



Supplementary Book of Instructions

TO BE USED IN CONNECTION WITH 1914 MANUAL OF



THE AMERICAN MODEL BUILDER

THE TOY FOR THE BOY

THIS BOOKLET SHOWS MANY NEW, NOVEL AND INTERESTING MODELS
THAT CAN BE MADE WITH YOUR AMERICAN MODEL BUILDER OUTFIT

SEE LATEST PRIZE OFFER ON PAGE TWO

The American Mechanical Toy Company

DAYTON, OHIO, U. S. A.

The American Model Builder

To Strengthen the Mind is to Exercise not Rest—Pope



IN our regular 1915 American Model Builder Outfits, we are furnishing some new and novel parts, as described on page 43 of this Booklet. These parts greatly increase the scope of the number of models that can be made with these Outfits, as shown by some of the cuts in this Booklet. All these new parts have been made interchangeable with all American Model Builder Outfits, so that our users can purchase these extra parts, shown on page 43, and thus bring their Sets strictly up to date.

While our new 1915 Complete Manual of Instruction shows 370 different models that can be made with The American Model Builder, this by no means covers the entire scope of the models that can be built, as these models have been selected from more than 3,000 models built up and only lack of space prevents us from showing a larger number.

MOTORS AND ACCESSORIES—We are offering a very complete line of Electric Motors, Transformers and Countershafts at popular prices, as described on page 44 of this Booklet.

TRANSFORMERS—To overcome the inconvenience of dry cells and storage batteries, we are supplying Transformers No. 400 and No. 410, which can be attached to any 110-volt Alternating Current lamp circuit. For full descriptions, see page 44.

Accessory Outfits and Separate Parts can be purchased from all dealers handling American Model Builder Outfits. If your dealer cannot supply you, we shall be glad to fill orders direct from the factory at the prices shown on pages 43 and 45.

PRIZES—Because of the interest shown in our last contest, we have decided to increase the value and number of prizes in our 1916 contest, for sketches, drawings, photographs or suggestions of the best original models submitted by April 1, 1916, as follows:

First Prize.....	value \$100.00	\$100.00
Two Prizes.....	" 25.00 each	50.00
Three ".....	" 15.00 "	45.00
Four ".....	" 7.50 "	30.00
Ten ".....	" 5.00 "	50.00
Twenty ".....	" 3.00 "	60.00
Fifty ".....	" 2.00 "	100.00
Sixty-five Prizes.....	" 1.00 "	65.00

Total, 155 Prizes.....value \$500.00

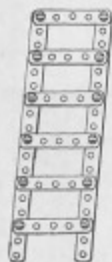
No entrance fee of any kind will be charged. In order to compete for these prizes, it is not necessary for the contestants to own or buy an American Model Builder Outfit. Simply send us a drawing, sketch, photograph or model made of Steel, Cardboard, Wood, Tin or any other material, and all will receive equal consideration. These will then be submitted to three members of the Board of Directors of the Dayton Y. M. C. A., and the awards will be made by them between April 15 and May 1, 1916. The committee will be governed in awarding the prizes by the mechanical and structural features involved in the design, as well as their practicability, usefulness and symmetry.

In submitting models, photographs or suggestions, **BE SURE** to give your **FULL NAME** and Postoffice address.

THE AMERICAN MECHANICAL TOY COMPANY
DAYTON, OHIO, U. S. A.

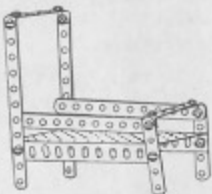
LADDER

Fig. No. 46



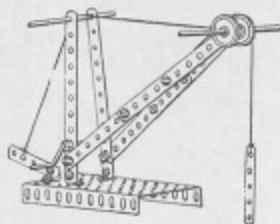
BED

Fig. No. 47



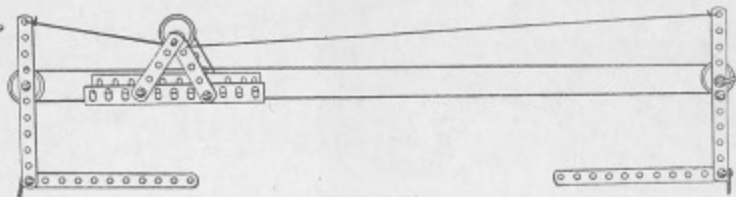
DERRICK

Fig. No. 48



TRANSPORTER

Fig. No. 49



SAW
BUCK

Fig. No. 50



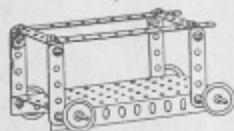
STEP
LADDER

Fig. No. 51



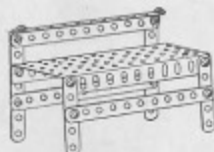
REEL

Fig. No. 52



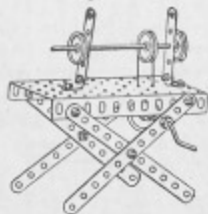
HAND
TRUCK

Fig. No. 53



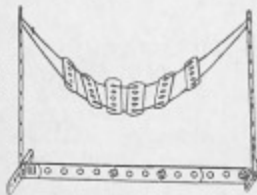
SETTEE

Fig. No. 54



LATHE

Fig. No. 55



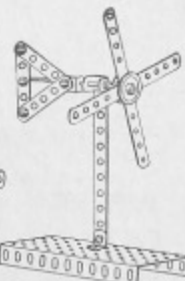
HAMMOCK

Fig. No. 56



COASTER

Fig. No. 57



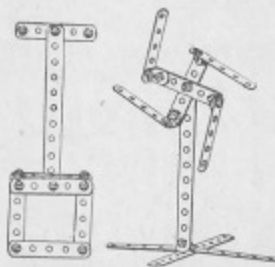
WEATHER
VANE

Fig. No. 58



BRIDGE

Fig. No. 59



SCRAPER

Fig. No. 60



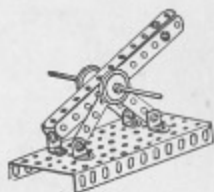
SWASTIKA

Fig. No. 61

All Models shown on this page can be made with The American Model Builder Outfit No. 1.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

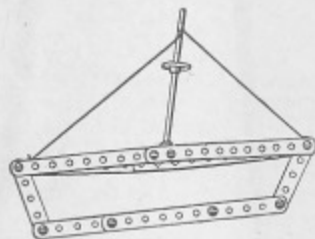
CANNON

Fig. No. 62



BOAT

Fig. No. 63



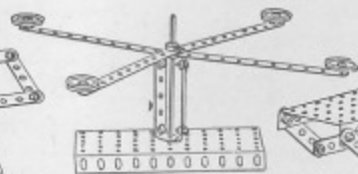
AEROPLANE

Fig. No. 64



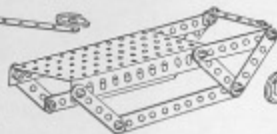
FLY-AROUND

Fig. No. 65



SLED

Fig. No. 66



RACER

Fig. No. 67



SKATE

Fig. No. 68

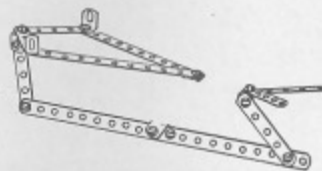
TELEGRAPH
POLE

Fig. No. 69



RAKE

Fig. No. 70

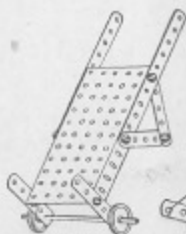
R. R.
TRUCK

Fig. No. 71

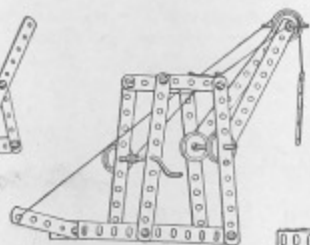
WELL
DRILL

Fig. No. 72



R. R. SIGNAL

Fig. No. 73

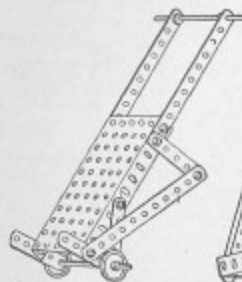
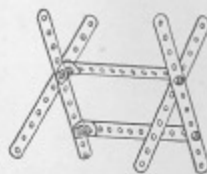
BAGGAGE
TRUCK

Fig. No. 74

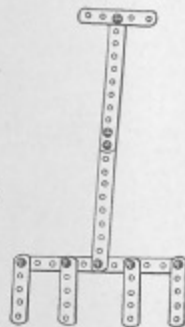
SUSPENDED
BRIDGE

Fig. No. 75



TRESTLE

Fig. No. 76



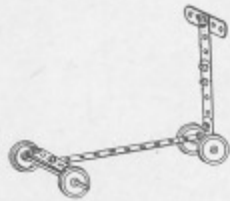
PITCHFORK

Fig. No. 77

All Models shown on this page can be made with The American Model Builder Outfit No. 1.
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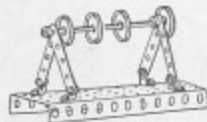
PUSH MOBILE

Fig. No. 78

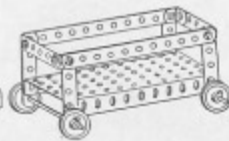


GRINDER

Fig. No. 79



BREAD TRUCK
Fig. No. 80



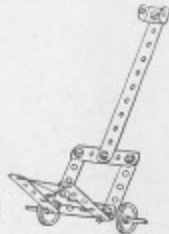
TRAY

Fig. No. 81



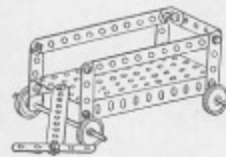
GO-CART

Fig. No. 82

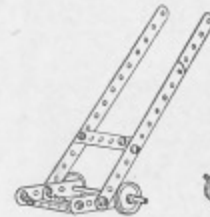


WAGON

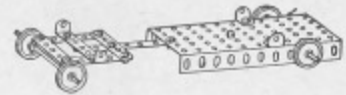
Fig. No. 83



HAND TRUCK
Fig. No. 84



STEERING BOB
Fig. No. 85



WHEELBARROW

Fig. No. 86

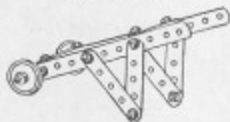


Fig. No. 88



Fig. No. 89



Fig. No. 90



Fig. No. 91

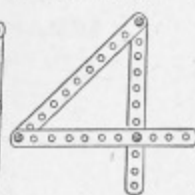


Fig. No. 92



Fig. No. 93

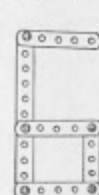


Fig. No. 94

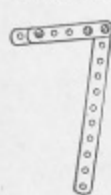


Fig. No. 95

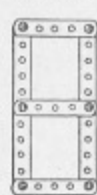


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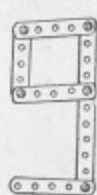
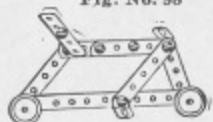


Fig. No. 97



BICYCLE

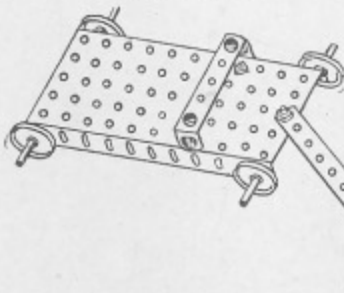
Fig. No. 98



FLAT TRUCK

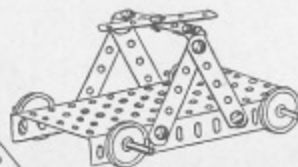
Fig. No. 87

FLAT BED WAGON
Fig. No. 100

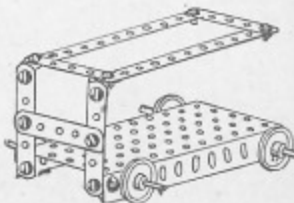


HAND CAR

Fig. No. 101

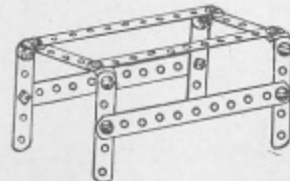


REPAIR TRUCK
Fig. No. 102



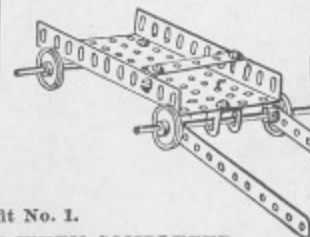
TABLE

Fig. No. 103



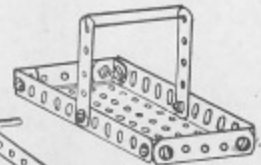
DOG-CART

Fig. No. 104



BASKET

Fig. No. 105



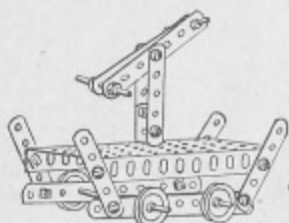
WALL PAPER TRUCK
Fig. No. 99



All Models shown on this page can be made with The American Model Builder Outfit No. 1.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED

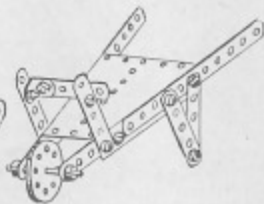
R. R. HAND CAR

Fig. No. 124



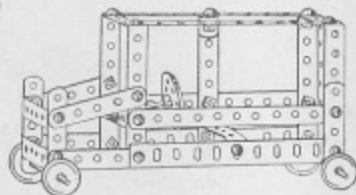
WHEELBARROW

Fig. No. 125



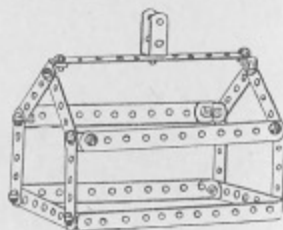
AUTO MAIL TRUCK

Fig. No. 126



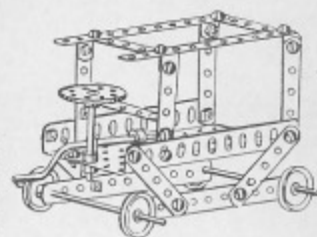
HOUSE

Fig. No. 127



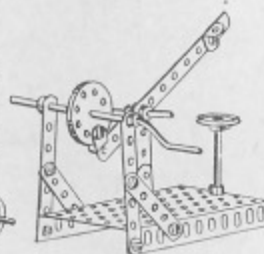
AUTO TRUCK

Fig. No. 128



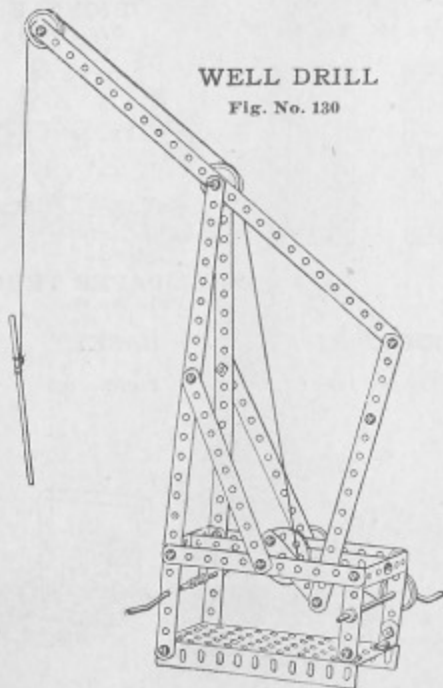
TRIP HAMMER

Fig. No. 129



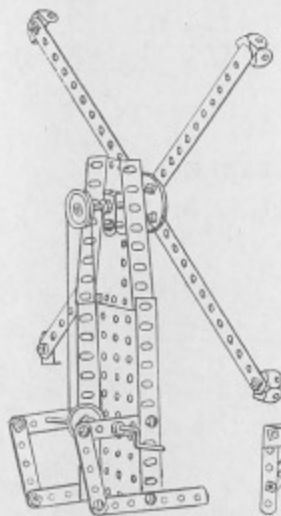
WELL DRILL

Fig. No. 130



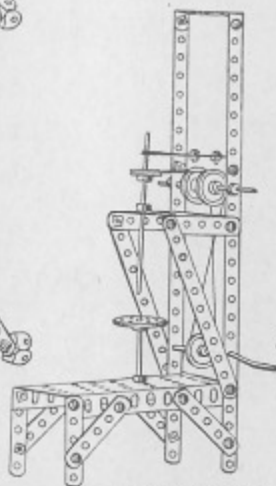
FERRIS WHEEL

Fig. No. 131



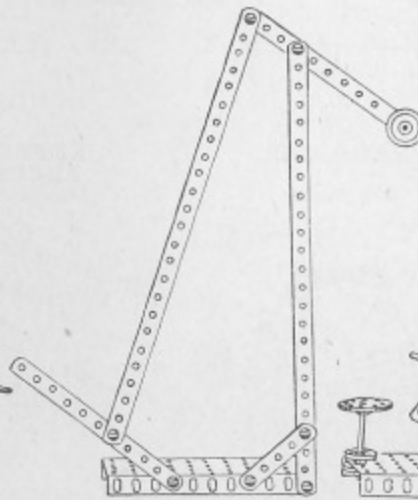
DRILL PRESS

Fig. No. 132



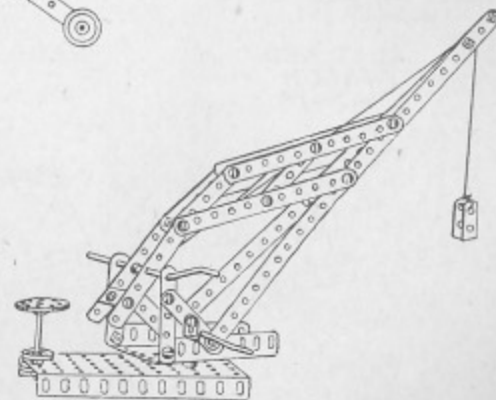
SEMAPHORE

Fig. No. 133



ELEVATING ROTARY CRANE

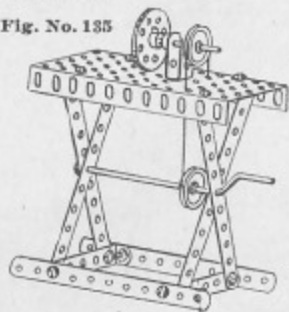
Fig. No. 134



All Models shown on this page can be made with The American Model Builder Outfit No. 1.
 HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

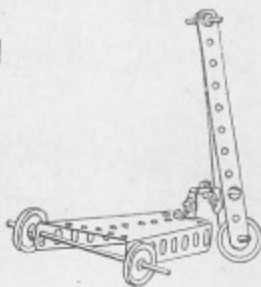
LATHE

Fig. No. 135



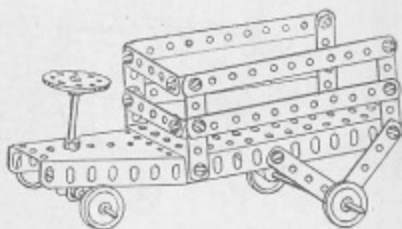
GO-CYCLE

Fig. No. 136



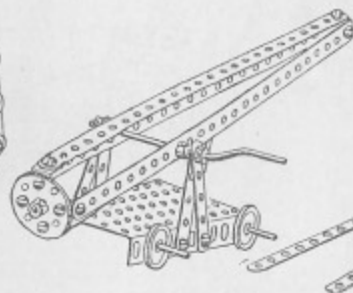
AUTO TRUCK

Fig. No. 137



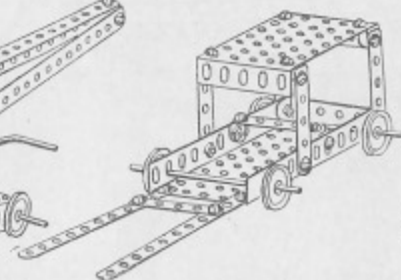
SIEGE GUN

Fig. No. 138



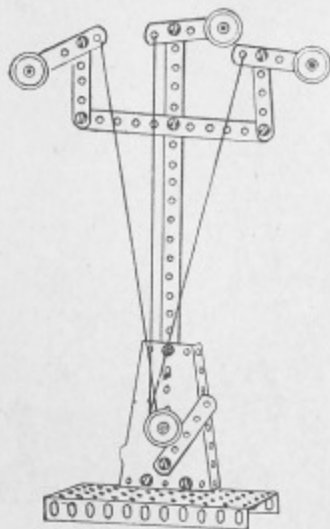
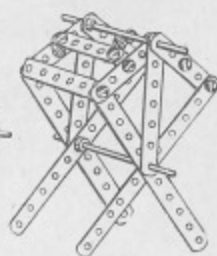
SINGLE HORSE
WAGON

Fig. No. 139

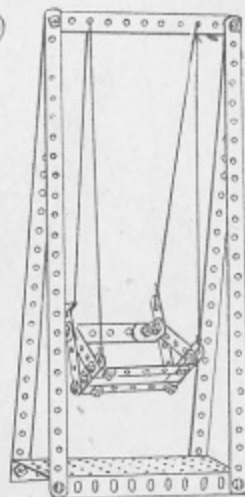


CLOTHES
HORSE

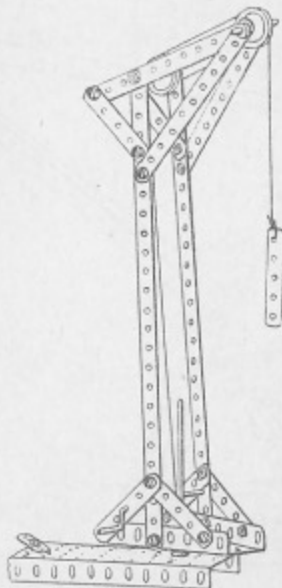
Fig. No. 140



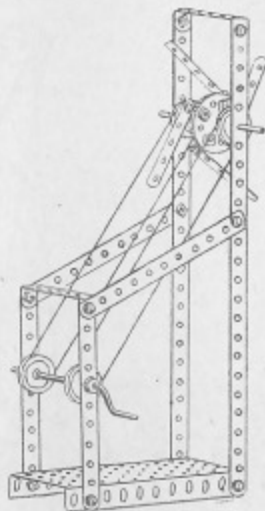
TRIPLE
R. R. SIGNAL
Fig. No. 141



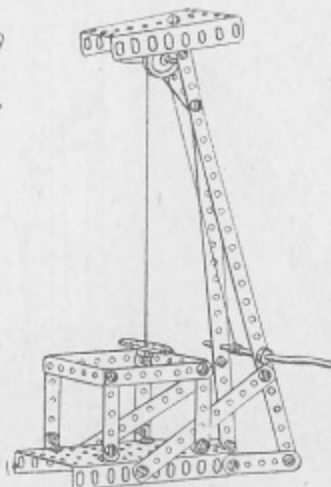
PORCH SWING
Fig. No. 142



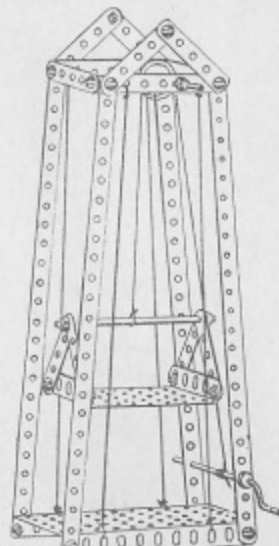
REVOLVING
HAY DERRICK
Fig. No. 143



REVOLVING
PADDLE WHEEL
Fig. No. 144



OLD-FASHIONED
DEEP WELL
Fig. No. 145

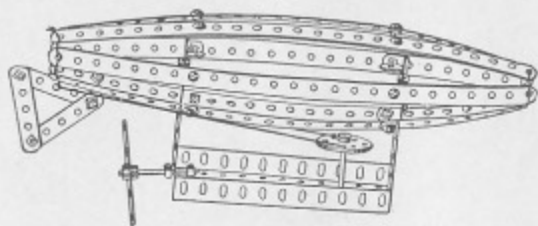


ELEVATOR
Fig. No. 146

All Models shown on this page can be made with The American Model Builder Outfit No. 1.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

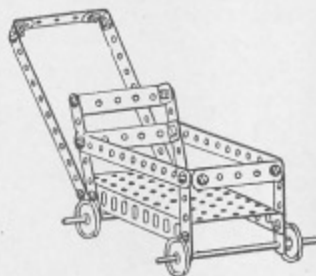
ZEPPELIN

Fig. No. 147



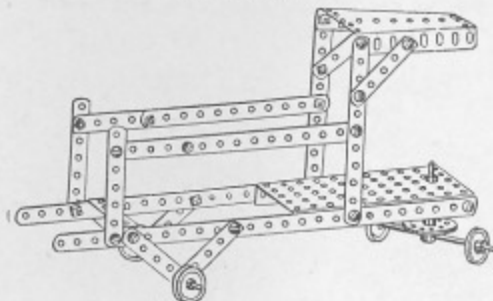
BABY CARRIAGE

Fig. No. 148



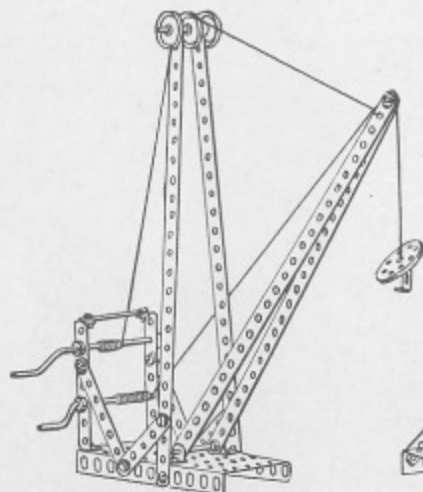
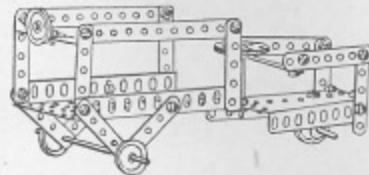
AUTO TRUCK

Fig. No. 149



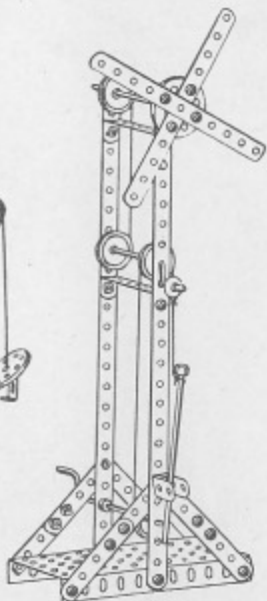
PARCEL DELIVERY TRUCK

Fig. No. 150



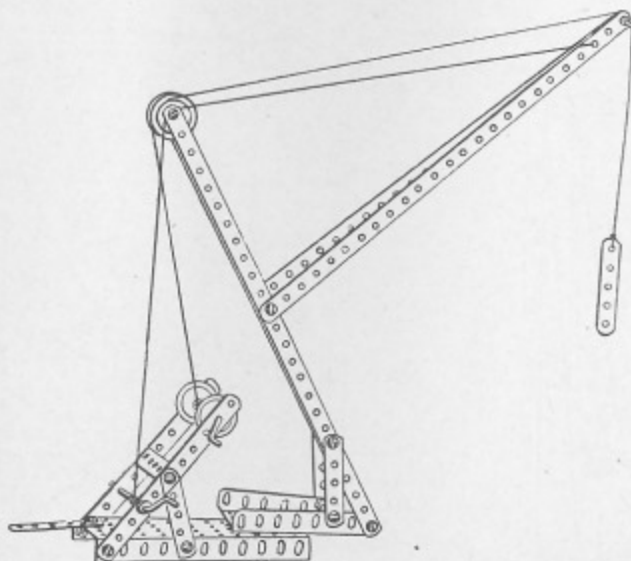
PLATFORM DERRICK

Fig. No. 151



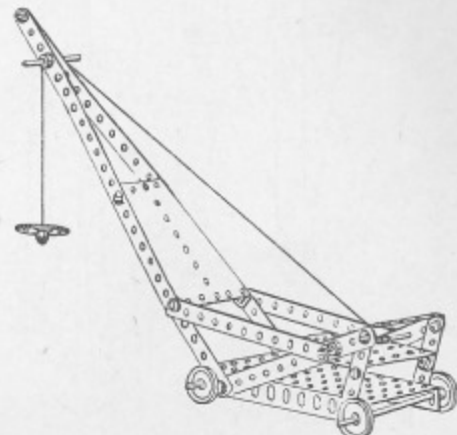
WIND PUMP

Fig. No. 152



BOOM DERRICK

Fig. No. 153



PORTABLE JIB CRANE

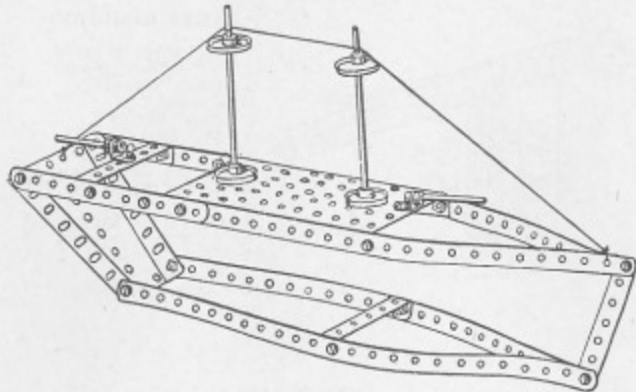
Fig. No. 154

All Models shown on this page can be made with The American Model Builder Outfit No. 1.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

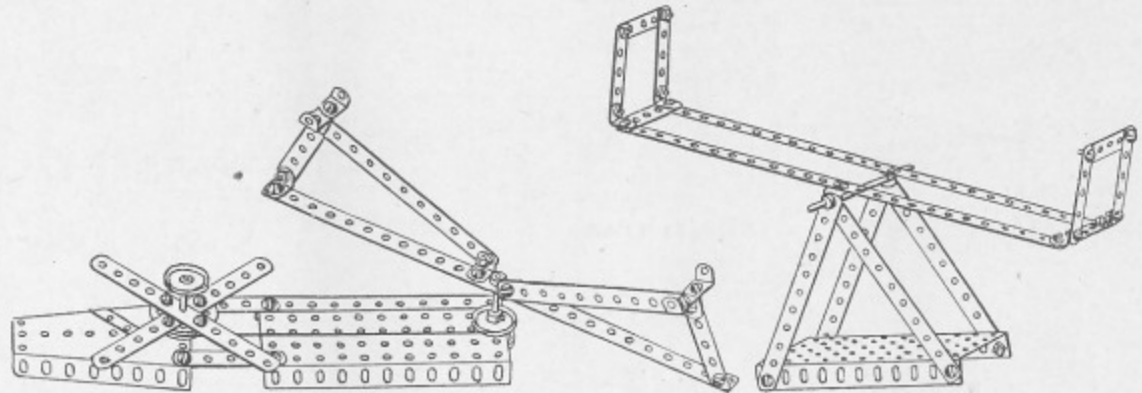
PROTECTED CRUISER

Fig. No. 155



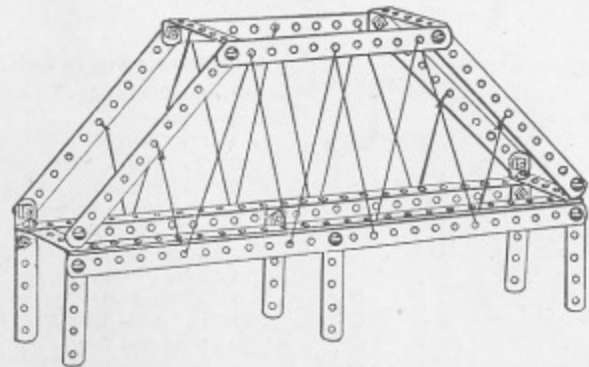
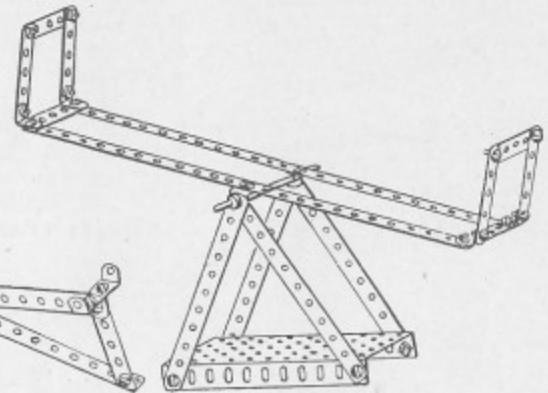
WHIRLI-GIG

Fig. No. 156



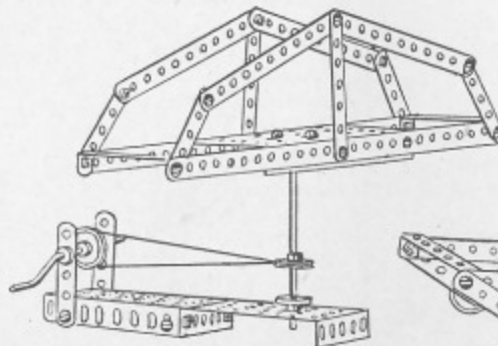
SWING

Fig. No. 157



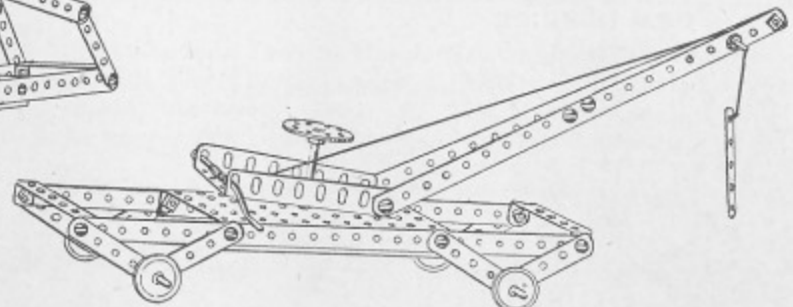
BRIDGE

Fig. No. 158



SWINGING BRIDGE

Fig. No. 159



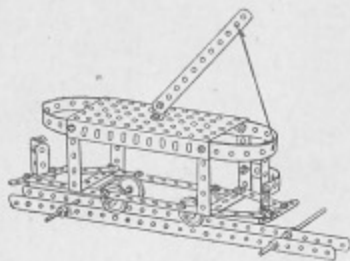
R. R. WRECKING CAR

Fig. No. 160

All Models shown on this page can be made with The American Model Builder Outfit No. 1.
 HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

TROLLEY CAR

Fig. No. 165



PARTS REQUIRED

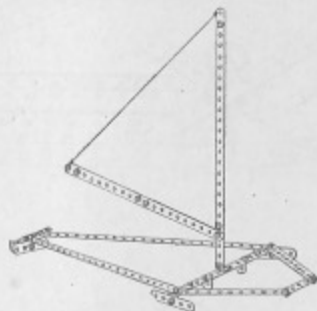
- 4—1" Pulley Wheels
- 1— $\frac{1}{2}$ " Pulley Wheel
- 5— $5\frac{1}{2}$ " Strips
- 1— $3\frac{1}{2}$ " Strip
- 9— $2\frac{1}{2}$ " Strips
- 4— $2\frac{1}{2}$ " Angle Strips
- 7—Angle Brackets
- 1—Single Bent Strip
- 1—Large Plate
- 2—2" Axle Rods
- 23—Nuts and Bolts

TRACK FOR CAR

- 6—Collars
- 2— $12\frac{1}{2}$ " Strips
- 2— $4\frac{1}{2}$ " Axle Rods

ICE BOAT

Fig. No. 168

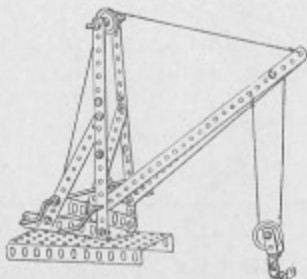


PARTS REQUIRED

- 3— $12\frac{1}{2}$ " Strips
- 5— $5\frac{1}{2}$ " Strips
- 5— $2\frac{1}{2}$ " Strips
- 2— $2\frac{1}{2}$ " Angle Strips
- 1—Angle Bracket
- 19—Nuts and Bolts

REVOLVING and ELEVATING
BOOM DERRICK

Fig. No. 167

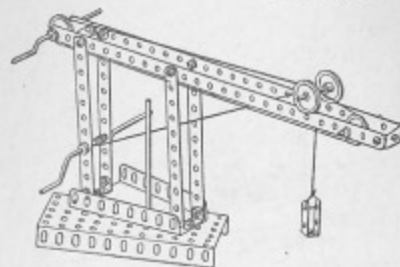


PARTS REQUIRED

- 4—1" Pulley Wheels
- 1— $\frac{1}{2}$ " Pulley Wheel
- 1—Bush Wheel
- 5—Collars
- 2— $12\frac{1}{2}$ " Strips
- 6— $5\frac{1}{2}$ " Strips
- 1—Single Bent Strip
- 3—Angle Brackets
- 1—Large Plate
- 1—Sector Plate
- 2—2" Axle Rods
- 1— $4\frac{1}{2}$ " Crank
- 1— $5\frac{1}{2}$ " Crank
- 18—Nuts and Bolts

REVOLVING TRAVELING
CRANE

Fig. No. 166

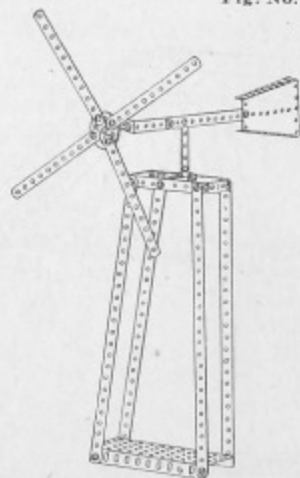


PARTS REQUIRED

- 4—1" Pulley Wheels
- 1— $\frac{1}{2}$ " Pulley Wheel
- 1—Bush Wheel
- 6—Collars
- 2— $12\frac{1}{2}$ " Strips
- 4— $5\frac{1}{2}$ " Strips
- 8—Angle Brackets
- 1—Single Bent Strip
- 1—Large Plate
- 1—Sector Plate
- 1— $4\frac{1}{2}$ " Axle Rod
- 2—2" Axle Rods
- 1— $4\frac{1}{2}$ " Crank
- 1— $5\frac{1}{2}$ " Crank
- 16—Nuts and Bolts

WIND MILL

Fig. No. 169



PARTS REQUIRED

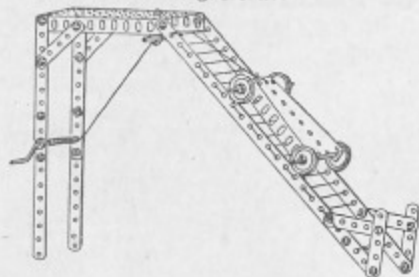
- 1—Bush Wheel
- 2—Collars
- 4— $12\frac{1}{2}$ " Strips
- 5— $5\frac{1}{2}$ " Strips
- 3— $2\frac{1}{2}$ " Strips
- 2— $3\frac{1}{2}$ " Angle Strips
- 2— $2\frac{1}{2}$ " Angle Strips
- 1—Angle Bracket
- 1—Large Plate
- 1—Sector Plate
- 1— $4\frac{1}{2}$ " Axle Rod
- 23—Nuts and Bolts

All Models shown on this page can be made with The American Model Builder Outfit No. 1.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

INCLINED RAILWAY

Fig. No. 170

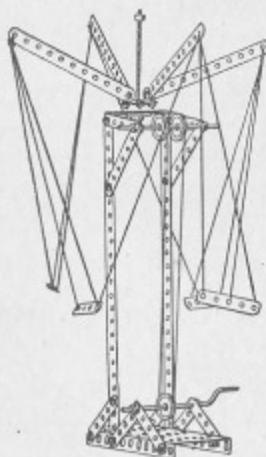


PARTS REQUIRED

- | | |
|---------------------|--------------------|
| 4-1" Pulley Wheels | 2-Angle Brackets |
| 1-1/2" Pulley | 1-Large Plate |
| 4-Collars | 1-Sector Plate |
| 2-12 1/2" Strips | 2-4 1/2" Axle Rods |
| 4-5 1/2" Strips | 1-2" Axle Rod |
| 7-2 1/2" Strips | 1-4 1/2" Crank |
| 1-Single Bent Strip | 23-Nuts and Bolts |

CIRCLE SWING

Fig. No. 171

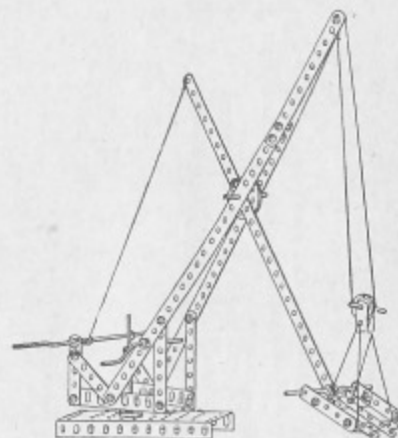


PARTS REQUIRED

- 4-1" Pulley Wheels
- 1-Bush Wheel
- 6-Collars
- 2-12 1/2" Strips
- 4-5 1/2" Strips
- 2-3 1/2" Strips
- 10-2 1/2" Strips
- 4-2 1/2" Angle Strips
- 4-Angle Brackets
- 1-Large Plate
- 2-4 1/2" Axle Rods
- 1-5 1/2" Crank
- 20-Nuts and Bolts

REVOLVING DREDGE

Fig. No. 172

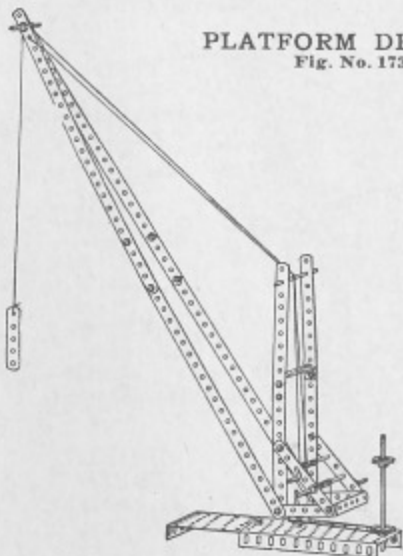


PARTS REQUIRED

- 4-1" Pulley Wheels
- 1-Bush Wheel
- 6-Collars
- 4-12 1/2" Strips
- 8-2 1/2" Strips
- 4-2 1/2" Angle Strips
- 2-3 1/2" Angle Strips
- 4-Angle Brackets
- 1-Large Plate
- 1-Small Plate
- 1-4 1/2" Axle Rod
- 2-2" Axle Rods
- 1-4 1/2" Crank
- 24-Nuts and Bolts

PLATFORM DERRICK

Fig. No. 173



PARTS REQUIRED

- 3-1" Pulley Wheels
- 1-1/2" Pulley Wheel
- 1-Bush Wheel
- 6-Collars
- 4-12 1/2" Strips
- 2-3 1/2" Strips
- 3-2 1/2" Strips
- 2-3 1/2" Angle Strips
- 3-Angle Brackets
- 1-Large Plate
- 2-2" Axle Rods
- 1-4 1/2" Crank
- 1-5 1/2" Crank
- 15-Nuts and Bolts

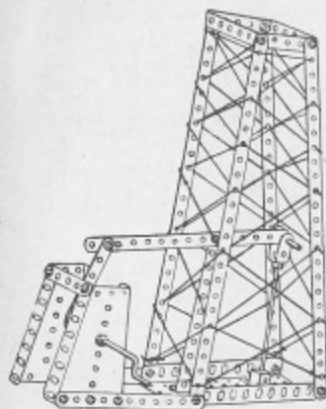


The Platform Derrick completes the models that may be made with The American Model Builder Outfit No. 1. By purchasing Accessory Outfit No. 1 1/2, 59 additional models can be made, some of which are shown on the following page.

For price of separate parts and Accessory Outfits, see pages 23 and 24.

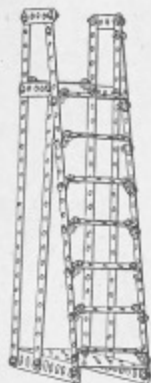
DEEP WELL PUMP

Fig. No. 174



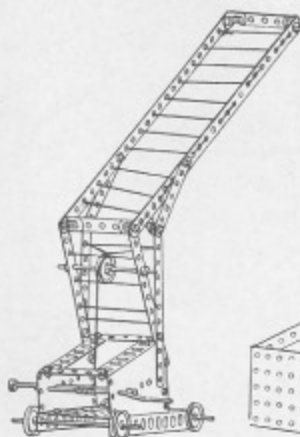
PLATFORM LADDER

Fig. No. 175



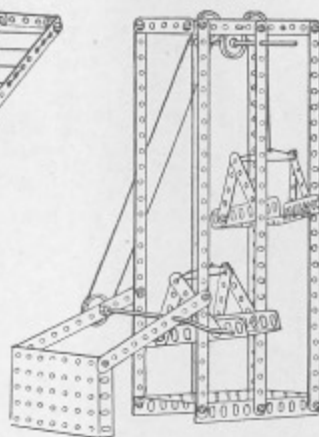
COLLAPSIBLE FIRE LADDER

Fig. No. 176



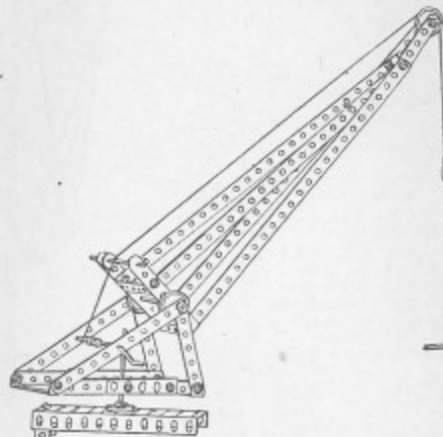
DOUBLE HOIST ELEVATOR

Fig. No. 177



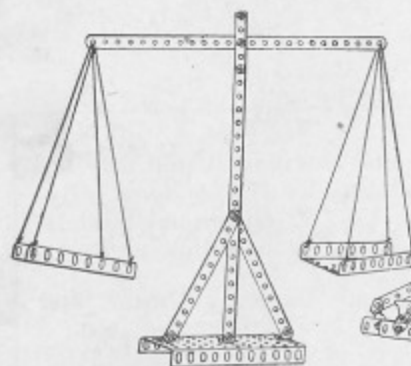
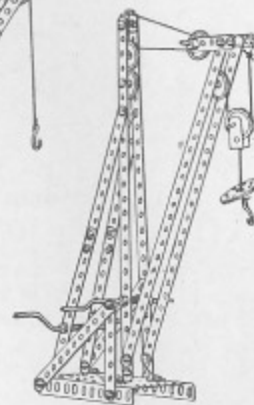
HOISTING SWIVEL DERRICK

Fig. No. 178



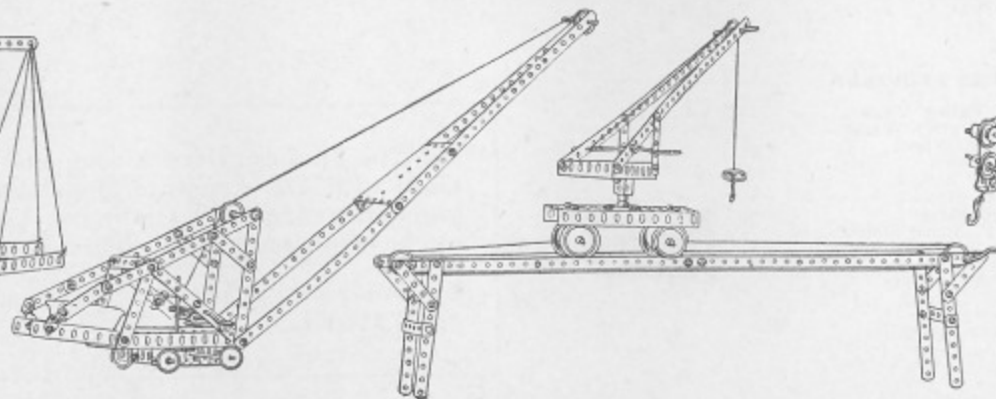
BOOM DERRICK

Fig. No. 179



SCALES

Fig. No. 180

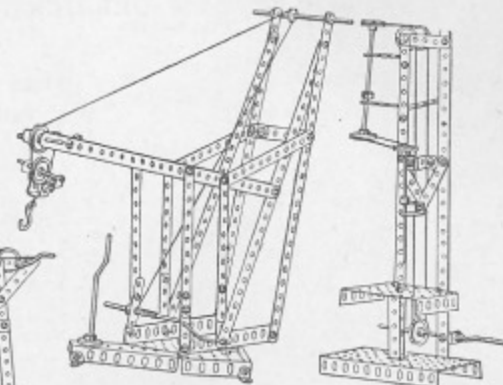


PORTABLE CRANE

Fig. No. 181

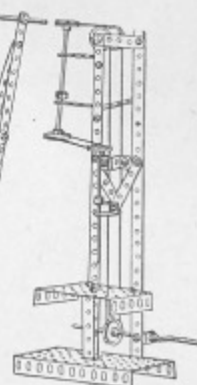
OVERHEAD TRAVELING AND REVOLVING CRANE

Fig. No. 182



REVOLVING DERRICK

Fig. No. 183



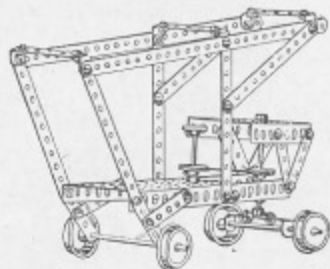
DRILL PRESS

Fig. No. 184

All Models shown on this page can be made with The American Model Builder Outfit No. 2, or with No. 1 and No. 1½ Combined.
 HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

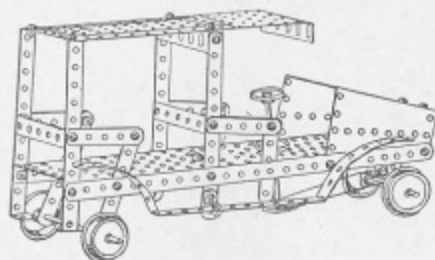
AUTO-TRUCK

Fig. No. 185



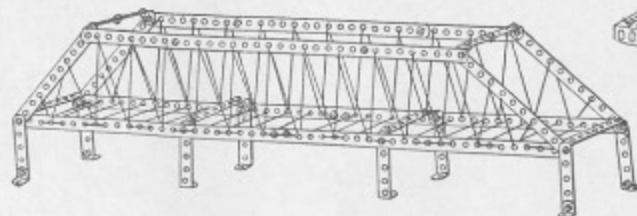
TOURING CAR

Fig. No. 186



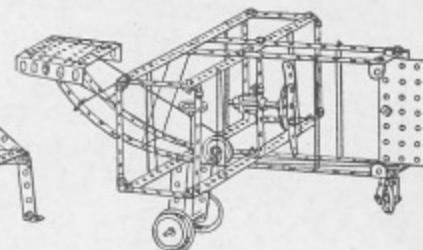
BRIDGE

Fig. No. 187



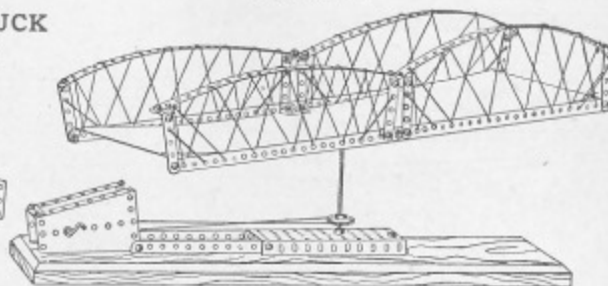
BIPLANE

Fig. No. 188



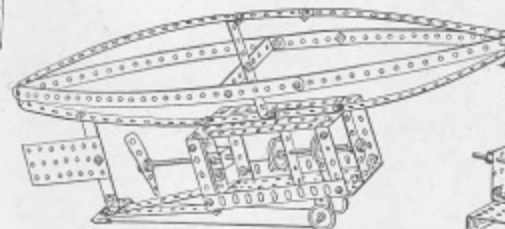
SWINGING BRIDGE

Fig. No. 190



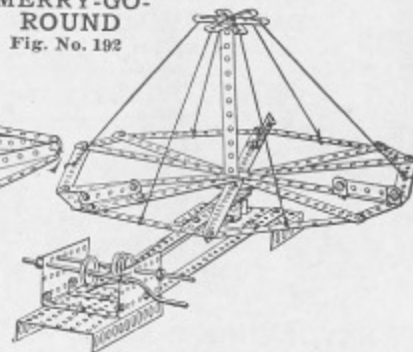
ZEPPELIN

Fig. No. 191



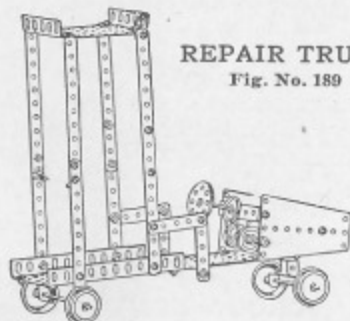
MERRY-GO-ROUND

Fig. No. 192



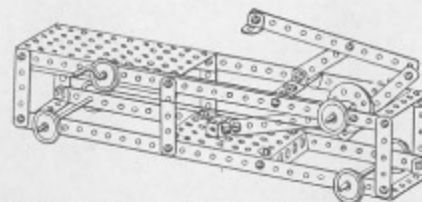
REPAIR TRUCK

Fig. No. 189



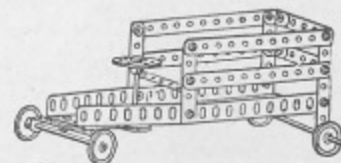
HAY BALER

Fig. No. 194



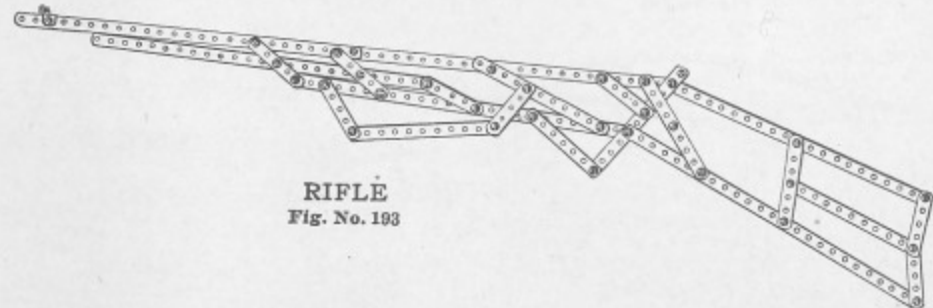
MOTOR TRUCK

Fig. No. 195



RIFLE

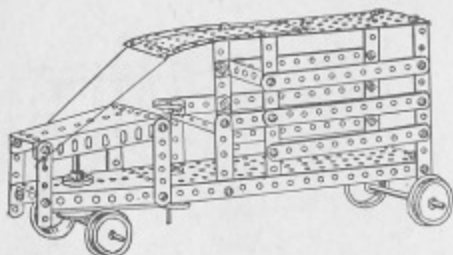
Fig. No. 193



All Models shown on this page can be made with The American Model Builder Outfit No. 2, or with No. 1 and No. 1½ Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

FORD DELIVERY

Fig. No. 196



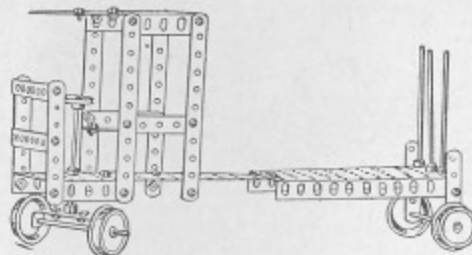
SCROLL SAW

Fig. No. 197



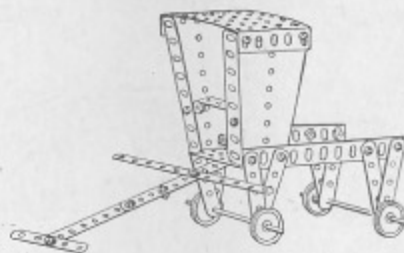
AUTO TRUCK

Fig. No. 198



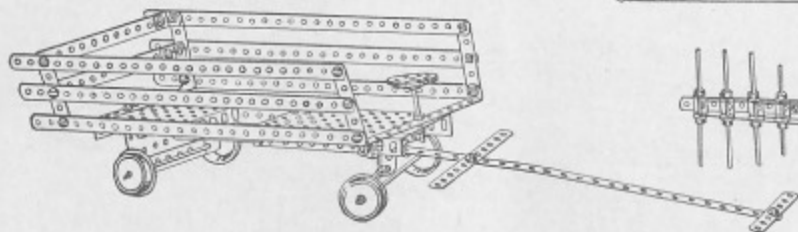
TWO-HORSE DRAY

Fig. No. 199



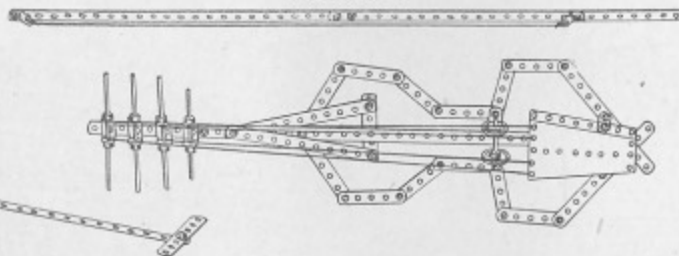
BARREL WAGON

Fig. No. 200



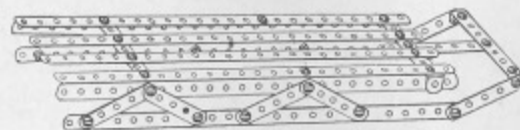
VIOLIN AND BOW

Fig. No. 201



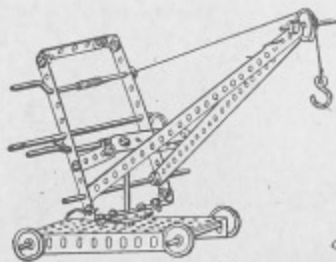
FLEXIBLE FLYER SLED

Fig. No. 202



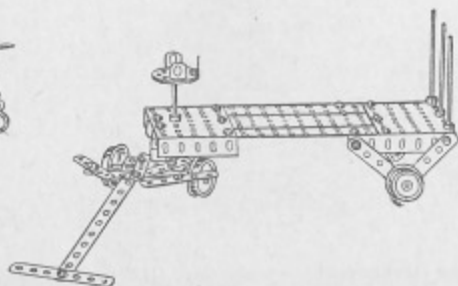
REVOLVING CRANE

Fig. No. 203



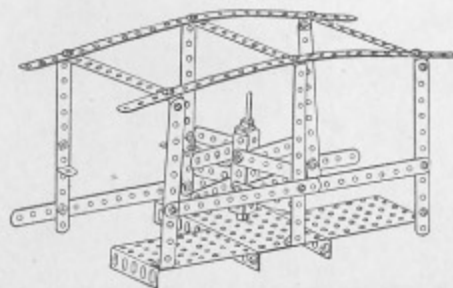
TWO-HORSE TRUCK

Fig. No. 204



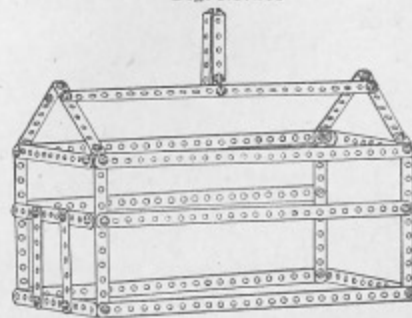
TURNSTILE

Fig. No. 205



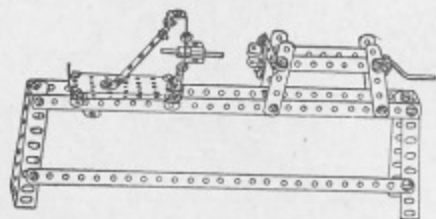
SCHOOL HOUSE

Fig. No. 206

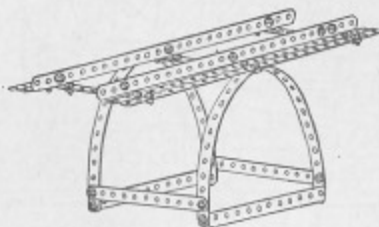


All Models shown on this page can be made with The American Model Builder Outfit No. 2, or with No. 1 and No. 1½ Combined.
 HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

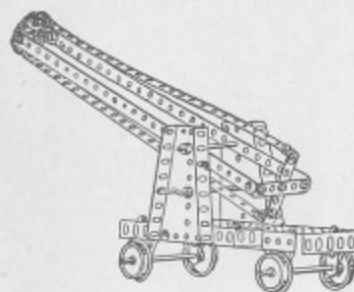
LATHE
Fig. No. 207



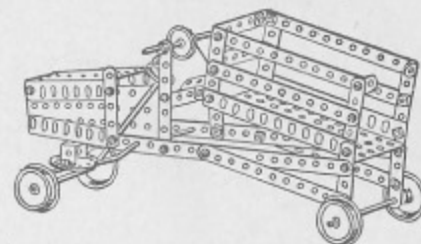
CULVERT
Fig. No. 208



SIEGE GUN
Fig. No. 209



AUTO DUMP TRUCK
Fig. No. 210



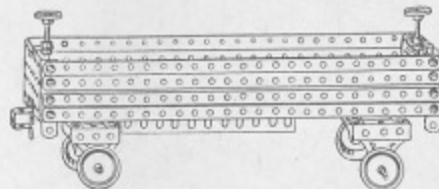
LOCOMOTIVE TENDER
Fig. No. 211



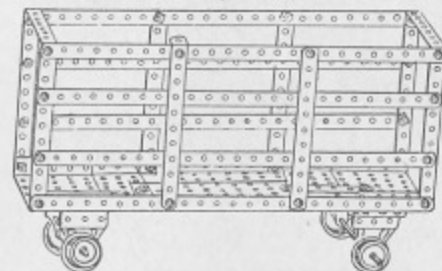
FLAT CAR
Fig. No. 212



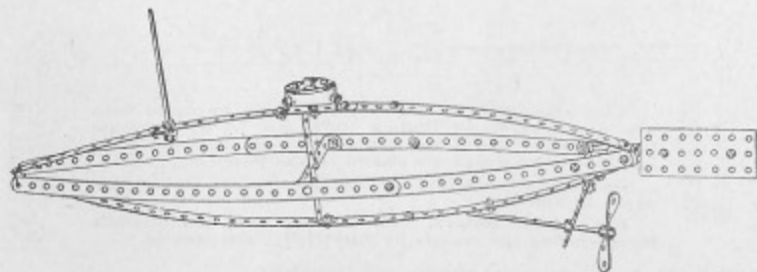
COAL CAR
Fig. No. 213



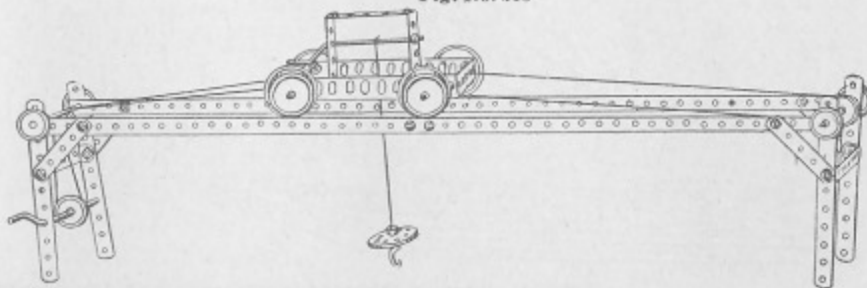
CATTLE CAR
Fig. No. 214



SUBMARINE
Fig. No. 215



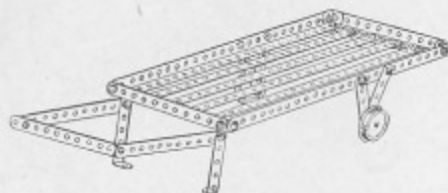
OVERHEAD TRAVELING CRANE
Fig. No. 216



All Models shown on this page can be made with The American Model Builder Outfit No. 2, or with No. 1 and No. 1½ Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

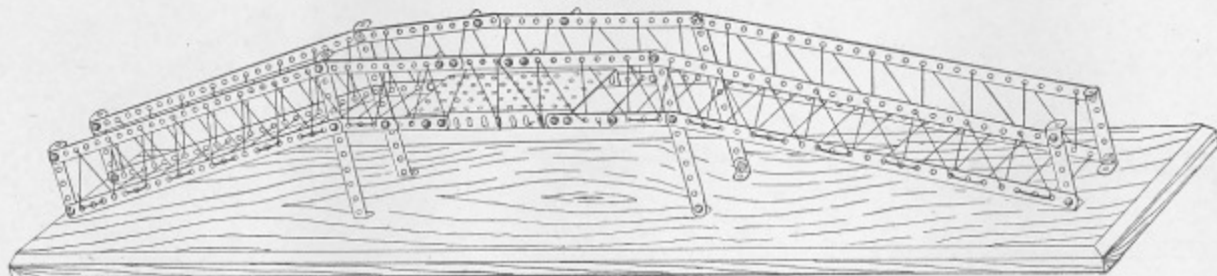
PUSH CART

Fig. No. 217



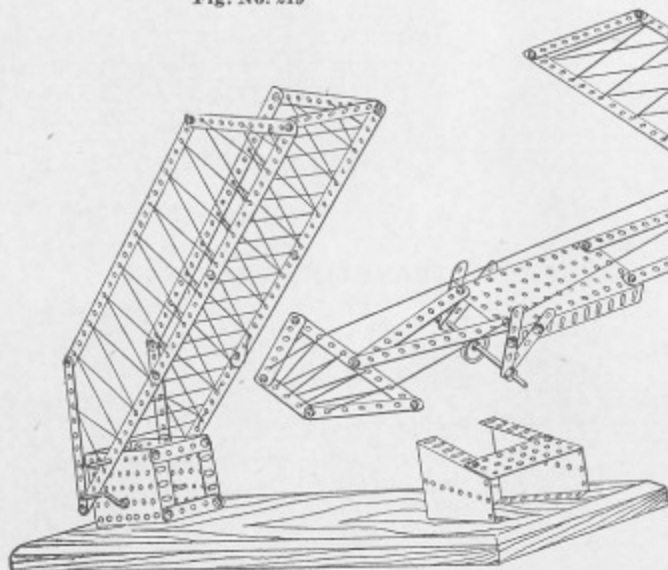
OVERHEAD CROSSING BRIDGE

Fig. No. 218



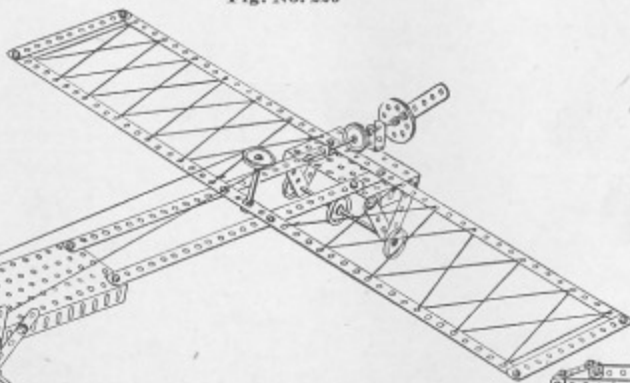
JACK-KNIFE BRIDGE

Fig. No. 219



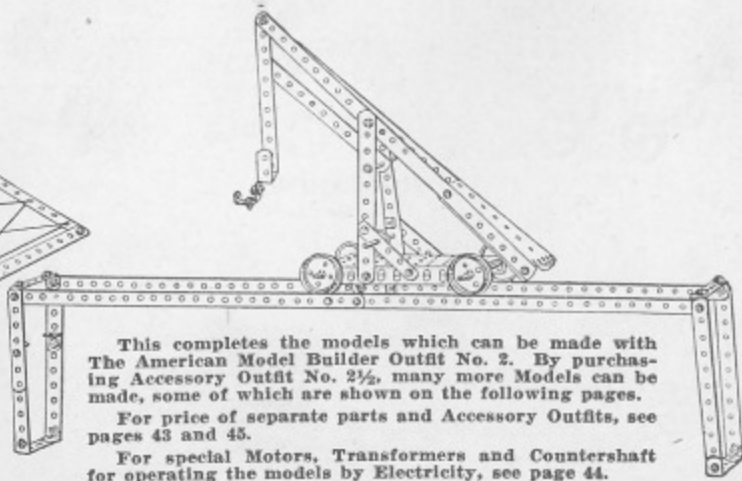
MONOPLANE

Fig. No. 220



HULETT ORE-UNLOADER

Fig. No. 221



This completes the models which can be made with The American Model Builder Outfit No. 2. By purchasing Accessory Outfit No. 2½, many more Models can be made, some of which are shown on the following pages.

For price of separate parts and Accessory Outfits, see pages 43 and 45.

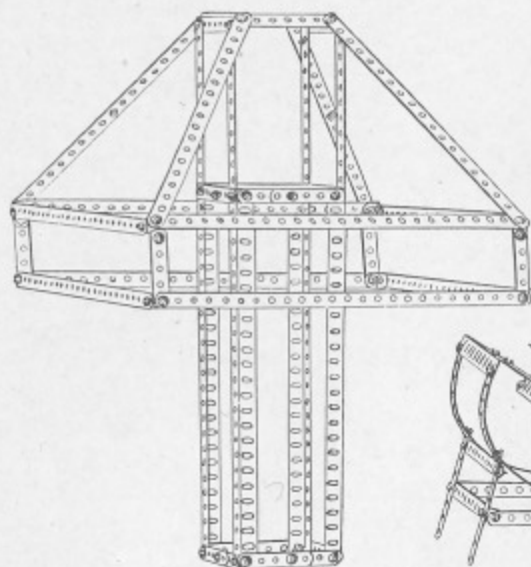
For special Motors, Transformers and Countershaft for operating the models by Electricity, see page 44.

All Models shown on this page can be made with The American Model Builder Outfit No. 2, or with No. 1 and No. 1½ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

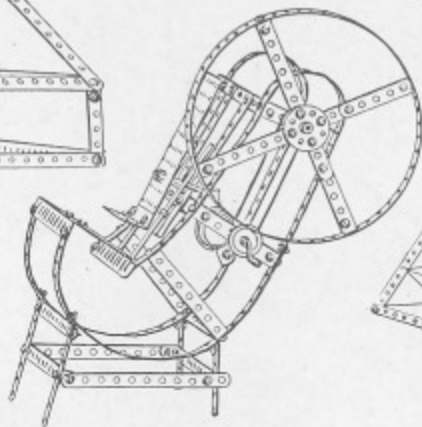
LAMP

Fig. No. 239



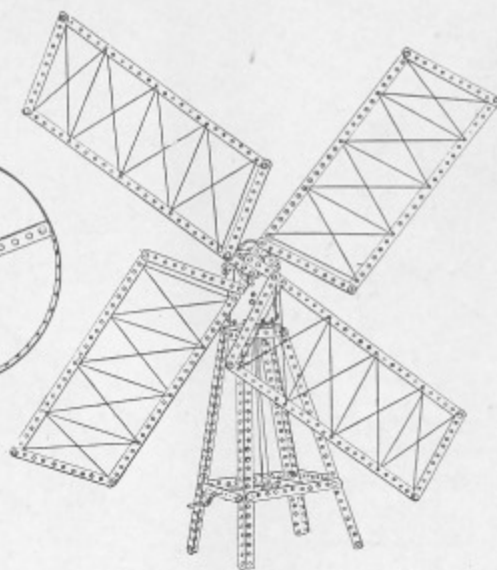
PUNCH PRESS

Fig. No. 240



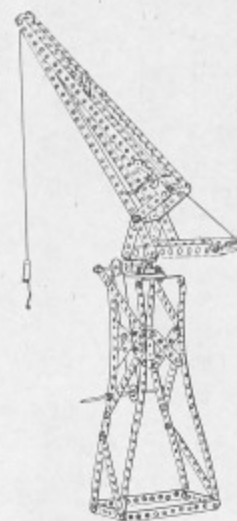
WIND MILL

Fig. No. 241



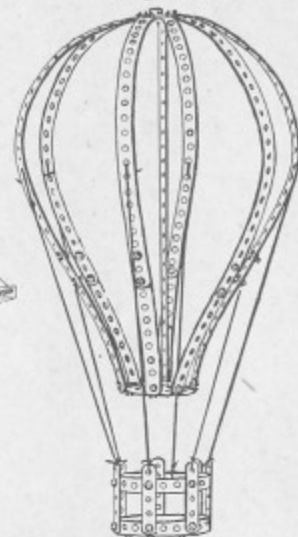
PANAMA DERRICK

Fig. No. 242



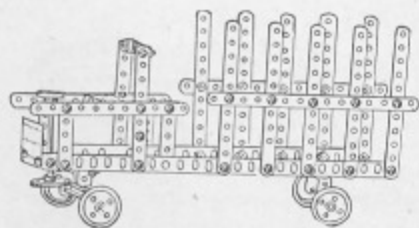
BALLOON

Fig. No. 243



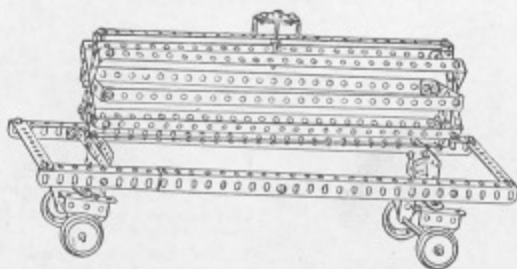
AUTO TRUCK

Fig. No. 244



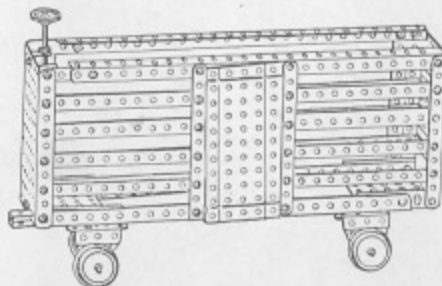
TANK CAR

Fig. No. 245



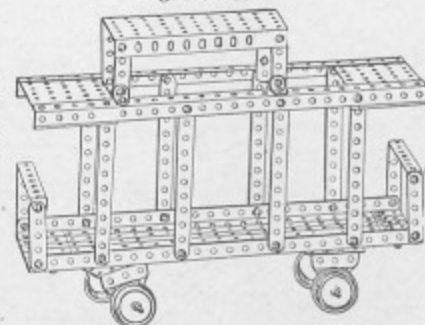
BOX CAR

Fig. No. 246



CABOOSE

Fig. No. 247

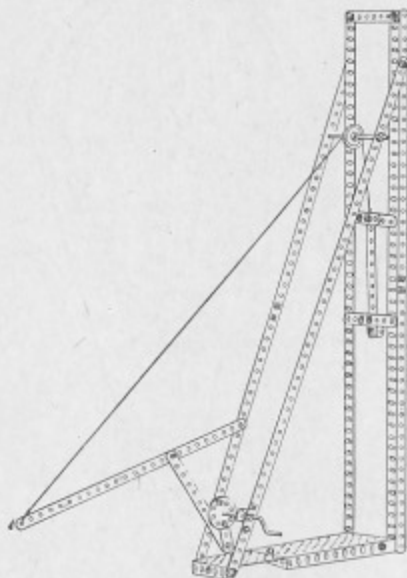


All Models shown on this page can be made with The American Model Builder Outfit No. 3, or with No. 2 and No. 2½ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

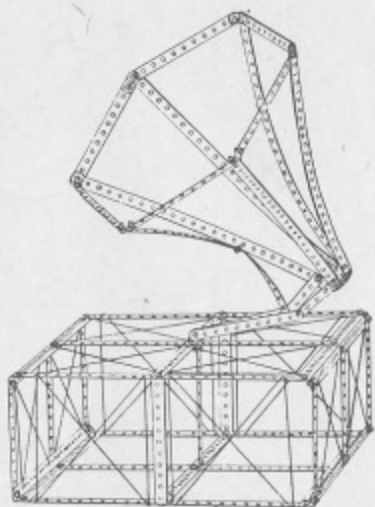
PILE DRIVER

Fig. No. 248



GRAPHOPHONE

Fig. No. 249



BASCULE BRIDGE

Fig. No. 250

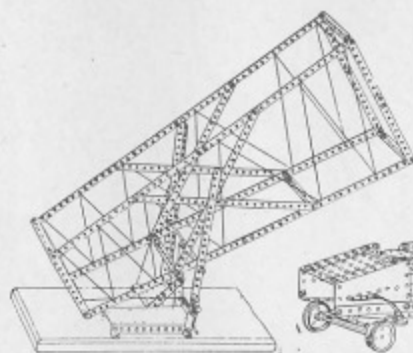
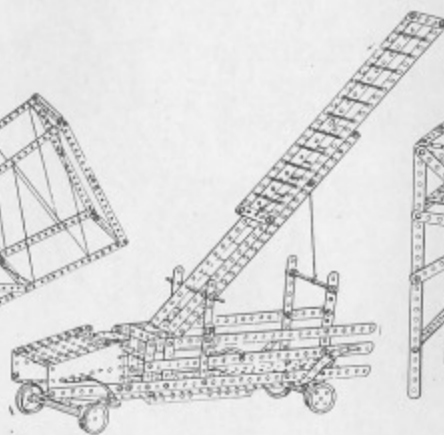
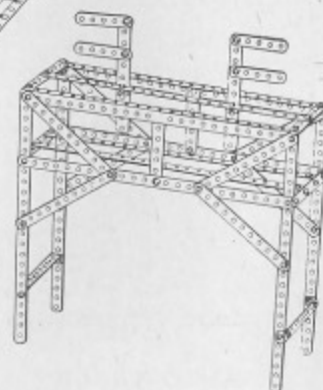
EXTENSION AUTO
FIRE LADDER

Fig. No. 251



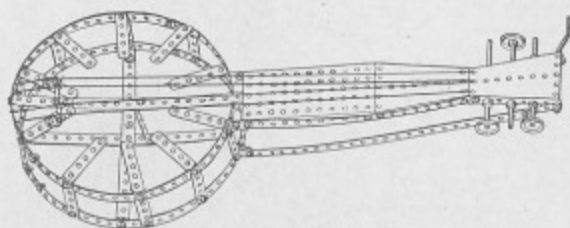
SEMAPHORE

Fig. No. 252



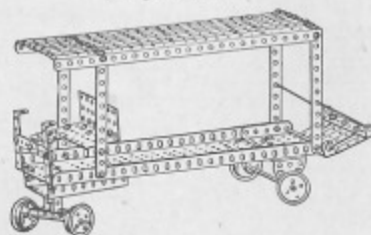
BANJO

Fig. No. 253



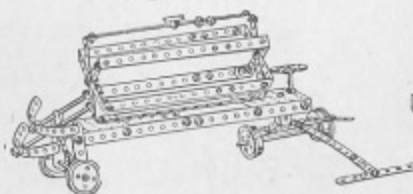
AUTO FURNITURE VAN

Fig. No. 254



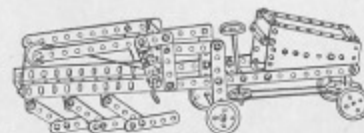
SPRINKLING CART

Fig. No. 255



MOTOR PLOW

Fig. No. 256

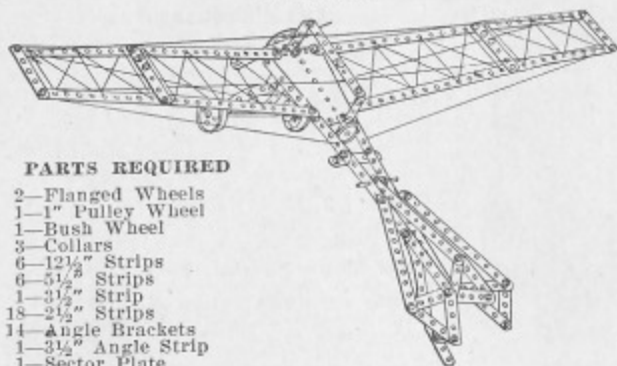


All Models shown on this page can be made with The American Model Builder Outfit No. 3, or with No. 2 and No. 2½ Combined.

HALF THE FUN IS BUILDING THE MODEL—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

ANTOINETTE MONOPLANE

Fig. No. 264

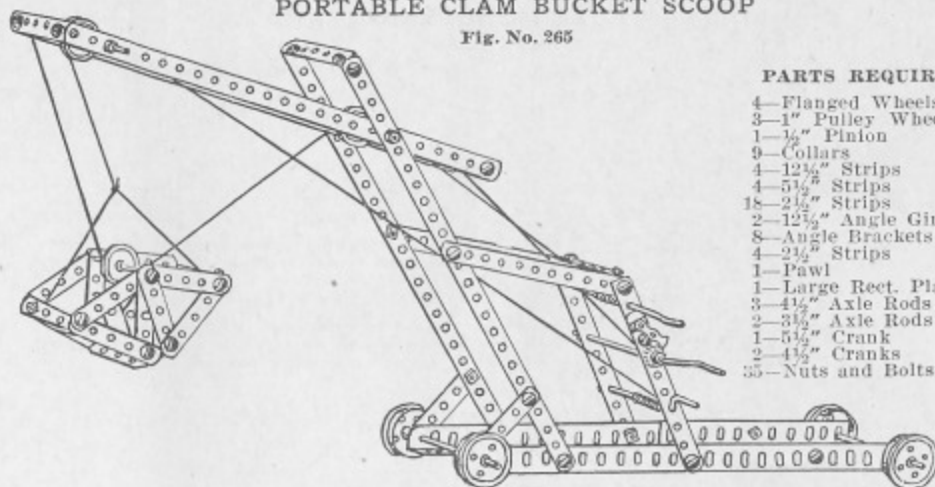


PARTS REQUIRED

- 2—Flanged Wheels
- 1—1" Pulley Wheel
- 1—Bush Wheel
- 3—Collars
- 6—12 1/2" Strips
- 6—5 1/2" Strips
- 1—3 1/2" Strip
- 18—2 1/2" Strips
- 14—Angle Brackets
- 1—3 1/2" Angle Strip
- 1—Sector Plate
- 1—5" Axle Rod
- 1—4 1/2" Axle Rod
- 1—2" Axle Rod
- 53—Nuts and Bolts

PORTABLE CLAM BUCKET SCOOP

Fig. No. 265

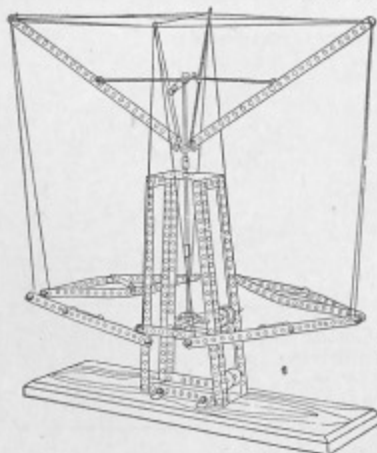


PARTS REQUIRED

- 4—Flanged Wheels
- 3—1" Pulley Wheels
- 1—1/2" Pinion
- 9—Collars
- 4—12 1/2" Strips
- 4—5 1/2" Strips
- 18—2 1/2" Strips
- 2—12 1/2" Angle Girders
- 8—Angle Brackets
- 4—2 1/2" Strips
- 1—Pawl
- 1—Large Rect. Plate
- 3—4 1/2" Axle Rods
- 2—3 1/2" Axle Rods
- 1—5 1/2" Crank
- 2—4 1/2" Cranks
- 35—Nuts and Bolts

CIRCLE SWING

Fig. No. 266

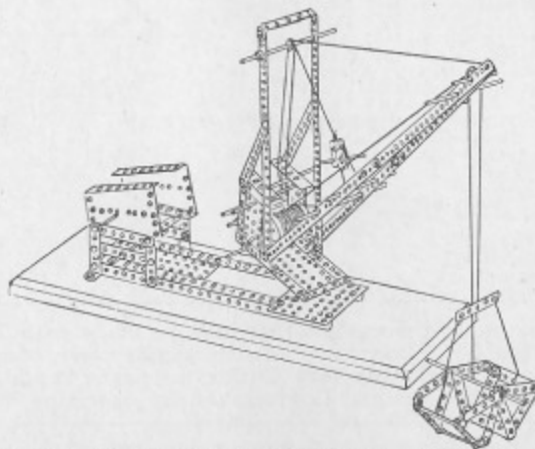


PARTS REQUIRED

- 1—Large Plate
- 1—Small Plate
- 4—12 1/2" Angle Girders
- 12—12 1/2" Strips
- 6—5 1/2" Strips
- 1—2 1/2" Strip
- 1—5 1/2" Crank
- 3—5" Rods
- 1—3 1/2" Rod
- 5—1" Pulley Wheels
- 2—Shaft Connectors
- 8—Collars
- 1—Bush Wheel
- 22—Angle Brackets
- 52—Nuts and Bolts
- 4—2 1/2" Angle Strips

REVOLVING CLAM BUCKET SCOOP

Fig. No. 267



PARTS REQUIRED

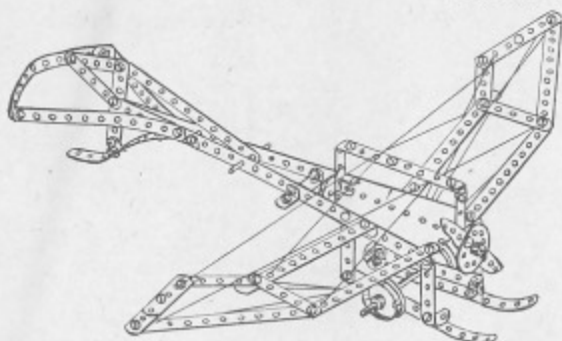
- 4—Car Wheels
- 4—Truck Frames
- 4—"T" Strips
- 2—Bolster Plates
- 4—1" Pulley Wheels
- 1—Bush Wheel
- 9—Collars
- 6—12 1/2" Strips
- 6—5 1/2" Strips
- 9—2 1/2" Strips
- 4—2 1/2" Angle Strips
- 2—12 1/2" Angle Girders
- 7—Angle Brackets
- 1—Double Bent Strip
- 1—Single Bent Strip
- 2—Small Rect. Plates
- 2—Sector Plates
- 2—3 1/2" Flat Plates
- 1—5 1/2" Flat Plate
- 3—4 1/2" Axle Rods
- 1—3 1/2" Axle Rod
- 3—2" Axle Rods
- 1—5 1/2" Crank
- 1—4 1/2" Crank
- 2—Washers
- 60—Nuts
- 58—Bolts

All Models shown on this page can be made with The American Model Builder Outfit No. 3, or with No. 2 and No. 2 1/2 Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

TAUBE MONOPLANE

Fig. No. 268



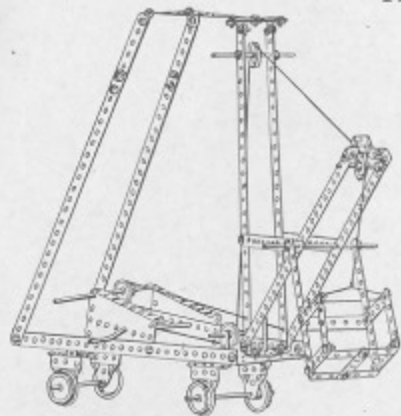
PARTS REQUIRED

2—Flanged Wheels	13—Angle Brackets
1—1" Pulley	1—2 3/8" Angle Strip
1—Bush Wheel	2—3 1/2" Angle Strips
3—Collars	1—Sector Plate
2—12 1/2" Strips	1—5" Axle Rod
13—5 1/2" Strips	1—4 1/4" Axle Rod
1—3 1/2" Strip	1—2" Axle Rod
20—2 1/2" Strips	55—Nuts and Bolts

The Taube Monoplane is a very interesting model to build. It is an exact duplicate of the machines being used exclusively in the German army. The cords will take the place of the wires used in the original machine, and cardboard can be fastened to the wings to make them more realistic.

R. R. STEAM SHOVEL

Fig. No. 270

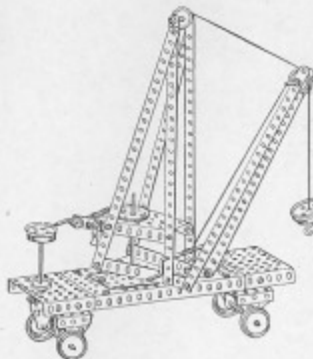


PARTS REQUIRED

4—Car Wheels	1—Double Bent Strip
4—Truck Frames	1—Single Bent Strip
4—"T" Strips	2—Small Rect. Plates
2—Bolster Plates	2—Sector Plates
4—1" Pulleys	2—3 1/4" Flat Plates
1—Bush Wheel	1—5 1/2" Flat Plate
9—Collars	3—4 1/2" Axle Rods
6—12 1/2" Strips	1—3 1/2" Axle Rod
6—5 1/2" Strips	3—2" Axle Rods
9—2 1/2" Strips	1—5 1/2" Crank
2—12 1/2" Angle Girders	1—4 1/2" Crank
4—2 1/2" Angle Strips	2—Washers
7—Angle Brackets	6—Nuts
	58—Bolts

R. R. WRECKING DERRICK

Fig. No. 269



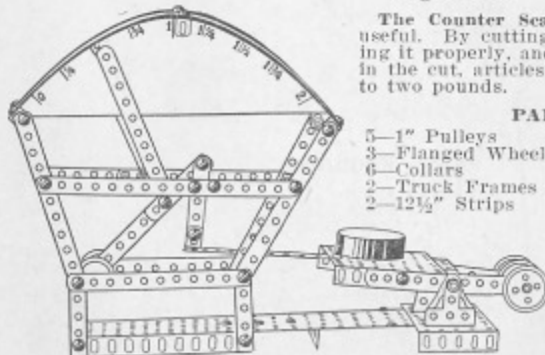
PARTS REQUIRED

2—Flanged Wheels	1—Pawl
4—Car Wheels	1—Hook
4—Truck Frames	2—Small Rect. Plates
4—"T" Strips	2—Sector Plates
2—Bolster Plates	2—3 1/4" Flat Plates
5—1" Pulleys	1—5 1/2" Flat Plate
1—Bush Wheel	3—4 1/2" Axle Rods
1—1/2" Pinion	1—3 1/2" Axle Rod
7—Collars	2—2" Axle Rods
6—12 1/2" Strips	1—5 1/2" Crank
4—2 1/2" Strips	1—4 1/2" Crank
2—12 1/2" Angle Girders	2—Washers
2—3 1/2" Angle Strips	59—Nuts and Bolts

The Railroad Steam Shovel is similar to those in daily use by the railroads in loading cars with ballast at the gravel pits, to be used in the building and maintenance of their lines. The wheels on this model can be adjusted, so as to be used in connection with an Electric Train.

COUNTER SCALES

Fig. No. 271



The Counter Scales are not only ornamental, but useful. By cutting a piece of cardboard, and marking it properly, and fastening it in position as shown in the cut, articles can be weighed with accuracy up to two pounds.

PARTS REQUIRED

5—1" Pulleys	13—5 1/2" Strips
3—Flanged Wheels	3—3 1/2" Strips
6—Collars	8—2 1/2" Strips
2—Truck Frames	2—3 1/2" Flat Plates
2—12 1/2" Strips	1—5 1/2" Flat Plate
	2—Small Rect. Plates
	1—Large Rect. Plate
	1—Sector Plate
	2—2" Axle Rods
	2—3 1/2" Axle Rods
	2—Angle Brackets
	45—Nuts and Bolts
	2—2 1/2" Angle Strips

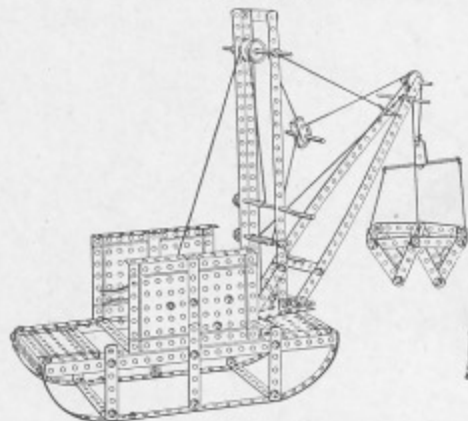


The Counter Scale completes the models that may be made with The American Model Builder Outfit No. 3. By purchasing Accessory Outfit No. 3 1/2, many more Models can be made, some of which are shown on the following pages. For price of separate parts and Accessory Outfits, see pages 43 and 45. For special Motors, Transformers and Countershaft for operating Models by Electricity, see page 44.

All Models shown on this page can be made with The American Model Builder Outfit No. 3, or with No. 2 and No. 2 1/2 Combined.
 HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

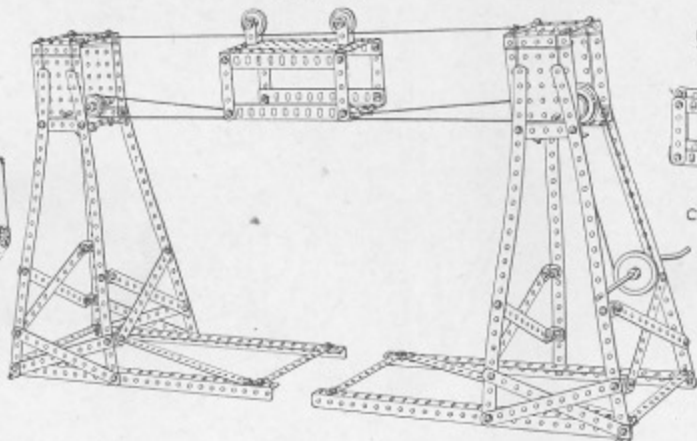
BARGE DREDGE

Fig. No. 272



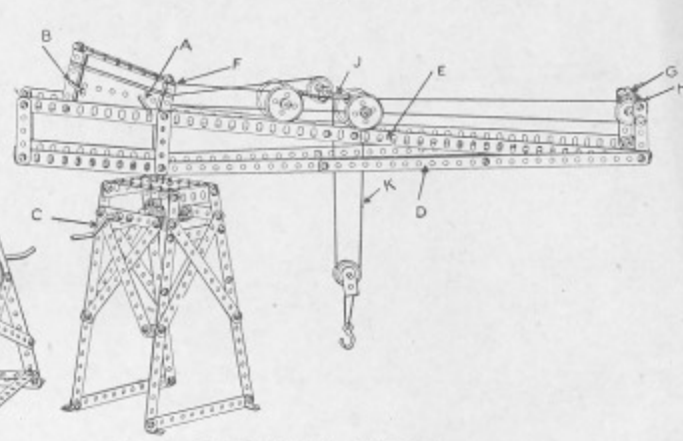
CONVEYOR

Fig. No. 273



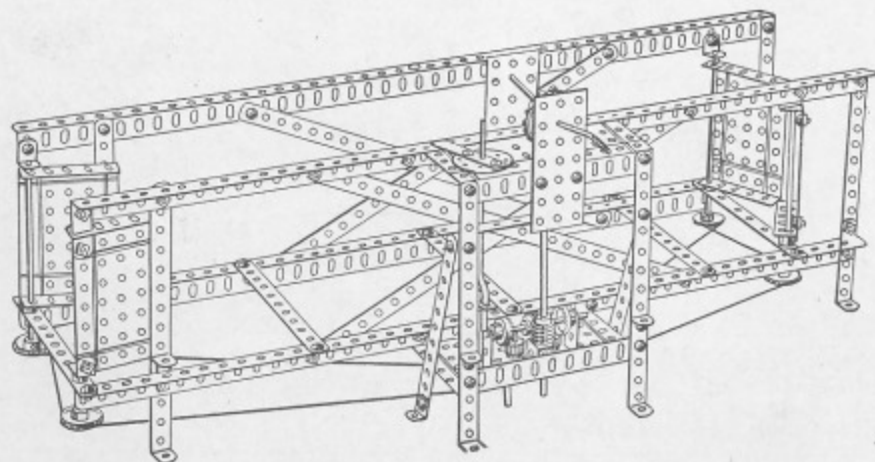
TITAN CRANE

Fig. No. 274



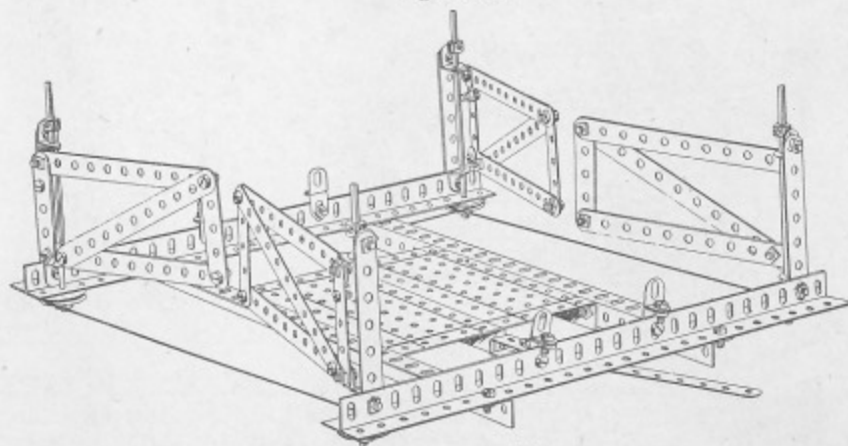
PANAMA CANAL LOCK

Fig. No. 275



R. R. CROSSING GATES

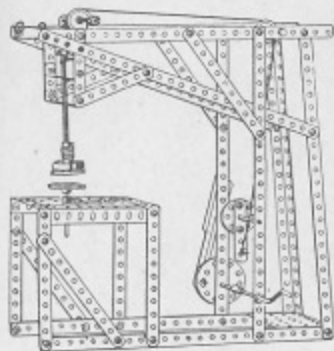
Fig. No. 276



All Models shown on this page can be made with The American Model Builder Outfit No. 4, or with No. 3 and No. 3½ Combined.
 HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

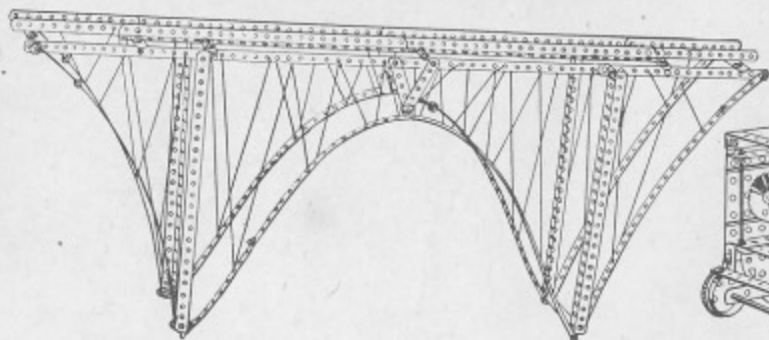
TRIP HAMMER

Fig. No. 277



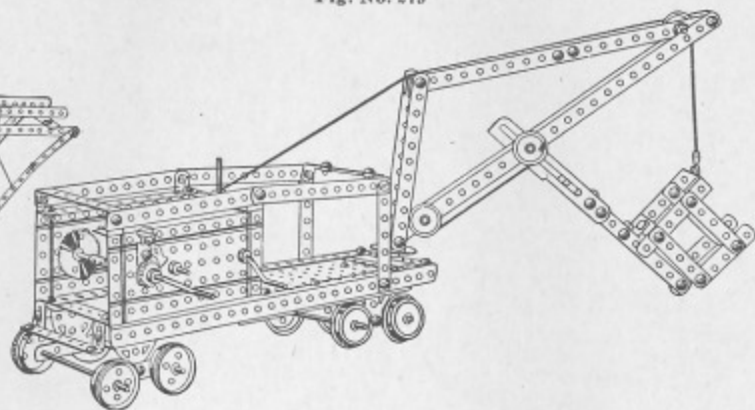
RAILROAD TRESTLE

Fig. No. 278



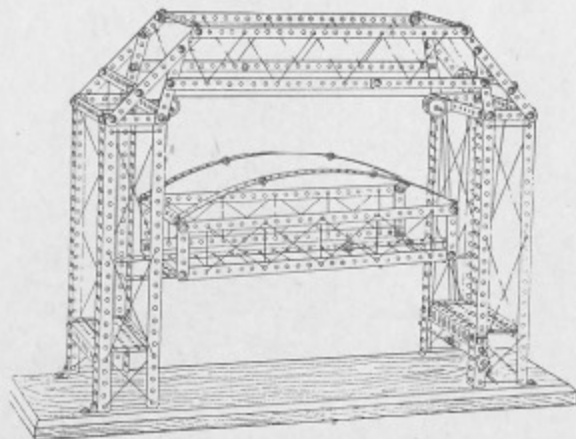
STEAM SHOVEL

Fig. No. 279



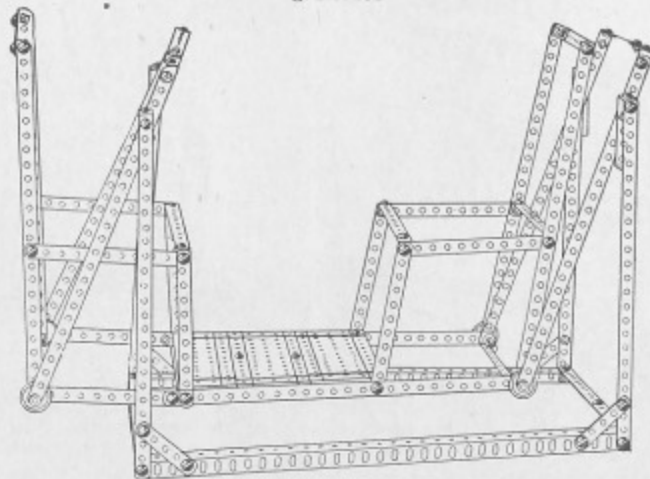
LIFT BRIDGE

Fig. No. 280



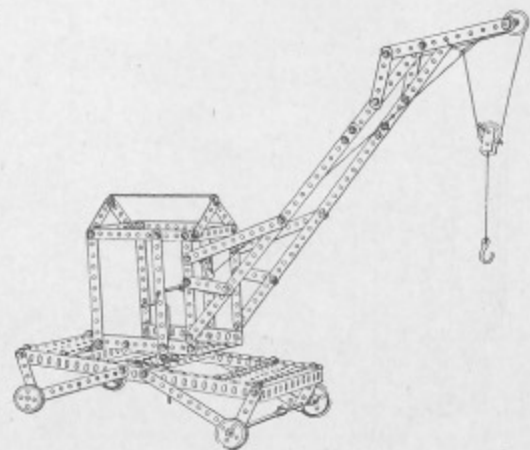
PORCH SWING

Fig. No. 281

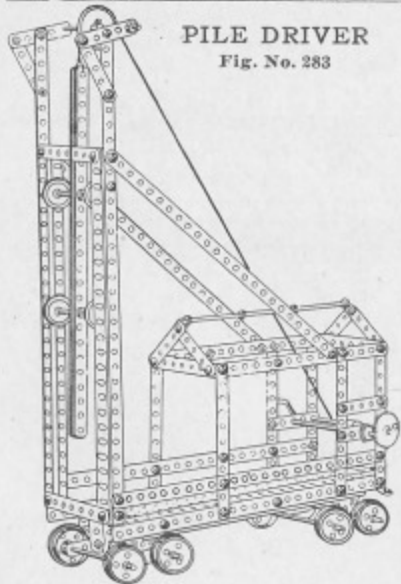


R. R. WRECKING CAR

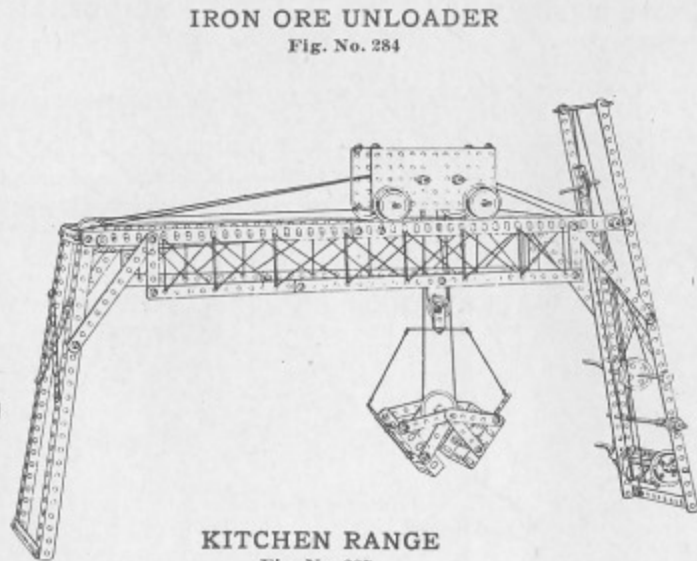
Fig. No. 282



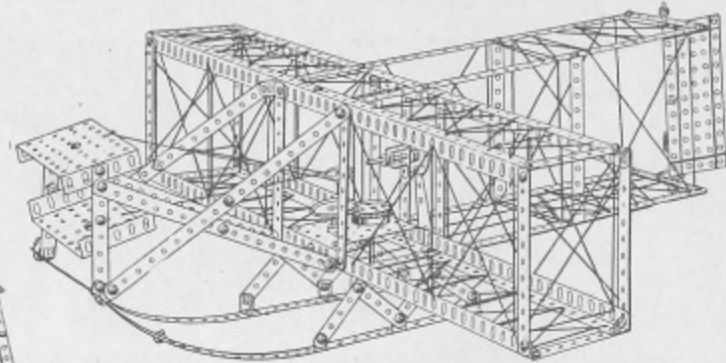
All Models shown on this page can be made with The American Model Builder Outfit No. 4, or with No. 3 and No. 3½ Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.



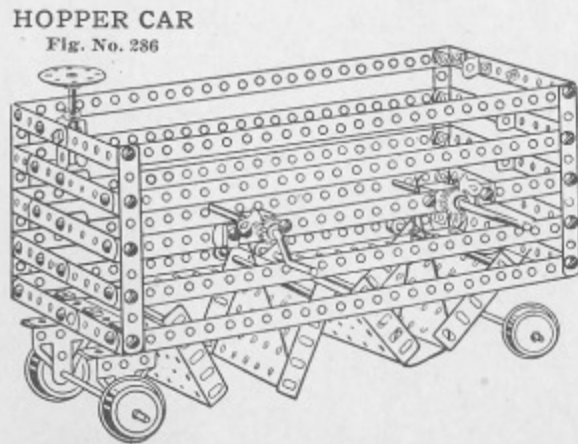
PILE DRIVER
Fig. No. 283



IRON ORE UNLOADER
Fig. No. 284

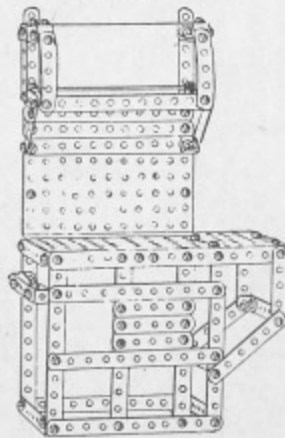


BIPLANE
Fig. No. 285

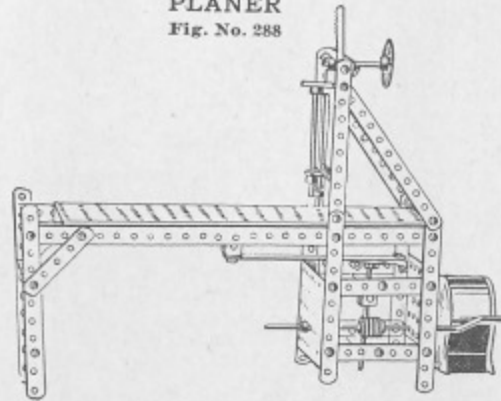


HOPPER CAR
Fig. No. 286

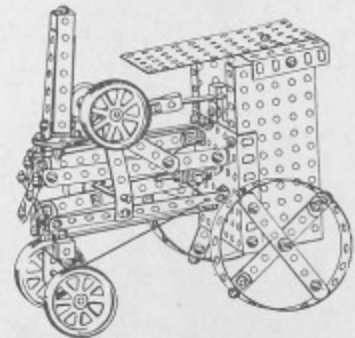
KITCHEN RANGE
Fig. No. 287



PLANER
Fig. No. 288



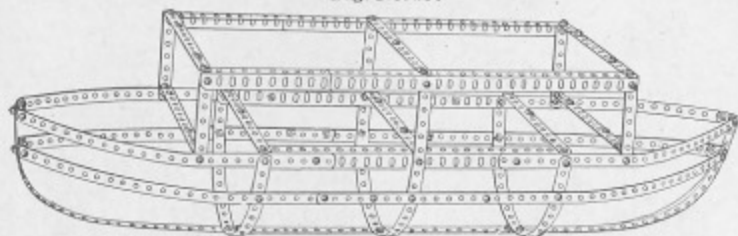
TRACTION ENGINE
Fig. No. 289



All Models shown on this page can be made with The American Model Builder Outfit No. 4, or with No. 3 and No. 3½ Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

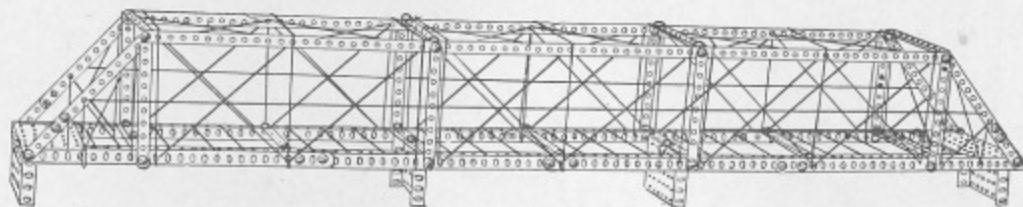
CANAL BOAT

Fig. No. 290



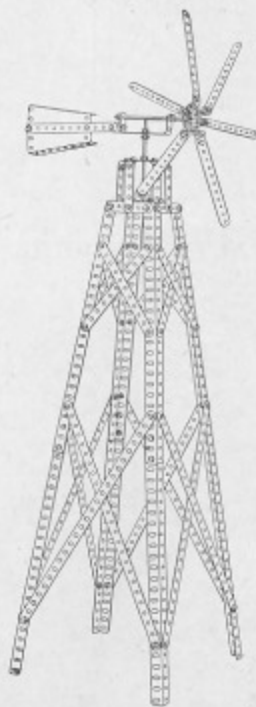
BRIDGE

Fig. No. 291



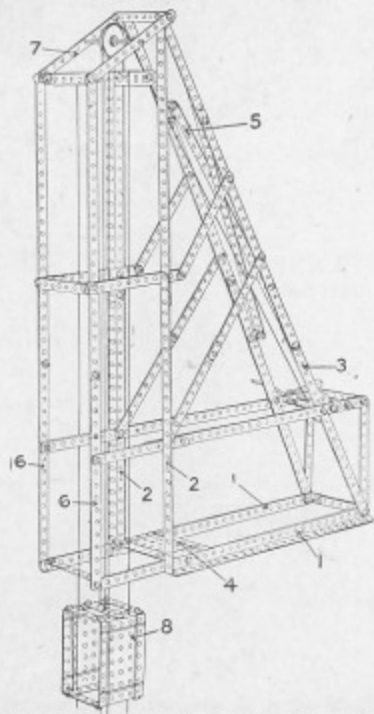
WIND PUMP

Fig. No. 292



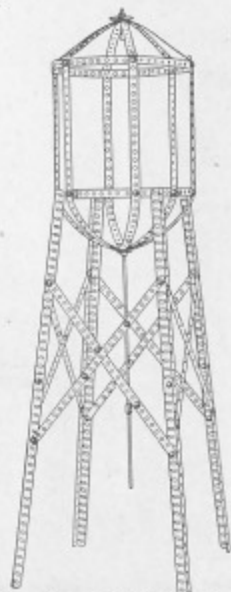
PIT HEADGEAR

Fig. No. 293



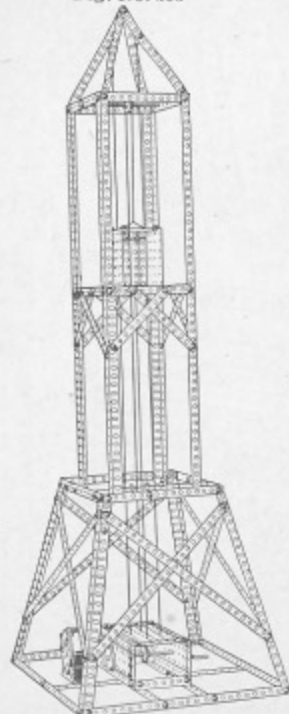
WATER TANK

Fig. No. 294



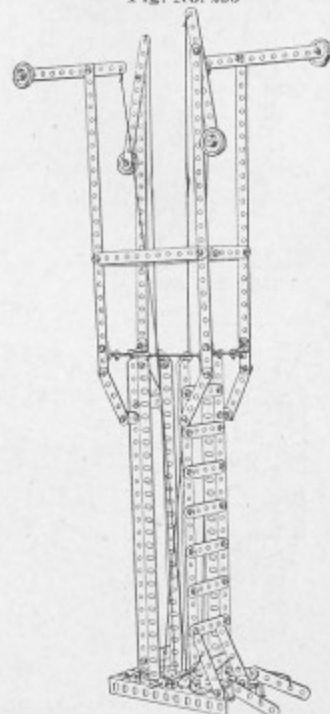
TOWER

Fig. No. 295



R. R. TOWER SIGNAL

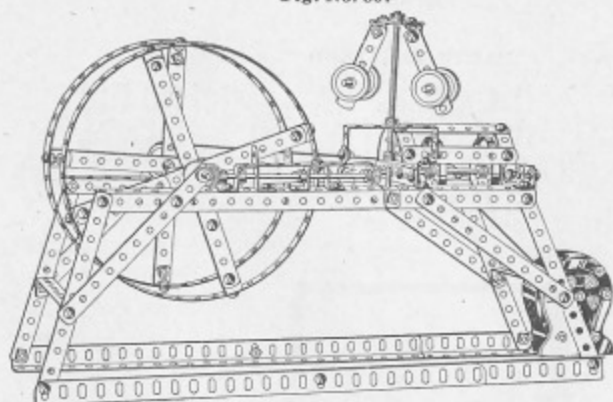
Fig. No. 296



All Models shown on this page can be made with The American Model Builder Outfit No. 4, or with No. 3 and No. 3½ Combined.
 HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

GAS ENGINE WITH GOVERNOR

Fig. No. 307



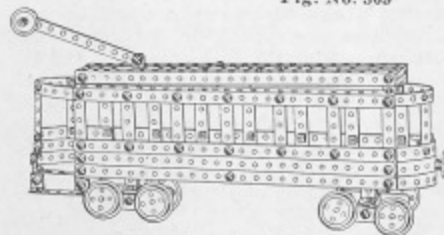
PARTS REQUIRED

- 1—1½" Pulley
- 6—1" Pulleys
- 1—Bush Wheel
- 2—½" Pinions
- 2—¾" Crown Gears
- 2—Auto Wheels
- 11—Collars
- 4—12½" Strips
- 17—5½" Strips
- 6—3½" Strips
- 6—2½" Strips
- 1—2½" Angle Strip
- 2—5½" Angle Strips
- 6—12½" Angle Girders
- 21—Angle Brackets
- 1—Single Bent Strip
- 2—Double Bent Strips
- 1—Large Bent Strip
- 2—5" Rods
- 2—4½" Rods
- 4—2" Rods
- 1—4½" Crank
- 2—Shaft Connectors
- 80—Nuts and Bolts

In building the Gas Engine, note that the governor is operated by an Axle Rod, at each end of which is attached a ½" Pinion, one of which meshes with a ¾" Crown Gear, which is attached to the axle of the fly-wheel and the other to the axle rod of the governor. The engine crank is used as the axle between the two fly-wheels, and to this is attached a 5½" Strip, which operates the piston in the front part of the engine, as shown by cut No. 14 on page 75. For Connecting Governor, see cut No. 11, page 75. The model is operated by a 4½" Crank mounted on the far side of the frame of the engine, having bearings on the frame and on one of the 3½" Strips which constitute the wall of the cylinder. On this is mounted a 1½" Pulley which is belted to a 1" Pulley on the axle of the engine.

STREET CAR

Fig. No. 309

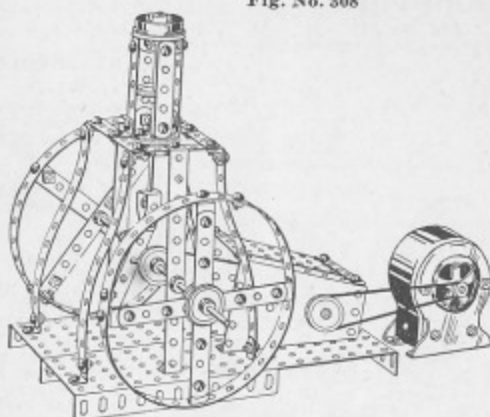


PARTS REQUIRED

- 4—Car Wheels
- 4—Flanged Wheels
- 2—1" Pulley Wheels
- 1—¾" Crown Gear
- 2—Collars
- 5—12½" Strips
- 10—5½" Strips
- 6—3½" Strips
- 1—3" Strip
- 17—2½" Strips
- 4—2½" Angle Strips
- 2—3½" Angle Strips
- 4—Small Plates
- 2—3½" Flat Plates
- 4—4½" Axle Rods
- 80—Nuts and Bolts
- 6—12½" Angle Girders
- 6—Angle Brackets
- 2—Double Bent Strips
- 2—Large Plates

AIR COMPRESSOR

Fig. No. 308



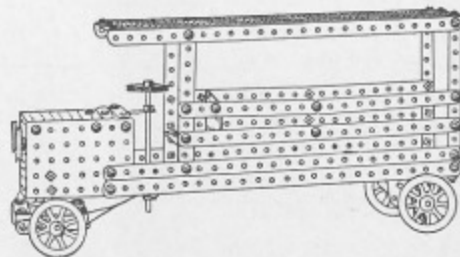
PARTS REQUIRED

- 2—Flanged Wheels
- 5—1" Pulleys
- 1—1½" Pulleys
- 4—Collars
- 2—12½" Strips
- 6—5½" Strips
- 6—3½" Strips
- 2—3" Strips
- 9—2½" Strips
- 2—2½" Angle Strips
- 2—5½" Angle Strips
- 22—Angle Brackets
- 1—Single Bent Strip
- 2—Large Plates
- 2—Small Plates
- 2—Sector Plates
- 1—3½" Flat Plate
- 1—5" Rod
- 2—3½" Rods
- 1—4½" Crank
- 2—Shaft Connectors
- 1—Engine Crank
- 72—Nuts and Bolts

In the Air Compressor model the motor is belted to the 1" Pulley, carried by an Axle Rod running between the two Sector Plates, on which is also mounted inside the Sector Plates a 1" Pulley, from which the belt runs to a pulley on the axle between the two fly-wheels. The center part of this axle between the two fly-wheels is composed of an engine crank connected to the two short axles by means of shaft connectors. This engine crank drives the piston in the cylinder. For details of this connection, see cut No. 14, page 75.

AUTO DELIVERY VAN

Fig. No. 310



PARTS REQUIRED

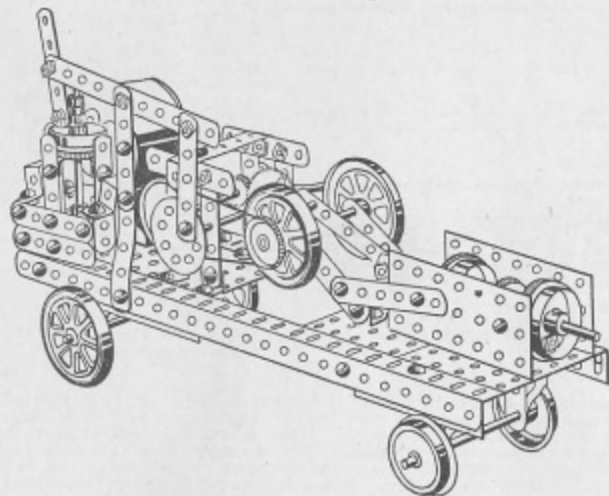
- 1—1½" Pulley Wheel
- 2—1" Pulley Wheels
- 1—Bush Wheel
- 4—Auto Wheels
- 4—12½" Strips
- 5—5½" Strips
- 9—Collars
- 6—3½" Strips
- 6—2½" Strips
- 2—3½" Angle Strips
- 4—12½" Angle Girders
- 16—Angle Brackets
- 2—Single Bent Strips
- 2—Double Bent Strips
- 4—Small Plates
- 2—3½" Flat Plates
- 1—5" Rod
- 1—4½" Rod
- 4—2" Rods
- 2—Truck Frames
- 80—Nuts and Bolts

All Models shown on this page can be made with The American Model Builder Outfit No. 4, or with No. 3 and No. 3½ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

PORTABLE GAS ENGINE
AND PUMP

Fig. No. 311



PARTS REQUIRED

- 2—Car Wheels
- 3—Flanged Wheels
- 1—1½" Pulley Wheels
- 5—1" Pulley Wheels
- 1—Bush Wheel
- 1—¾" Pinion
- 1—1½" Gear Wheel
- 4—Auto Wheels
- 6—Collars
- 1—5¼" Strip
- 20—2½" Strips
- 2—3" Strips
- 2—2¼" Angle Strips
- 1—3½" Strip
- 23—Angle Brackets
- 2—12½" Angle Girders
- 1—Single Bent Strip
- 2—Double Bent Strips
- 4—Small Plates
- 2—3¼" Flat Plates
- 3—4½" Axle Rods
- 2—3" Axle Rods
- 1—2" Axle Rod
- 1—4½" Crank
- 1—Engine Crank
- 4—Truck Frames
- 78—Nuts and Bolts

This model of a **Portable Gas Engine and Pump** is an attractive as well as an instructive one, for the reason that the power automatically operates both engine and pump.

The bed is made of two 12½" Angle Girders fastened together with four Small Plates, to form the bed of the truck. The usual truck wheel construction is used.

The speed of the pump piston is reduced by belting from a small Pulley on the Engine Crank to a larger Pulley on the 4½" Crank, and again by using a Pinion and Gear on a 4½" Axle Rod as described below.

The crank which operates this model is shown on the far side and carries a ¾" Pinion which meshes with a 1½" Gear Wheel, which in turn operates a Bush Wheel, acting as an Eccentric drive. This Eccentric moves the walking beam, which operates the piston on the pump. An 1½" Pulley mounted on the Crank is belted to a 1" Pulley on the Engine Crank, and this in turn operates the piston on the engine. For details of piston connections, see cut No. 14, page 75.

All Models shown on this page can be made with The American Model Builder Outfit No. 4, or with No. 3 and No. 3½ Combined.

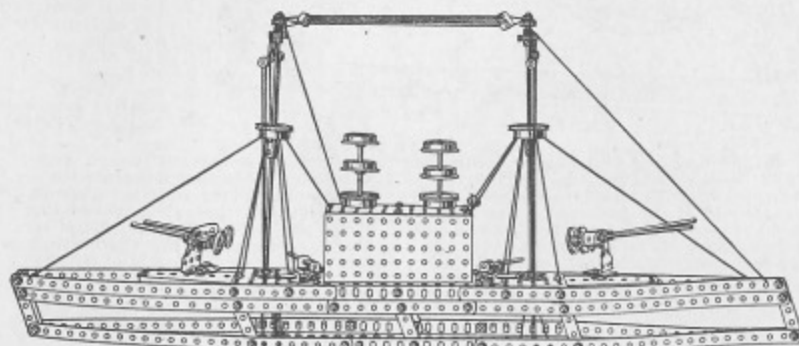
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

DREADNAUGHT

Fig. No. 312

PARTS REQUIRED

- | | | |
|--------------------|----------------------|-------------------|
| 4—Flanged Wheels | 12—Collars | 2—3¼" Flat Plates |
| 4—Car Wheels | 12—12½" Strips | 1—5½" Flat Plate |
| 6—1" Pulley Wheels | 2—5¼" Strips | 4—5" Axle Rods |
| 1—½" Pulley Wheel | 13—2½" Strips | 4—4½" Axle Rods |
| 1—Bush Wheel | 4—12½" Angle Girders | 2—3½" Axle Rods |
| 2—¾" Pinions | 21—Angle Brackets | 4—2" Axle Rods |
| 2—½" Pinions | 2—Large Plates | 2—5½" Cranks |
| 1—1½" Gear Wheel | 3—Small Plates | 60—Nuts and Bolts |
| 2—¾" Crown Gears | 2—Sector Plates | |



In building the **Dreadnaught**, four 12½" Angle Girders are used in the middle section to stiffen the framework. Between the upper pair of these Girders are bolted Flat Plates to form the deck, supporting the superstructure, and the rapid fire guns.

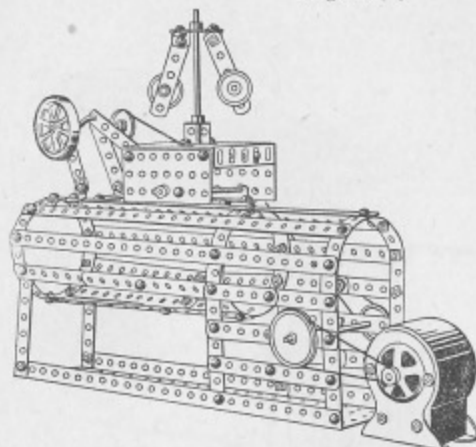
At each end of the deck is bolted a Sector Plate which supports the forward and rear turrets. Truck Frames are utilized for the mounting of the turret guns, and are permitted to swivel by the use of a bolt with lock nuts below the deck.

The construction of the superstructure, the masts and funnels needs no explanation.

Every boy should build this model so that he may get some idea of how the Dreadnaught used in the European conflict looks in miniature.

STATIONARY ENGINE

Fig. No. 313



PARTS REQUIRED

- 1—1½" Pulley Wheel
- 6—1" Pulley Wheels
- 1—Bush Wheel
- 1—¾" Pinion
- 1—¾" Crown Gear
- 1—Auto Wheel
- 1—Collar
- 8—12½" Strips
- 13—5½" Strips
- 2—3½" Strips
- 19—2½" Strips
- 4—2½" Angle Strips
- 2—12½" Angle Girders
- 7—Angle Brackets
- 2—Double Bent Strips
- 1—Small Plate
- 2—3½" Flat Plates
- 1—5" Axle Rod
- 1—3½" Axle Rod
- 3—9" Axle Rods
- 1—5½" Crank
- 1—Engine Crank
- 78—Nuts and Bolts

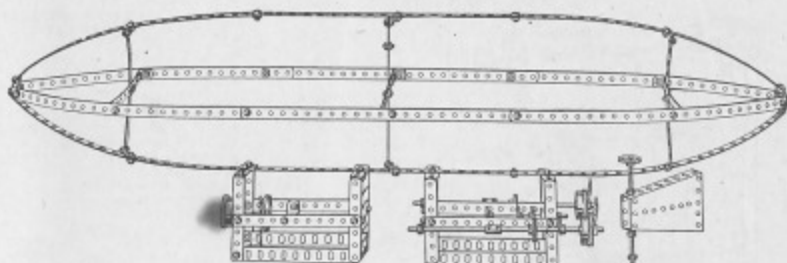
The Stationary Engine shown here is an exact duplicate of the engine and boiler commonly used in country saw mills. It may be operated by an electric motor belted to a 1½" Pulley, mounted on the axle, shown on the side of the fire box. On the opposite end of this axle is a 1" Pulley from which a belt runs to a similar pulley on the far end of an axle running through the steam chest. In the center of this chest is mounted, on an axle, a 1½" Crown Gear, which meshes with a ¾" Pinion on the bottom of the governor shaft.



The Zeppelin completes the models that may be made with The American Model Builder Outfit No. 4. By purchasing Accessory Outfit No. 4½, many additional Models can be made, some of which are shown on the following pages. For price of separate parts and Accessory Outfits, see pages 43 and 45. For special Transformer and Countershaft for operating Models by Electricity, see page 44.

ZEPPELIN

Fig. No. 314



PARTS REQUIRED

- | | | |
|---------------------|---------------------|--------------------|
| 5—Flanged Wheels | 2—5½" Angle Strips | 2—Sector Plates |
| 1—1½" Pulley Wheels | 2—3½" Angle Strips | 4—4¼" Axle Rods |
| 6—1" Pulley Wheels | 2—2½" Angle Strips | 2—3½" Axle Rods |
| 11—Collars | 17—Angle Brackets | 1—9" Axle Rod |
| 12—12½" Strips | 8—Obtuse Angles | 2—Shaft Connectors |
| 12—5½" Strips | 1—Double Bent Strip | 78—Nuts and Bolts |
| 6—3½" Strips | 2—Large Plates | |
| 5—2½" Strips | 3—Small Plates | |

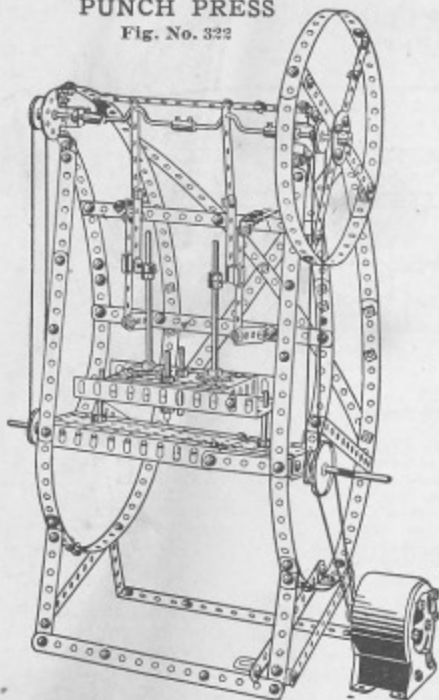
In building the Zeppelin model the extreme ends of the gas bag are fastened together by the use of Obtuse Angle Brackets. The bearings for the propeller axles are provided by placing a 3½" Strip on each end of the engine room with the ends extending one hole beyond the sides. The pulleys on the axles of the propellers are belted to two pulleys on the central axle. The rudder may be operated by a belt passing around a pulley mounted on the rod supporting the rudder. This belt passes through holes in the lower strip of the main frame and then down around a flanged wheel in the front of the cabin.

All Models shown on this page can be made with The American Model Builder Outfit No. 4, or with No. 3 and No. 3½ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

PUNCH PRESS

Fig. No. 322



PARTS REQUIRED

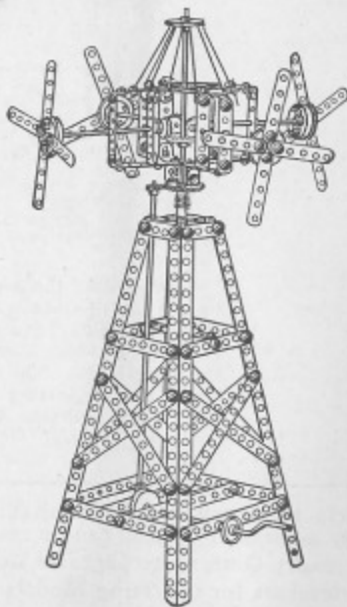
- | | |
|--------------------|----------------------|
| 1—1½" Pulleys | 2—5½" Angle Strips |
| 6—1" Pulleys | 4—Obtuse Angles |
| 2—Bush Wheels | 25—Angle Brackets |
| 2—¾" Pinions | 2—Double Bent Strips |
| 2—½" Pinions | 2—Large Plates |
| 12—Collars | 2—Small Plates |
| 8—12½" Strips | 3—4½" Rods |
| 23—5½" Strips | 6—2" Rods |
| 8—3½" Strips | 1—6½" Crank |
| 2—3" Strips | 2—Eye Pieces |
| 2—2½" Strips | 4—Shaft Connectors |
| 4—2" Strips | 2—Engine Cranks |
| 3—2½" Angle Strips | 119—Nuts and Bolts |

GEARED WIND MILL

Fig. No. 323

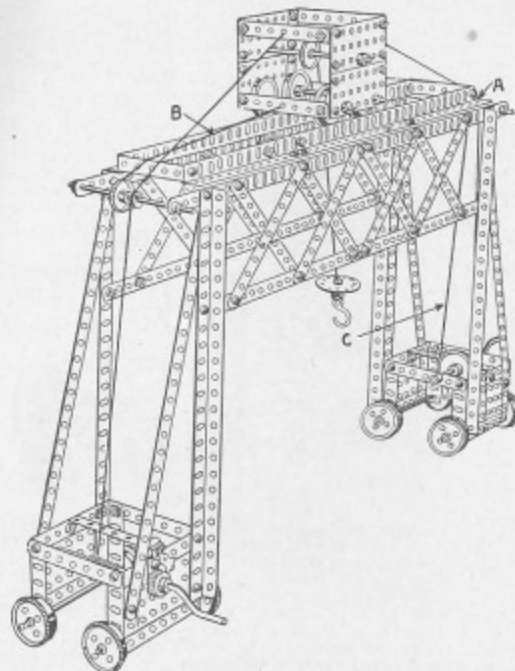
PARTS REQUIRED

- | | |
|----------------------|------------------------|
| 4—12½" Angle Girders | 1—Worm Wheel |
| 16—5½" Strips | 1—1" Pulley |
| 8—3½" Strips | 12—Collars |
| 20—2½" Strips | 2—11½" Rods |
| 4—Flanged Wheels | 4—3½" Rods |
| 2—Bush Wheels | 13—Angle Brackets |
| 2—1½" Crown Gears | 100—Nuts and Bolts |
| 2—¾" Pinions | 1—5½" Crank |
| 2—¾" Pinions | 2—5½" Angle Strips |
| 2—¾" Crown Gears | 1—3½" Angle Strip |
| 1—11" Gear Wheels | 6—2½" Angle Strips |
| | 4—2" Perforated Strips |



GANTRY CRANE

Fig. No. 324



PARTS REQUIRED

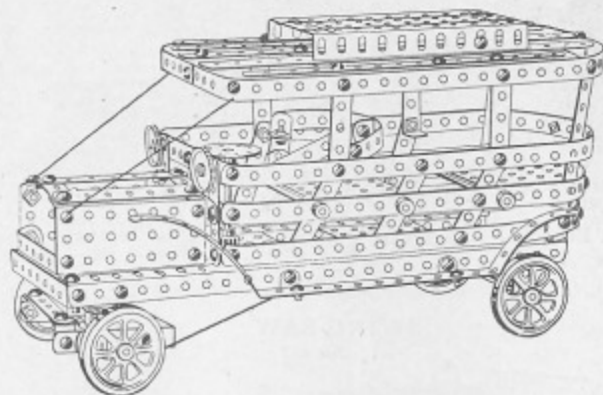
- | | |
|------------------|----------------------|
| 8—Flanged Wheels | 6—2½" Strips |
| 1—1½" Pulley | 2—2½" Angle Strips |
| 4—1" Pulleys | 4—3½" Angle Strips |
| 4—Car Wheels | 8—12½" Angle Girders |
| 1—Bush Wheel | 4—5½" Angle Girders |
| 1—¾" Pinion | 4—Angle Brackets |
| 1—Pawl | 1—Hook |
| 1—½" Pulley | 4—Small Plates |
| 12—Collars | 4—3½" Flat Plates |
| 8—12½" Strips | 5—4½" Rods |
| 16—5½" Strips | 4—5" Rods |
| 8—3½" Strips | 1—6½" Crank |
| 4—3" Strips | 1—5½" Crank |
| | 97—Nuts and Bolts |

All Models shown on this page can be made with The American Model Builder Outfit No. 5, or with No. 4 and No. 4½ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

LIMOUSINE

Fig. No. 325

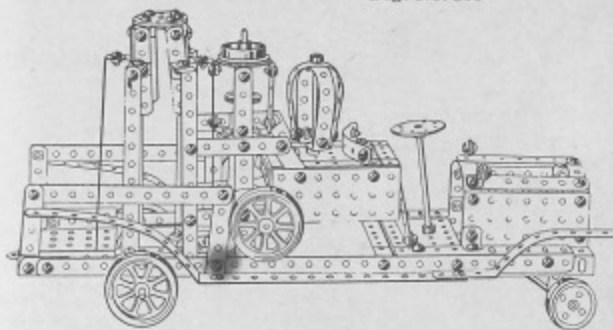


PARTS REQUIRED

- 6—1" Pulleys
- 4—Auto Wheels
- 1—Bush Wheel
- 2—1/2" Pinions
- 12—Collars
- 10—12 1/2" Strips
- 12—5 1/2" Strips
- 7—3 1/2" Strips
- 2—3" Strips
- 24—2 1/2" Strips
- 3—2 1/2" Angle Strips
- 1—3 1/2" Angle Strip
- 2—12 1/2" Angle Girders
- 4—Obtuse Angles
- 34—Angle Brackets
- 2—Single Bent Strips
- 2—Double Bent Strips
- 1—Large Plate
- 4—Small Plates
- 2—3 1/2" Flat Plates
- 4—5" Rods
- 1—4 1/2" Rod
- 1—3 1/2" Rod
- 4—2" Rods
- 2—Truck Frames
- 116—Nuts and Bolts

MOTOR FIRE ENGINE

Fig. No. 326

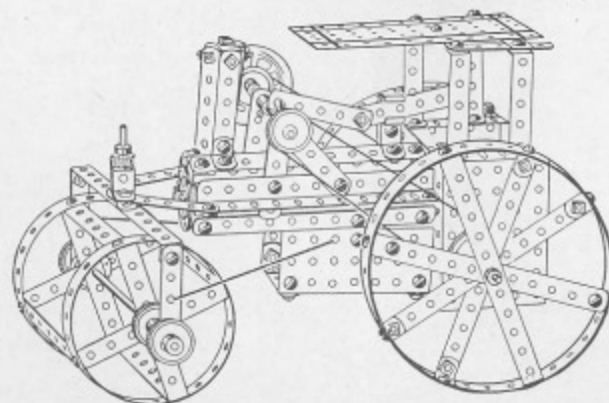


PARTS REQUIRED

- 4—Flanged Wheels
- 2—1 1/2" Pulleys
- 6—1" Pulleys
- 4—Auto Wheels
- 2—Bush Wheels
- 1—1 1/2" Gear Wheel
- 9—Collars
- 4—12 1/2" Strips
- 9—5 1/2" Strips
- 6—3 1/2" Strips
- 4—2" Strips
- 3—3" Strips
- 21—2 1/2" Strips
- 2—3 1/2" Angle Strips
- 1—2 1/2" Angle Strip
- 4—5 1/2" Angle Strips
- 4—Obtuse Angles
- 43—Angle Brackets
- 4—5 1/2" Angle Girders
- 1—Single Bent Strip
- 1—Large Bent Strip
- 4—Small Plates
- 4—3 1/2" Flat Plates
- 5—4 1/2" Rods
- 1—5" Rod
- 1—Engine Crank
- 120—Nuts and Bolts
- 2—1/2" Pulleys

ROAD ROLLER

Fig. No. 327

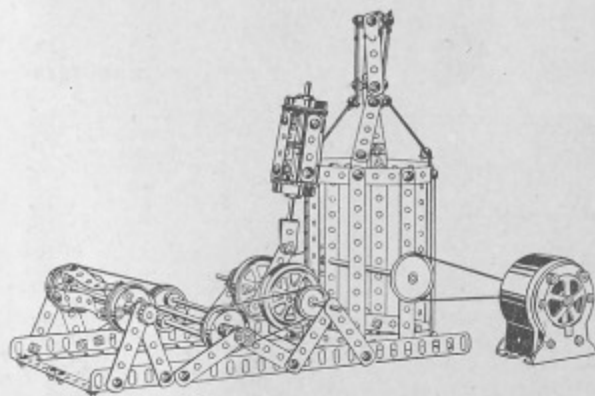


PARTS REQUIRED

- 1—Flanged Wheel
- 2—1 1/2" Pulley Wheels
- 6—1" Pulley Wheels
- 1—Bush Wheel
- 1—Worm Wheel
- 12—Collars
- 6—12 1/2" Strips
- 12—5 1/2" Strips
- 6—3 1/2" Strips
- 4—2" Strips
- 16—2 1/2" Strips
- 1—1 1/2" Pinion
- 4—3 1/2" Angle Strips
- 3—5 1/2" Angle Strips
- 4—2 1/2" Angle Strips
- 2—5 1/2" Angle Girders
- 33—Angle Brackets
- 3—Obtuse Angles
- 2—Single Bent Strips
- 2—Double Bent Strips
- 4—Small Plates
- 2—3 1/2" Flat Plates
- 1—Engine Crank
- 2—Shaft Connectors
- 118—Nuts and Bolts
- 1—5 1/2" Flat Plate
- 1—6" Rod
- 2—3 1/2" Rods
- 2—2" Rods
- 1—4 1/2" Crank
- 1—Eye Piece

HOISTING ENGINE

Fig. No. 328



PARTS REQUIRED

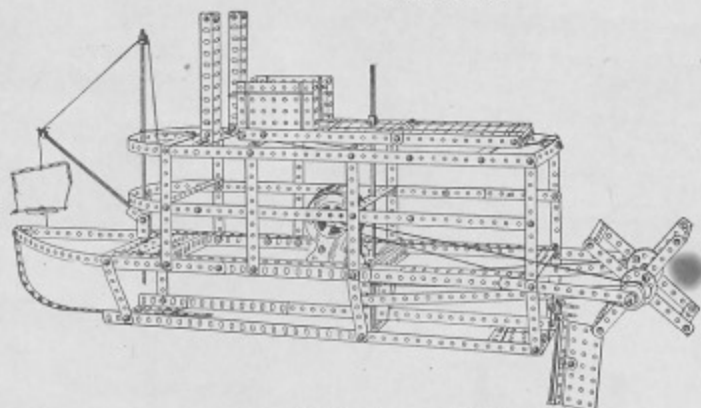
- 6—Flanged Wheels
- 4—1" Pulleys
- 2—Auto Wheels
- 1—1 1/2" Pulley
- 12—Collars
- 2—1 1/2" Pinions
- 12—5 1/2" Strips
- 1—3 1/2" Strip
- 4—3" Strips
- 22—2 1/2" Strips
- 4—2" Strips
- 2—12 1/2" Angle Girders
- 24—Angle Brackets
- 8—Obtuse Angles
- 1—Single Bent Strip
- 1—6" Rod
- 5—4 1/2" Rods
- 2—2" Rods
- 1—6 1/2" Crank
- 2—Shaft Connectors
- 1—Engine Crank
- 73—Nuts and Bolts

All Models shown on this page can be made with The American Model Builder Outfit No. 5, or with No. 4 and No. 4 1/2 Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

STERN WHEELER

Fig. No. 329



2-1 1/4" Rods
1-5" Rod
1-6" Rod

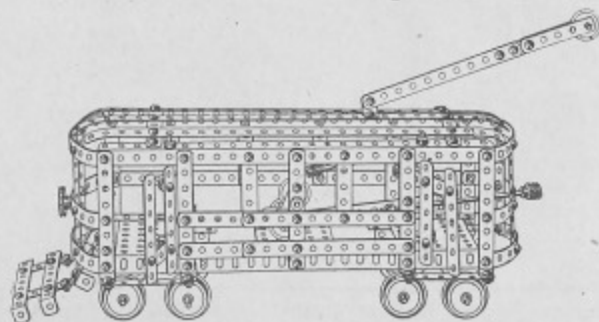
2-Eye Pieces
2-Engine Cranks
120-Nuts and Bolts

PARTS REQUIRED

2-1 1/4" Pulleys
5-1" Pulleys
2-1/2" Pulleys
2-Bush Wheels
12-Collars
14-12 1/2" Strips
21-5 1/2" Strips
7-3 1/2" Strips
4-2 1/2" Strips
4-5 1/2" Angle Strips
1-3 1/2" Angle Strip
6-2 1/2" Angle Strips
2-Hanger Strips
8-12 1/2" Angle Girders
4-5 1/2" Angle Girders
2-Single Bent Strips
50-Angle Brackets
2-Obtuse Angles
1-Large Bent Strip
2-Large Plates
4-Small Plates
1-3 1/2" Flat Plate
2-5 1/2" Flat Plates

PAY-ENTER CAR

Fig. No. 331



3-5" Rods
2-3 1/2" Rods
120-Nuts and Bolts

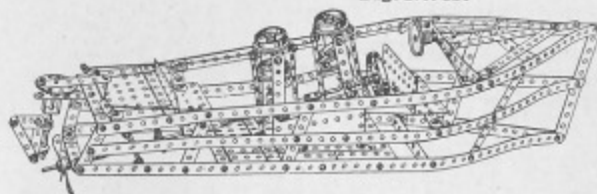
8-Truck Frames
4-"T" Strips
2-Bolster Plates

PARTS REQUIRED

1-Worm Wheel
6-1" Pulleys
8-Car Wheels
12-Collars
4-12 1/2" Strips
12-5 1/2" Strips
8-3 1/2" Strips
4-3" Strips
29-2 1/2" Strips
1-2 1/2" Angle Strip
4-3 1/2" Angle Strips
4-12 1/2" Angle Girders
19-Angle Brackets
1-Single Bent Strip
1-Hanger Strip
1-Double Bent Strip
3-Small Plates
4-4 1/2" Rods

MOTOR BOAT

Fig. No. 330



2-Double Bent Strips
4-Small Plates
2-Sector Cranks
4-3 1/2" Flat Plates
1-6" Rod

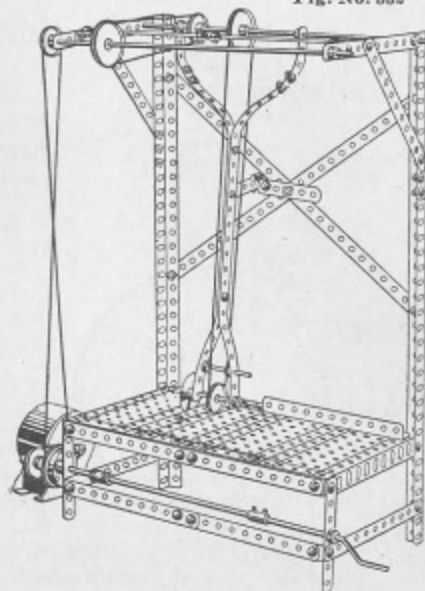
3-2" Rods
2-3 1/2" Rods
2-Engine Cranks
3-Shaft Connectors
120-Nuts and Bolts

PARTS REQUIRED

4-Flanged Wheels
1-1 1/4" Pulley
1-1" Pulley
1-Auto Wheel
1-Bush Wheel
1-Worm Wheel
11-Collars
12-12 1/2" Strips
5-5 1/2" Strips
8-3 1/2" Strips
4-3" Strips
16-2 1/2" Strips
3-2" Strips
3-3 1/2" Angle Strips
1-5 1/2" Angle Strip
3-Angle Brackets
4-Obtuse Angles
2-Single Bent Strips

SWING SAW

Fig. No. 332



PARTS REQUIRED

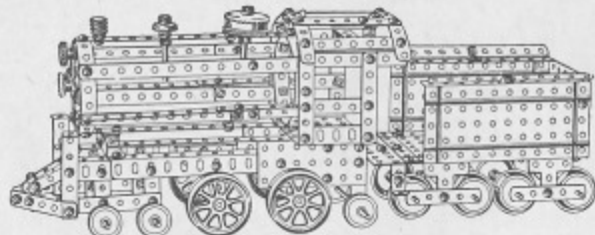
1-Flanged Wheel
2-1 1/4" Pulleys
4-1" Pulleys
1-1 1/4" Gear Wheel
10-Collars
4-12 1/2" Strips
12-5 1/2" Strips
2-3 1/2" Strips
5-2 1/2" Strips
12-Angle Brackets
2-12 1/2" Angle Girders
3-5 1/2" Angle Girders
2-Large Plates
2-5 1/2" Flat Plates
2-1 1/4" Rods
1-6" Rod
2-2" Rods
1-3 1/2" Rod
1-4 1/2" Crank
1-Eye Piece
2-Shaft Connectors
50-Nuts and Bolts

All Models shown on this page can be made with The American Model Builder Outfit No. 5, or with No. 4 and No. 4 1/2 Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

LOCOMOTIVE AND TENDER

Fig. No. 333



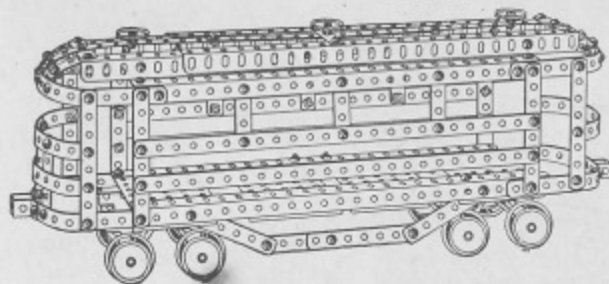
- | | |
|----------------------|--------------------|
| 10—Obtuse Angles | 5—4 1/4" Rods |
| 2—Double Bent Strips | 4—3 1/2" Rods |
| 2—Large Plates | 2—2" Rods |
| 3—Small Plates | 8—Truck Frames |
| 4—3 1/2" Flat Plates | 120—Nuts and Bolts |

PARTS REQUIRED

- 6—1" Pulley Wheels
- 8—Car Wheels
- 4—Auto Wheels
- 1—3/4" Pinion
- 1—Flanged Wheel
- 1—1 1/4" Crown Gear
- 2—3/8" Crown Gears
- 1—Worm Wheel
- 7—Collars
- 2—12 1/2" Strips
- 10—5 1/4" Strips
- 8—3 1/2" Strips
- 4—3" Strips
- 30—2 1/2" Strips
- 4—2" Strips
- 4—2 1/2" Angle Strips
- 2—3 1/2" Angle Strips
- 4—5 1/2" Angle Girders
- 23—Angle Brackets

PULLMAN CAR

Fig. No. 334

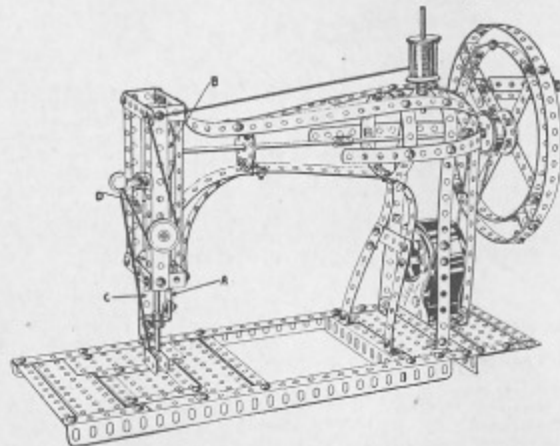


PARTS REQUIRED

- 3—1" Pulleys
- 8—Car Wheels
- 6—12 1/2" Strips
- 8—5 1/4" Strips
- 8—3 1/2" Strips
- 4—2" Strips
- 30—2 1/2" Strips
- 4—2" Strips
- 2—3 1/2" Angle Strips
- 8—12 1/2" Angle Girders
- 4—Angle Brackets
- 6—Obtuse Angles
- 2—Double Bent Strips
- 4—Small Plates
- 4—3 1/2" Rods
- 8—Truck Frames
- 4—"T" Strips
- 2—Bolster Plates
- 120—Nuts and Bolts

SEWING MACHINE

Fig. No. 335

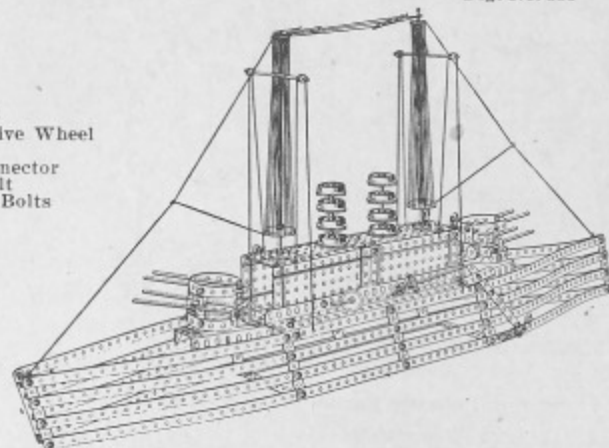


PARTS REQUIRED

- | | |
|-------------------------|----------------------|
| 1—Flanged Wheel | 1—2" Rod |
| 1—1" Pulley | 1—Eye Piece |
| 1—Bush Wheel | 1—Eccen. Drive Wheel |
| 8—Collars | 1—Washer |
| 10—12 1/2" Strips | 1—Shaft Connector |
| 5—5 1/4" Strips | 1—Pulley Belt |
| 4—3 1/2" Strips | 110—Nuts and Bolts |
| 4—3" Strips | |
| 5—2 1/2" Strips | |
| 2—12 1/2" Angle Girders | |
| 2—5 1/2" Angle Girders | |
| 18—Angle Brackets | |
| 2—5 1/4" Angle Strips | |
| 4—2 1/2" Angle Strips | |
| 1—Single Bent Strip | |
| 2—Double Bent Strips | |
| 2—Large Bent Strips | |
| 1—Hanger Strip | |
| 1—Hook | |
| 2—Large Plates | |
| 2—3 1/2" Flat Plates | |
| 2—5 1/2" Flat Plates | |
| 2—6" Rods | |
| 2—3 1/2" Rods | |

BATTLESHIP

Fig. No. 336



PARTS REQUIRED

- 8—Flanged Wheels
- 6—1" Pulleys
- 3—3/4" Pulleys
- 7—Car Wheels
- 2—Bush Wheels
- 2—5/8" Pinions
- 2—1/2" Pinions
- 2—1 1/2" Crown Gears
- 2—3/8" Crown Gears
- 1—Worm Wheel
- 12—Collars
- 20—12 1/2" Strips
- 6—5 1/4" Strips
- 8—3 1/2" Strips
- 25—2 1/2" Strips
- 4—2" Strips
- 2—2 1/2" Angle Strips
- 20—Angle Brackets
- 6—12 1/2" Angle Girders
- 2—Double Bent Strips
- 2—Large Plates
- 2—Small Plates
- 2—Sector Plates
- 4—3 1/2" Flat Plates
- 2—5 1/2" Flat Plates
- 2—1 1/4" Rods
- 2—6" Rods
- 4—3 1/2" Rods
- 4—5" Rods
- 3—2" Rods
- 6—4 1/4" Rods
- 120—Nuts and Bolts

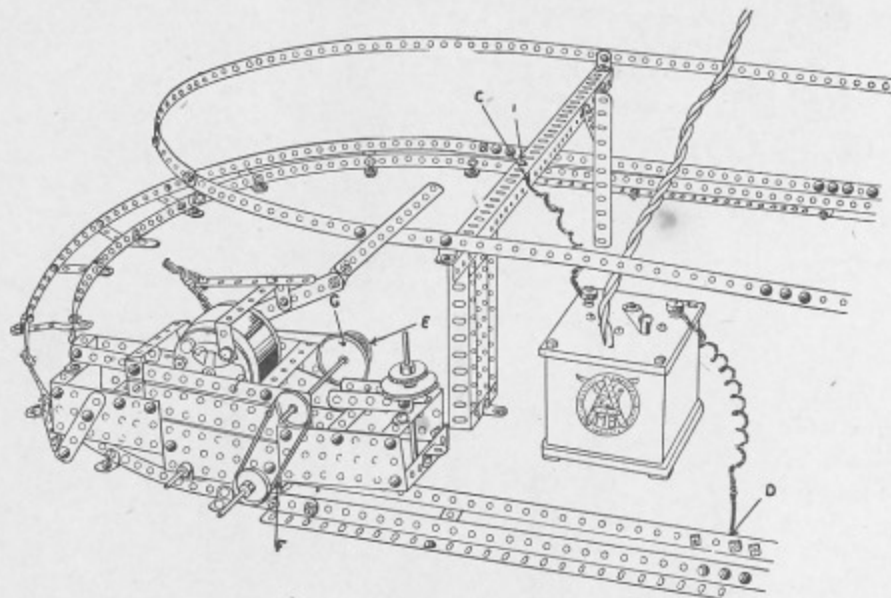


The Battleship completes the models that may be made with The American Model Builder Outfit No. 5. By purchasing Accessory Outfit No. 5 1/2, many additional Models can be made, some of which are shown on the following pages. For price of separate parts and Accessory Outfits, see pages 43 and 45. For special Motors and Countershaft for operating Models by Electricity, see page 44.

All Models shown on this page can be made with The American Model Builder Outfit No. 5, or with No. 4 and No. 4 1/2 Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

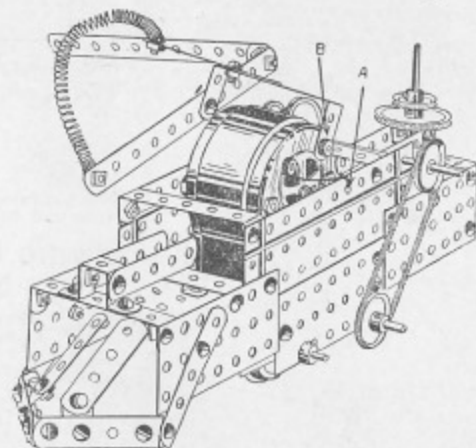
ELECTRIC RAILWAY

Fig. No. 346



This model shows how an overhead **Electric Railway** can be made. The cut shows only one-half of the model, the other half being exactly the same and forms a complete oval. In building the engine attach a Large Bent Strip to one of the terminals on the model at point marked "B," which carries the current into a trolley pole. Ground a copper wire from the other terminal at the frame of the car at point marked "A." The motor is belted to a $1\frac{1}{2}$ " Pulley Wheel "G" mounted on a $3\frac{1}{2}$ " Axle, on each end of which is mounted a 1" Pulley Wheel marked "E." — these Pulley Wheels being belted to the driving axle below, as shown in the cut of the engine. The power is obtained by attaching one wire from the transformer to the track at point marked "D," and another wire to the overhead rail at point marked "C." You will note that the spring in the sectional view of the engine takes up the play in the trolley pole. This is the regular $1\frac{1}{4}$ " spring pulled apart so as to loosen the tension. When this model is properly constructed the engine will travel continuously around the oval track, and if desired a small car can be made and hooked on to the tender.

Detail of Engine on Electric Railway



PARTS REQUIRED

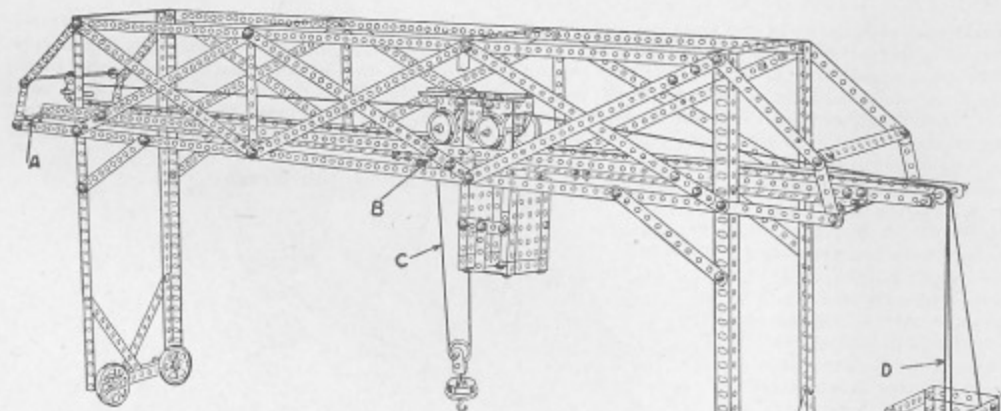
Electric Engine	7— $2\frac{1}{2}$ " Strips	1—Motor No. 150	Overhead Trolley System
2—Flanged Wheels	3—Angle Brackets	50—Nuts and Bolts	12— $12\frac{1}{4}$ " Strips
2—Car Wheels	4—Obtuse Angles		2— $5\frac{1}{2}$ " Strips
2— $1\frac{1}{2}$ " Pulleys	2—Double Bent Strips		2— $12\frac{1}{2}$ " Girders
5—1" Pulleys	1—Large Bent Strip		2— $5\frac{1}{2}$ " Girders
4—Collars	1—Large Plate		2—Large Plates
2— $5\frac{1}{2}$ " Strips	6— $3\frac{1}{2}$ " Flat Plates		10—Angle Brackets
1— $3\frac{1}{2}$ " Strip	2— $5\frac{1}{2}$ " Flat Plates		48—Nuts and Bolts
6— $2\frac{1}{2}$ " Strips	3— $4\frac{1}{2}$ " Axle Rods	Track	
4—2" Strips	1— $3\frac{1}{2}$ " Axle Rod	12— $12\frac{1}{4}$ " Strips	
	2—Pulley Belts	2— $5\frac{1}{2}$ " Strips	
		36— $2\frac{1}{2}$ " Strips	
		8— $12\frac{1}{2}$ " Angle Girders	
		36—Angle Brackets	
		151—Nuts and Bolts	

The Models shown on this page can be made with The American Model Builder Outfit No. 6, or with No. 5 and No. $5\frac{1}{2}$ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

OVERHEAD TRAVELING CRANE

Fig. No. 349



Overhead Traveling Crane. The carriage in this crane is operated back and forth by the lower crank. The upper crank raises and lowers the load. "A," "B," "C" and "D" represent the belt which raises and lowers the load. At "A" it is fastened to the end of the track. At "B" it passes over a 1" Pulley Wheel and "C" shows it passing down through the tackle, then up over a 1/2" Pulley Wheel at the end of the track down to the upper crank, passing the point at "D." The 1" Pulley Wheels at "B" are hidden, but these are mounted on Axle Rods which pass through 3 1/2" Strips attached to the operating cage.

PARTS REQUIRED

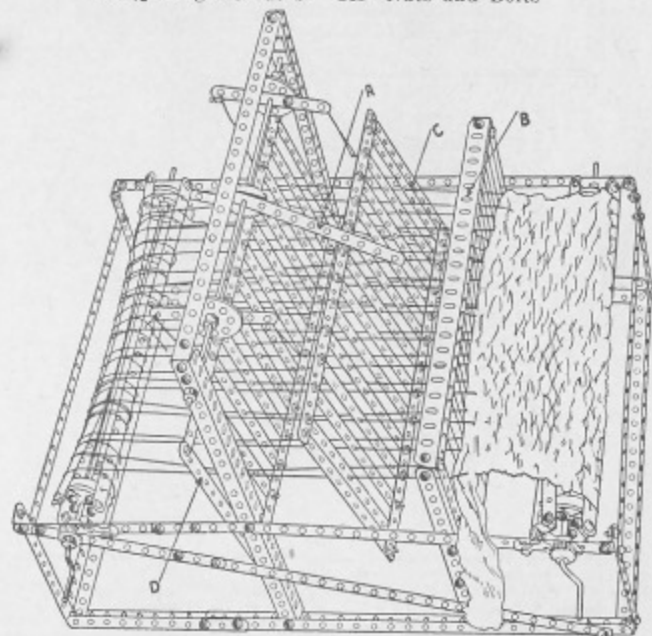
- | | | |
|-------------------|--------------------------|--------------------|
| 3—Flanged Wheels | 31—5 1/4" Strips | 8—2" Axle Rods |
| 1—1 1/2" Pulley | 9—3 1/2" Strips | 4—4 1/2" Axle Rods |
| 4—1" Pulleys | 4—3" Strips | 1—6 1/2" Crank |
| 3—1/2" Pulleys | 24—2 1/4" Strips | 1—5 1/2" Crank |
| 2—Bush Wheels | 6—2" Strips | 4—Truck Frames |
| 4—Auto Wheels | 6—5 1/4" Angle Strips | 1—Pawl |
| 4—Car Wheels | 10—12 1/2" Angle Girders | 180—Nuts and Bolts |
| 3—1/2" Pinions | 8—5 1/2" Angle Girders | 2—Small Plates |
| 2—3/4" Pinions | 28—Angle Brackets | 4—Large Plates |
| 13—Collars | 2—Single Bent Strips | |
| 24—12 1/2" Strips | 3—3 1/2" Axle Rods | |

CARPET LOOM

Fig. No. 350

PARTS REQUIRED

- | | |
|-------------------------|----------------------|
| 4—Flanged Wheels | 22—Angle Brackets |
| 2—Bush Wheels | 2—Double Bent Strips |
| 2—3/4" Pinions | 2—Pawls |
| 1—1 1/2" Gear Wheel | 2—1 1/2" Axle Rods |
| 6—Collars | 1—6" Axle Rod |
| 19—12 1/4" Strips | 1—3 1/2" Axle Rod |
| 36—5 1/4" Strips | 1—2" Axle Rod |
| 2—3 1/2" Strips | 1—6 1/2" Crank |
| 8—12 1/2" Angle Girders | 1—4 1/2" Crank |
| 6—5 1/2" Angle Girders | 4—Shaft Connectors |
| | 145—Nuts and Bolts |



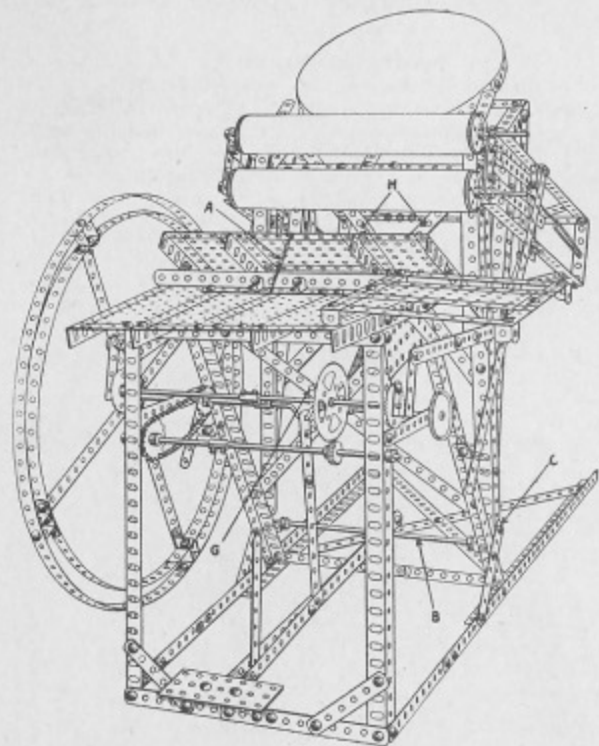
Carpet Loom. Lever "A" separates the cords by raising and lowering the frames "C" and "D." The yarn to be woven is then passed through these cords and drawn tight by pulling frame "B" forward. This model will actually weave a strip of carpet 12" wide.

The Models shown on this page can be made with The American Model Builder Outfit No. 6, or with No. 5 and No. 5 1/2 Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

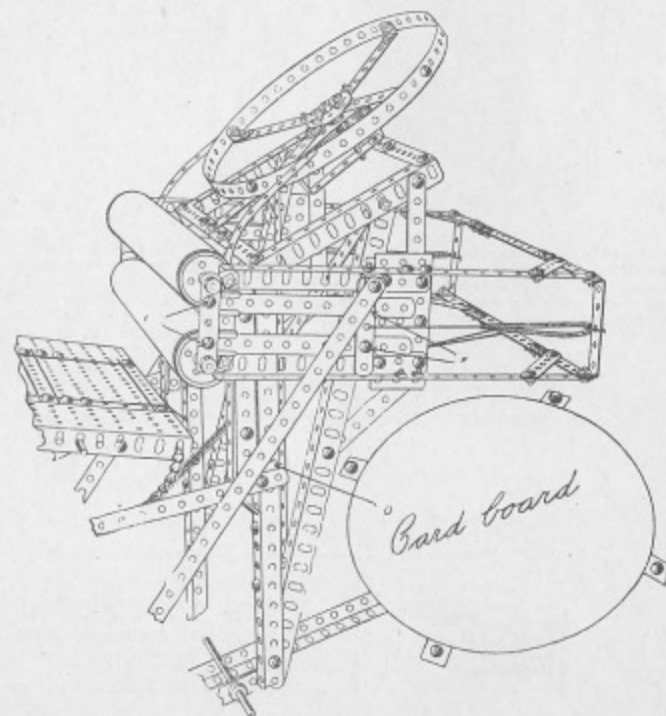
JOB PRINTING PRESS

Fig. No. 351



The Job Printing Press is one of the most complete models shown in the book, and when the outside framework is built up will not be nearly as complicated as it at first appears. It is operated by the foot treadle pivoted on Axle "B," and attached to an engine crank by means of a $5\frac{1}{2}$ " and $2\frac{1}{2}$ " Strip. On the outside end of the engine crank is attached a large fly wheel, the crank being belted to the main driving shaft by means of a sprocket chain. The front frame of the press is stationary, and is held rigid by two $12\frac{1}{2}$ " Cross Strips "G" bolted to Angle Girders. "H" represents two crossed $12\frac{1}{2}$ " Strips which support the sides of the back frame, which, as indicated by the detail cut, swings back and forth, and is pivoted at point marked "C." This back frame is operated back and forth by the Crank made of a Hanger Strip and attached to the back frame at point marked "D" by means of two Angle Brackets. The rollers are mounted on $2\frac{1}{2}$ " Strips and on the screws "E" and "F" should be placed lock nuts so as to allow the rollers to adjust themselves when passing over the ink plate. "A" represents an ordinary rubber band which is attached to the movable bed to help draw it back when the rollers return to their home position.

Detail of Job Press



PARTS REQUIRED

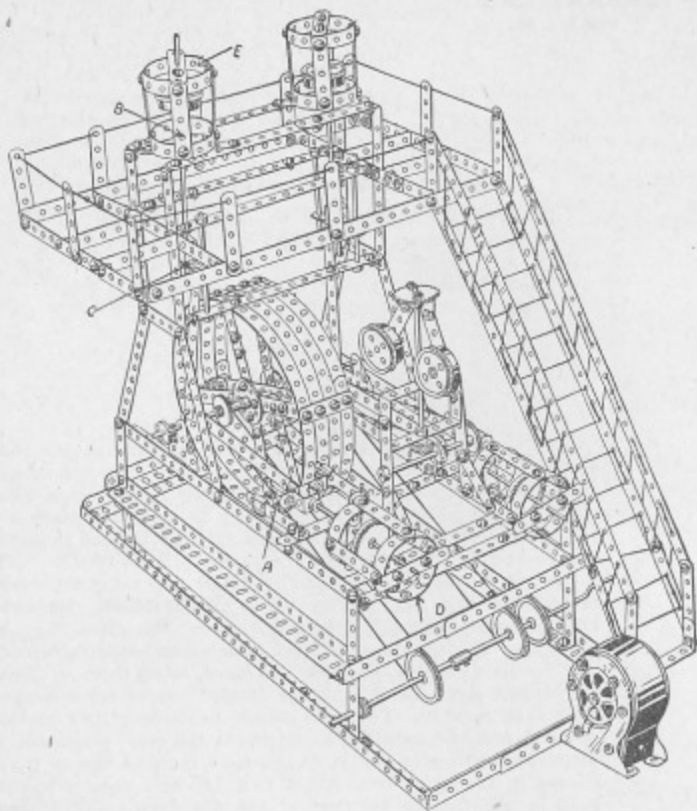
4—Flanged Wheels	11— $3\frac{1}{2}$ " Strips	4—Large Plates	4—Eye Pieces
1— $1\frac{1}{2}$ " Pulley	8—3" Strips	6— $3\frac{1}{2}$ " Flat Plates	1—Chain
3— $\frac{1}{2}$ " Pulleys	15— $2\frac{1}{2}$ " Strips	4— $5\frac{1}{2}$ " Flat Plates	2—Washers
2—Bush Wheels	2— $2\frac{1}{2}$ " Angle Strips	2— $11\frac{1}{2}$ " Axle Rods	1—1" Sprocket
1— $\frac{3}{4}$ " Pinion	10— $12\frac{1}{2}$ " Angle Girders	1—8" Axle Rod	1— $1\frac{1}{2}$ " Sprocket
2— $1\frac{1}{2}$ " Gears	8— $5\frac{1}{2}$ " Angle Girders	1—6" Axle Rod	2—Pulley Belts
1— $2\frac{1}{4}$ " Gear	28—Angle Brackets	3—5" Axle Rods	4—Shaft Connectors
16—Collars	4—Double Bent Strips	4— $3\frac{1}{2}$ " Axle Rods	250—Nuts and Bolts
24— $12\frac{1}{2}$ " Strips	1—Large Bent Strip	1—2" Axle Rod	4— $5\frac{1}{2}$ " Angle Strips
36— $5\frac{1}{2}$ " Strips	4—Hanger Strips	1—Spring	

The Model shown on this page can be made with The American Model Builder Outfit No. 6, or with No. 5 and No. $5\frac{1}{2}$ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

STATIONARY ENGINE

Fig. No. 352



The Stationary Engine makes a very interesting and beautiful model when complete. The cylinders at the top marked "E" are made of two $3\frac{1}{2}$ " Strips, bent in a circle. These cylinder heads are held together by $2\frac{1}{2}$ " Strips marked "B" and should be adjusted directly over the driving shaft of the fly wheel. At point marked "C" the axle forming the piston rod passes through a double bent strip which is attached to a $2\frac{1}{2}$ " Strip which operates up and down on the two $3\frac{1}{2}$ " Axle Rods to keep the piston centered. A $5\frac{1}{2}$ " Strip is then bolted to this $2\frac{1}{2}$ " Strip by means of two Angle Brackets. This $5\frac{1}{2}$ " Strip is then fastened to the engine crank below. The front cylinder heads are made of a $5\frac{1}{2}$ " and $2\frac{1}{2}$ " Strip overlapped and properly bent, marked "D." A second $5\frac{1}{2}$ " Strip is attached to the engine crank to operate the forward cylinders, and this strip is connected to the forward pistons between four angle brackets attached to a double bent strip at point marked "A,"—the outside angle bracket being attached to eye pieces which slide forward and back on the $2\frac{1}{2}$ " Strips. The engine is operated by the lower driving shaft with pulley belts on both sides of fly wheels. The governor is operated by being belted to the axle on the right-hand side of the fly wheel, where two 1" pulley wheels are placed side by side. While this model may seem complicated from the cut, yet if the framework is built first and the fly wheel and pistons mounted afterwards it will be found comparatively simple in construction.

PARTS REQUIRED

4—Flanged Wheels	36— $5\frac{1}{2}$ " Strips	3—5" Axle Rods
3— $1\frac{1}{2}$ " Pulleys	10— $3\frac{1}{2}$ " Strips	1— $4\frac{1}{2}$ " Axle Rod
4—1" Pulleys	6—3" Strips	5— $3\frac{1}{2}$ " Axle Rods
2—Bush Wheels	56— $2\frac{1}{2}$ " Strips	1—2" Axle Rod
1— $\frac{3}{4}$ " Pinion	10—2" Strips	1— $6\frac{1}{2}$ " Crank
2— $\frac{1}{2}$ " Pinions	8— $2\frac{1}{2}$ " Angle Strips	4—Eye Pieces
1— $1\frac{1}{2}$ " Gear Wheel	4— $5\frac{1}{2}$ " Angle Strips	3—Shaft Connectors
2— $1\frac{1}{2}$ " Crown Gears	60—Angle Brackets	2—Drive Shafts
2— $\frac{3}{4}$ " Crown Gears	4—Double Bent Strips	2—Truck Frames
16—Collars	2—Large Bent Strips	250—Nuts and Bolts
14— $12\frac{1}{2}$ " Strips	2—8" Axle Rods	



The Stationary Engine completes the models that can be built with Outfit No. 6. By purchasing Accessory Outfit No. 6 $\frac{1}{2}$, many additional Models can be made, some of which are shown on the following pages.

For prices of separate parts and Accessory Outfits, see pages 43 and 45.

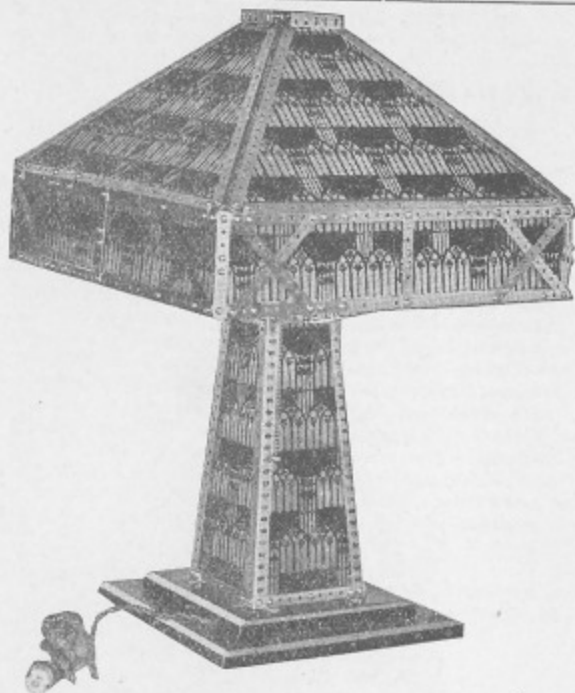
For special Transformers and Countershaft for operating Models by Electricity, see page 44.

The Model shown on this page can be made with The American Model Builder Outfit No. 6, or with No. 5 and No. 5 $\frac{1}{2}$ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

LIBRARY LAMP

Fig. No. 264

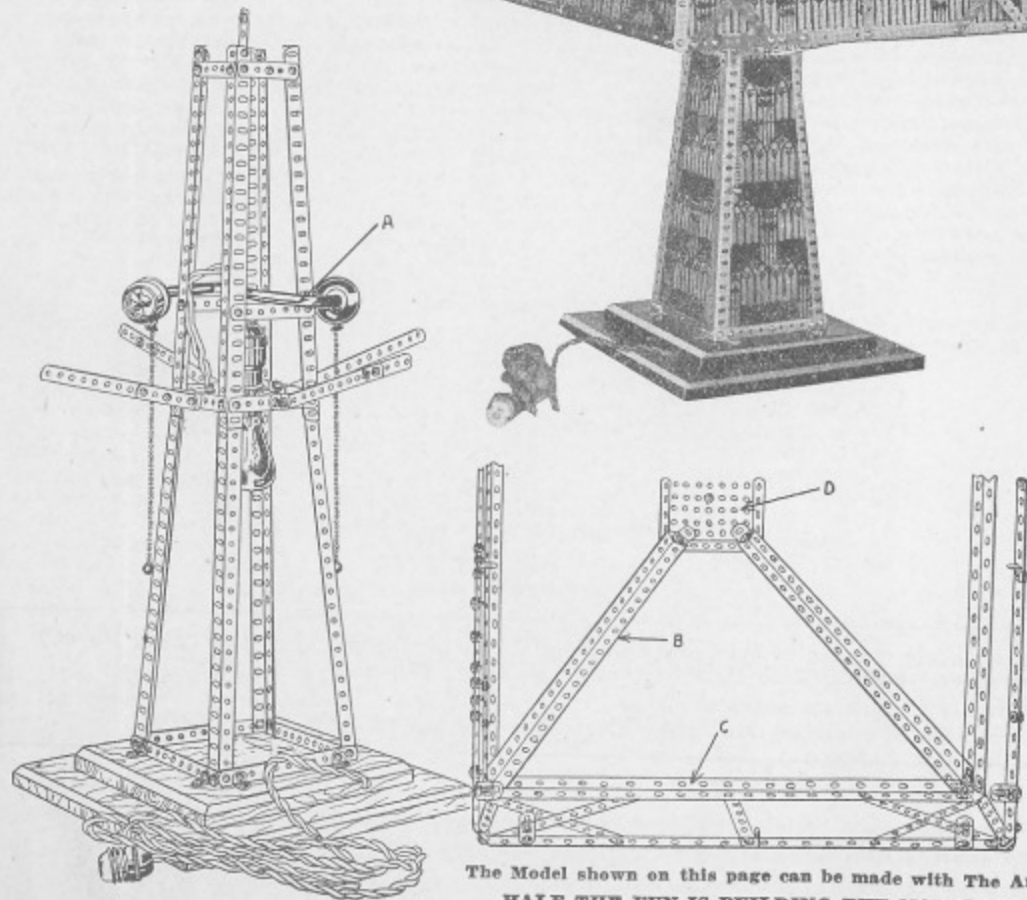


PARTS REQUIRED

28—12½" Strips	68—Angle Brackets
36—5½" Strips	36—Obtuse Angles
7—3½" Strips	2—Small Plates
24—2½" Strips	220—Bolts
8—12½" Angle Girders	240—Nuts

The Library Lamp is useful as well as ornamental and will make an elegant present for any parent. The construction is extremely simple, as shown by the various cuts, and when the framework is completed it is only necessary to cut some old pieces of glass in triangular and square shapes and fit these between the Strips "B" and "C." "D" forms the top and is made of two Small Rectangular Plates fastened to the 12½" Strips by Angle Brackets. Enough transparent art glass paper for covering the glass can be purchased in any store for 10c. The electrical attachment "A" consists of a goose-neck and cord, with three sockets for electric light bulbs, and the cost of one of these varies from \$1.30 to \$1.50. The base should be made of two pieces of wood fastened together as shown in the cut. When completed this will give you as handsome a lamp as can be purchased in any store from \$10.00 to \$15.00 at a cost of about \$1.50 in addition to the cost of the few Strips and Plates which are used.

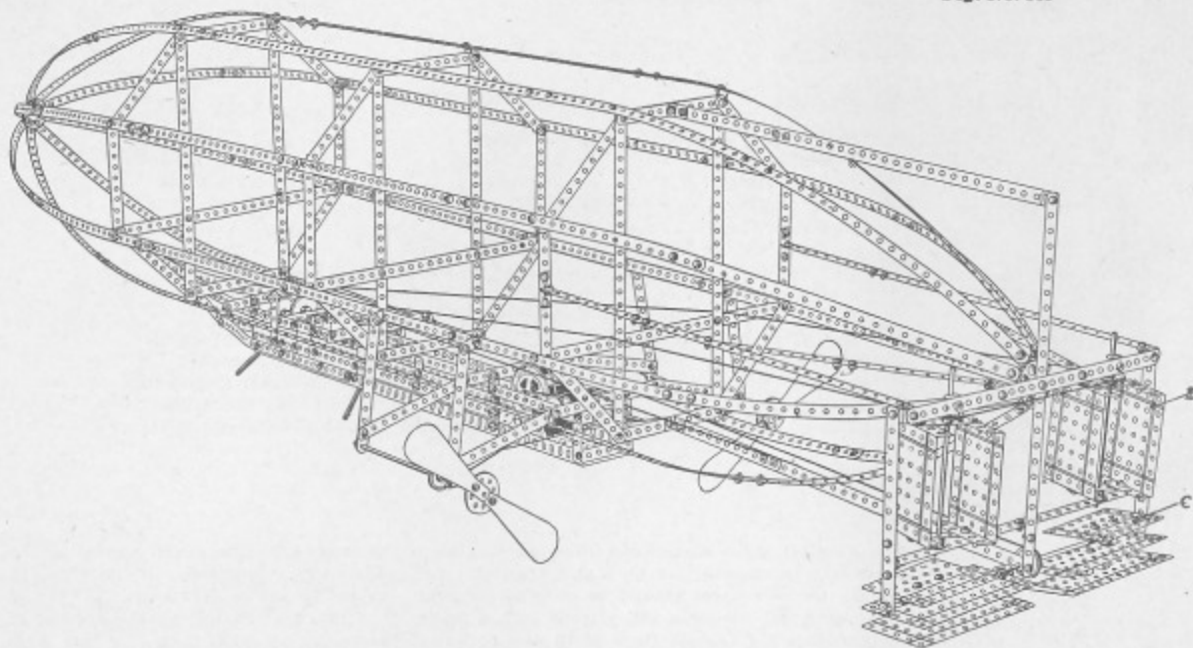
Boys! this will make an elegant surprise for your parents for Xmas. Try it!



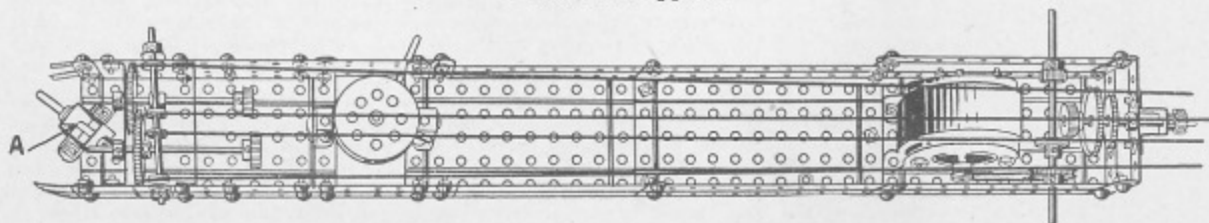
The Model shown on this page can be made with The American Model Builder Outfit No. 7, or with No. 6 and No. 6½ Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

ZEPPELIN

Fig. No. 385



Details of Zeppelin



PARTS REQUIRED

4—1½" Pulleys	6—Double Bent Strips
6—1" Pulleys	1—Large Bent Strip
4—½" Pulleys	3—Large Rect. Plates
5—Bush Wheels	4—2½" Angle Strips
3—¾" Pinions	4—Small Rect. Plates
4—½" Pinions	5—5½" Flat Plates
2—1½" Gear Wheels	8—3½" Flat Plates
1—¾" Crown Gear	3—8" Axle Rods
20—Collars	3—6" Axle Rods
66—12½" Strips	1—4½" Axle Rod
61—5½" Strips	3—3½" Axle Rods
18—2½" Strips	3—2" Axle Rods
13—2" Strips	4—Propeller Blades
2—5½" Angle Girders	1—Shaft Connector
68—Angle Brackets	1—Motor, No. 150
16—Obtuse Angles	385—Nuts and Bolts
2—Single Bent Strips	

The Zeppelin is a type of the Dirigible Balloon which is being used in the present European warfare. The construction of the framework is comparatively simple. The movements of the Dirigible are controlled entirely from the Cabin below, by operating the tail pieces "C" up and down to raise or lower it and operating the rudders "B" from left to right in order to turn it. These mechanisms are operated by the cord passing over the top of the cabin, as shown in the detail cut. At the present time a good many of these Dirigibles are also armed with rapid-firing guns such as shown in the bottom of the Cabin marked "A." When this model is completed, it is about 5 feet long, 2 feet wide, and presents a most realistic appearance. The Motor can be used for operating the Propeller Blades located on each side of the machine.

The Models shown on this page can be made with The American Model Builder Outfit No. 7, or with No. 6 and No. 6½ Combined.

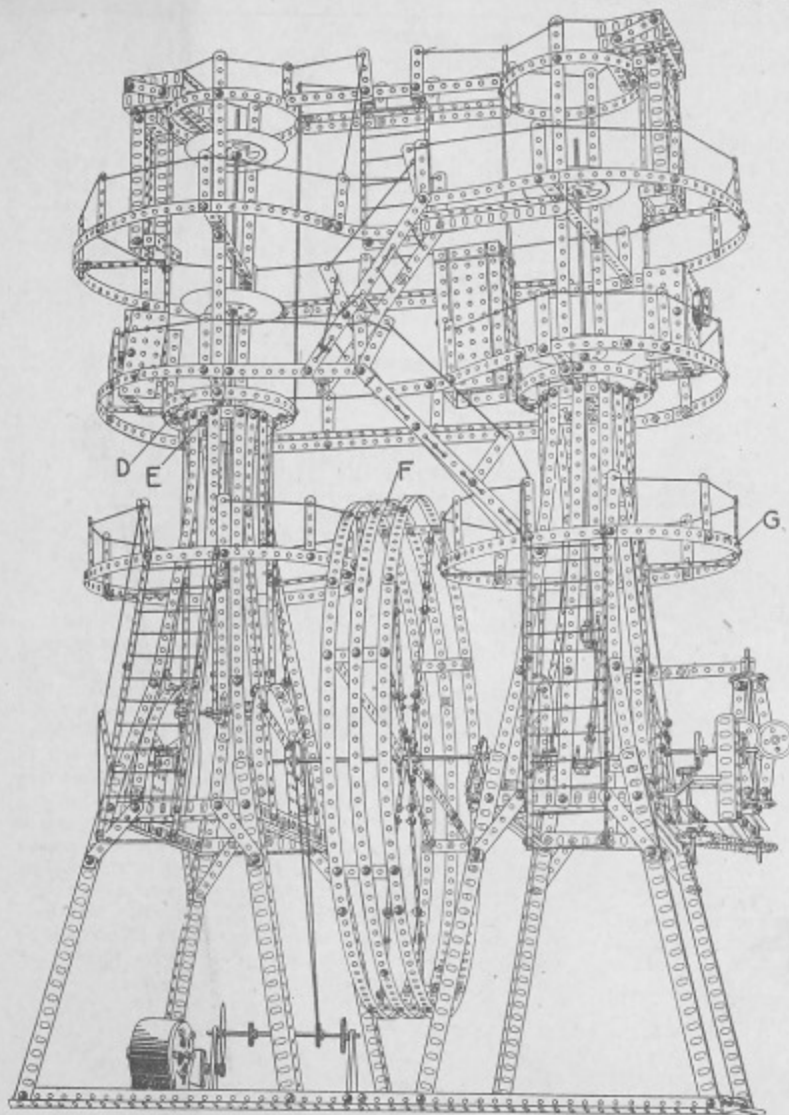
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

VERTICAL CROSS COMPOUND BLOWING ENGINE

Fig. No. 366

PARTS REQUIRED

6—Flanged Wheels	24—3" Strips	2—5½" Flat Plates
2—1½" Pulleys	70—2½" Strips	3—1½" Axle Rods
2—1" Pulleys	16—2" Strips	3—8" Axle Rods
2—½" Pulleys	22—12½" Angle Girders	1—4½" Axle Rod
4—Bush Wheels	12—5½" Angle Girders	4—3½" Axle Rods
2—Eccen. Drive Wheels	76—Angle Brackets	1—2" Axle Rod
1—¾" Pinion	1—Obtuse Angle	1—5½" Crank
4—1½" Gear Wheels	9—2½" Angle Strips	1—4" Chain
2—2¼" Gear Wheels	5—3½" Angle Strips	4—Washers
1—1½" Crown Gears	2—5½" Angle Strips	3—1½" Sprockets
20—Collars	5—Large Plates	1—1" Sprocket
66—12½" Strips	6—Small Plates	3—Shaft Connectors
69—5½" Strips	1—Sector Plate	1—No. 150 Motor
34—3½" Strips	8—3½" Flat Plates	550—Nuts and Bolts



The Vertical Cross Compound Blowing Engine is the most scientific model shown in the book. It stands about 4 feet high and about 2½ feet wide when completed. In constructing this model, the two bases should be constructed first. As shown in the detail cut, "B" is the Crank Shaft which operates the pistons and is made up of two 3½" Strips, on the bottom of which is attached a Double Bent Strip and through this passes an Axle Rod. To this Axle Rod is attached a Hanger Strip, which is connected to the piston rod by means of a 5½" Strip, at point "A." This 5½" Strip is fastened to a Double Bent Strip held on the bottom of the piston rod by means of two Collars. "F" is the Fly Wheel, the circumference of which is made by overlapping five 12½" Strips. The top of the lower base marked "E" is made with a 12½" Strip overlapping three holes, while the lower part of the cylinder "D" is made with a 12½" and 5½" Strip overlapping four holes. The lower platform "G" is made with three 12½" Strips.

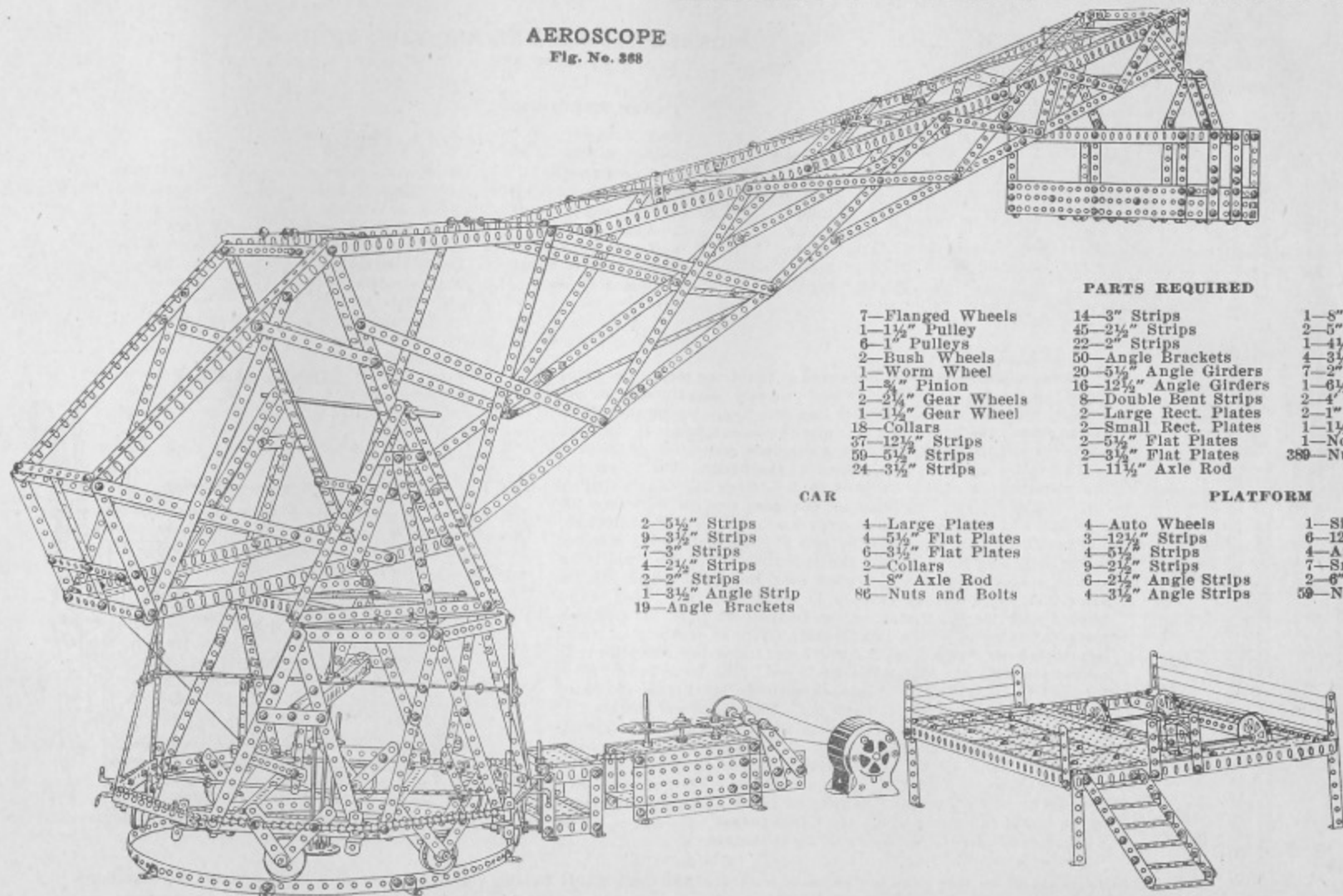
The gearing of the governor is clearly shown in the detail cut. If the model is operated with a Motor, a Countershaft should be used and attached, as shown in the cut of the complete model. This model is so perfectly balanced that when the Fly Wheel is started, it will operate several revolutions of its own momentum. While this cut may seem somewhat complicated, on account of the various runways and bridges which are constructed around the cylinders, at the same time it is comparatively simple and no trouble will be experienced in the building of it.

The Model shown on this page can be made with The American Model Builder Outfit No. 7, or with No. 6 and No. 6½ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

AEROSCOPE

Fig. No. 388



PARTS REQUIRED

7—Flanged Wheels
 1— $1\frac{1}{2}$ " Pulley
 6— $1\frac{1}{2}$ " Pulleys
 2—Bush Wheels
 1—Worm Wheel
 1— $\frac{3}{4}$ " Pinion
 2— $2\frac{1}{4}$ " Gear Wheels
 1— $1\frac{1}{4}$ " Gear Wheel
 18—Collars
 37— $12\frac{1}{4}$ " Strips
 50— $5\frac{1}{2}$ " Strips
 24— $3\frac{1}{2}$ " Strips

14—3" Strips
 45— $2\frac{1}{4}$ " Strips
 22—2" Strips
 50—Angle Brackets
 20— $5\frac{1}{2}$ " Angle Girders
 16— $12\frac{1}{2}$ " Angle Girders
 8—Double Bent Strips
 2—Large Rect. Plates
 2—Small Rect. Plates
 2— $5\frac{1}{2}$ " Flat Plates
 2— $3\frac{1}{2}$ " Flat Plates
 1— $11\frac{1}{4}$ " Axle Rod

1—8" Axle Rod
 2—5" Axle Rods
 1— $4\frac{1}{2}$ " Axle Rod
 4— $3\frac{1}{2}$ " Axle Rods
 7—2" Axle Rods
 1— $6\frac{1}{2}$ " Crank
 2—4" Chains
 2—1" Sprockets
 1— $1\frac{1}{2}$ " Sprocket
 1—No. 150 Motor
 389—Nuts and Bolts

CAR

2— $5\frac{1}{2}$ " Strips
 9— $3\frac{1}{2}$ " Strips
 7—3" Strips
 4— $2\frac{1}{2}$ " Strips
 2—2" Strips
 1— $3\frac{1}{2}$ " Angle Strip
 19—Angle Brackets

4—Large Plates
 4— $5\frac{1}{2}$ " Flat Plates
 6— $3\frac{1}{2}$ " Flat Plates
 2—Collars
 1—8" Axle Rod
 86—Nuts and Bolts

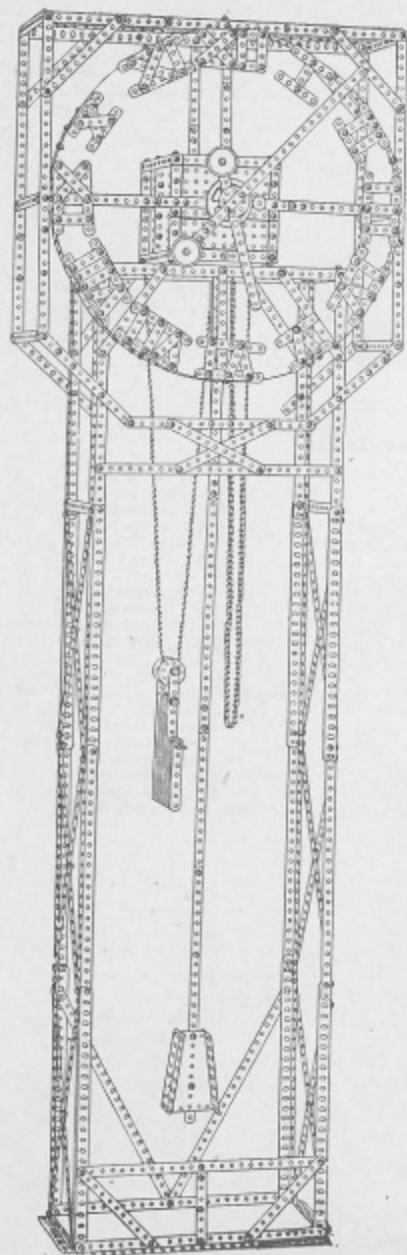
PLATFORM

4—Auto Wheels
 3— $12\frac{1}{4}$ " Strips
 4— $5\frac{1}{2}$ " Strips
 9— $2\frac{1}{2}$ " Strips
 6— $2\frac{1}{2}$ " Angle Strips
 4— $3\frac{1}{2}$ " Angle Strips

1—Single Bent Strip
 6— $12\frac{1}{2}$ " Angle Girders
 4—Angle Brackets
 9—Small Plates
 2—6" Axle Rods
 59—Nuts and Bolts

The Model shown on this page can be made with The American Model Builder Outfit No. 7, or with No. 6 and No. $6\frac{1}{2}$ Combined.

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.



GRANDFATHER'S CLOCK

Fig. No. 369

PARTS REQUIRED

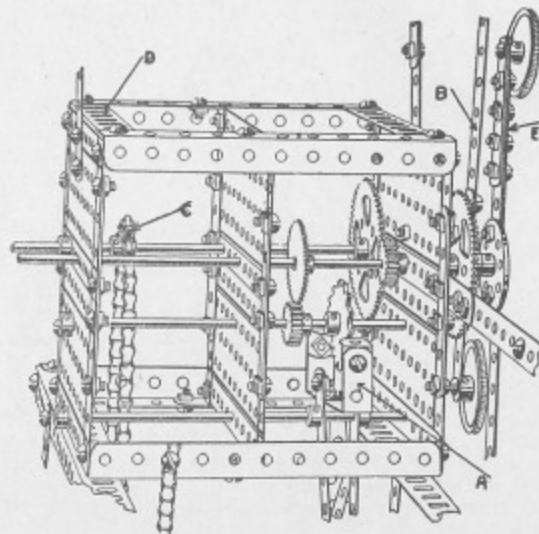
2—1½" Pulleys	6—3" Strips	6—5½" Flat Plates
2—Bush Wheels	23—2½" Strips	2—8" Axle Rods
1—1½" Gear Wheel	29—2" Strips	2—6" Axle Rods
2—2¼" Gear Wheels	22—12½" Angle Girders	1—3½" Axle Rod
3—¾" Pinions	12—5½" Angle Girders	2—2" Axle Rods
17—Collars	32—Angle Brackets	2—4' Chains
34—12½" Strips	1—Large Bent Strip	2—1" Sprockets
72—5½" Strips	4—5½" Angle Strips	1—1½" Sprocket
40—3½" Strips	2—Sector Plates	350—Nuts and Bolts

The Grandfather's Clock is beyond a doubt the most interesting model shown in the book. When properly constructed, it will actually run for two hours with one winding. By means of the gearing used, the hour hand will move from one figure to the next, while the minute hand is making a complete revolution of the face.

The entire mechanism is shown in the detail. The upper and lower framework of this detail is made of four 5½" Angle Girders "D," and these are supported on the sides and in the center by two 5½" Flat Plates, although the center plate can be omitted entirely. The weight is carried by two 1" Sprocket Wheels attached to the Axle at point "C." At the opposite end of this Axle is attached a 2¼" Gear which meshes with the ¾" Pinion. On the same Axle with the ¾" Pinion is mounted a 1½" Gear which meshes with the ¾" Pinion on the escapement Axle. The escapement "A" is made with a Double Bent Strip, at each end of which is attached an Angle Bracket which regulates the escapement in connection with the 1½" Sprocket Wheel. The hour hand "B" is fastened to a 2¼" Gear and meshes with the ¾" Pinion shown on the face of the Clock in the large cut. The Set Screw on this 2¼" Gear should not be fastened so as to allow the Axle Rod supporting the minute hand to move freely. When constructing this model the minute hand should be properly balanced by means of extra Nuts, as shown at point "E." The weight for operating this model is made up of 5½" and 3½" Strips and has a 1" Sprocket mounted in the top of it, around which the Chain passes.

Boys, don't fail to build one of these models.

Details of Clock



The Model shown on this page can be made with The American Model Builder Outfit No. 7, or with No. 6 and No. 6½ Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

OLD DUTCH WINDMILL

Fig. No. 370

The Old Dutch Windmill makes a large, unique model. It is very simple in construction and operates perfectly. The Hexagonal base should be constructed first, using six $12\frac{1}{2}$ " Angle Girders for the uprights, connected at the bottom by $12\frac{1}{2}$ " Strips, and at the top by two $5\frac{1}{2}$ " Strips overlapped one hole. Across the top of this framework construct two parallel girders consisting of one $12\frac{1}{2}$ " and one $5\frac{1}{2}$ " Angle Girders overlapped two holes, and attached to the Strip at the top of the framework by means of Angle Brackets bolted into the 4th hole from each end of the Strips, as shown in the cut just below "A."

These girders support the gear housing as well as the main tower. This tower is made of six upright girders, each composed of two $12\frac{1}{2}$ " Angle Girders overlapped three holes and held apart at the base by two $5\frac{1}{2}$ " Strips overlapped three holes, and at the top by one $5\frac{1}{2}$ " Strip. The bracing of the lower framework, as well as of the main tower is simple, and clearly shown in the cut. The dome is supported by $2\frac{3}{4}$ " Strips extending out from the top of the tower, and fastened by Angle Brackets to the second hole from the top of the six upright girders. The arms of the Windmill are made by using $12\frac{1}{2}$ " Angle Girders along one edge, and $12\frac{1}{2}$ " Strips along the other edge, braced as shown in the cut at "B."

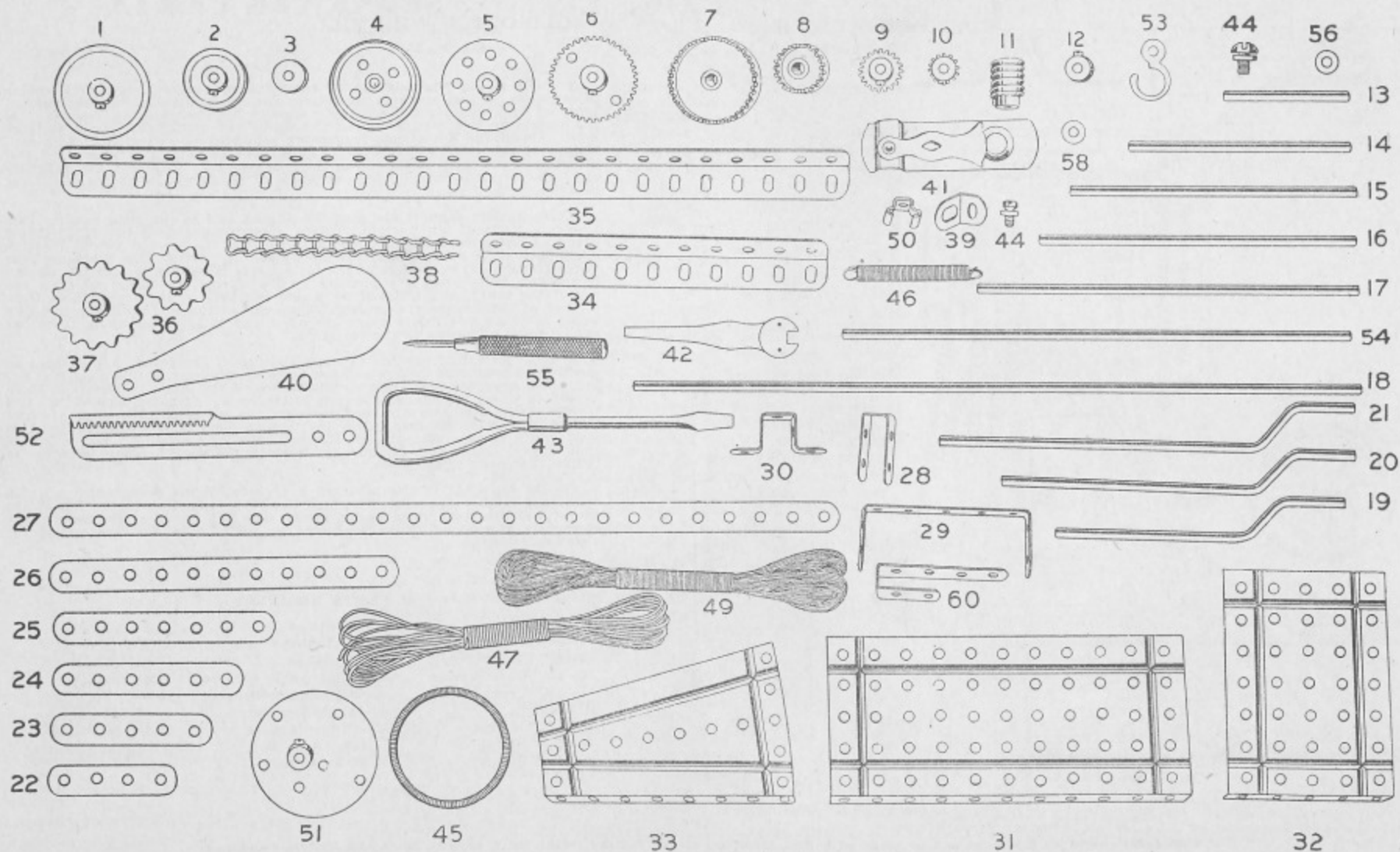
A $11\frac{1}{2}$ " Axle Rod extends through the top of the tower, and is kept in position by means of Collars and Set Screws. The end of this Axle Rod extends far enough beyond the circumference of the dome to receive a Bush Wheel, to which is fastened the ends of the arms. At point marked "C" two Obtuse Angle Brackets are used in each arm so as to give them a slight incline. At point marked "A" a $1\frac{1}{2}$ " Crown Gear is mounted on an Axle Rod, which meshes with the $\frac{3}{4}$ " Pinion in the gear housing. You will note that several Gears and Pinions are used in the gear housing in order to reduce the speed of the arms.

On the Axle "A" is also mounted a Sprocket Wheel from which a Chain runs to a similar Sprocket Wheel on the $11\frac{1}{2}$ " Axle Rod in the top of the tower, which in turn revolves the arms. The two bands at the base of the tower are formed of Strips separated by $2\frac{1}{2}$ " Strips and are merely for ornamentation.

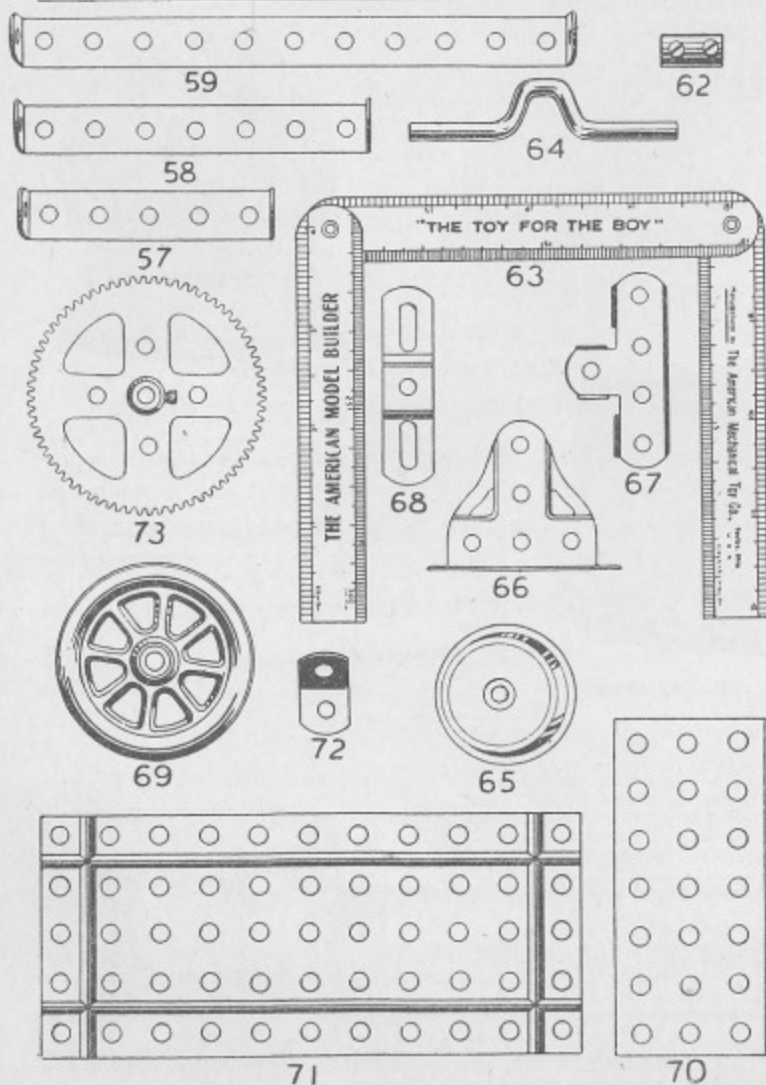
PARTS REQUIRED

1—1" Pulley	10—3" Strips	1—5" Axle Rod
1—Bush Wheel	39— $2\frac{1}{2}$ " Strips	1— $3\frac{1}{2}$ " Axle Rod
3— $\frac{3}{4}$ " Pinions	8—2" Strips	1— $6\frac{1}{2}$ " Crank
2— $1\frac{1}{2}$ " Gear Wheels	23— $12\frac{1}{2}$ " Angle Girders	1—4" Chain
1— $1\frac{1}{2}$ " Crown Gear	12— $5\frac{1}{2}$ " Angle Girders	1— $1\frac{1}{2}$ " Sprocket
12—Collars	40—Angle Brackets	1—1" Sprocket
66— $12\frac{1}{2}$ " Strips	12—Obtuse Angles	2—Large Plates
66— $5\frac{1}{2}$ " Strips	1— $11\frac{1}{2}$ " Axle Rod	462—Nuts and Bolts
12— $3\frac{1}{2}$ " Strips	1—8" Axle Rod	

The Model shown on this page can be made with The American Model Builder Outfit No. 7, or with No. 6 and No. 6 $\frac{1}{2}$ Combined.
HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.



PRICE LIST OF SEPARATE PARTS



No. 1.	1½" Pulley Wheels.....	at 10c Each	No. 37.	1½" Sprocket.....	at 15c Each
No. 2.	1" " " ".....	" 10c "	No. 38.	Chain, 4 ft. Length.....	" 10c "
No. 3.	½" " " ".....	" 05c "	No. 39.	Angle Brackets.....	" 10c Doz.
No. 4.	1½" Flanged Wheels.....	" 15c "	No. 40.	Propeller Blades.....	" 15c Pair
No. 5.	1½" Bush Wheels.....	" 15c "	No. 41.	Ratchet Pawls.....	" 10c Each
No. 6.	1½" Gear Wheels.....	" 15c "	No. 42.	Spanner and Screw Driver.....	" 05c "
No. 7.	1½" Crown Gears.....	" 20c "	No. 43.	Large Screw Driver.....	" 10c "
No. 8.	¾" " " ".....	" 15c "	No. 44.	Nuts and Bolts.....	" 10c Doz.
No. 9.	¾" Pinions.....	" 15c "	No. 45.	Pulley Belts.....	" 05c Each
No. 10.	½" " " ".....	" 10c "	No. 46.	1¼" Springs.....	" 05c "
No. 11.	Worm Wheels.....	" 15c "	No. 47.	Blue Cord, 15 ft.....	" 2½c "
No. 12.	Collars and Set Screws.....	" 05c "	No. 49.	Green Cord, 80 ft.....	" 05c "
No. 13.	2" Axles, rounded ends.....	" 2½c "	No. 50.	Eye Pieces.....	" 2½c "
No. 14.	3½" " " ".....	" 2½c "	No. 51.	Eccentric Wheels.....	" 15c "
No. 15.	4½" " " ".....	" 2½c "	No. 52.	Oscillating Rack.....	" 15c "
No. 16.	5" Axles, rounded ends.....	" 05c "	No. 53.	Hooks.....	" 2½c "
No. 17.	6" Axles, rounded ends.....	" 05c "	No. 54.	8" Axle Rod, rounded ends.....	" 05c "
No. 18.	11½" " " ".....	" 05c "	No. 55.	Knurled Screw Driver.....	" 10c "
No. 19.	4½" Cranks, rounded ends.....	" 05c "	No. 56.	Washer.....	" 10c Doz.
No. 20.	5½" Cranks, rounded ends.....	" 05c "	No. 57.	2½" Angle Strips.....	" 15c ½ Doz.
No. 21.	6½" Cranks, rounded ends.....	" 05c "	No. 58.	3½" " " ".....	" 15c ½ "
No. 22.	2" Perforated Strips.....	" 10c ½ Doz.	No. 59.	5½" " " ".....	" 20c ½ "
No. 23.	2½" " " ".....	" 10c ½ "	No. 60.	Hanger Strip.....	" 05c Each
No. 24.	3" " " ".....	" 10c ½ "	No. 61.	½" Wood Screws.....	" 05c Doz.
No. 25.	3½" " " ".....	" 10c ½ "	No. 62.	Shaft Connector.....	" 10c Each
No. 26.	5¼" " " ".....	" 15c ½ "	No. 63.	12" Rule.....	" 10c "
No. 27.	12½" " " ".....	" 25c ½ "	No. 64.	Engine Crank.....	" 05c "
No. 28.	Single Bent Strips.....	" 05c Each	No. 65.	Car Wheel.....	" 05c "
No. 29.	Large Bent Strips.....	" 05c "	No. 66.	Truck Frames.....	" 2½c "
No. 30.	Double Bent Strips.....	" 05c "	No. 67.	"T" Strips.....	" 2½c "
No. 31.	Large Rectangular Plates.....	" 10c "	No. 68.	Bolster Plates.....	" 2½c "
No. 32.	Small Rectangular Plates.....	" 10c "	No. 69.	Auto Wheels.....	" 10c "
No. 33.	Sector Plates.....	" 10c "	No. 70.	3½" Flat Plate.....	" 05c "
No. 34.	5½" Angle Girders.....	" 20c ½ Doz.	No. 71.	5½" " " ".....	" 05c "
No. 35.	12½" " " ".....	" 25c ½ "	No. 72.	Obtuse Angle.....	" 10c Doz.
No. 36.	1" Sprocket.....	" 15c Each	No. 73.	2¼" Gear Wheel.....	" 20c Each
			No. 77.	Instruction Book No. 1.....	" 10c "
			No. 78.	Complete Manual of Instruction.....	" 25c "
			No. 79.	Set Screws.....	" 10c Doz.

Any of these parts can be secured from dealers handling AMERICAN MODEL BUILDER outfits at the above prices.

When separate parts are ordered DIRECT FROM THE FACTORY, 10% must be added to the above prices to cover postage.

When orders for separate parts amount to \$3.00 or more, we will prepay transportation charges anywhere in the United States.

The parts illustrated on this page are entirely new and are only included in the 1915 American Model Builder outfits.



MOTOR Style No. 100

MOTOR Style No. 100

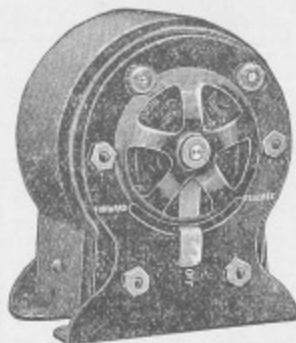
This Motor has been especially designed for operating the models built with the American Model Builder in connection with our Geared Countershaft No. 350. The Motor can be run from one or two dry cells or from city current through our No. 400 or No. 410 Transformer. It is made of steel, with bronze bearings throughout and is high grade in every respect. It stands $3\frac{1}{2}$ " high and has a three-pole armature $1\frac{3}{4}$ " in diameter. It will run smoothly and wear indefinitely with just an occasional oiling. The base is flanged and perforated so it can easily be mounted on a Rectangular Plate. This Motor is equal to any Motor on the market of double its price.

Price, complete\$1.00
For free delivery anywhere in U. S. A., add..... .10

MOTOR Style No. 150

Our No. 150 Motor is an exact duplicate of our No. 100 Motor, except that it is equipped with a switch, mounted on the inside of the Motor, which enables the operator to Start, Stop and Reverse the Motor without disconnecting the wires. The base is flanged and perforated so it can be mounted on a Rectangular Plate. This Motor is capable of operating any model made with The American Model Builder Outfits, when used in connection with our No. 350 Countershaft.

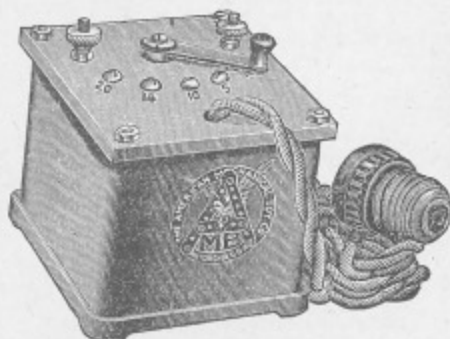
Price, complete\$1.50
For free delivery anywhere in U. S. A., add..... .10



MOTOR Style No. 150

The No. 410 Transformer is designed especially for operating Electric Trains, Merry-Go-Rounds, Machine Shops, Etc. It is 50-Watts capacity and will not be injured by short circuits. By means of the Rheostat at the top of the Transformer, 4, 6, 10, 14 or 20 volts can be secured. IT IS DESIGNED FOR USE ONLY WITH ALTERNATING CURRENT—110 to 125 volts.

Price\$4.00
For free delivery anywhere in U. S. A., add .25



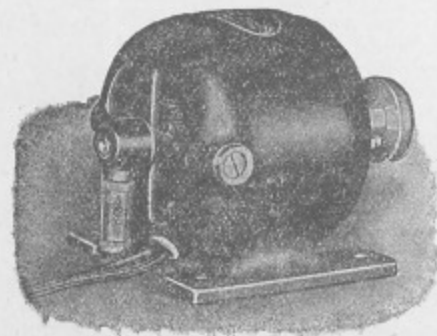
No. 410 TRANSFORMER



No. 400 TRANSFORMER

The No. 400 Transformer will entirely displace the use of storage batteries and dry cells and will operate any electrical toys not requiring over 9 volts. It is equipped with three binding posts and is $4\frac{1}{2}$ " long, $3\frac{3}{4}$ " wide and 3" high, and weighs 5 pounds. This Transformer is 50-Watts capacity and will carry a 50% overload. It is furnished with flexible cord and plug for attachment direct to a lamp socket. Will give either 3, 6, or 9 volts as desired. IT IS DESIGNED ONLY FOR USE WITH ALTERNATING CURRENT—110 to 125 volts.

Price\$3.00
For free delivery anywhere in U. S. A., add .25



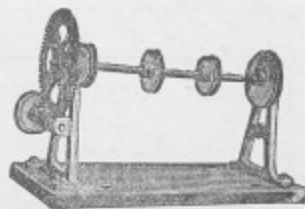
UNIVERSAL MOTOR, Style No. 325

Our No. 325 Universal Motor develops $\frac{1}{100}$ H. P. and can be connected direct to either 110 Volts DIRECT or ALTERNATING current. Dry cells, Storage Batteries or Transformers are entirely unnecessary. It is strong, powerful, compact and efficient and embodies the very best materials and workmanship and is built with the same degree of accuracy as a 100 H. P. Motor. It stands $3\frac{1}{2}$ " high, $3\frac{3}{4}$ " in diameter, $\frac{1}{4}$ " shaft measurement, and weighs 5 pounds. It is complete, ready for attachment to any lamp socket. Lubrication is automatic. It is a fine Motor for the boy who has a workshop and wishes to run small pieces of machinery.

Price\$10.00
For free delivery anywhere in United States, add..... .25

The No. 350 Countershaft will enable the owner of a small Motor to operate two or more models at the same time. It is especially designed for operating American Model Builder models. The power of the Motor is increased seventy times, which makes it possible to pull heavy loads without stalling the Motor. The Shaft has cast iron hangers, $\frac{3}{8}$ " Axle, which is supplied with three 1" Pulleys and one $1\frac{1}{2}$ " Pulley, all of which are adjustable on the Shaft. It is mounted on a black enameled steel base.

Price, complete\$.50
For free delivery anywhere in United States, add..... .10

No. 350
WORM-DRIVEN COUNTERSHAFT

HALF THE FUN IS BUILDING THE MODELS—THE OTHER HALF IS OPERATING THEM WHEN COMPLETED.

Price List Of Outfits

REGULAR OUTFITS

No. 0	American Model Builder Outfit	-----	will build 105 Models	-----	.50
No. 1	American Model Builder Outfit	-----	“ “ 173	-----	1.00
No. 2	American Model Builder Outfit	-----	“ “ 231	-----	2.00
No. 3	American Model Builder Outfit	-----	“ “ 269	-----	3.00
No. 4	American Model Builder Outfit including No. 100 Motor	-----	“ “ 309	-----	5.00
No. 5	American Model Builder Outfit	“ “ 150	“ “ 334	-----	7.50
No. 6	American Model Builder Outfit	“ “ 150	“ “ 349	(Packed in Heavy Cardboard Box) -----	12.50
No. 6	American Model Builder Presentation Outfit	(Including No. 150 Motor)	“ “ 349	(Packed in a Quartered Oak Box, Mission Finish) -----	15.00
No. 7	American Model Builder Presentation Outfit	(Including No. 150 Motor)	“ “ 365	(Packed in a Mahogany Box) -----	25.00

ACCESSORY OUTFITS

No. 0½	American Model Builder Accessory Outfit	(Containing Sufficient Parts to Convert a No. 0 Outfit into a No. 1 Outfit)	-----	.50
No. 1½	American Model Builder Accessory Outfit	(Containing Sufficient Parts to Convert a No. 1 Outfit into a No. 2 Outfit)	-----	1.00
No. 2½	American Model Builder Accessory Outfit	(Containing Sufficient Parts to Convert a No. 2 Outfit into a No. 3 Outfit)	-----	1.00
No. 3½	American Model Builder Accessory Outfit	(Containing Sufficient Parts to Convert a No. 3 Outfit into a No. 4 Outfit) (No. 100 Motor included in this Outfit)	-----	2.00
No. 4½	American Model Builder Accessory Outfit	(Containing Sufficient Parts to Convert a No. 4 Outfit into a No. 5 Outfit)	-----	2.50
No. 5½	American Model Builder Accessory Outfit	(Containing Sufficient Parts to Convert a No. 5 Outfit into a No. 6 Outfit)	-----	5.00
No. 6½	American Model Builder Accessory Outfit	(Containing Sufficient Parts to Convert a No. 6 Outfit into a No. 7 Outfit)	-----	10.00

NOTE.— Any Regular Outfit can be converted into the next larger Outfit by the addition of the Accessory Outfit bearing the half size. For example, a No. 1½ Accessory Outfit added to a No. 1 will convert a No. 1 into a No. 2; a No. 2½ will convert a No. 2 into a No. 3, and so on.

Any of the above Outfits can be secured from your dealer at prices shown. Where Outfits are ordered direct from the factory, the following amounts must be added to cover packing, insurance and free delivery: REGULAR OUTFITS—No. 0, 10c; No. 1, 15c; No. 2, 25c; No. 3, 35c; No. 4, 35c; No. 5, 50c; No. 6, 75c; No. 7, \$1.00. ACCESSORY OUTFITS—No. 0½, 10c; No. 1½, 15c; No. 2½, 25c; No. 3½, 25c; No. 4½, 25c; No. 5½, 35c; No. 6½, 75c.

If your remittance does not include the amounts specified for free delivery, shipment will be made Express Collect.

LIST OF PRIZE WINNERS IN THE 1915 CONTEST

1—RAYMOND EICHNER	1541 Mulberry St.	Reading, Pa.	51—LEROY HINTGREN	222 Oak St.	Wahpeton, N. D.
2—KENNETH McCROADY	1133 Ford Ave.	Youngstown, Ohio	52—RAYMOND TANGEMAN		Coldwater, Ohio
3—RICHARD FAIR	165 E. Wylie Ave.	Washington, Pa.	53—ROBT. C. HOERMSBY, Jr.		Athens, Tenn.
4—R. A. MYERS, Jr.	317 Allen St.	Dayton, Ohio	54—O. E. BENTLEY	775 Lilly Ave.	Columbus, Ohio
5—WM. J. MORTON, Jr.	407 N. Washington St.	Alexandria, Va.	55—ROBT. MAGOWAN	5831 Chester Ave.	Philadelphia, Pa.
6—WILBERT SCHWER	336 Washington St.	Sandusky, Ohio	56—FRASER WILSON	1648 Gravelly St.	Vancouver, B. C., Can.
7—GEO. CLINCHY	1710 Cruger Ave.	New York City	57—CLARENCE HUGHES	235 S. 2nd St.	Steelton, Pa.
8—JOSEPH KABERNA	6450 S. Carpenter St.	Chicago, Ill.	58—JAMES DUNCAN	3457 Ward St.	Pittsburg, Pa.
9—J. LEWIS MUNGER	201 S. Nottawa St.	Sturgis, Mich.	59—ROBT. E. BLACKFORD	832 Maple Ave.	Newport, Ky.
10—HOWARD HANG	872 First Ave.	New York City	60—ROGERS CANDER		Wells, Minn.
11—CARL F. LUDWIG	111 Nixon St.	Cincinnati, Ohio	61—ROBT. CAIRNS, Jr.	1100 Dunlap Ave.	Menominee, Mich.
12—WM. ECKEL	215 Olean Ave.	Jersey City, N. J.	62—MYRON B. ALLEN	598 W. Main St.	Muncie, Ind.
13—EMIL HAURY		Newton, Kansas	63—BOYD SNYDER	911 Putnam Ave.	Zanesville, Ohio
14—STACEY G. SWIFT	60 Summit Ave.	Providence, R. I.	64—WORTH EGELSTON		Alma, Neb.
15—SAMUEL YOST	520 First St.	Shamokin, Pa.	65—HARRY FRANK	1737 Monroe Ave.	Reading, Pa.
16—CECIL RHODES	405 S. 9th St.	Esterville, Iowa	66—J. EARL FEHL	725 Walnut St.	Reading, Pa.
17—KATHRYN A. BOLAND	66 S. Washington St.	Wilkes-Barre, Pa.	67—HAROLD SPANGENBERG	1310 Ban Buren St.	St. Paul, Minn.
18—WILLARD THUMA		Jamestown, Ohio	68—LEWIS W. MASTER	205 S. Kreitzer Ave.	Bloomington, Ill.
19—RUSSELL C. HECKEL	978 E. Rich St.	Columbus, Ohio	69—ROBT. DICKINSHEETS	44 High St.	Dayton, Ohio
20—VERNON PALEN	500 Pearl St.	Sparta, Wis.	70—HUGH McLEAN	346 Redwood Ave.	Winnipeg, Man., Can.
21—CHAS. NELSON SMITH	Camp Nelson	Springville P. O., Cal.	71—W. P. BOYER	11 Gaskill St.	Pittsburg, Pa.
22—RICHARD STENGEL	215 Clinton St.	Dayton, Ohio	72—KENNETH CALHOUN	Box 115	Bottineau, N. D.
23—EDWARD SUSICK		Warren, Mich.	73—ELEANOR WOODRING	2317 Sue St.	Sacramento, Cal.
24—CASPER WALLER	703 Danforth St.	Syracuse, N. Y.	74—CHAS. H. WINDSOR		Palmira, N. J.
25—GEORGE McALLISTER	827 N. Meridian	Marion, Ind.	75—DONALD F. LUCAS	444 N. Madison Ave.	Pasadena, Cal.
26—DUNBAR F. SANTON	414 Carrington St.	Waupun, Wis.	76—RICHARD C. HENDERSON	123 Woodside Place	Ft. Thomas, Ky.
27—L. K. MINSON	94 Milton St.	Brooklyn, N. Y.	77—H. RAYMOND STITELY		Penns Station, Pa.
28—H. GRZEGORZEWSKY	40 Armadillo St.	Dunkirk, N. Y.	78—FREDERICK DOWNING		Cartersville, Mo.
29—EDWARD LOEHNDORF	98 Hadley St.	Milwaukee, Wis.	79—EVERETT A. FREEMAN	375 S. Orange Ave.	Newark, N. J.
30—HOWARD JONES	231 N. Main	Pittston, Pa.	80—CLIFFORD WAGNER	656 E. Chestnut St.	Lancaster, Ohio
31—LOWELL H. OREBAUGH		Marathon, Ohio	81—EARL MILLER	200 Perry St.	Defiance, Ohio
32—PAUL SPECKBAUGH	2013 Clarion Ave.	Cincinnati, Ohio	82—EDMUND FINAN	8 Ross Ave.	Nyack, N. Y.
33—CHAS. LEACH		LeMoyne, Pa.	83—CLIFFORD MITCHELL	536 E. Grand Ave.	Decatur, Ill.
34—EMMETT W. BRYAN		Vicksburg, Miss.	84—MARTIN FIXLER	236 N. Cicero Ave.	Chicago, Ill.
35—CARROLL B. WOLFE	308 S. Superior St.	Angola, Ill.	85—JUDSON E. LEACH	203 Mill St.	Ocean Park, Cal.
36—HAROLD WHITMORE	726 Superior Ave.	Dayton, Ohio	86—ALPHONSO MADRU	138 S. Mulberry St.	Chillicothe, Ohio
37—ERNEST DOSCHER		St. Ansgar, Iowa	87—F. HAROLD STANGEE	3849 Evergreen Rd.	Pittsburg, Pa.
38—ERNEST STARK	2822 Eads Ave.	St. Louis, Mo.	88—RUSSELL ILIFF	424 E. Penn St.	Hoopeston, Ill.
39—EDWARD B. ARRANTS	3215 Morrison Ave.	Houston, Texas	89—MARTIN J. COLE	815½ Teighman St.	Allentown, Pa.
40—RICHARD BOYINK	409 Harbor St.	Conneaut, Ohio	90—STANLEY PAUL	516 Reynolds Ave.	McKeesport, Pa.
41—MISS DOROTHY ELLIOTT	2513 Cullom Ave.	Chicago, Ill.	91—JEAN COOK	124 W. 5th St.	Michigan City, Ind.
42—JARVIS MOSES		Fowler, Colo.	92—GEO. J. HUTZLER	3056 Third Ave.	New York City
43—ROLLIN H. MILLER	319 Muir Ave.	Hazleton, Pa.	93—FREDERICK VEITH		Fowlerville, Mich.
44—DAVID LIVINGSTON	101 Iowa Ave.	Washington, Iowa	94—GORDON M. WILLOUGHBY		Penzance, Sask., Can.
45—ELBERT E. HOLMES	80 Arlington Ave.	Ottawa, Ont., Can.	95—C. PLAMBECK	4013 N. Whipple St.	Chicago, Ill.
46—WM. WAGNER	938 S. 19th St.	Newark, N. J.	96—DARRELL KESSLER	159 E. Cameron St.	Shamokin, Pa.
47—VICTOR K. LANGHART	614 S. Soles St.	McKeesport, Pa.	97—CLARK HEISS		Jerome, Idaho
48—ARTHUR VIEBROCK	212 Warren St.	Jersey City, N. J.	98—GEO. BERRY	924 Delaware Ave.	Ft. Wayne, Ind.
49—WELLS B. CLEVELAND	7005 Yale Ave.	Chicago, Ill.	99—ELLSWORTH PIERCE	1520 Cleveland Ave.	Canton, Ohio
50—BARRY DAVIS		Santa Ana, Cal.	100—R. WADE SENIFF		Pittsfield, Ill.

TESTIMONIALS

"DELIGHTED—ALL OTHER TOYS CAST ASIDE"

63 Young St., Plattsburg, N. Y., Jan. 12, 1915.

Gentlemen:

I bought one of your American Model Builder Outfits last week and my little boy is delighted with it. All other toys have been cast aside, and the American Model Builder takes their place.

MRS. GEO. G. FITZPATRICK.

"HARDLY TAKES TIME TO EAT"

Niagara on the Lake, Ont., Canada, Dec. 25, 1914.

Gentlemen:

I bought a No. 2 American Model Builder Outfit for my boy, and must say that it is the most instructive, durable and delightful toy I ever saw. My boy is working overtime with it, and hardly takes time to eat. I want a No. 2½ Accessory Outfit for him. Please let me know where I can get it.

LOUIS MAURER.

"SICK IN BED—"I THINK IT HELPED ME GET WELL"

Eureka, Ill., Dec. 26, 1914.

Last summer when I was just getting over the typhoid fever one of my friends sent me an American Model Builder to play with. The doctor made me stay in bed all the time, but I had them put the Outfit on my bed, and there I built models the whole day long.

I think it helped me get well. Afterwards when I got well, papa bought me a set, and I am now busy all the time. With my American Model Builder in front of me, I believe that I am the keenest, brightest and happiest boy living.

I think the American Model Builder is the most wonderful toy ever invented for boys. I have seen a good many other similar toys, but I think that the American Model Builder beats them all. It is built on correct engineering principles.

CARROLL SMITH.

"HAD A GRAND TIME WITH IT"

600 E. 3rd St., Newton, Kans., Jan. 23, 1915.

I got a No. 2 American Model Builder set for Christmas, and also a \$1.00 bill, so I immediately bought an Accessory Outfit No. 2½ of the American Model Builder.

I have had a grand time with it and think that it is the best toy there is. I have a neighbor boy friend who has a set something like mine, but he would rather have mine because the other set is made out of tin, and yours is made out of steel.

E. LAWRENCE COBLE.

"THE MOST UP-TO-DATE AND SYSTEMATICALLY MADE ARTICLE"

Shamokin, Pa., Jan. 10, 1915.

I have a No. 4 American Model Builder Outfit and expect to get a No. 4½, 5½ and 6½ Accessory sets so as to make me a No. 7, this coming Christmas.

I want to say that you have the most up-to-date and systematically made article of the kind on the market.

CHAS. P. HELFENSTEIN.

"THINKS IT A WONDER—BEATS ANYTHING ELSE I KNOW OF"

Rushville, Ill., Dec. 8, 1914.

I have had my American Model Builder two years, and think it is a wonder. It beats the Meccano, the Erector and anything else that I know of. I have had fine success with my No. 4 Outfit. It is some toy.

PAUL WILLARD.

"BEST OUTFIT OF ITS KIND FOR THE MONEY"

R. F. D. 5, Box 180 B.

San Antonio, Texas, Jan. 11, 1914.

I bought one of your No. 3 American Model Builder Outfits and like it fine. I think it is the best Outfit of its kind for the money that is on the market.

TED POSEY.

"INSTRUCTIVE AS WELL AS AMUSING"

Antigo, Wis., Route 3, Dec. 24, 1914.

I believe the American Model Builder is the greatest toy on earth, and instructive as well as amusing. Our boy has played with a No. 2 set since last Christmas, and has never tired of it. This year he will have two Accessory Outfits, and is more interested in them than when he first got the No. 2.

MRS. R. T. BONNEK.

"GIVES GENUINE PLEASURE, KNOWLEDGE AND A MECHANICAL EDUCATION"

Box 256, Trafford, Pa., Nov. 30, 1914.

Just one year ago I purchased one of your Motors for an American Model Builder No. 4 for my boy for a Christmas gift, and it has given him such genuine pleasure, knowledge and a mechanical education that we will have to have some additional parts for next Christmas. You are surely doing a fine work for the boys all over the country.

O. M. KIMMELL.

"SPENDS HOURS ON IT"

1100 W. Walnut St., Massillon, Ohio, Oct. 9, 1914.

My boy likes his American Model Builder very much. He can spend hours on it, which is more than I can say for anything else that we have bought for him.

MRS. JOHN O. HOSE.

"WOULD NOT SELL IT FOR TEN TIMES ITS PRICE"

Marion, Ind., Sept. 20, 1914.

I wish to say that the American Model Builder is the best toy for the boy of today. It is not a plaything for a small boy, but for men as well, as it is a very instructive toy, and I would not sell it for ten times the price I paid for it, if I thought that I couldn't get another one.

LESTER C. REED.

"AMERICAN MODEL BUILDER GREATEST THING EVER INVENTED FOR THE BOYS"

110 Berlin St., Buffalo, N. Y., Jan. 17, 1914.

We have a No. 4 American Model Builder Outfit, which I chose for my boy after looking over several catalogs and visiting various stores. Since Christmas about the only toy (not a toy, but a mechanical invention) he has

played with, has been his American Model Builder, and always when I am at home it's "Come, pa, let's build."

I believe that the American Model Builder Sets are the greatest thing ever invented for the boys, and sometimes the daddies, too.

NORMAN J. BURNS.

"NOT MERELY A TOY, BUT SOMETHING THAT WILL INSTRUCT"

173 Pearl Ave., Salt Lake City, Utah, Jan. 30, 1915.

I have an American Model Builder No. 6 and I can truly say that it is the best thing I have ever seen in lines of amusement for the boy. With it one can spend hours building all of the great mechanical devices.

It is not merely a toy, but something that will instruct as well as amuse the one using it. I have a little brother who takes a keen interest in the models that I build. I get as much pleasure in watching him build as I do in building the models myself.

DORAL CUTLER.

"\$23.00 WORTH FOR \$3.00"

165 E. Wylie Ave., Washington, Pa., April 22, 1915.

Christmas, 1913, I bought for my boys, Richard and Emory, The American Model Builder Outfit No. 3, at a cost of \$3.00, with which Richard won the 9th prize in the 1914 Contest—one No. 5 Outfit worth \$7.50.

This year, 1915, Richard wins the 3rd prize—one No. 6 Outfit packed in a cardboard box, worth \$12.50.

\$3.00, \$7.50 and \$12.50 = \$23.00 worth for \$3.00—(Not a bad investment, is it?)—is the most profitable thing I have ever got for the boys. They hardly ever think of building the models in the book. Are always building new models of everything they see.

Now, every boy that has one of the American Model Builder Outfits has the same chance and I think they should have the encouragement by getting them the best that money can buy.

JOS. R. FAIR.

"MAKES MODELS OF HIS OWN INVENTION"

Pine Island, Minn., April 26, 1915.

I love my No. 3 American Model Builder Outfit, which I bought three months ago. I built about all the models in the book, and then began making models of my own invention. My boy friends all like my set better than theirs. One boy liked my set so well that he bought one like it.

FRANCIS L. REITER.

"AMERICAN MODEL BUILDER COMES FIRST"

Latty, Ohio, Sept. 14, 1914.

My boy has lots of playthings, but of all I think his American Model Builder comes first. I hope to be able to add the rest of the sets before long.

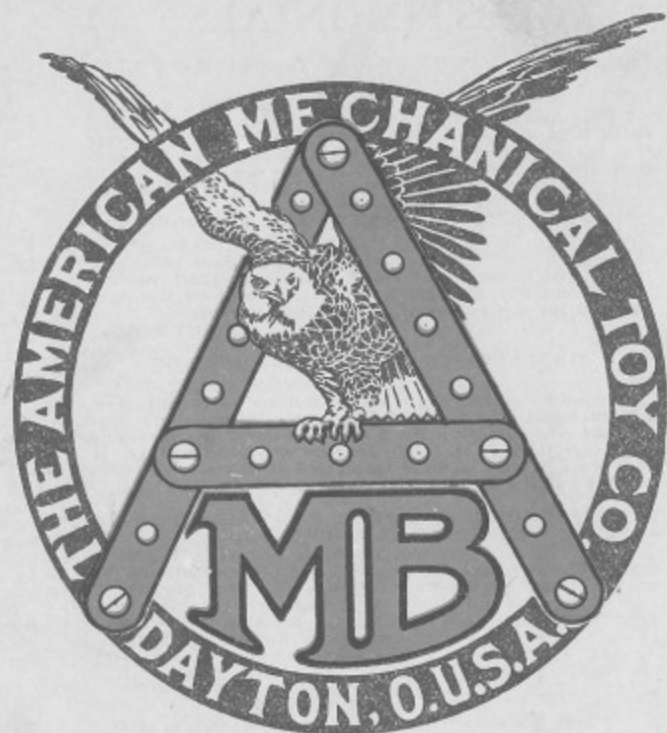
MRS. O. O. RUSSELL.

"NEVER HAD SO MUCH FUN"

Harper, Kans., March 24, 1915.

I have a No. 1 American Model Builder Outfit and I am 12 years old. I never had so much fun out of anything as I have out of this. I can't call it a toy, because it is more than a toy to me. It is strong and stands any kind of strain. It is instructive and very entertaining.

WAVLY STEARMAN.



TRADE MARK

Look for this Trade Mark on the lid of every box as well as the outside cover of your Instruction Book.

This is your protection against unsatisfactory substitutes.

The American Mechanical Toy Co.