



The **AMERICAN MODEL BUILDER**

INSTRUCTION BOOK FOR OUTFIT No. 0

Contains full description of all

Models that can be built with

Outfit No. 0, of The American Model Builder

PATENTED IN CANADA
JULY 29, 1913

U. S. PATENT APPLIED FOR

Manufactured by The American Mechanical Toy Co., Dayton, Ohio, U.S.A.

MADE IN U.S.A.

The AMERICAN MODEL BUILDER

MAKES MECHANICS EASY

WORKING MODELS OF THE WORLD'S MECHANICAL
WONDERS CAN BE BUILT BY ANY BOY—THE MOST
FASCINATING AND INSTRUCTIVE OUTFIT EVER INVENTED

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

Copyright, 1914-1916, in U. S. A.
The American Mechanical Toy Company

The American Model Builder

To Strengthen the Mind is to Exercise not Rest—Pope



THE AMERICAN MODEL BUILDER is designed to teach the boy the first steps in practical mechanics. Each part in this outfit is a miniature machine part, made of steel and brass, heavily nickel-plated and polished. This makes the outfit practically indestructible.

Each Pulley, Flanged and Grooved Wheel, Gear, Pinion, Bush Wheel, Eccentric Drive Wheel and Sprocket is equipped with a brass collar and case-hardened set screw which provides a positive fastening when used in any of the working models.

The beginner is advised to familiarize himself with the various parts and their names; then start to erect all the Models, beginning with Figure No. A, and take them in regular rotation until the capacity of his wit is exhausted.

The American Model Builder is made in eight regular progressive sets, numbered from 0 to 7, as shown on page 54. The outfits numbered from 0½ to 6½ are Accessory Sets, and should only be purchased in enlarging the regular sets. If you possess a No. 0 Outfit, the purchase of a No. 0½ Accessory Set will supply sufficient parts to convert a No. 0 into a regular No. 1 set. The No. 1½ Accessory Outfit contains enough parts to convert a No. 1 into a regular No. 2 set, and so on. We recommend the purchase of Accessory Outfits as the boy's knowledge increases. They are furnished in a neat cardboard box, where all the parts may be kept when not in use. However, individual parts may also be purchased separately at the prices shown on page 23.

We have designed a special Motor, Transformer and Countershaft for boys desiring to operate their models by Electricity. These are by far the most efficient small devices ever offered the public, and a full description will be found on page 22.

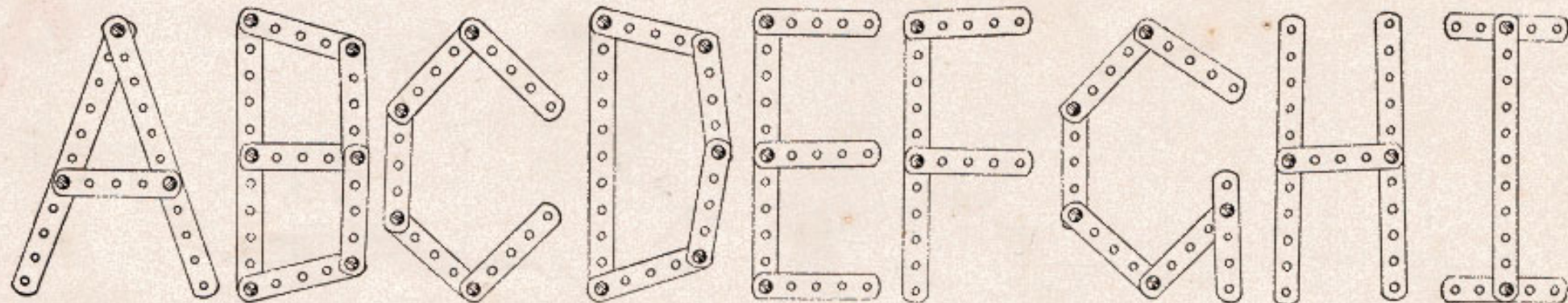
We maintain an Experimental Department at our factory where new designs and models are constantly made. We want your name and address, as well as the number of your Outfit, so that we can keep you advised from time to time of any new Models that can be built with your American Model Builder Outfit. Please fill in the blank postcard which is enclosed in your Outfit and mail to us for this purpose.

The charm and instruction in these Outfits lies in the building of original Models. To encourage inventive genius, we offer \$500.00 worth of sets as prizes for the best original Models submitted to us by April 1, 1917. In order to compete for these prizes, it is necessary to send us a photograph or sketch of any new Model built, stating the number of the Outfit with which it was made. These Models will then be submitted to three members of the Board of Directors of the Y. M. C. A. of Dayton, Ohio, and the awards made by them between April 15 and May 1, 1917.

We want every user of the American Model Builder to feel free to write us at any time when difficulties arise in the building of Models, and we will gladly give our suggestions and help.

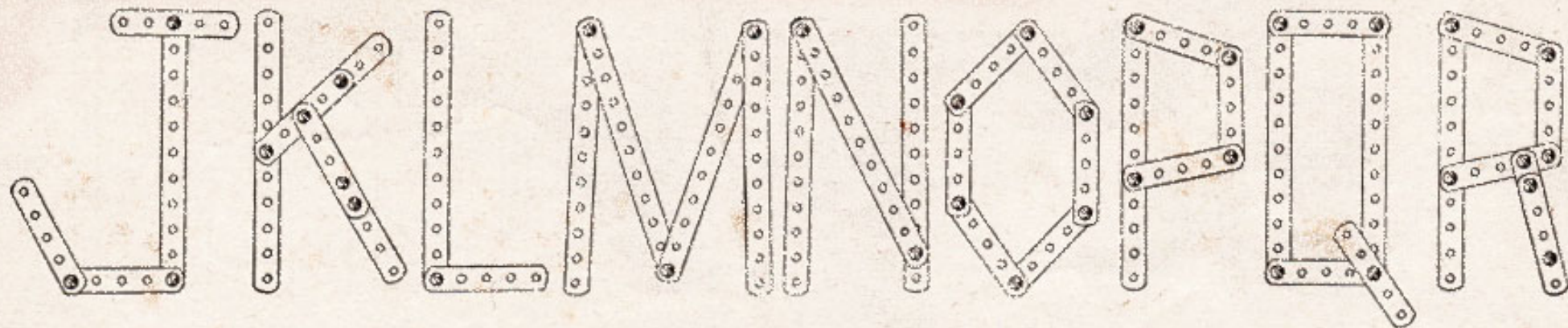
THE AMERICAN MECHANICAL TOY COMPANY

DAYTON, OHIO, U. S. A.



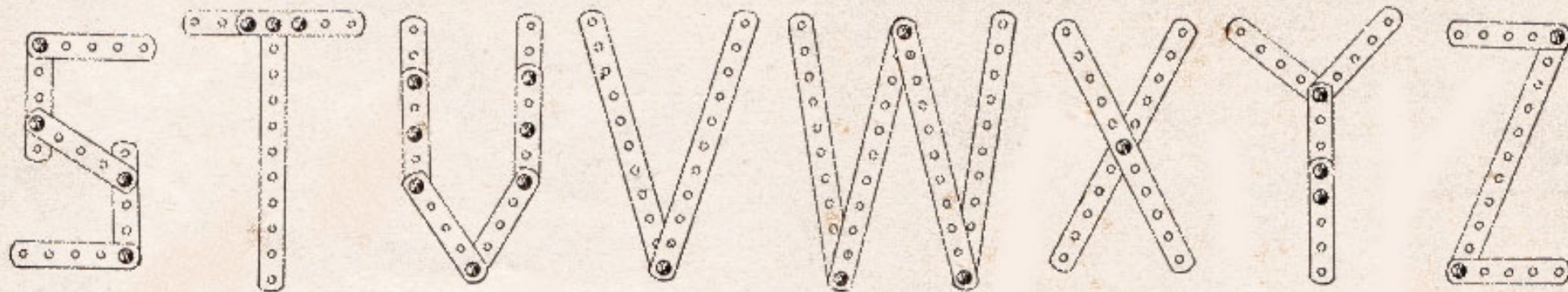
Parts Required	A	B	C	D	E	F	G	H	I
5½" Perf. Strips.....	2	1	..	1	1	1	..	2	1
2½" " "	1	5	5	4	3	2	4	1	2
Nuts and Bolts.....	3	6	4	5	3	2	5	2	2

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit No. 0.



Parts Required	J	K	L	M	N	O	P	Q	R
$5\frac{1}{2}$ " Perf. Strips.....	1	1	1	4	3	..	1	2	1
$2\frac{1}{2}$ " " "	3	4	1	..	..	6	3	3	3
Nuts and Bolts.....	3	5	1	8	2	6	4	4	7

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit No. 9.



Parts Required	S	T	U	V	W	X	Y	Z
5 1/4" Perf. Strips.....	..	1	..	2	4	2	..	1
2 1/2" " "	5	2	6	..	..	..	4	2
Nuts and Bolts.....	4	3	5	1	3	1	3	2

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit No. 0.

PISTOL
Fig. No. 01

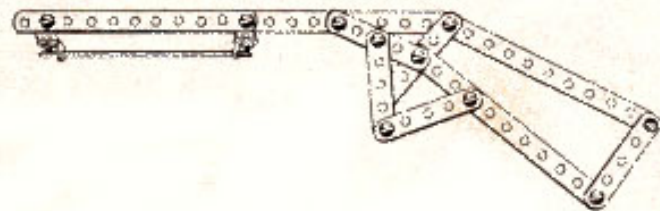
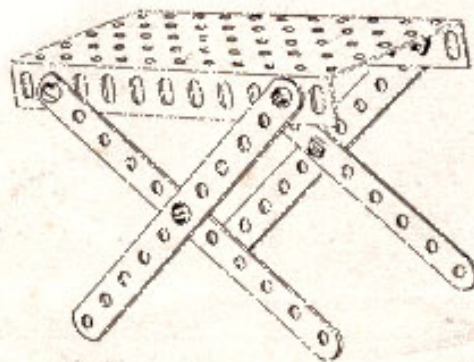
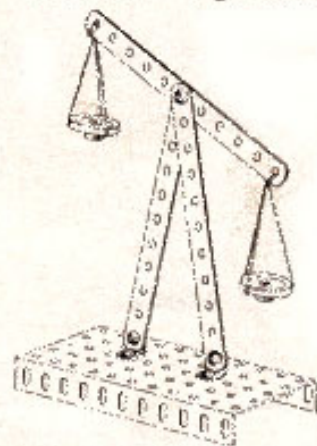


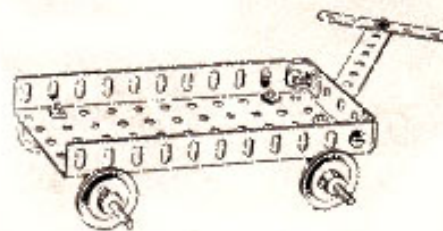
TABLE
Fig. No. 02



SCALES Fig. No. 03



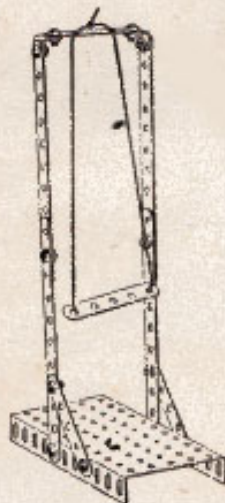
FLAT TRUCK
Fig. No. 04



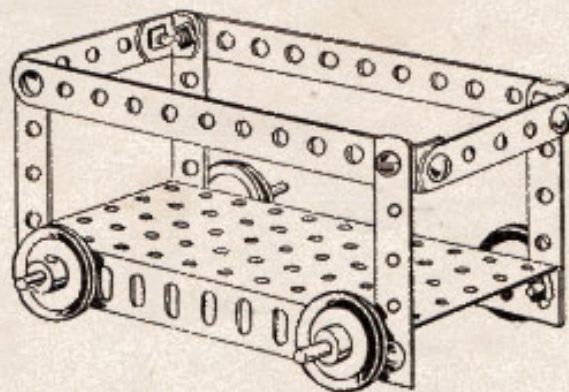
Parts Required	5/16" Perf. Strip	3/16" Perf. Strip	Rect. Plate	Pulley Wheel	1/2" Axle Rod	Angle Brackets	Nuts and Bolts
Pistol	4	5	..	..	1	4	12
Table	4	..	1	..	..	..	6
Scales	3	..	1	2	..	2	5
Flat Truck	1	2	1	4	2	6	10

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit No. 0.

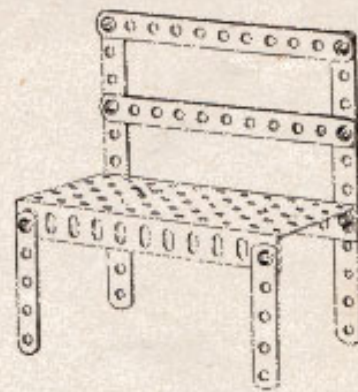
SWING
Fig. No. 05



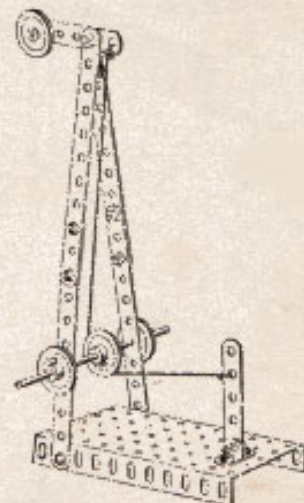
BOX TRUCK Fig. No. 06



SETTEE Fig. No. 07



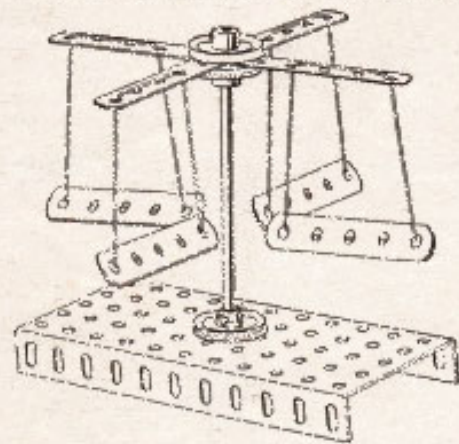
RAILWAY SIGNAL
Fig. No. 08



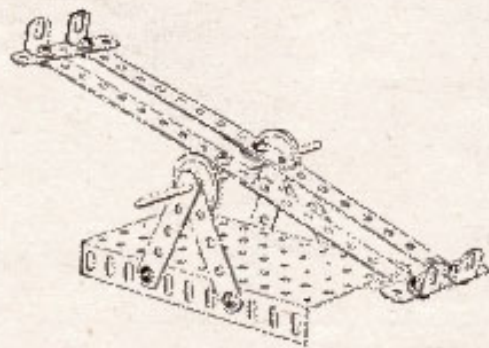
Parts Required	5 1/2" Perf. Strip	2 1/2" Perf. Strip	Rest. Plate	Pulley Wheel	4 1/2" Axle Rod	Angle Brackets	Nuts and Bolts
Swing	4	4	1	..	..	2	12
Box Truck.....	2	6	1	4	2	4	12
Settee	4	2	1	..	..	..	8
Railway Signal.....	4	2	1	4	1	2	11

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit No. 0.

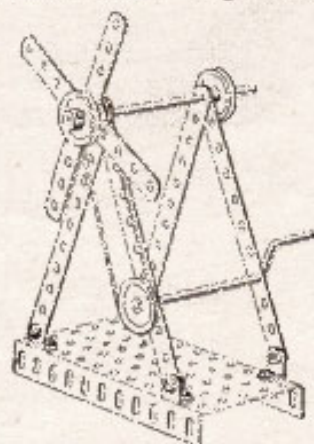
CIRCULAR SWING. Fig. No. 09



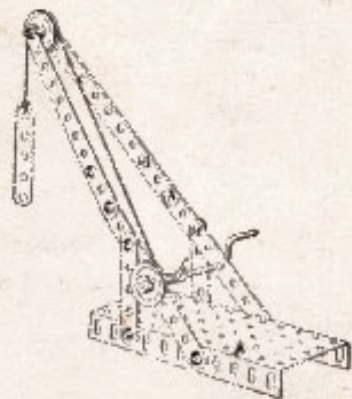
TEETER
Fig. No. 010



WIND MILL Fig. No. 011

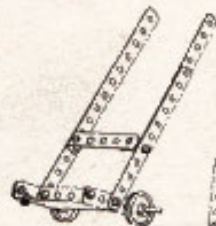


HOISTING DERRICK
Fig. No. 012



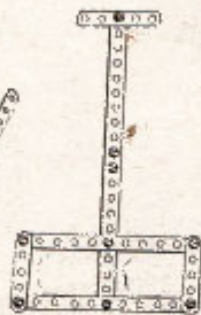
Parts Required	5 1/2" Perf. Strip	2 1/2" Perf. Strip	Rect. Plate	Pulley Wheel	1/2" Axle Rod	Angle Bracket	Nuts and Bolts	1/2" Crank
Circular Swing....	2	4	1	4	1	..	..	..
Teeter	4	6	1	2	1	6	10	..
Wind Mill	4	4	1	4	1	4	8	1
Hoisting Derrick ..	4	2	1	2	..	..	12	1

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit No. 0.



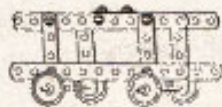
TRUCK

Fig. No. 013



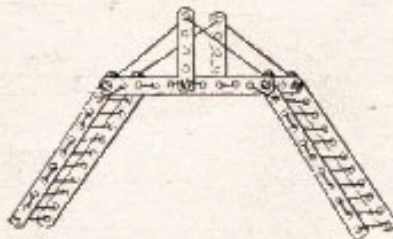
SHOVEL

Fig. No. 014



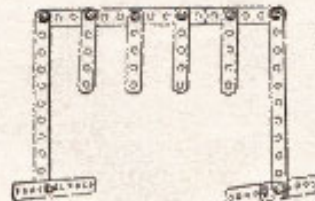
FACTORY
TRUCK

Fig. No. 015



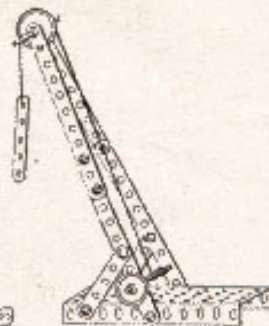
FOOT BRIDGE

Fig. No. 016



SAFETY
SIGNAL

Fig. No. 017



CRANE

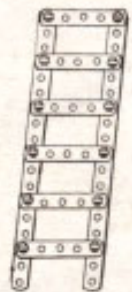
Fig. No. 018



R. R. SIGNAL

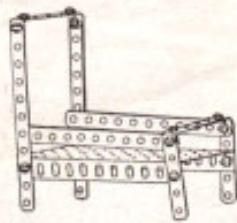
Fig. No. 019

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER outfit, No. 0.



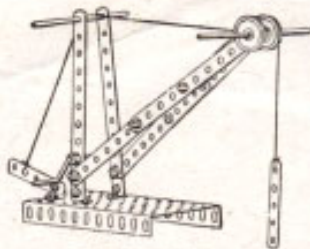
LADDER

Fig. No. 020



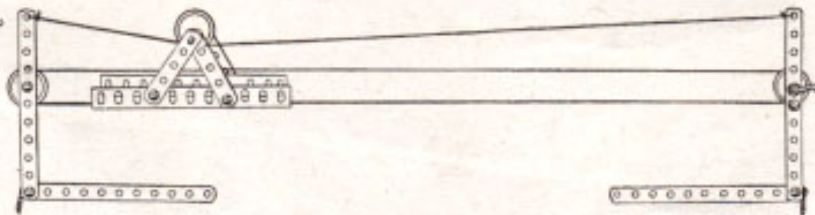
BED

Fig. No. 021



DERRICK

Fig. No. 022



TRANSPORTER

Fig. No. 023



SAW
BUCK
Fig. 024



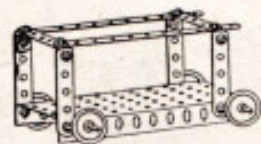
STEP
LADDER
Fig. 025



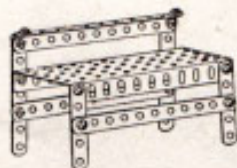
REEL

Fig. No. 026

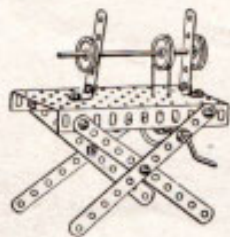
All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit, No. 0.



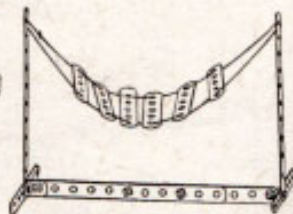
**HAND
TRUCK**
Fig. No. 027



SETTEE
Fig. No. 028



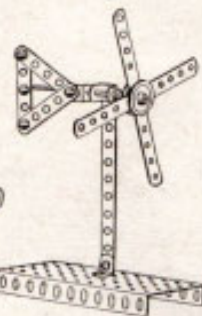
LATHE
Fig. No. 029



HAMMOCK
Fig. No. 030



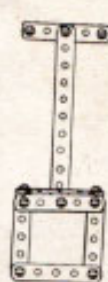
COASTER
Fig. No. 031



**WEATHER
VANE**
Fig. No. 032



BRIDGE
Fig. No. 033

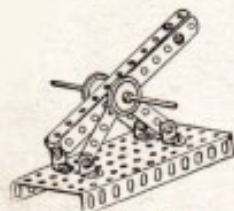


SCRAPER
Fig. No. 033



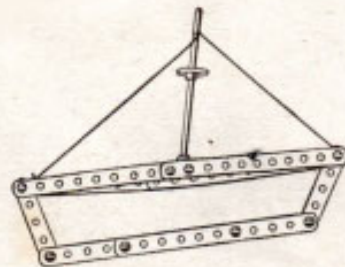
SWASTIKA
Fig. No. 035

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit, No. 0.



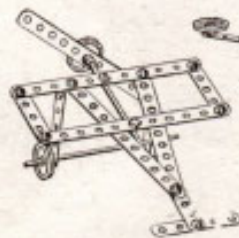
CANNON

Fig. No. 036



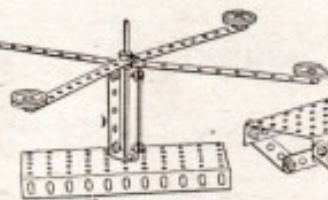
BOAT

Fig. No. 037



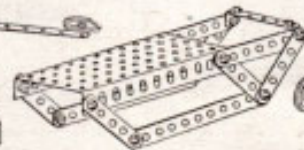
AEROPLANE

Fig. No. 038



FLY-AROUND

Fig. No. 039



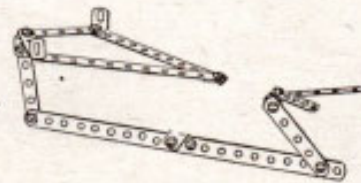
SLED

Fig. No. 040



RACER

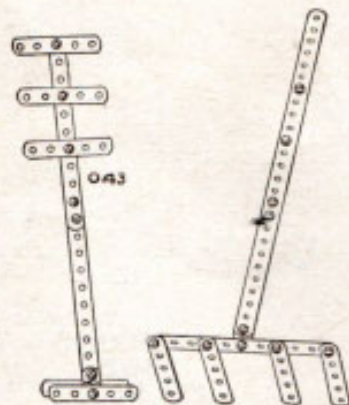
Fig. No. 041



SKATE

Fig. No. 042

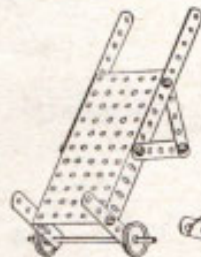
All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit, No. 0.



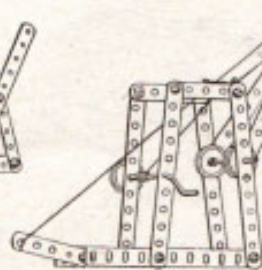
TELEGRAPH
POLE
Fig. No. 043



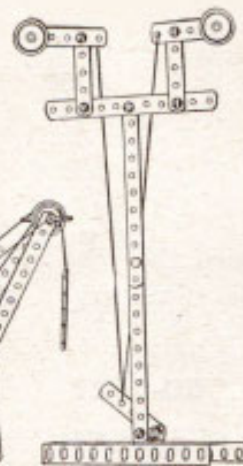
RAKE
Fig. No. 044



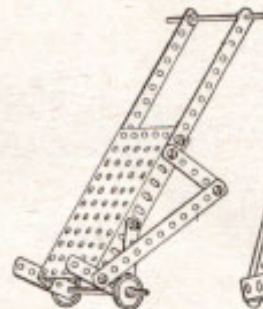
R. R.
TRUCK
Fig. No. 045



WELL
DRILL
Fig. No. 046



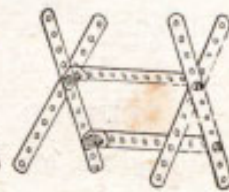
R. R. SIGNAL
Fig. No. 047



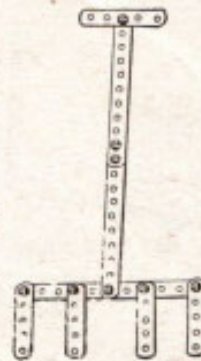
BAGGAGE
TRUCK
Fig. No. 048



SUSPENDED
BRIDGE
Fig. No. 049

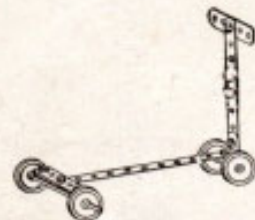


TRESTLE
Fig. No. 050

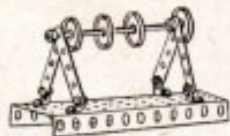


PITCHFORK
Fig. No. 051

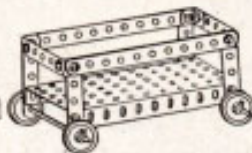
All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit, No. 0.



PUSH MOBILE
Fig. No. 052



GRINDER
Fig. No. 053



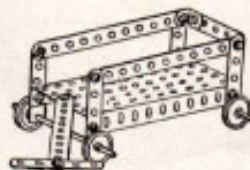
BREAD
TRUCK
Fig. No. 054



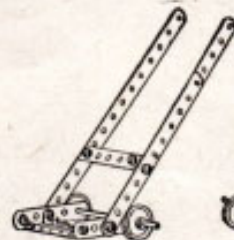
TRAY
Fig. No. 055



GO-CART
Fig. No. 056



WAGON
Fig. No. 057



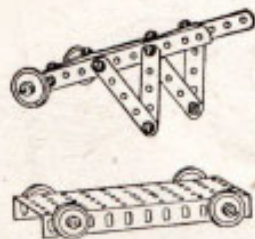
HAND
TRUCK
Fig. No. 058



STEERING
BOB
Fig. No. 059

All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit, No. 0.

**WHEEL-
BARROW**
Fig. No. 060



FLAT TRUCK
Fig. No. 061



Fig. 062

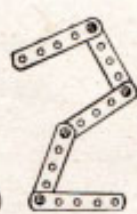


Fig. 063



Fig. 064

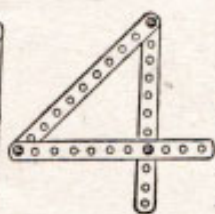


Fig. 065

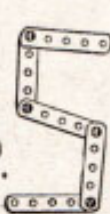


Fig. 066

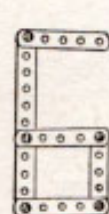


Fig. 067

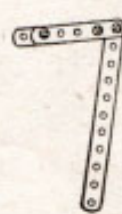


Fig. 068



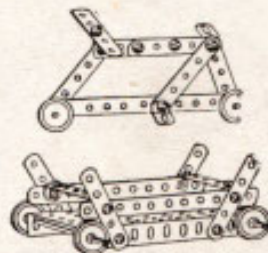
Fig. 069



Fig. 070



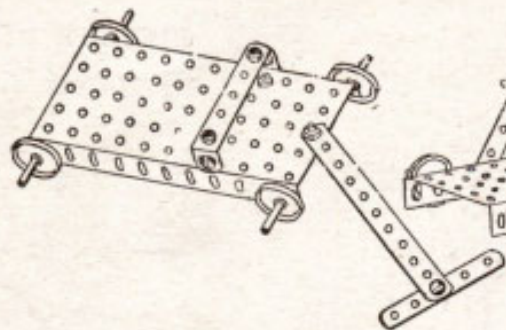
Fig. 071



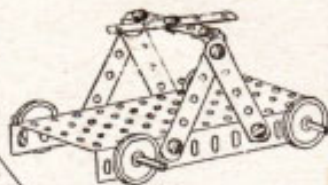
**WALL PAPER
TRUCK**
Fig. No. 073

BICYCLE
Fig. No. 072

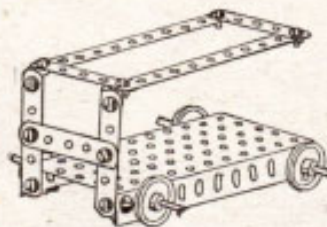
All Models shown on this page can be made with THE AMERICAN MODEL BUILDER Outfit, No. 0.



FLAT BED
WAGON
Fig. No. 074



HAND CAR
Fig. No. 075



REPAIR
TRUCK
Fig. No. 076

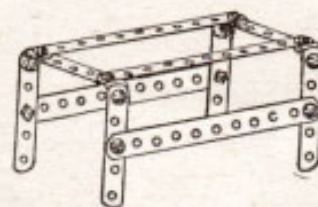
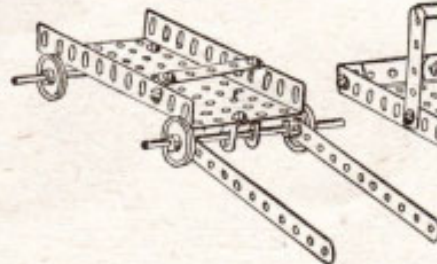
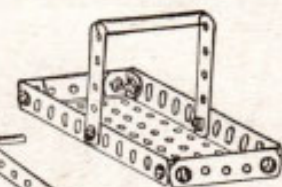


TABLE
Fig. No. 077



DOG-CART
Fig. No. 078

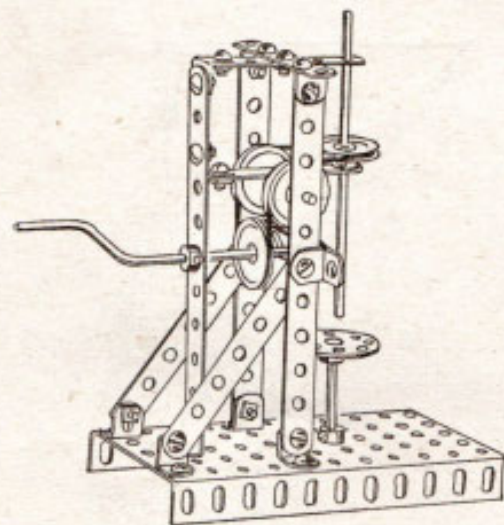


BASKET
Fig. No. 079

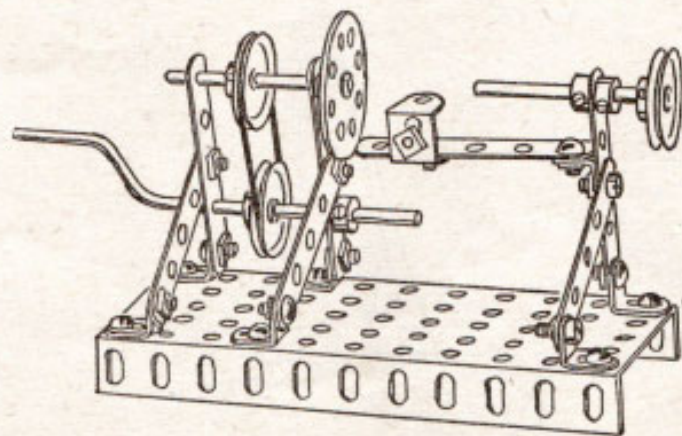
The Hoisting Derrick completes the models which may be made with The American Model Builder Outfit No. 0. By purchasing Accessory Outfit No. 0½ at 50c, 25 additional models can be made, some of which are shown on pages 17-21.

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

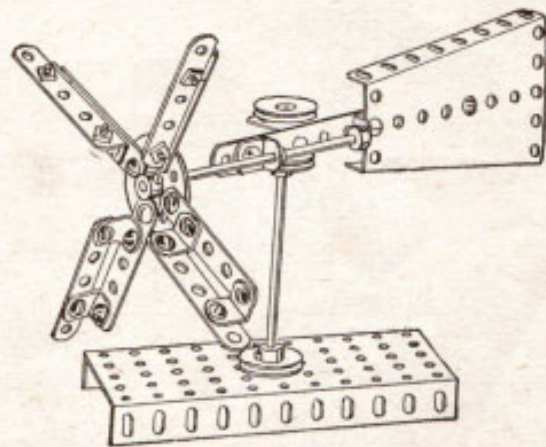
DRILL PRESS



LATHE

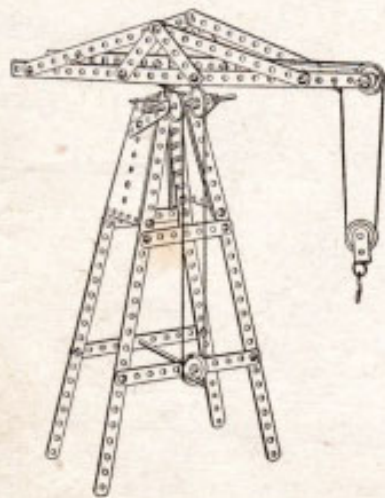


WEATHER VANE

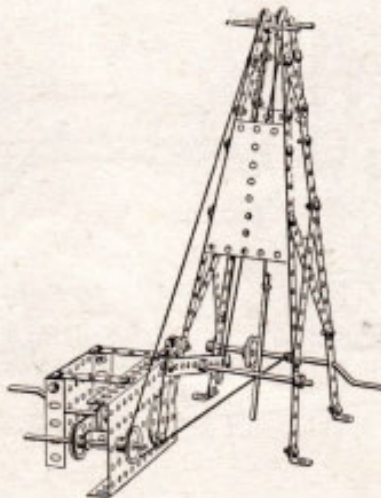


A Drill Press, Lathe and Weather Vane are some of the hundreds of models that can be made with THE AMERICAN MODEL BUILDER Outfit No. 1. See Note, page 24.

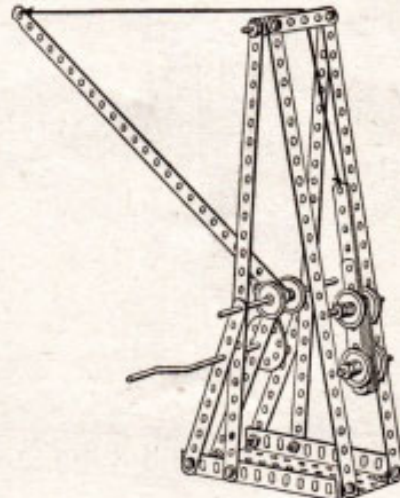
OVERHEAD ROTARY
CRANE



OIL WELL DRILL

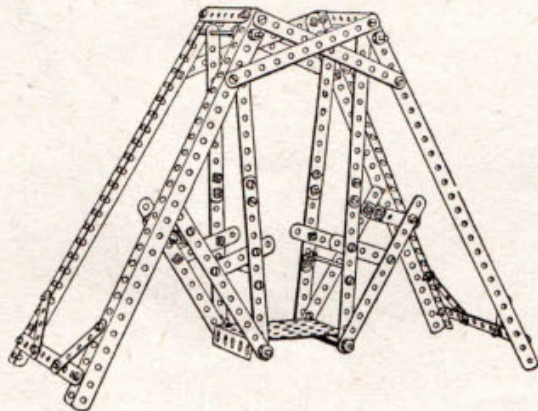


PILE DRIVER

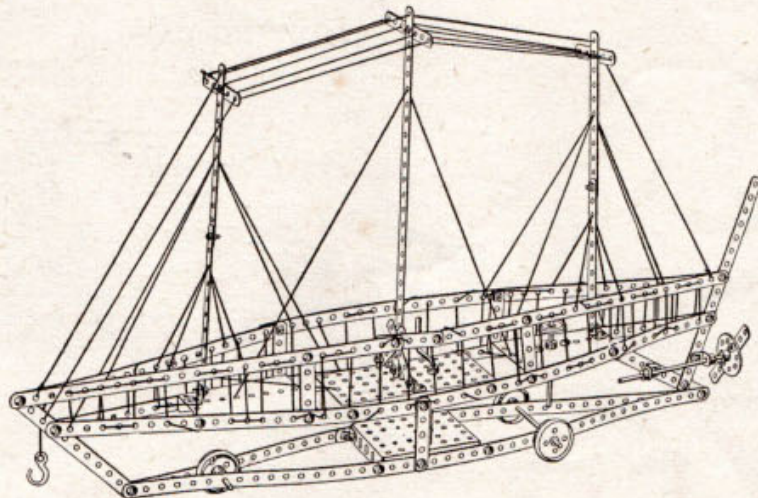


An Overhead Rotary Crane, Oil Well Drill and Pile Driver are some of the hundreds of models that can be made with THE AMERICAN MODEL BUILDER Outfit No. 2. See Note, page 24.

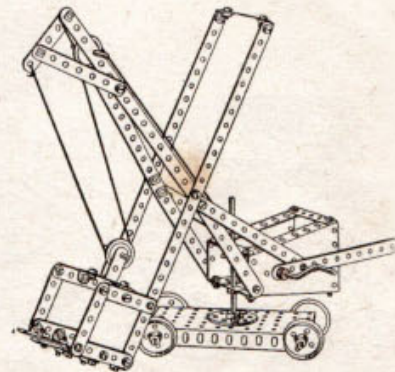
LAWN SWING



SHIP

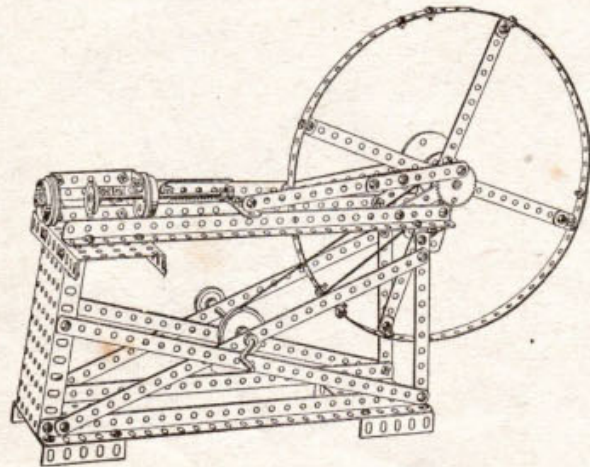


REVOLVING SCOOP

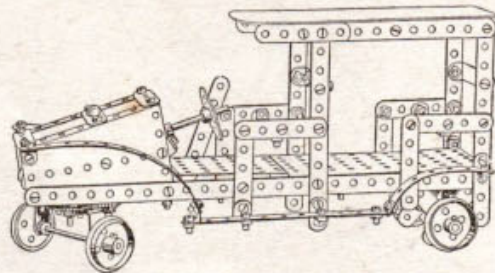


A Lawn Swing, Ship, and Revolving Scoop are some of the many models that can be made with THE AMERICAN MODEL BUILDER Outfit No. 3. See Note, page 24.

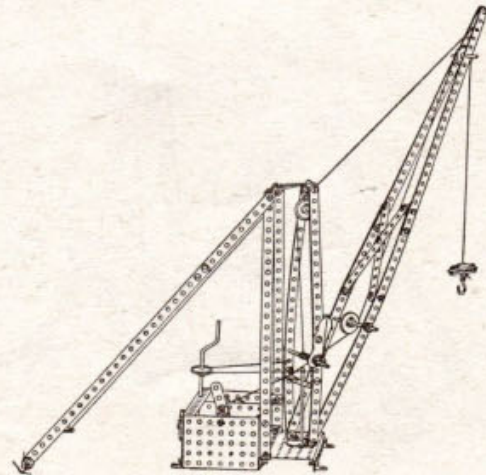
GAS ENGINE



TOURING CAR

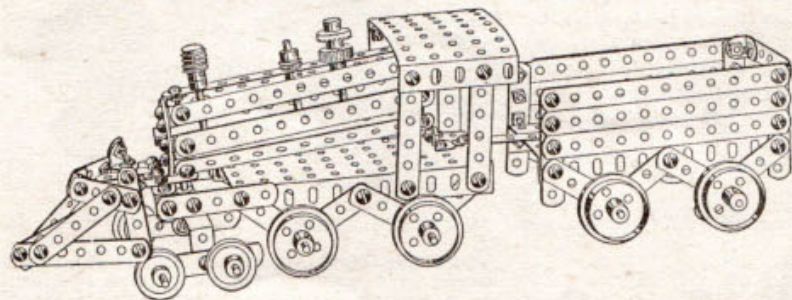


LUFFING AND SWIVEL-
ING JIB CRANE

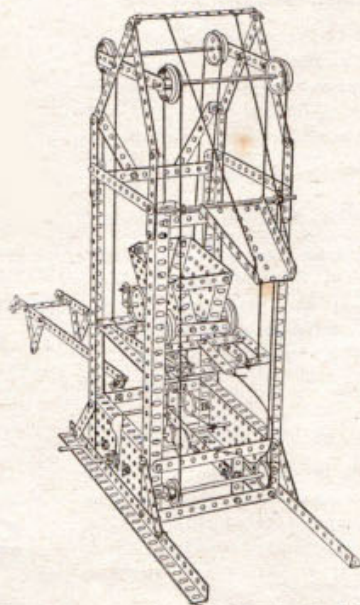


A Gas Engine, Touring Car, Luffing and Swiveling-Jib Crane are some of the hundreds of models that can be made with THE AMERICAN MODEL BUILDER Outfit No. 4. See Note, page 24.

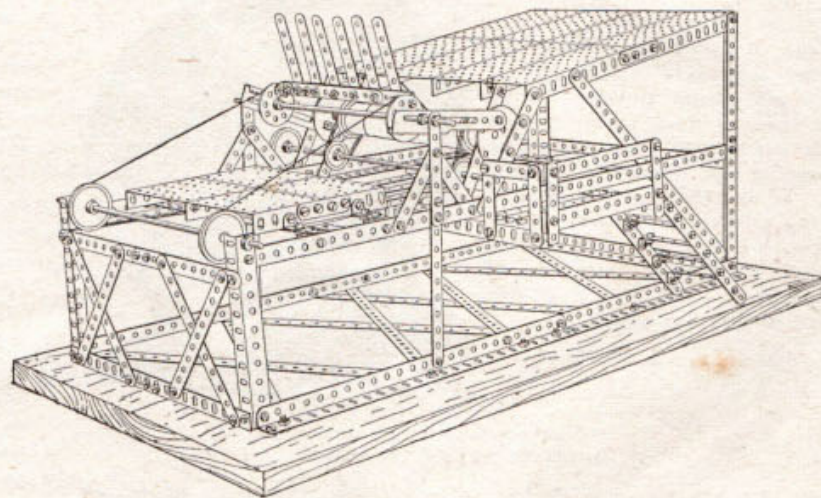
ENGINE AND TENDER



COAL ELEVATOR



PRINTING PRESS

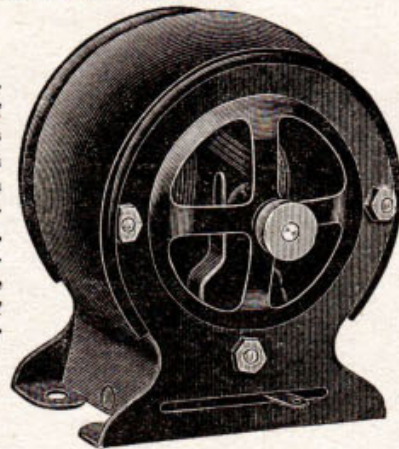


An Engine and Tender, Coal Elevator and Printing Press are some of the more complicated Mechanical Models which can be made with **THE AMERICAN MODEL BUILDER** Outfits Nos. 5, 6 and 7. See Note, page 24.

MOTOR, STYLE No. 150

This Motor is especially designed for operating Models of American Model Builder Outfits and can be used in connection with our geared countershaft in operating our Models by electricity. It has three-pole armature, spring tension brushes, is equipped with a start, stop and reverse switch located in the base of Motor, stands $3\frac{1}{8}$ " high, $2\frac{1}{4}$ " over shaft, weighs one pound.

Price.....\$1.50

**MOTOR, STYLE No. 200**

No. 200 has two-pole field, cast iron frame, three-pole laminated armature, gauze wire brushes, and is equipped with start, stop and reverse switch; stands $3\frac{3}{4}$ " high.

Price.....\$2.00

MOTOR, STYLE No. 225

No. 225 is the same size and finish as No. 200 Motor, has windless and also equipped with worm drive and reducing gear, and has start, stop and reverse switch.

Price.....\$2.50

MOTOR, STYLE No. 250

No. 250 has two-pole field, cast solid, form wound coils. Has start, stop and reverse switch, six-pole laminated armature, etc.; stands $4\frac{1}{4}$ " high.

Price.....\$2.50

MOTOR, STYLE No. 300

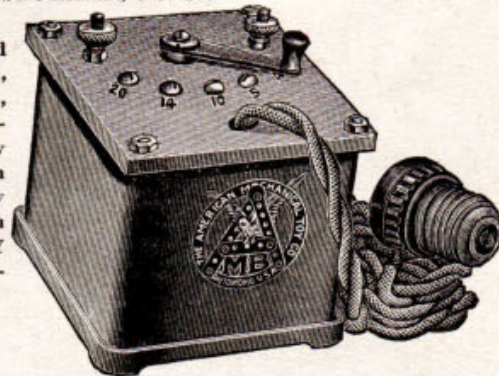
No. 300 is the same size and finish as No. 250 Motor; has windlass and also equipped with worm drive and reducing gear, and has start, stop and reverse switch.

Price.....\$3.00

TRANSFORMER, No. 410

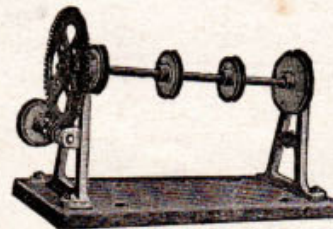
No. 410 Transformer is designed for operating Electric Trains, Merry-Go-Rounds, Machine Shops, etc. It is 50-Watts capacity, air-cooled, and will not be injured by short circuits; has a Rheostat on the top of the Transformer, by which 4, 6, 10, 14 or 20 volts can be secured. **TO BE USED ONLY WITH ALTERNATING CURRENT, 110 to 125 volts.**

Price.....\$4.00

**No. 350 COUNTERSHAFT**

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

Price, complete.....\$0.50



PRICE LIST OF SEPARATE PARTS

No. 1.	1½"	Pulley Wheels.....	at	10c	Each	No. 24.	3"	Perforated Strips.....	at	10c ½	Doz.	No. 51.	Eccentric Wheels.....	at	15c	Each
No. 2.	1"	" " ".....	"	10c	"	No. 25.	3½"	" " ".....	"	10c ½	"	No. 52.	Oscillating Rack.....	"	15c	"
No. 3.	½"	" " ".....	"	05c	"	No. 26.	5½"	" " ".....	"	15c ½	"	No. 53.	Hooks.....	"	2½c	"
No. 4.	1½"	Flanged Wheels.....	"	15c	"	No. 27.	12½"	" " ".....	"	25c ½	"	No. 54.	8" Axle Rod, rounded ends.....	"	05c	"
No. 5.	1½"	Bush Wheels.....	"	15c	"	No. 28.	Single Bent Strips.....	"	05c	Each	No. 55.	Knurled Screw Driver.....	"	10c	"	
No. 6.	1½"	Gear Wheels.....	"	15c	"	No. 29.	Large Bent Strips.....	"	05c	"	No. 56.	Washer.....	"	10c	Doz.	
No. 7.	1½"	Crown Gears.....	"	20c	"	No. 30.	Double Bent Strips.....	"	05c	"	No. 57.	2½" Angle Strips.....	"	15c ½	Doz.	
No. 8.	¾"	" " ".....	"	15c	"	No. 31.	Large Rectangular Plates.....	"	10c	"	No. 58.	3½" " ".....	"	15c ½	"	
No. 9.	¾"	Pinions.....	"	15c	"	No. 32.	Small Rectangular Plates.....	"	10c	"	No. 59.	5½" " ".....	"	20c ½	"	
No. 10.	½"	" " ".....	"	10c	"	No. 33.	Sector Plates.....	"	10c	"	No. 60.	Hanger Strip.....	"	05c	Each	
No. 11.		Worm Wheels.....	"	15c	"	No. 34.	5½" Angle Girders.....	"	20c ½	Doz.	No. 61.	½" Wood Screws.....	"	05c	Doz.	
No. 12.		Collars and Set Screws.....	"	05c	"	No. 35.	12½" " ".....	"	25c ½	"	No. 62.	Shaft Connector.....	"	10c	Each	
No. 13.	2"	Axles, rounded ends.....	"	2½c	"	No. 36.	1" Sprocket.....	"	15c	Each	No. 63.	12" Rule.....	"	10c	"	
No. 14.	3½"	" " ".....	"	2½c	"	No. 37.	1½" " ".....	"	15c	"	No. 64.	Engine Crank.....	"	05c	"	
No. 15.	4½"	" " ".....	"	05c	"	No. 38.	Chain, 4 ft. Length.....	"	10c	"	No. 65.	Car Wheel.....	"	05c	"	
No. 16.	5"	" " ".....	"	05c	"	No. 39.	Angle Brackets.....	"	10c	Doz.	No. 66.	Truck Frames.....	"	2½c	"	
No. 17.	6"	" " ".....	"	05c	"	No. 40.	Propeller Blades.....	"	15c	Pair	No. 67.	"T" Strips.....	"	2½c	"	
No. 18.	11½"	" " ".....	"	05c	"	No. 41.	Ratchet Pawls.....	"	10c	Each	No. 68.	Bolster Plates.....	"	2½c	"	
No. 19.	4½"	Cranks, rounded ends— Drilled.....	"	05c	"	No. 42.	Spanner and Screw Driver.....	"	05c	"	No. 69.	Auto Wheels.....	"	10c	"	
No. 20.	5½"	Cranks, rounded ends— Drilled.....	"	05c	"	No. 43.	Large Screw Driver.....	"	10c	"	No. 70.	3½" Flat Plate.....	"	05c	"	
No. 21.	6½"	Cranks, rounded ends— Drilled.....	"	05c	"	No. 44.	Nuts and Bolts.....	"	10c	Doz.	No. 71.	5½" " ".....	"	05c	"	
No. 22.	2"	Perforated Strips.....	"	10c ½	Doz.	No. 45.	Pulley Belts.....	"	05c	Each	No. 72.	Obtuse Angle.....	"	10c	Doz.	
No. 23.	2½"	" " ".....	"	10c ½	"	No. 46.	1¾" Springs.....	"	05c	"	No. 73.	2¼" Gear Wheel.....	"	20c	Each	
						No. 47.	Blue Cord, 15 ft.....	"	2½c	"	No. 77.	Instruction Book No. 1.....	"	10c	"	
						No. 49.	Green Cord, 80 ft.....	"	05c	"	No. 78.	Complete Manual of Instruction.....	"	25c	"	
						No. 50.	Eye Pieces.....	"	2½c	"	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 AMERICAN MECHANICAL TOY CO., Dayton, Ohio, U. S. A.

PRICE LIST OF REGULAR AND ACCESSORY OUTFITS

REGULAR OUTFITS

No. 0. American Model Builder Outfit.....	\$.50
No. 1. American Model Builder Outfit.....	1.00
No. 2. American Model Builder Outfit.....	2.00
No. 3. American Model Builder Outfit.....	3.00
No. 4. American Model Builder Outfit (No. 150 Motor Included).....	5.00
No. 5. American Model Builder Outfit (No. 150 Motor Included).....	7.50
No. 6. American Model Builder Presentation Outfit (No. 150 Motor Included) (Packed in Oak Box).....	15.00
No. 7. American Model Builder Presentation Outfit (No. 150 Motor Included) (Packed in Mahogany Box).....	25.00
No. 11. American Model Builder Outfit (No. 150 Motor Included).....	2.00
No. 12. American Model Builder Outfit (No. 150 Motor Included).....	3.00
No. 13. American Model Builder Outfit (No. 150 Motor Included).....	4.00

ACCESSORY OUTFITS

No. 0½. American Model Builder Accessory Outfit.....	\$.50
(Containing Sufficient Parts to Convert a No. 0 Outfit into a No. 1 Outfit)	
No. 1½. American Model Builder Accessory Outfit.....	1.00
(Containing Sufficient Parts to Convert a No. 1 Outfit into a No. 2 Outfit)	
No. 2½. American Model Builder Accessory Outfit.....	1.00
(Containing Sufficient Parts to Convert a No. 2 Outfit into a No. 3 Outfit)	
No. 3½. American Model Builder Accessory Outfit (No. 150 Motor Included).....	2.00
(Containing Sufficient Parts to Convert a No. 3 Outfit into a No. 4 Outfit)	
No. 4½. American Model Builder Accessory Outfit.....	2.50
(Containing Sufficient Parts to Convert a No. 4 Outfit into a No. 5 Outfit)	
No. 5½. American Model Builder Accessory Outfit.....	5.00
(Containing Sufficient Parts to Convert a No. 5 Outfit into a No. 6 Outfit)	
No. 6½. American Model Builder Accessory Outfit.....	10.00
(Containing Sufficient Parts to Convert a No. 6 Outfit into a No. 7 Outfit)	

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 Outfit added to a No. 1 will convert a No. 1 into a No. 2. No. 11 Outfit can be converted into the next larger Outfit by adding No. 1½, No. 12 into the next larger Outfit by adding No. 2½, and No. 13 into the next larger Outfit by adding No. 3½.

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; No. 11, 25c; No. 12, 25c; No. 13, 35c. ACCESSORY OUTFITS—No. 0½, 10c; No. 1½, 15c; No. 2½, 25c; No. 3½, 35c; 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.

