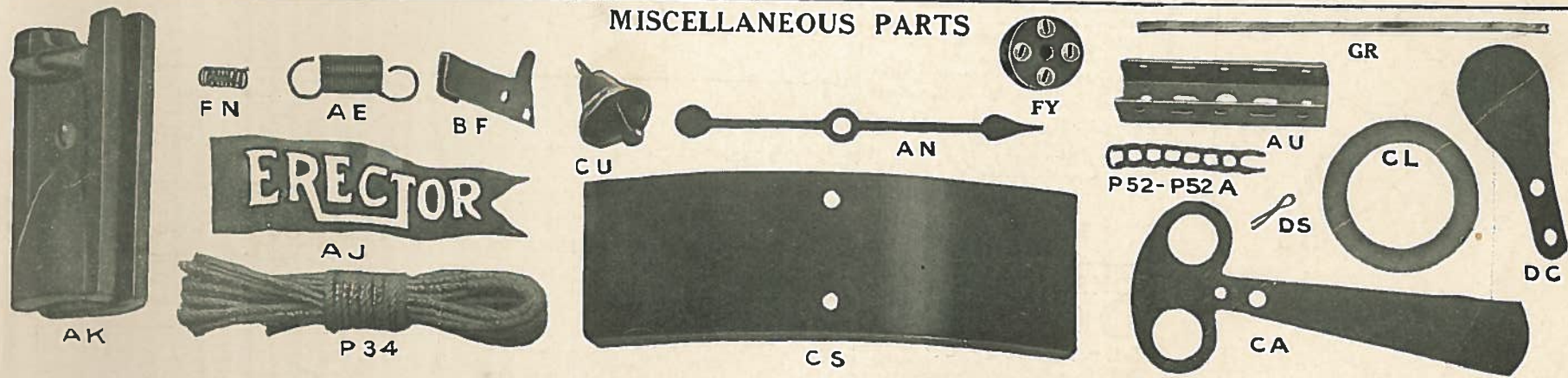
Fig. 9 Completely Assembled Zeppelin with Electrical Equipment for Flying!

# ERECTOR SEPARATE PARTS

## GIRDERS

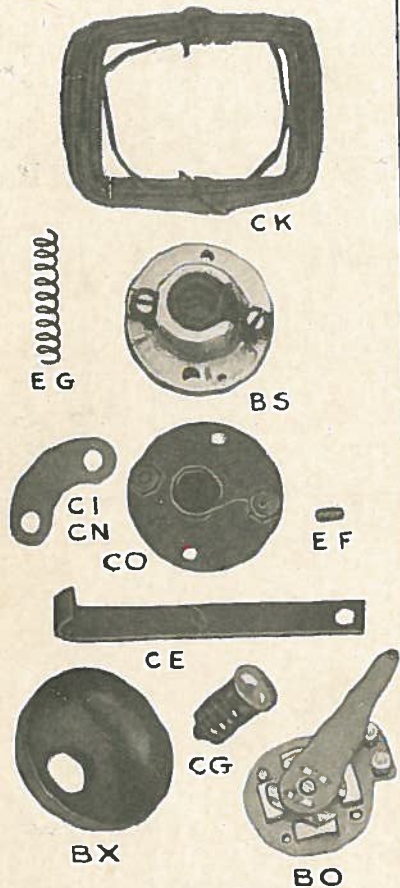


## MISCELLANEOUS PARTS



# ERECTOR SEPARATE PARTS

## ELEC. ACCESSORIES



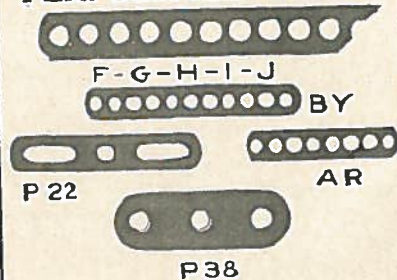
## COLLARS COUPLINGS



## SCREWS & NUTS



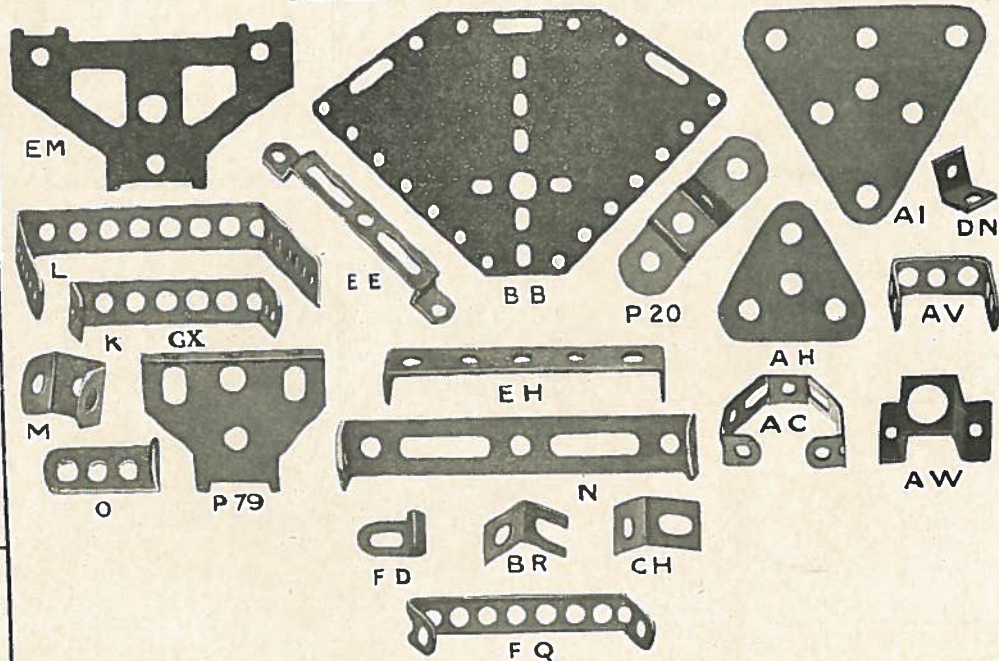
## PERFORATED STRIPS



## HOOKS & WASHERS



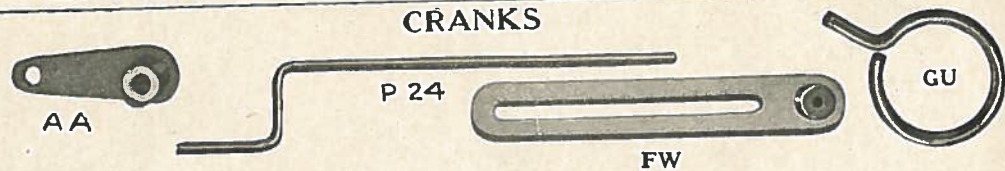
## ANGLE & ANGLE PIECES



## AXLE RODS & SHAFTINGS

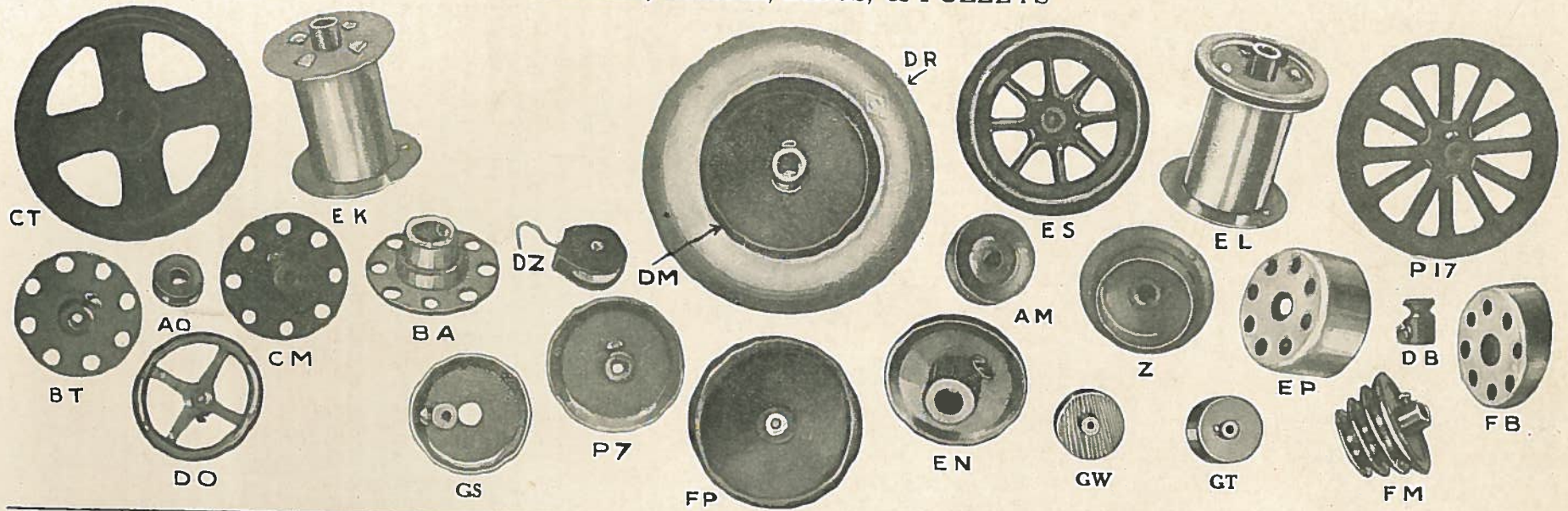
CX - P57A - AS - AT - CY - P57D - CZ - P57E - DA - P57F - AX - DU - EC

## CRANKS

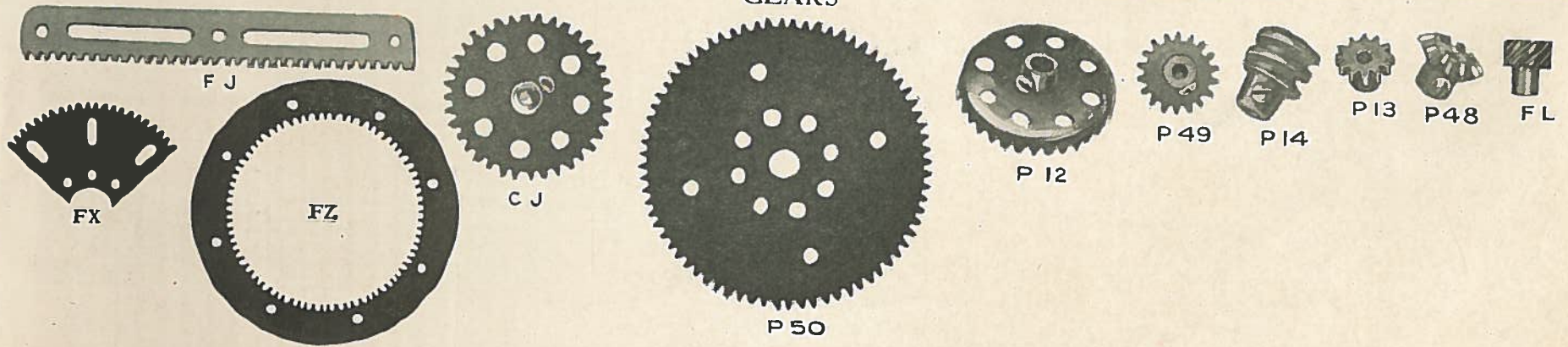




# ERECTOR SEPARATE PARTS WHEELS, DRUMS, DISCS, & PULLEYS

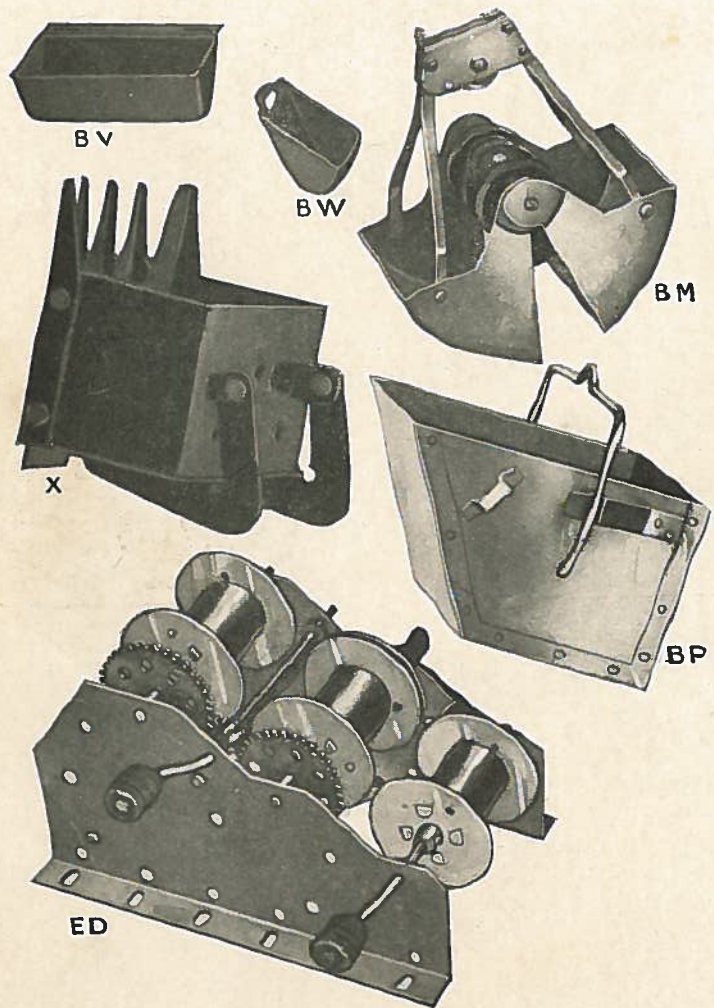


## GEARS



# ERECTOR SEPARATE PARTS

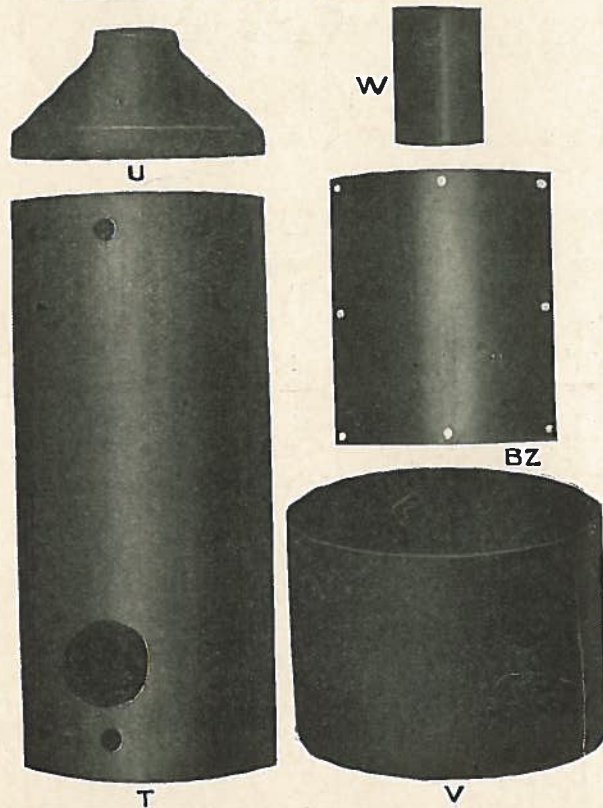
## SCOOPS & BUCKETS



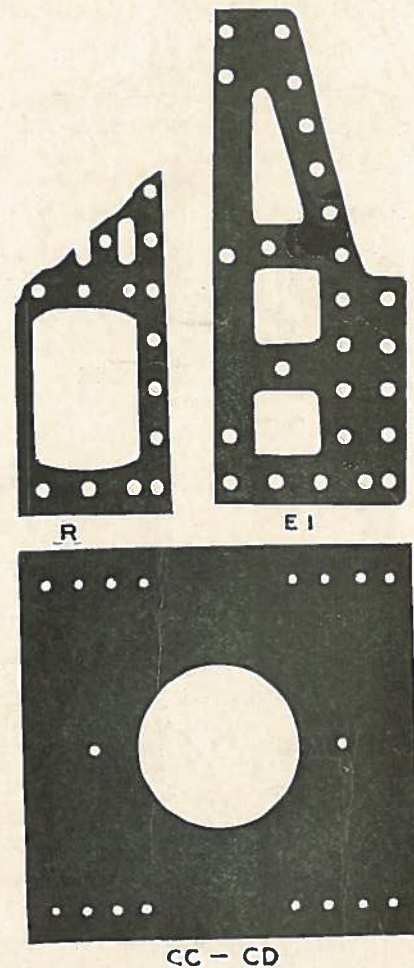
## TOOLS



## BOILERS AND ACCESSORIES

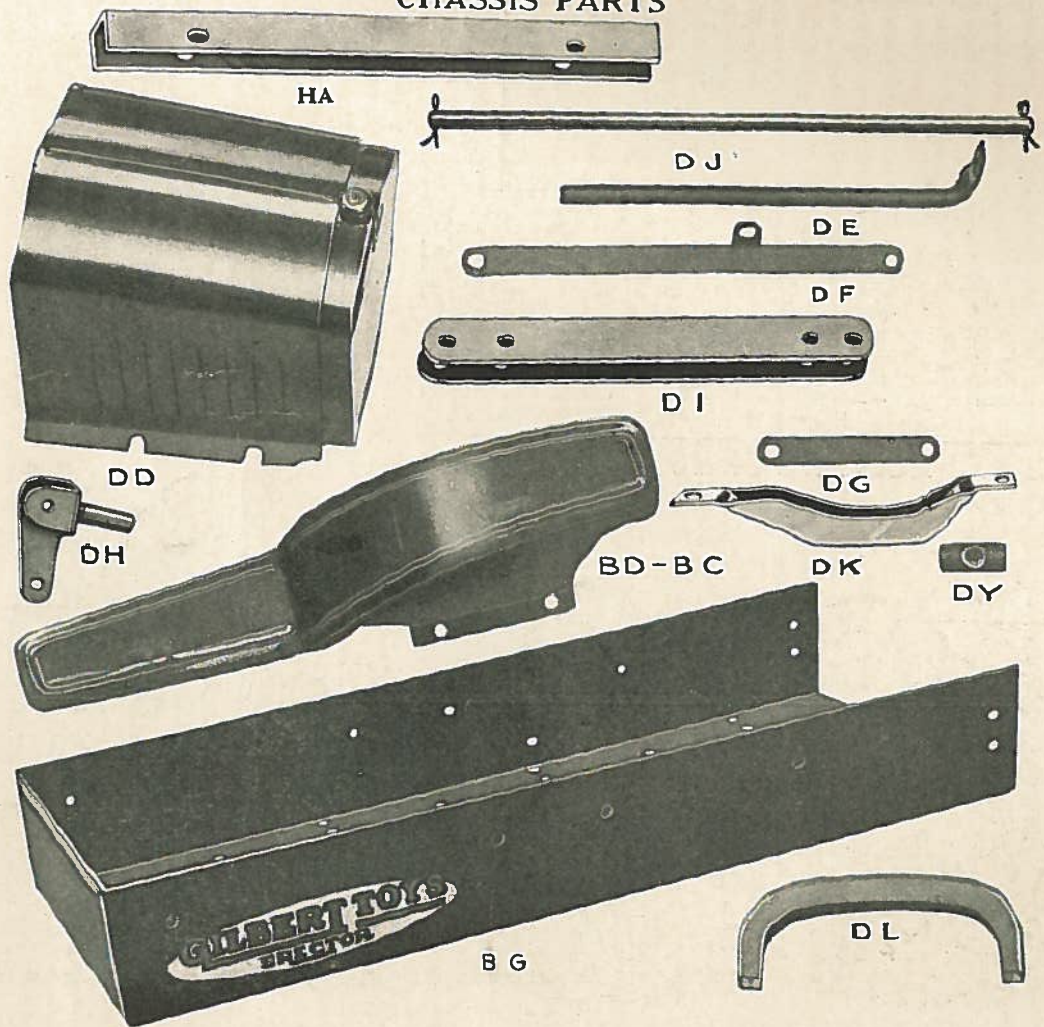


## SIDE PLATES CAB TOPS

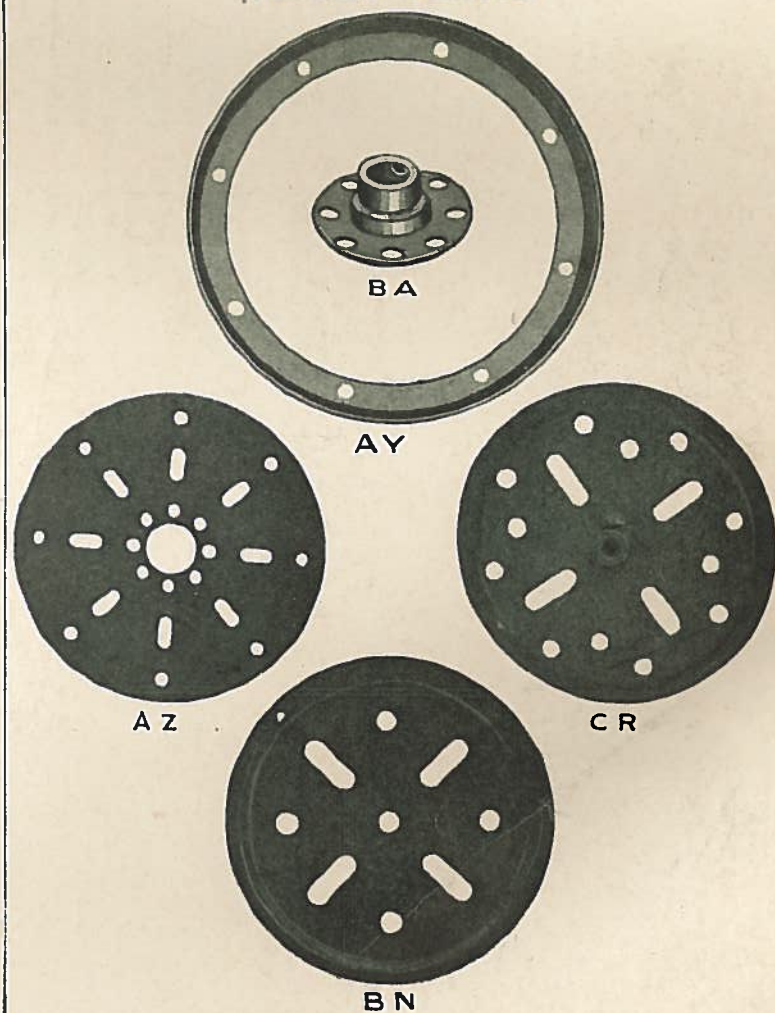


# ERECTOR SEPARATE PARTS

## CHASSIS PARTS

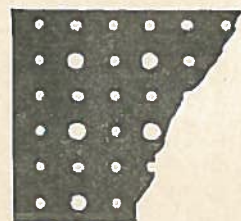


## TURRET PLATES



# ERECTOR SEPARATE PARTS

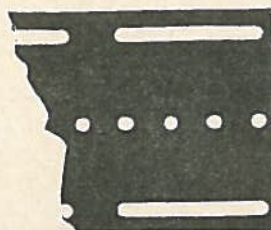
## BASE PLATES



DQ-S



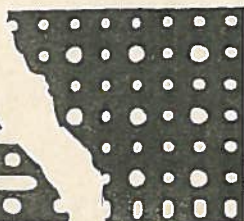
FO



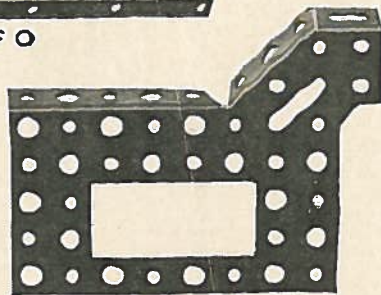
EJ



Q-P



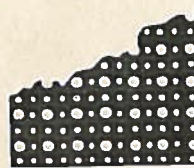
EW



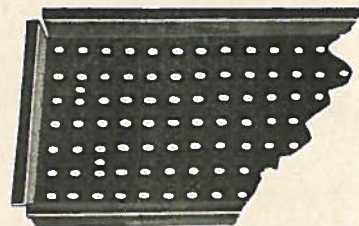
FC-FK



EO-EU



GA



GY

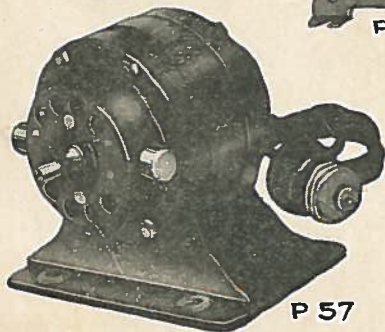
## MOTORS AND HOISTING UNITS



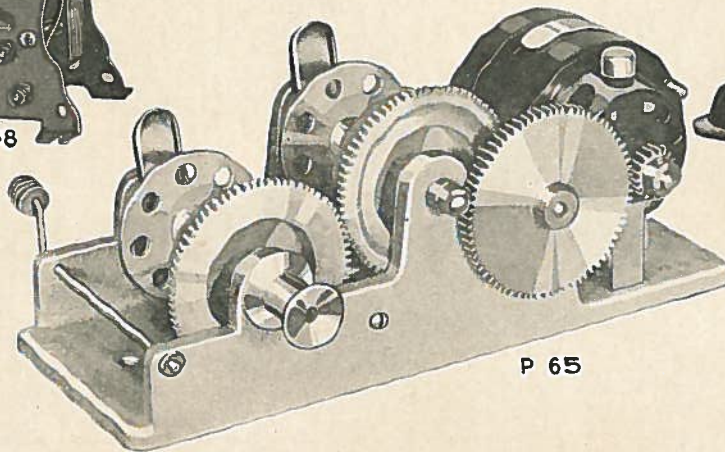
P 59



P 58



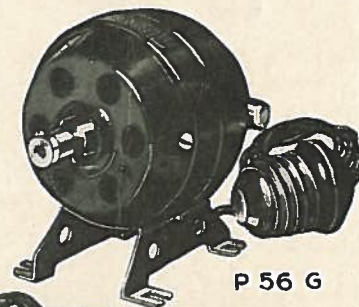
P 57



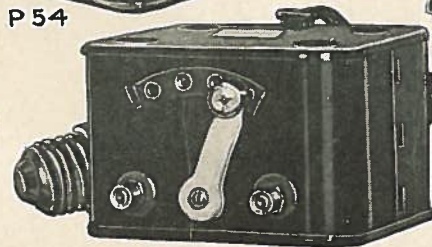
P 65



P 54



P 56 G



P 60 C

## 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	.10 ea.	BV	Cham 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	1/4 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	.30 ea.	CA	Signal Arm.....	1	.10 ea.		5-16 in. diam.....	2	.50 ea.
P15	Coupling.....	2	.10 ea.	V	Short Boiler.....	4	.15 ea.	CB	Wrench.....	4	.65 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.....	2	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	Tooth 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	1 ea.	EN	1/4 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 Plug.....	1	3 for .05	CP	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.	CQ	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
P54G	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.
P57A	2 in. Axle.....	2	.02 ea.	AQ	Shaft Pulley.....	3	.05 ea.	CU	Bell.....	1	.10 ea.	FA	1 1/4 in. x 8-32 Screw.....	2	.20 doz.
P57D	6 in. Axle.....	2	.06 ea.	AR	8 Hole Strip.....	2	.10 doz.	CV	(Discontinued)			FB	Cam.....	3	.15 ea.
P57E	8 in. Axle.....	2	.08 ea.	AS	3 in. Axle Rod.....	2	.03 ea.	CW	(Discontinued)			FC	Machine Frame Right.....	6	.25 ea.
P57F	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.	FJ	Rack.....	3	.25 ea.
P59	Reverse Base.....	6	.75 ea.	AV	7 Hole Strip Bracket.....	2	2 for .05	CZ	7 in. Axle Rod.....	2	.07 ea.	FK	Machine Frame Left.....	6	.25 ea.
P60C	Transformers.....	6	3.50 ea.	AW	Foot Block.....	2	.15 ea.	DA	10 in. Axle Rod.....	2	.10 ea.	FL	Helical Gear.....	3	.25 ea.
P65	Disc Clutch Pow Hoist.....	6	15.00 ea.	AX	1934 in. Axle Rod.....	2	.20 ea.	DB	Motor Pulley.....	3	.10 ea.	FM	Cone Pulley.....	3	.50 ea.
P79	Car Truck.....	2	.05 ea.	AY	Bull Ring.....	5	.50 ea.	DC	Propeller Blade.....	1	2 for .10	FN	Small Spiral Spring.....	1	2 for .05
P1133	Terminal Nut 4-40.....	2	.10 doz.	AZ	Bull Wheel Plate.....	5	.25 ea.	DD	Hood & Radiator.....	5	.75 ea.	FO	Double Angle Base Plate.....	6	.05 ea.
S-3	3/4 in. x 4-40 Terminal Screw.....	2	.12 doz.	BA	B. W. Cntr (with Hub) 3 & 5.....	2	.25 ea.	DE	Steering Column.....	5	.10 ea.	FP	Small Disc Wheel.....	3	.10 ea.
S-11	Set Screw.....	2	.05 doz.	BB	Segment Plate.....	2	.15 ea.	DF	Tie Rod.....	5	.10 ea.	FQ	Double Angle Bracket.....	2	.35 doz.
S-14	1/4 in. x 6-32 Screw.....	2	.05 doz.	B2	Wood Handle Screw Driver.....	4	.15 ea.	DG	Drag Link.....	5	.05 ea.				
S-51	1/4 in. x 8-32 Screw.....	2	.10 doz.	BC	Left Fender.....	5	.35 ea.	DH	Steering Knuckle.....	5	.15 ea.				
S-57	1/4 in. x 8-32 Screw.....	2	.20 doz.	BD	Right Fender.....	5	.35 ea.	DI	Front Axle.....	5	.10 ea.				
S-62	7/8 in. x 8-32 Screw.....	2	.15 doz.	BE	6 in. Slotted Angle Strip.....	1	.50 doz.	DJ	Rear Axle.....	5	.15 ea.				
A	2 1/2 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	2 1/2 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	Tip Bucket.....	4	2.50 ea.	DT	1 hole Set Screw Coupling.....	2	2 for .15				
L	21 Hole Strip Bracket.....	2	.05 ea.	BR	Resistance Wire (not illustrated).....	2	.10 ea.	DU	1/4 in. Diam. Axle 8 1/4 in.....	2	2 for .75				
M	Small Double Angle.....	2	.25 doz.	BR	Open Slot Angle.....	2	.25 doz.	DV	6 in. Curved Beam Girder.....	1	6 for .75				
N	Long Double Angle.....	2	.05 ea.	BS	Porcelain Socket.....	2	.20 ea.	DW	Attachment Plug—not illustrated		.15 ea.				

## ERECTOR SEPARATE PARTS PRICES (Continued)

Trade No.	Name of Part	Page	Price	Trade No.	Name of Part	Page	Price	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	6 x 8 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	1/4 in. x 8-32 Screw .....	2	.12 doz.								

### REGULAR ERECTOR MANUALS

No. 1	Erector Manual .....	.25 ea.
No. 3	Erector Manual .....	.25 ea.
No. 4	Erector Manual .....	.25 ea.
No. 6	Erector Manual .....	.25 ea.
No. 7	Erector Manual .....	.25 ea.
No. 7 1/2	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.

