



**MODEL RAILROAD  
DATA BOOK**

# **SCALE CRAFT**

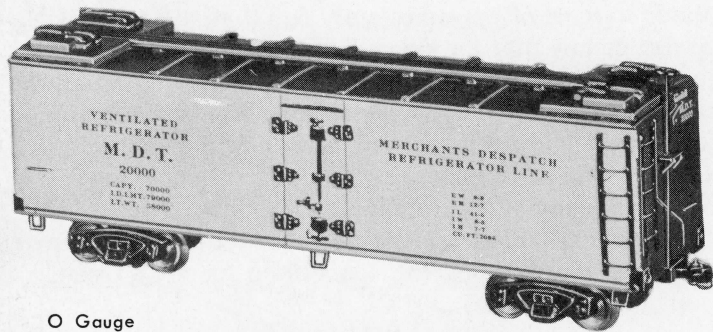


**SCALE-CRAFT & COMPANY**

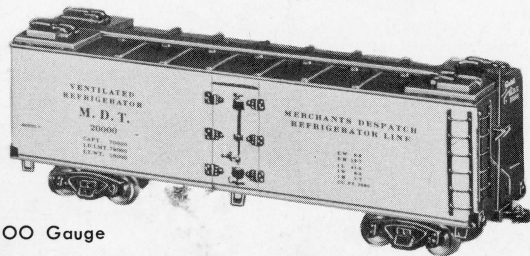
**Round Lake, Illinois**

*Illinois Central Photo*

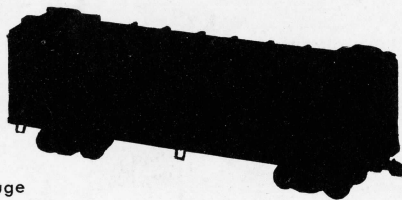
## Comparative size of O, OO and HO Gauge



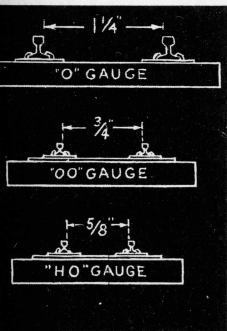
O Gauge



OO Gauge



HO Gauge



2. The amount of time you want to spend in constructing your models. In most cases the O gauge models are designed to allow a maximum amount of work; whereas, the OO gauge requires a great deal shorter time.

3. The amount of money you can afford to spend. The average OO gauge layout runs to about  $\frac{2}{3}$  the cost of an O gauge.

Probably of the three, "1" is the most important as the element of space alone usually controls the size of gauge one can use.

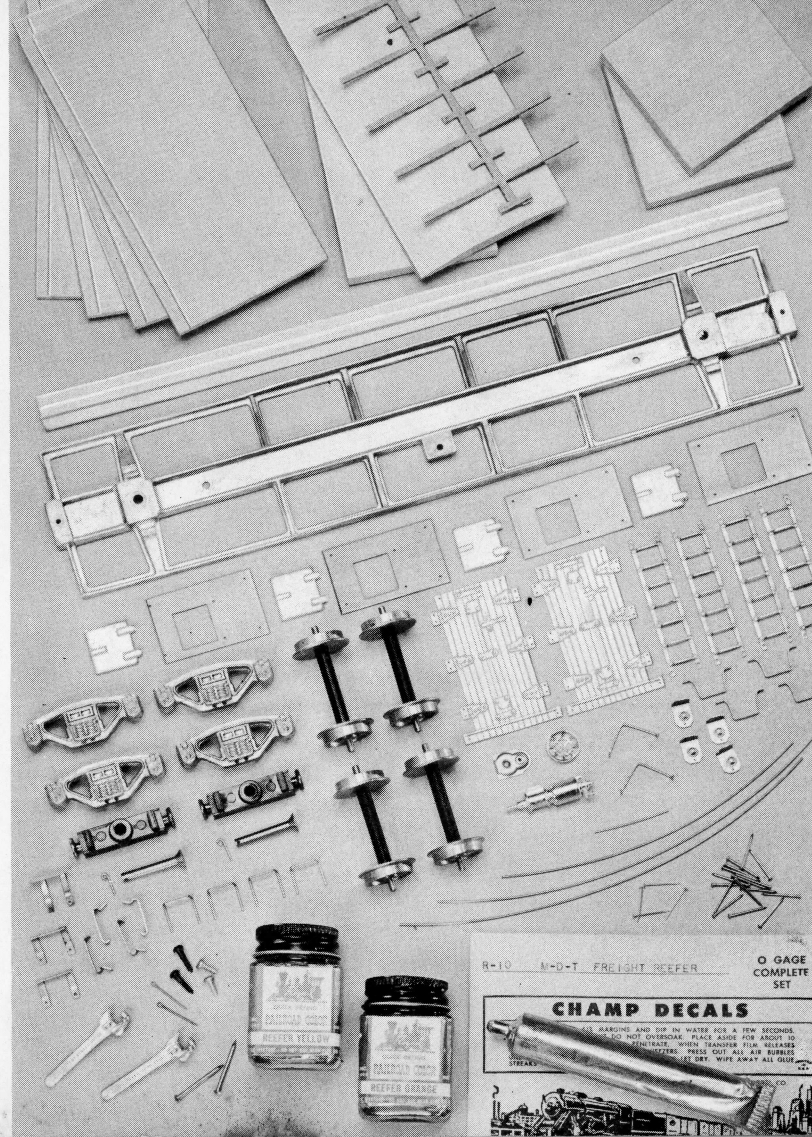
## Choose Your Gauge

When preparing to build a model railroad, the first thing to be considered is the amount of available space at your disposal; this condition governs to a large extent, the most suitable scale and gauge to be used. The term "Gauge" means the distance between the inner edges of the rails. The term "Scale" deals with the proportionate size of the model as compared with the actual prototype. Scale is expressed in inches and feet; a model built to a scale of  $\frac{1}{4}$ " to the foot is 1/48 of actual size. A part of the prototype which was one foot long, would be only  $\frac{1}{4}$ " long on the model. Today there are five scales in common use in the United States and Canada. They are, 1/10" or TT, 1/8" or HO, 5/32" or OO, 3/16" or S, and 1/4" or O. Each has its own appeal. The TT gauge uses a track gauge of .417 (ap-

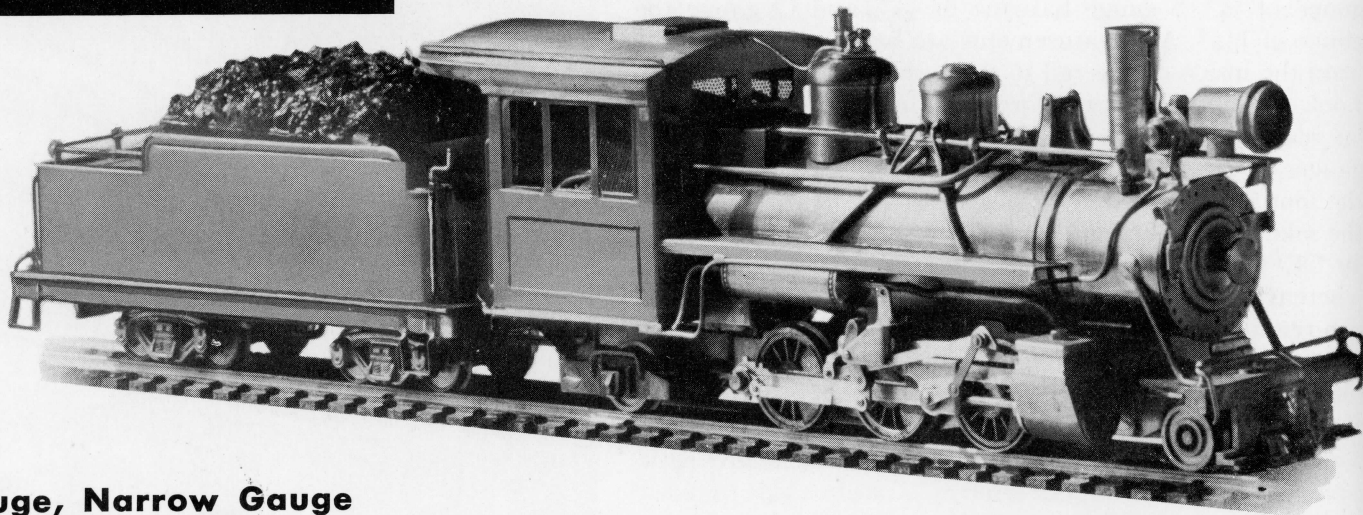
proximately 11/32"). HO has a gauge of 5/8," OO has a gauge of 3/4," S gauge has one of 7/8," and O gauge the gauge of 1 1/4". All measurements are based on the distance from the inside of one rail to the inside of the second rail. Look over your space before deciding upon any particular scale or gauge. Scale-Craft products are built in two gauges, OO and O; the former is at a scale of 5/32" to the foot, and the latter at a scale of 1/4" to the foot. For the sake of comparison, let us take the diagram on page 3. In OO this layout can be laid out in a space of 13'6" x 20', whereas in O gauge it requires a space 21" x 33'6". You can readily see the importance of first considering the available working space. The OO gauge requires about one-fourth the area necessary for an O gauge layout of the same coverage.

## Tools You Will Need

The assembly of Scale-Craft kits calls for only a few common tools. A light screw driver, a pair of long nose pliers, a pair of side cutters, some small files, a steel square, a hand drill, a light hack saw, a nail set, and the necessary drills and taps. Other items such as a small vise, a small anvil, a sharp knife, a pair of tweezers, and a pin vise, are extremely helpful. You will find description of such tools in the back of the book.



## O GAUGE MODELS

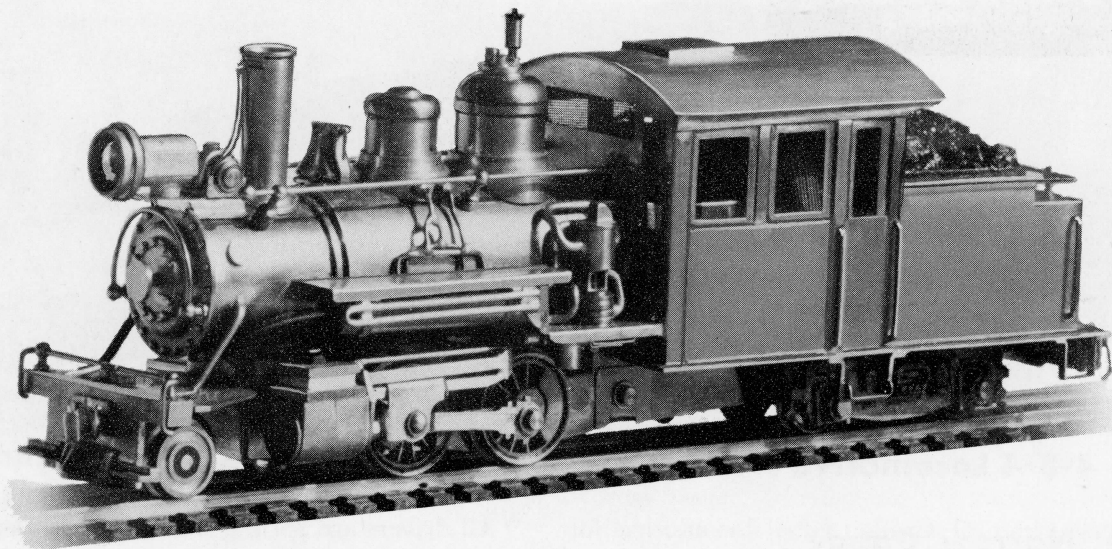


### O Gauge, Narrow Gauge

The two locomotives illustrated on these two pages are more or less free lance copies of narrow gauge types. They were copied from Baldwin locomotive prints. Baldwin manufactured the locomotives for the Sandy River and Rangeley Lakes Railroad, a two-foot gauge line which operated in Maine until approximately 1936 when it was scrapped. According to the dates on the prints, the tanker was built in 1909 and the prairie type in 1919. These models are built  $\frac{1}{4}$ " to the foot or O gauge. They operate on HO track. If the builder had

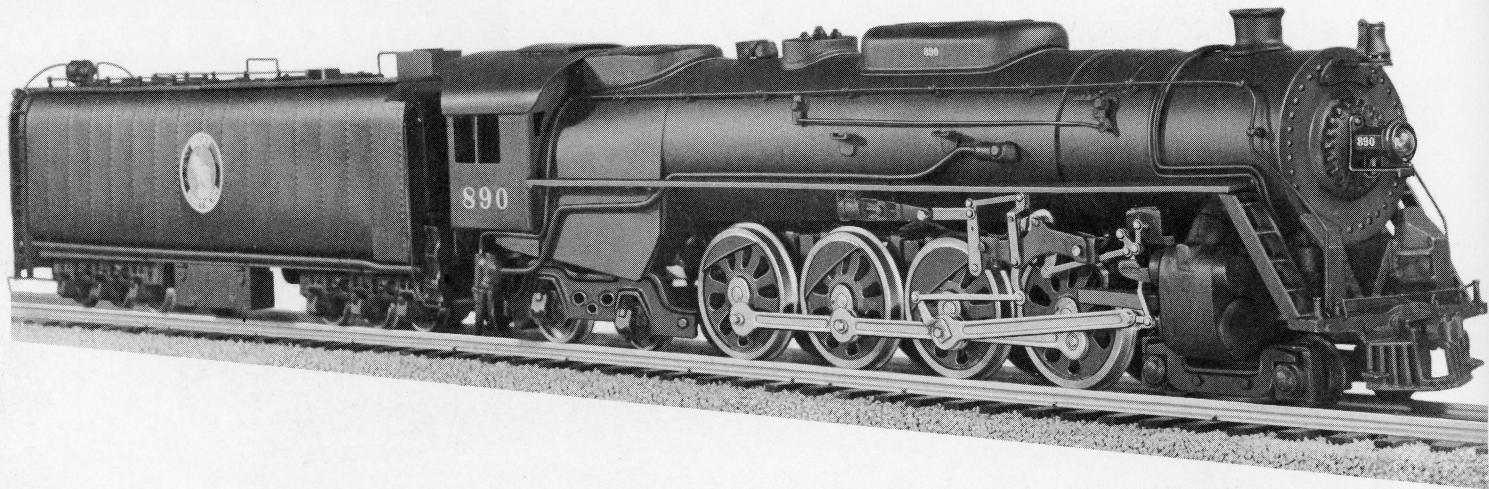
been a purist these locomotives would have been built to operate on a gauge of  $\frac{1}{2}$ " to be true to form to a two-foot gauge, but with the availability of HO assembled track, which is a  $\frac{5}{8}$ " gauge, it seemed more practical to construct the locomotives to operate on track that was available rather than for a special track. Actually, the  $\frac{5}{8}$ " gauge track, when considered as an O gauge prototype would be comparable to about 30" in the real size.

The reason why we are illustrating these locomotives is



to show the free lance model maker or the narrow gauge fan that he can use a combination of O and OO gauge parts to make up attractive looking locomotives and still be in scale. Furthermore, he does not have to build from scratch. The entire underframe, including the valve gears, cylinder blocks and pilots, trailer truck, and tender trucks are standard OO gauge parts. Also, the smoke box front and boiler; the headlight, generator, and hand rail supports are O gauge parts. The stack and domes can be easily made on a lathe, and for the

tenders and cabs sheet brass can be used. Trucks are OO. If there is enough interest in narrow gauge equipment such as this, and the parts do not have to be scaled to the "gnat's eyebrow" for any particular type of locomotive, we could very easily put out kits for locomotives like these and others of similar type to operate either on OO, HO, or even  $\frac{1}{2}$ " gauge track at a price which would be very little higher than our present OO gauge equipment. If you are interested we would appreciate hearing from you.



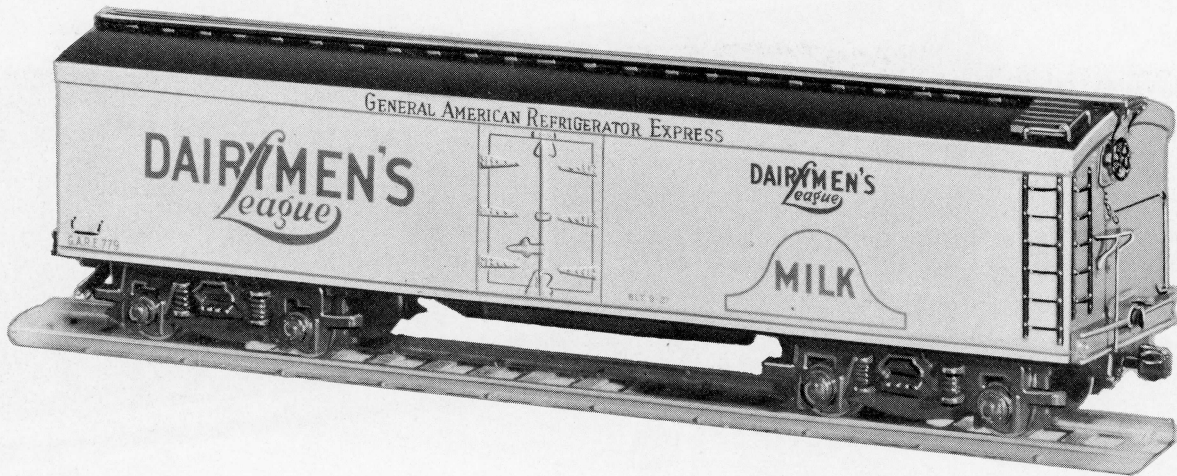
## **O Gauge 4-8-4 Locomotive**

The new Scale-Craft O Gauge 4-8-4 locomotive follows the basic design of a prototype built by the American Locomotive Company for the Union Pacific Railroad. The 4-8-4 type of locomotive is used for heavy passenger and freight service by practically every class one railroad in the United States except those that have been completely dieselized. We have designed our locomotive in such a manner that with very few minor changes, similar prototypes for other railroads can be followed. The tender is designed for ready use of either oil or coal as fuel. The model is powered by the K & D Universal type motor which assures the large hauling capacity.

All drivers are sprung with half-elliptic, locomotive type equalized springs. We can supply either a Baker or Walschaert valve gear, Laird or Alligator crossheads. The pilot truck can be supplied with either inside or outside journals. A soldered superstructure similar to our pre-war Southern Pacific Mountain locomotive is included. The drive wheels are made from gray iron castings for durability and come completely machined in the kit. The kit for this locomotive will be divided into four or five sections and will be available June 15, 1950.

A circular will be sent to you describing this locomotive further and giving prices of the various sections.

*PAIN, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS*



## "O" Milk Tank Cars

### Specifications of Model

Length over End Sills.....	13"
Extreme Width.....	2 1/2"
Height to Center of Couplers.....	3/4"
Height from Rail to Top.....	3 15/32"

The milk tank car is essentially a passenger train unit, and is seldom seen in a freight string when carrying its load of perishable liquid. It is a fine example of efficient car design for speedy and safe transportation of a most important basic food. It differs from the regular express refrigerator car, as it has no ice hatches. None are necessary, as the lading is carried in two large glass lined tanks with a refrigerating unit between them. Like the

express reefer, it rides on regular 4-wheel passenger trucks, and carries signal hose in addition to the regular air hose. It is built for the continued high speed of passenger service, and in miniature, makes a wonderful addition to any passenger string.

The milk tankers usually carry the names and heralds of the dairy companies or milk supply sources that use them. They are painted attractively, and the bright colors of the heralds make them outstanding units in any passenger train. For choice of decalcomanias see page 42.

OP-113—Milk Tank (your choice of decalcomania) \$7.95

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "O" Passenger Express Refrigerator Cars

### Specifications of Model

Length over End Sills.....	13"
Extreme Width.....	2½"
Height to Center of Couplers.....	¾"
Height from Rail to Top.....	3 <sup>15</sup> / <sub>32</sub> "

Like all other developments in rolling stock on American railroads, the Express Refrigerator car is a product of necessity. These cars are used for rushing perishable foods and other materials to their destination at passenger train speeds. They are usually painted to harmonize with the regular passenger equipment, and carry the air signal hose in addition to the regular brake hose. They are generally mounted on regular 4-wheel passenger trucks, so that they may withstand the strains of high speed passenger operation.

The prototype of the Scale-Craft model is the well known General American Refrigerator Express car. Its design features accurately machined wooden roofs, sides, ends, floors, and metal doors. An especially novel feature of these models is the working buffer at each end of the cars. Its purpose is to reduce the shocks of coupling and starting, by drawing out slack between cars. All working parts for these buffers are furnished—completely finished, and their spring action is perfect when the cars are rolled together for coupling.

The trucks for these kits are the regular 4-wheel roller bearing passenger type; smooth running, and realistic in every way. Your choice of decalomania, see page 42.

OP-112—Passenger Express Refrigerator Car Kit. \$7.95

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS





## "O" Stock Cars

### Specifications of Model

Length over End Sills.....	10½"
Extreme Width.....	27 <sup>7</sup> / <sub>16</sub> "
Height to Center of Couplers.....	3 <sup>3</sup> / <sub>4</sub> "
Height from Rail to Top.....	37 <sup>7</sup> / <sub>16</sub> "

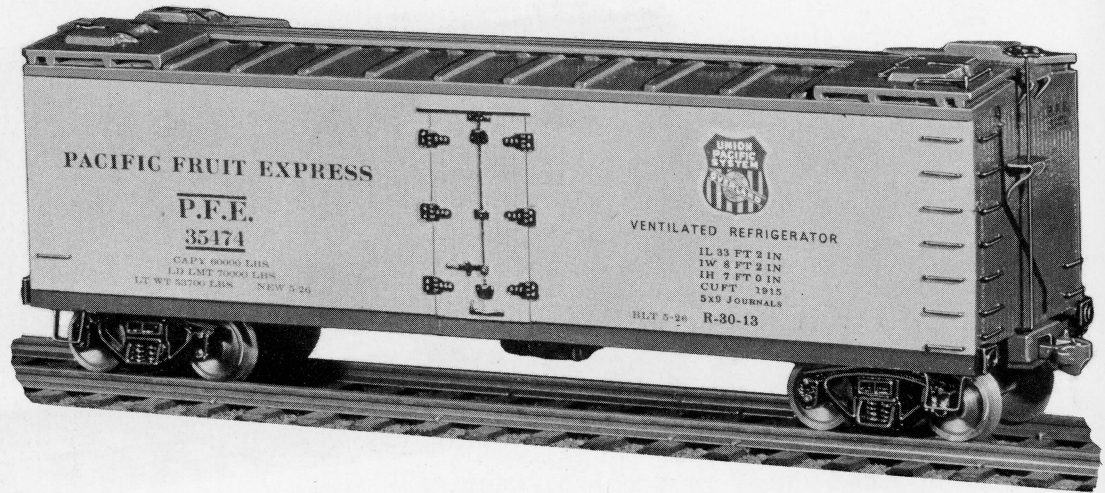
As we watch a moving stock train, we realize that it is bearing food for the nation's population, and perhaps for the people of other less fortunate countries. The animals it carries represent portions of that great agricultural service rendered continuously by thousands of American farmers and cattlemen. The moving stock train represents the culmination of many months of arduous labor—raising feed for the cattle, and careful

fattening for market. And when the trains move eastward, away from the open spaces of the west, this labor has been well done.

The stock car kits are made up of cast aluminum sides and ends with wood roofs and floors, die cast underframe and stamped metal hardware. The kits are easy to assemble and work up into beautiful models. Your choice of paint and decalcomanias. See page 43 for decalcomanias.

OF-135—Stock Car Kit.....\$6.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "O" Freight Refrigerator Cars

### Specifications of Model

Length over End Sills.....	10½"
Extreme Width.....	27 <sup>16</sup> / <sub>16</sub> "
Height to Center of Couplers.....	¾"
Height from Rail to Top.....	3½"

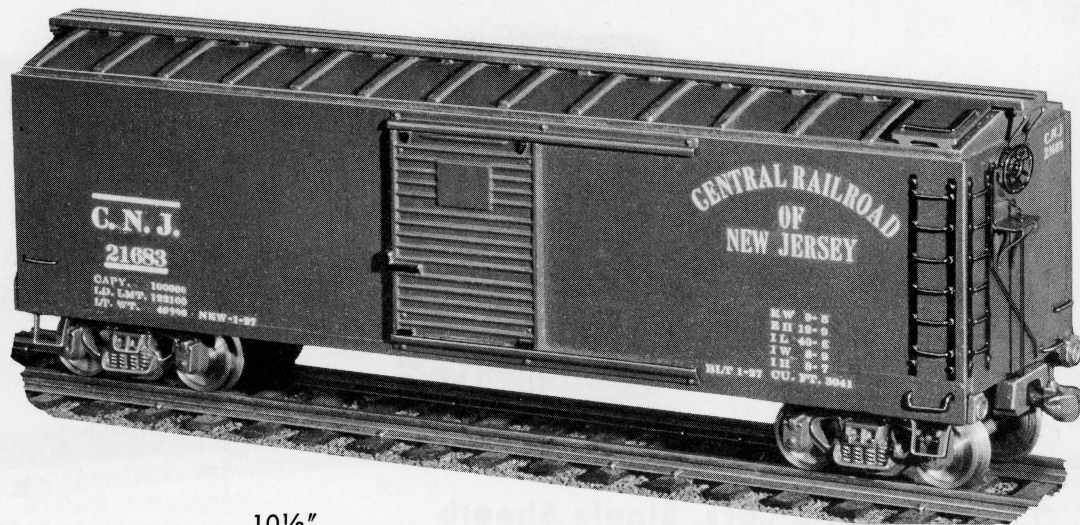
The same basic design goes for all refrigerator cars, with minor differences such as ribbed or plain roofs, brake wheels, ice hatches, and roof walks. The real differences are in the colors and lettering on the sides. Red and black are the standard roof colors.

The refrigerator car knows no boundaries on American railroads. Its mission is to hold perishable foods at low temperatures while in transit, and it is seen on all roads, in all states, in all temperatures, and in all seasons of the

year. Two or three in every freight train on a model layout is a good plan.

The Scale-Craft refrigerator kit consists of wood floors, sides, ends and roof; a die cast underframe, stamped metal hardware including working ice hatches, and of course trucks. You have your choice of two colors of paint and a set of decalcomanias as listed on page 42.

OF-107—Freight Refrigerator Car Kit ARA Brake Wheel.....	\$6.50
OF-108—Freight Refrigerator Car Kit Ajax Brake Wheel.....	6.50



## "O" 40' 6" Box Cars

### Specifications of Model

Length over End Sills.....	10½"
Extreme Width.....	27 <sup>1</sup> / <sub>16</sub> "
Height to Center of Couplers.....	¾"
Height from Rail to Top.....	3½"

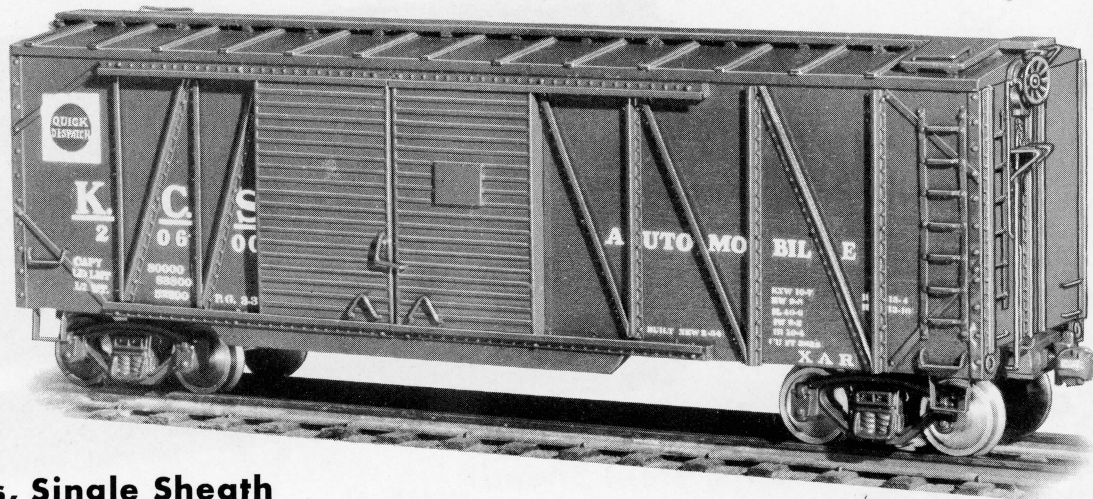
No model railroad could be complete without great quantities of box cars of the 40' 6" size, neither is it possible for a model railroad pike to operate without at least four or five. In actual practice, a 40' 6" box car is used for practically every known type of commodity. At times they have even used it for coal and gravel in shortages of hopper and gondola equipment. The Scale-Craft box car is modeled after the most common type used today on practically every railroad in the country. Completeness has been the watch-word in

preparing these box car kits. Machined wooden parts, stamped metal grab irons, sill steps, brake platforms, door runners, and side and end ladders are furnished. Paint, pins, and decalcomanias for lettering and heralds are also provided, along with complete instructions for assembling. The common color of a box car is red, however, some railroads are beginning to paint them yellow with black roof and underframe. Your choice of decalcomanias. See pages 41 & 42.

OF-104—40'6" Box Car ARA Brake Wheel.....\$5.50

OF-105—40'6" Box Car Ajax Brake Wheel..... 5.50

*PAIN, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS*



## "O" Automobile Cars, Single Sheath

### Specifications of Model

Length over End Sills.....	10½"
Extreme Width.....	2⅝"
Height to Center of Couplers.....	¾"
Height from Rail to Top.....	3⅛"

The 40' 6" single sheath 50-ton automobile car is an older type than the modern all-steel car, but it is still a current type, and a picturesque one as well. Its wooden sides are reinforced with Z-bar type steel braces and diagonals; its ends and doors are of corrugated steel, likewise its roof.

The Scale-Craft model follows the prototype closely,

even to the sliding doors. A.R.A. trucks are supplied, and the Ajax brake wheel also. The sliding doors lend a note of realism, as they may be opened, and miniature lading placed inside, where it will show while the car is in motion. Any types of crated commodities will do very nicely in these little cars.

The body is made from correctly shaped wood parts and stamped brass Z-bars. Everything necessary in the kit is furnished including decalcomanias, paint and hardware. Your choice of decalcomanias, page 42.

OF-114—Auto Car Kit, Single Sheath.....\$6.50

*PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS*



## "O" Automobile Cars, Steel Sheath

### Specifications of Model

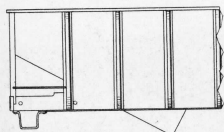
Length over End Sills .....	10½"
Extreme Width .....	2⅝"
Height to Center of Couplers .....	¾"
Height from Rail to Top .....	3⅛"

Auto cars were originally designed for transportation of assembled automobiles. They are now used for practically every type of commodity that is carried in a house type car, especially for those commodities which require large door openings, such as crates, machinery. Also probably more automobile cars are used by the paper industry for the transportation of roll stock than any other single type of car because of the ease of loading

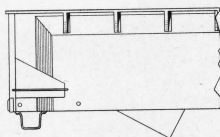
and unloading. The Scale-Craft single steel car is a type of prototype found on practically every railroad in the United States and Canada. Clever effects may be produced with a few small pieces of wood and a little cement. The kit consists of a wooden floor and roof with stamped metal sides, ends and hardware. All holes for grab irons and ladders, door tracks and accessories have been punched to position. The hundreds of rivets on the sides stand out sharply. The deep corrugations in the dreadnought ends are clearly embossed. Your choice of decalcomanias, see page 42.

OF-115—Auto Car Kit, Steel Sheath .....\$6.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



Plain Side



Offset Side



## "O" 50-Ton Hopper

### Specifications of Model

Length over End Sills .....	8"
Extreme Width .....	2 <sup>9</sup> / <sub>16</sub> "
Height to Center of Couplers .....	3 <sup>4</sup> / <sub>4</sub> "
Height from Rail to Top .....	2 <sup>3</sup> / <sub>4</sub> "

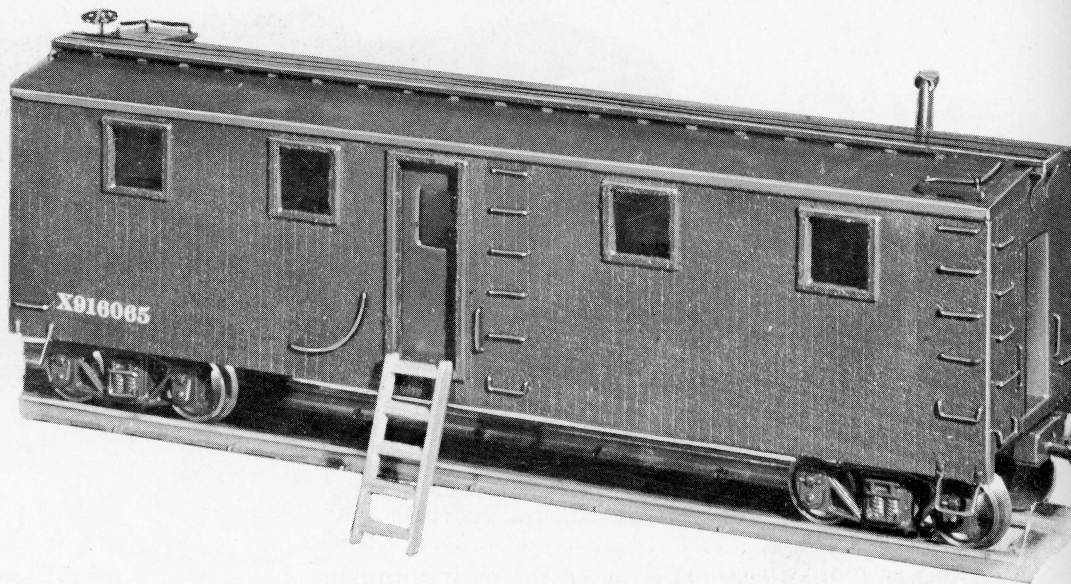
Everyone knows of the vast amounts of coal that must be hauled from the mines to the distributing centers of our country. The 50-ton hopper car has played an important role in this necessary service during the last few years. It was built to handle coal, ore, gravel, and other granular lading of great weight, and is usually higher than the average gondola car. The added height enables the builders to obtain necessary cubical capacity in spite of greatly shortened overall length. These little cars are built for rugged service, and look the part. They

are true to the general prototype and possess a remarkable degree of realism. These kits are made of aluminum castings and consist of an underframe, two sides and 2 ends plus the usual hardware. They are easy to assemble. You have the choice of either the plain or the offset side as illustrated in sketch. Be sure when ordering to specify the type of side you desire, also whether you wish black or red paint. Your choice of decalomania. See page 43.

OF-134—50-Ton Hopper Car Kit, Plain Side . . . \$6.50

OF-137—50-Ton Hopper Car Kit Offset Side . . . 6.50

PAINT, DECALOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "O" Work Cars

### Specifications of Model

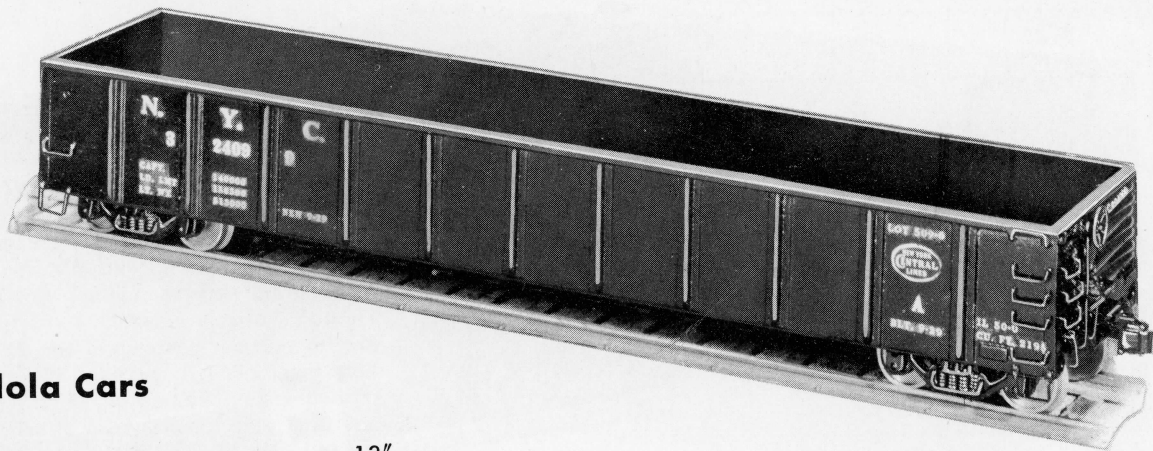
Length over End Sills .....	10½"
Extreme Width .....	2½"
Height to Center of Couplers .....	¾"
Height from Rail to Top .....	3½"

Work cars and maintenance crews are part of every railroad, and likewise for the model road. They are built from obsolete box cars, as you no doubt know. Ventilators, windows, door hardware, and all other details are included; you'll find them true to type and realistic.

In actual railroad practice railroads often take the trucks off work cars and use them as wayside stations or as track crew shanties. Such a use of work car equipment on model railroad layouts adds to the realism. Your choice of paint and decalcomanias. For list of decalcomanias, see page 43.

OF-111—Work Car Kit.....\$5.50

*PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS*



## "O" 70-Ton Gondola Cars

Specifications of Model	
Length over End Sills.....	13"
Extreme Width.....	2 <sup>9</sup> / <sub>16</sub> "
Height to Center of Couplers.....	3 <sup>3</sup> / <sub>4</sub> "
Height from Rail to Top.....	2 <sup>1</sup> / <sub>8</sub> "

This 50-foot, 70-ton gondola is one of the most common cars of its type found on the American railroads today. It carries coal, gravel and scrap metal. They are also used to carry commodities which are too large to fit into any type of box or house car. The body of this kit is made up entirely of aluminum castings as well as the hardware. The kit is extremely easy to assemble. Your model pike needs at least two or three of these cars. They are painted either red or black. Be sure to specify what color paint you desire. Decalcomania available. See page 43.

OF-136—50-Foot, 70-Ton Gondola Kit.....\$6.50

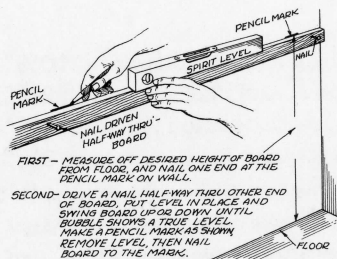
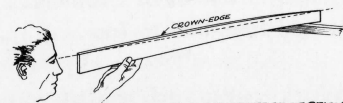


Figure 2



NEARLY EVERY PIECE OF FINISHED LUMBER IS SLIGHTLY CURVED, DUE TO SHRINKAGE. ALWAYS SIGHT THE BOARDS, AS SHOWN ABOVE, AND USE THEM WITH THE CROWN-EDGES UP. THE WEIGHTS THEY CARRY WILL CAUSE THEM TO STRAIGHTEN OUT LATER.

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



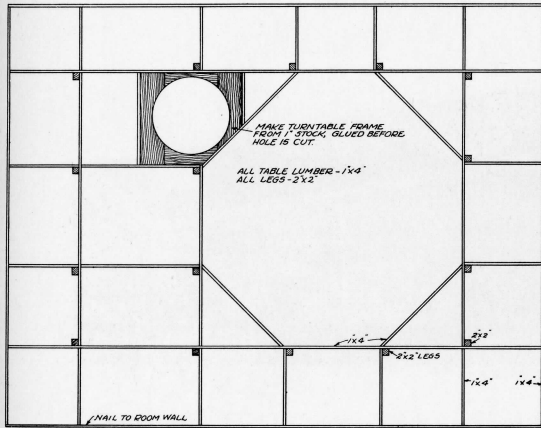


Figure 7

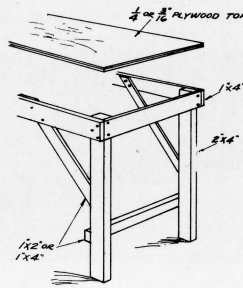


Figure 1

## Building of Tables

As a model railroad system is usually fairly permanent, you should make your plans accordingly. You will find that you will have more fun if you place your system on tables so that you can work in comfort without too much bending over. Small tables are best for the system as they can be rearranged if you decide later to alter your system as you expand it. You can have the tables built inexpensively by a carpenter or you can build them yourself. If you decide to build them yourself, the following sketches will help you.

Figure 1 shows the general construction plan. Figure 2 shows how to line up your back support if you decide to use the wall as one support. Figures 3, 4, 5, and 6 are self-explanatory. Figure 7 shows a plan of a completed framework. Figure 8 illustrates a basic track layout after the table top has been attached, and Figure 9 shows a completed layout.

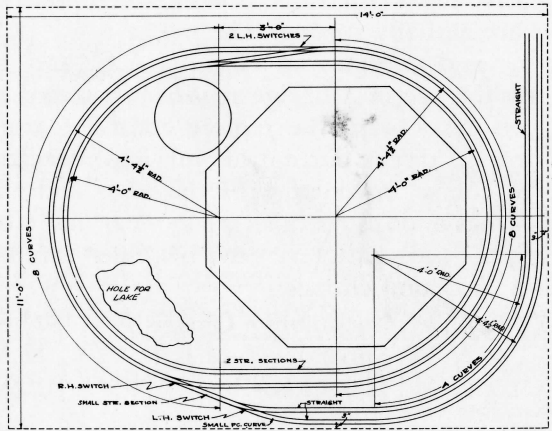


Figure 8

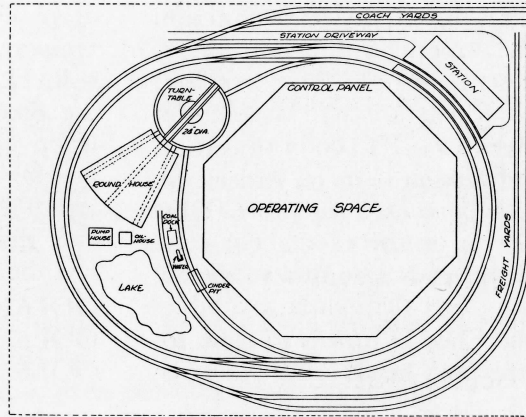


Figure 9

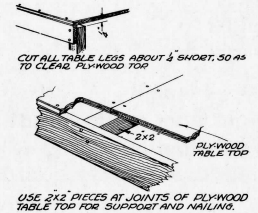
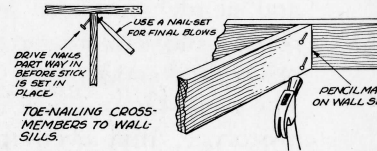
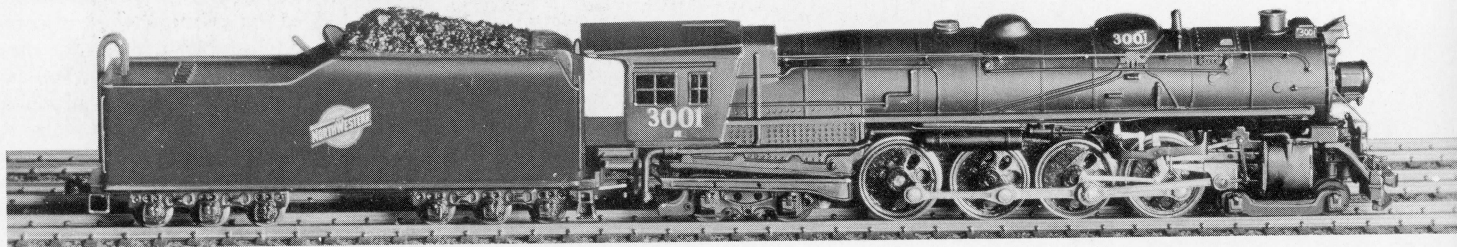


Figure 6



Figures 4 and 5

# OO GAUGE MODELS



## "OO" C & N W Class H Locomotive

### Specifications of Model

Length of locomotive .....	10 $\frac{1}{16}$ "
Length of tender .....	5 $\frac{5}{16}$ "
Overall length .....	16 $\frac{1}{16}$ "
Height from rail to top of stack .....	2 $\frac{1}{2}$ "
Height from rail to top of cab .....	2 $\frac{29}{64}$ "
Width over running boards .....	1 $\frac{3}{4}$ "

The Chicago & North Western Class H (4-8-4) locomotive is one of the largest combination units on American roads. Power of the Class H type is used for fast freight and heavy passenger service on many of the Class A roads, and has made a wonderful record for speed, safety, and economy.

The Scale-Craft model of the Class H unit is so close to prototype, that even the staybolt heads and blow-off

cocks on the firebox have been shown. The smokebox front swings on real hinges, bolt details appear on the throttle cover, and sand piping, pops, and boiler checks stand out clearly. The main frame is so designed that the drive wheels are actually sprung. The motor is a 7 pole Universal type and operates on 16 volts A.C. and 12 volts D.C. By the use of a bridge rectifier mounted in the tender you can obtain the remote control feature when operated on direct current. Paint and decalcomanias are of course included with the kits, and the assembly drawings and instructions are so clear and concise, that even the most inexperienced beginner can follow them to a successful climax.

OOL620—C. & N. W. Locomotive Chassis Kit . .	\$21.50
OOL621—C. & N. W. Superstructure Kit . . . . .	13.50
OOL622—C. & N. W. Tender Kit . . . . .	10.00



## "OO" 4-6-0 Ten-Wheeler Locomotive

### Specifications of Model

Length of locomotive .....	6½"
Length of tender .....	4⅞"
Height from rail to stack .....	2⅜"
Height from rail to cab .....	2 <sup>5</sup> / <sub>16</sub> "
Minimum radius curve .....	26"

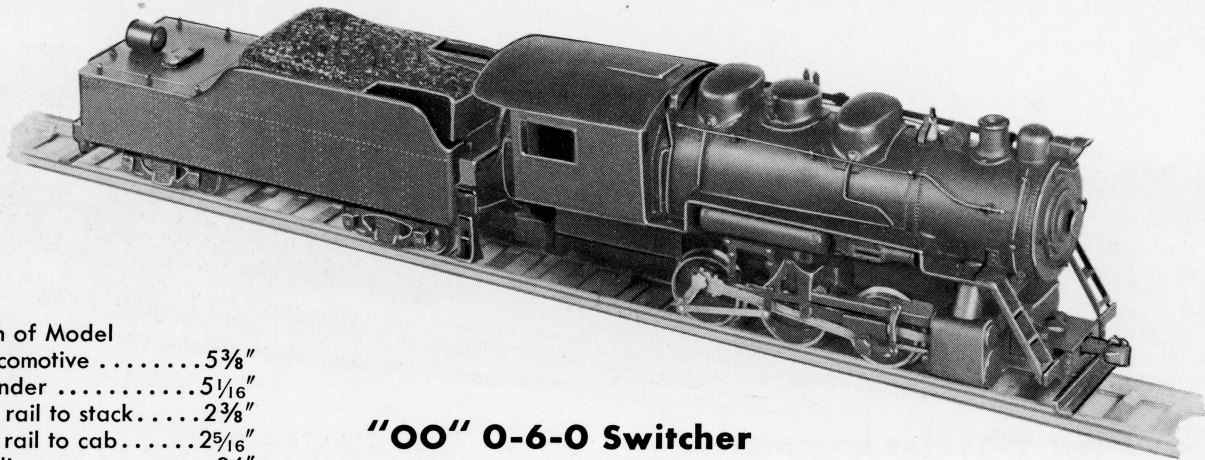
The Scale-Craft ten-wheeler is an exact duplicate exteriorly in miniature of the newest ten-wheeler built by the American Locomotive Company for the Maine Central Railroad. Ten-wheelers, like other light steam locomotives, are disappearing from main line operation except for suburban services but almost every railroad except those which are completely dieselized still are using a great number of ten-wheelers on their way freights and

branch line operations. No model system can be complete without at least one of these locomotives. The superstructure, pilot, underframe and tender body are die cast with the maximum amount of detail possible. Pittman permag motor is used for power and drives through a worm gear. This gives the locomotive plenty of guts. All the necessary parts to make a complete locomotive including the paint and your choice of decalcomanias are included in the kit. For decalcomanias, see page 43.

OOL617—Ten-Wheeler Chassis Kit Incl. Motor . \$15.00

OOL618—Ten-Wheeler Superstructure and  
Tender Kit.....\$14.50

**PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS**



#### Specification of Model

Length of locomotive .....	5 <sup>3</sup> / <sub>8</sub> "
Length of tender .....	5 <sup>1</sup> / <sub>16</sub> "
Height from rail to stack.....	2 <sup>3</sup> / <sub>8</sub> "
Height from rail to cab.....	2 <sup>5</sup> / <sub>16</sub> "
Minimum radius curve.....	26"

### "OO" 0-6-0 Switcher

The Scale-Craft 0-6-0 switcher is modeled from a massive short coupled locomotive built by the Baldwin Locomotive Company for the Chicago, West Pullman and Southern Railroad. The prototype was originally designed to move heavy loads in congested areas over track with extremely small radius curves. The model, like its prototype is massive.

The superstructure and main frame are made entirely from highly detailed stampings and they are so designed that it is a reasonably easy job to assemble. There is no machining and very little drilling required. Like its prototype, small boxpok drivers are used. The model must be seen to be appreciated.

The tender is beautifully detailed die casting, and carries the usual rear headlight and step. The coal pile also, is the last word in realism, and lends the final touch to this perfect little power unit that makes its bow to the model public, as it prepares to serve the switching yards of little pikes throughout the country.

The power is supplied by Pittman per-mag motor through a worm gear, giving more than enough power to start those heavy loads. Your choice of decalcomanias on page 43.

OOL643—0-6-0 Chassis Kit, including Motor . . . \$14.00

OOL644—0-6-0 Superstructure Kit..... 14.00

OOL645—0-6-0 Tender Kit..... 7.50



## "OO" Gas-Electric Cars

### Specifications of Model

Length over End Sills, Passenger Car.....	12"
Length over End Sills, Baggage Car.....	12"
Extreme Width, Both Cars.....	1 5/8"
Height to Center of Couplers, Both Cars.....	15/32"
Height from Rail to Top, Both Cars.....	2 1/4"

Scale-Craft's latest contribution to model railroading's passenger equipment is a pair of OO gauge Gas-Electric cars, also known as "G-E" cars. These new cars are of the die-shaped, steel side type, similar to our new passenger line. The sides are completely finished, window beading and drip rails are faithfully brought out, and the ends likewise. Floor and roof are of wood and rigid in the extreme. All body details are furnished, and the

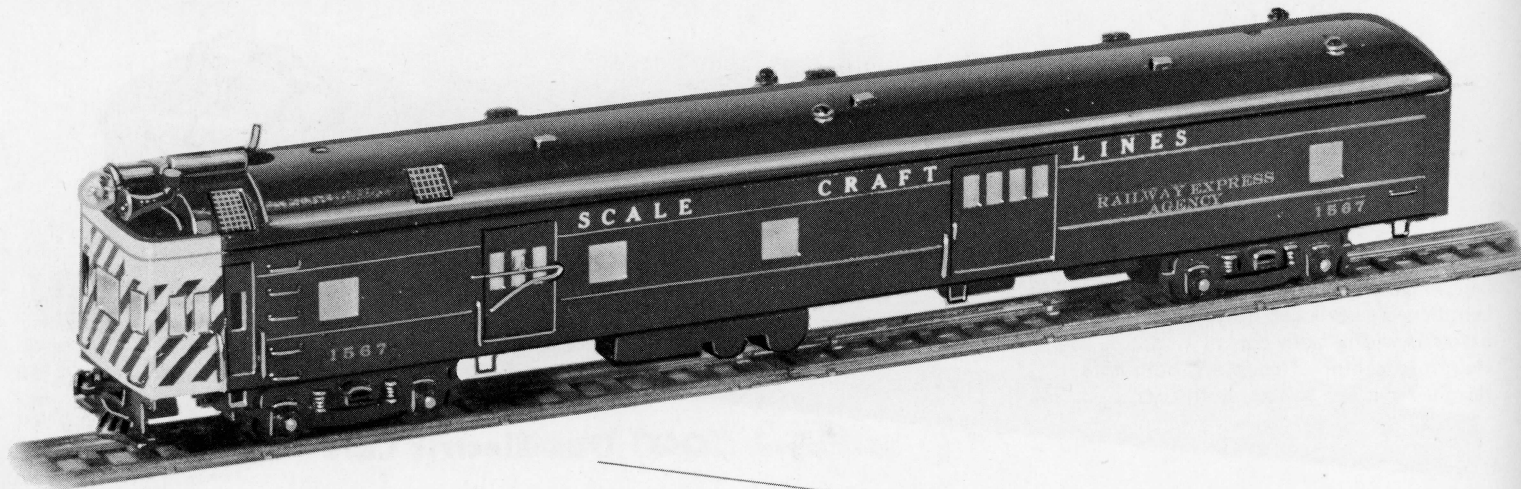
operations incident to assembly of the kits are interesting and pleasurable.

The heart of these units is the power truck, and it is the last word in ruggedness and simplicity. The axle drive is by twin worms which take power to both pairs of wheels. No chains or rubber bands are used, and the worm shaft is driven by wide-faced spur gears and countershaft. The motor is anchored in the car body, and comes completely assembled and tested. Normally we supply Pullman green paint. However, we will substitute any other single color you desire. Choice of decalomania, page 43.

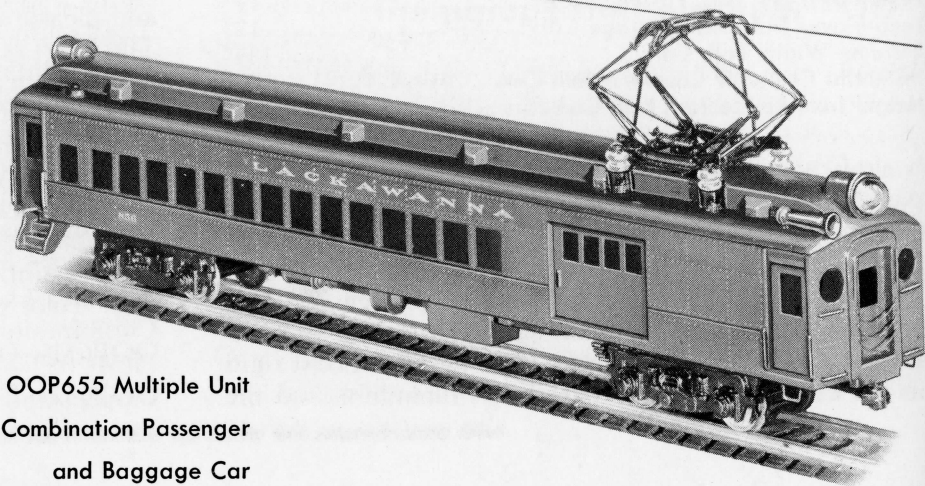
OOP651—Gas-Elec. Comb. Coach-Bagg. Car Kit. \$22.50

OOP652—Gas-Elec. Comb. Bagg.-Mail Car Kit.. \$22.50

**PAIN, DECALOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS**



OOP652  
Gas-Electric  
Combination Baggage  
and Mail Car



OOP655 Multiple Unit  
Combination Passenger  
and Baggage Car

#### Specifications of Model

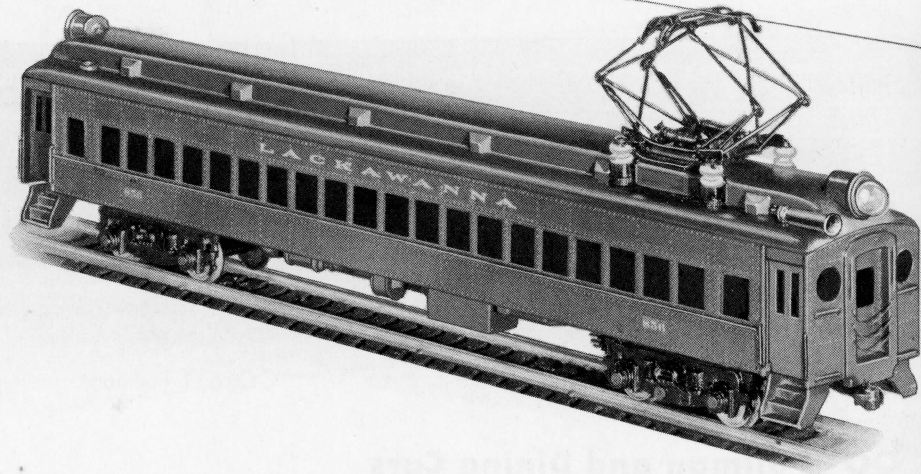
Length over end sills, passenger car . . . 11½"

Length over end sills, baggage car . . . 11<sup>7</sup>/<sub>16</sub>"

Extreme width, both cars . . . . . 1<sup>5</sup>/<sub>8</sub>"

Height to center of couplers, both cars. 1<sup>5</sup>/<sub>32</sub>"

Height from rail to top, both cars. . . . . 2¼"



## "OO" Multiple Unit Equipment

We are offering for the first time multiple unit equipment for the model railroad fan who desires overhead power operation. Prototypes of these models can be seen in suburban service on such railroads as the Lackawanna, New York Central, New Haven, Pennsylvania, Illinois Central, and many others. Our standard passenger and baggage cars can be used for trailer equipment. While we are not offering any combination baggage and passenger cars, they can be made with a little effort by combining a passenger car and a baggage car body. For those who desire to attempt this combination, we are

listing a special baggage car body kit at a reduced price. The kits for the multiple unit equipment consist of detailed die cast bodies, wood roof, working pantographs and assembled power truck and one trailer truck together with your choice of paint, one color only. For decalcomanias, see page 43.

OOP653—Multiple Unit Passenger Car Kit . . . \$22.50

OOP654—Multiple Unit Baggage Car Kit . . . . . 22.50

OOP655—Mult. Unit Combination Car Kit . . . 22.50

An extra baggage car casting must be used to make the Combination Car Kit. This is listed below.

OOP2057—Extra Baggage Car, Body-Casting plus 1 door support and 2 doors. . . . . \$ 2.00

**PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS**



OOP611 Pullman

## “OO” Pullman and Dining Cars

### Specification of Model

Length over End Sills.....	13 <sup>5</sup> / <sub>16</sub> "
Extreme Width.....	1 <sup>9</sup> / <sub>8</sub> "
Height to Center of Couplers.....	1 <sup>15</sup> / <sub>32</sub> "
Height from Rail to Top.....	2 <sup>1</sup> / <sub>4</sub> "

These three great kits are based on the same construction plan. The sides and ends are of metal, accurately formed and faithfully detailed. The floors are of wood, light and strong. The underframes are of metal, and include a wealth of detail.

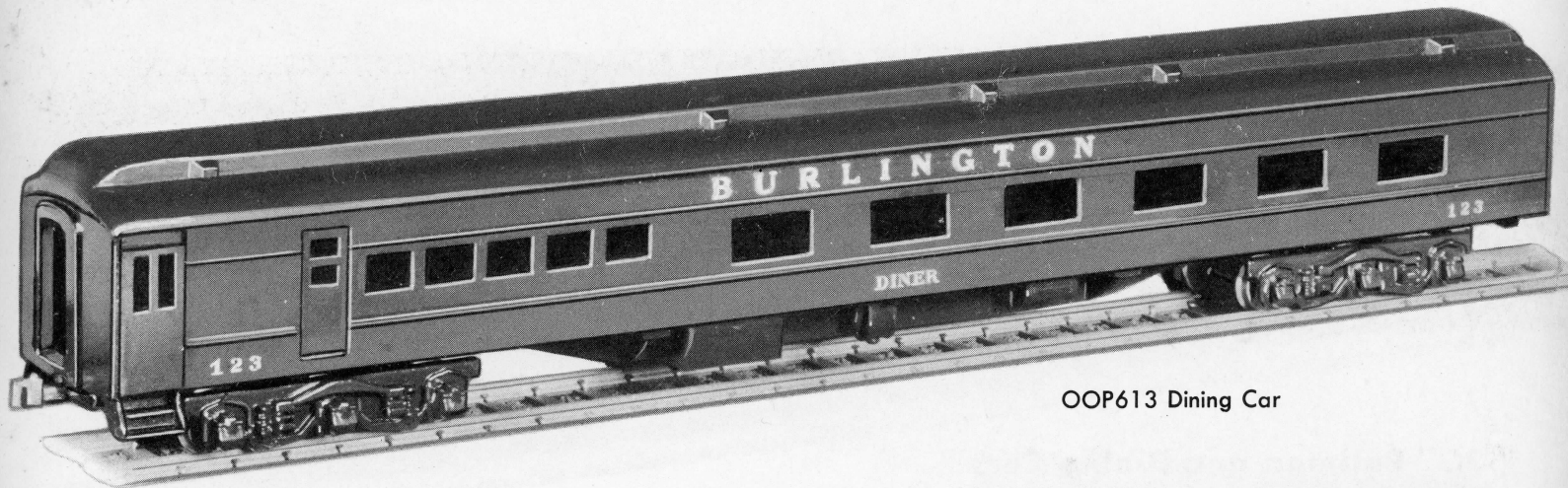
You have a choice of two styles of roof; the monitor type, with individual ventilators, or the air conditioning roof with air conditioning ducts to be attached. Parts for

both types of roofs are included in kits. The new 6-wheel trucks are free rolling, self-equalizing, and strong enough to take hard service.

While our standard color of paint furnished with these kits is Pullman green, we will be glad to substitute any other one color. See page 43 for your decalcomania choice.

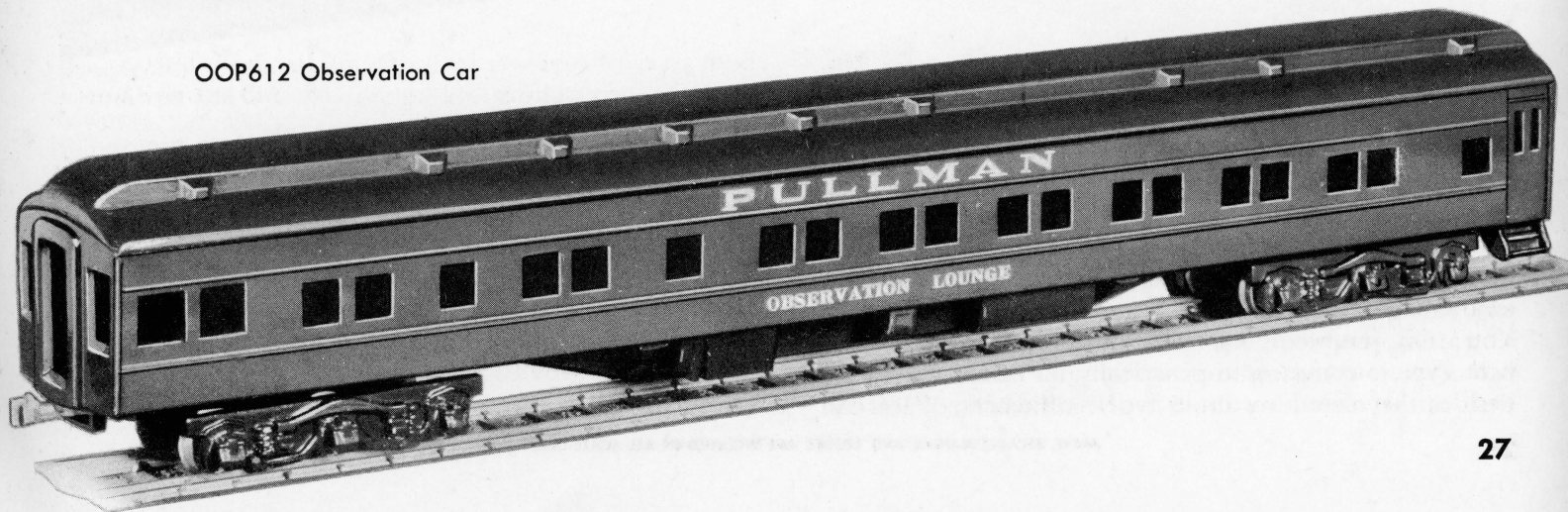
OOP611—Pullman Sleeper Kit.....	\$6.50
OOP612—Pullman Observation Kit Closed End.....	6.50
OOP613—Dining Car Kit.....	6.50

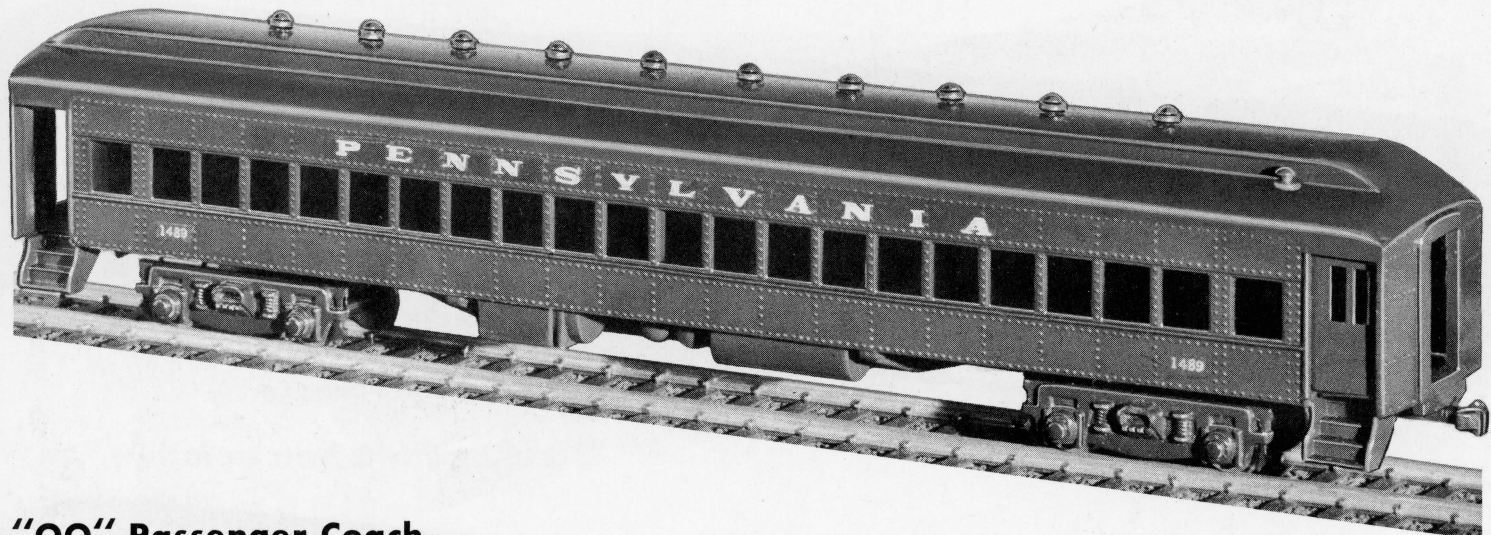




OOP613 Dining Car

OOP612 Observation Car





## "OO" Passenger Coach

### Specifications of the Model

Length over End Sills.....	11½"
Extreme Width.....	1⅞"
Height to Center of Couplers.....	1⅝ <sup>32</sup> "
Height from Rail to the Top.....	2¼"

The Scale-Craft passenger car is one of the most beautiful car models ever produced. It contains a surprising amount of detail. Besides the rivets as shown in the illustration, the model has working doors and traps. The prototype is common to practically all railroads.

Besides the closed vestibule type as illustrated, we can

supply kits with open platforms for suburban use.

The kit consists of a die cast body and ends, stamped metal doors and traps, and a shaped wood roof. Four-wheel roller bearing trucks are standard. You have your choice of decalcomanias as listed on page 43, and one choice of paint.

OOP-614—Passenger Coach Kit.....\$5.75

OOP-656—Pass. Coach Kit with Open Vestibule. 5.75



## "OO" Baggage Cars

### Specifications of the Model

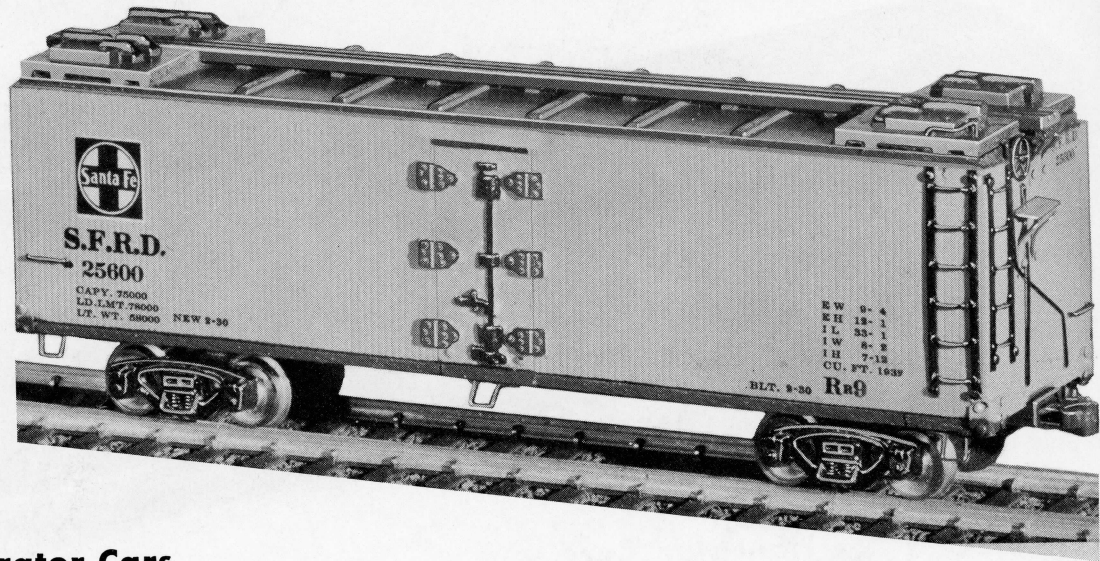
Length over End Sills.....	11 <sup>7</sup> / <sub>16</sub> "
Width.....	1 <sup>5</sup> / <sub>8</sub> "
Height to Center of Couplers.....	1 <sup>5</sup> / <sub>32</sub> "
Height from Rail to the Top.....	2 <sup>1</sup> / <sub>4</sub> "

No railroad system is complete without baggage and express equipment. The Scale-Craft baggage car was designed with the same care as the passenger coach and contains a great wealth of detail including working doors. While roller bearing trucks are standard equipment, plain bearing trucks can be substituted at no extra cost.

Like the passenger cars, either the roof shown on the passenger car or the type of roof on the baggage car can be supplied. The kit consists of a one-piece die cast body, a shaped wood roof, stamped metal door frames and doors. Your choice of decalcomanias as listed on page 43, and one color of paint.

OOP-615—Baggage Car Kit.....\$5.50

*PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS*



## "OO" 40' 6" Refrigerator Cars

### Specifications of the Model

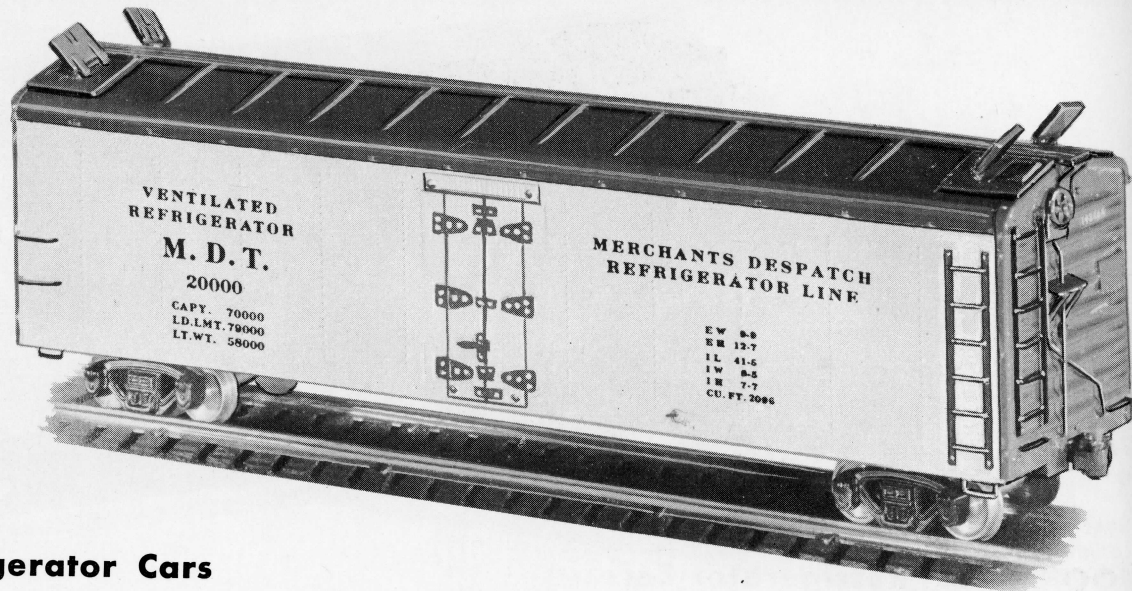
Length over End Sills.....	6 <sup>5</sup> / <sub>8</sub> "
Extreme Width.....	1 <sup>9</sup> / <sub>16</sub> "
Height to Center of Couplers.....	1 <sup>5</sup> / <sub>32</sub> "
Height from Rail to top of Car.....	2 <sup>3</sup> / <sub>16</sub> "

Our 40' 6" refrigerator car is modeled after the old style wooden type of refrigerator which is still extremely popular and can be seen in almost any freight consist in the country. The main purpose of a refrigerator car is to transport fresh food from the farms to the metropolitan areas. As a result, most movements of refrigerator trains

are from the west to the east and the south to the north. The 40' 6" refrigerator kit consists of wood floors, ends, roofs and sides with a die cast underframe and stamped metal hardware, including working ice hatches. As a rule, most refrigerator cars are painted in two colors; one for the sides, and the second color for the roof, ends and underframe. You have your choice of any two colors of paint plus one set of decalcomanias of your choosing listed on page 42.

OOF-607—40' 6" Refrigerator Car Kit.....\$4.75

*PAIN, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS*



## "OO" 50' 6" Refrigerator Cars

### Specifications of the Model

Length over End Sills.....	8¼"
Extreme Width.....	1½"
Height to Center of Couplers.....	15 <sup>5</sup> / <sub>32</sub> "
Height from Rail to Top of Car.....	2 <sup>3</sup> / <sub>8</sub> "

The Scale-Craft 50' 6" refrigerator car is a new addition to our line. So many shippers today are insisting on equipment with larger cubic capacity in order to get the lowest classification in freight rates for their shipments on carload lots. Where their commodity has more bulk than

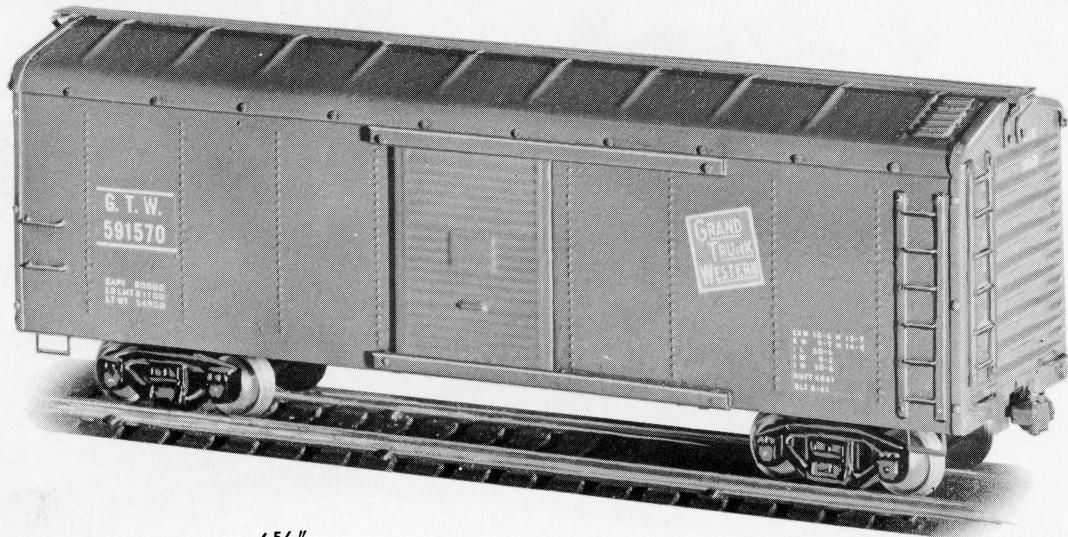
weight, the railroads have found it necessary to construct longer cars.

The Scale-Craft 50' 6" refrigerator car kit is made up of the same materials as the "OO" Steel Auto cars with the exception of course of the doors, and the working ice hatches.

You have your choice of any two colors of paint and one set of decalcomanias listed on page 42.

OOL-626—50' 6" Steel Refrigerator Car.....\$5.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "OO" 40' 6" Box Cars

### Specifications of the Model

Length over End Sills. ....	6 5/8"
Extreme Width. ....	1 1/2"
Height to Center of Couplers. ....	15/32"
Height from Rail to Top. ....	2 3/8"

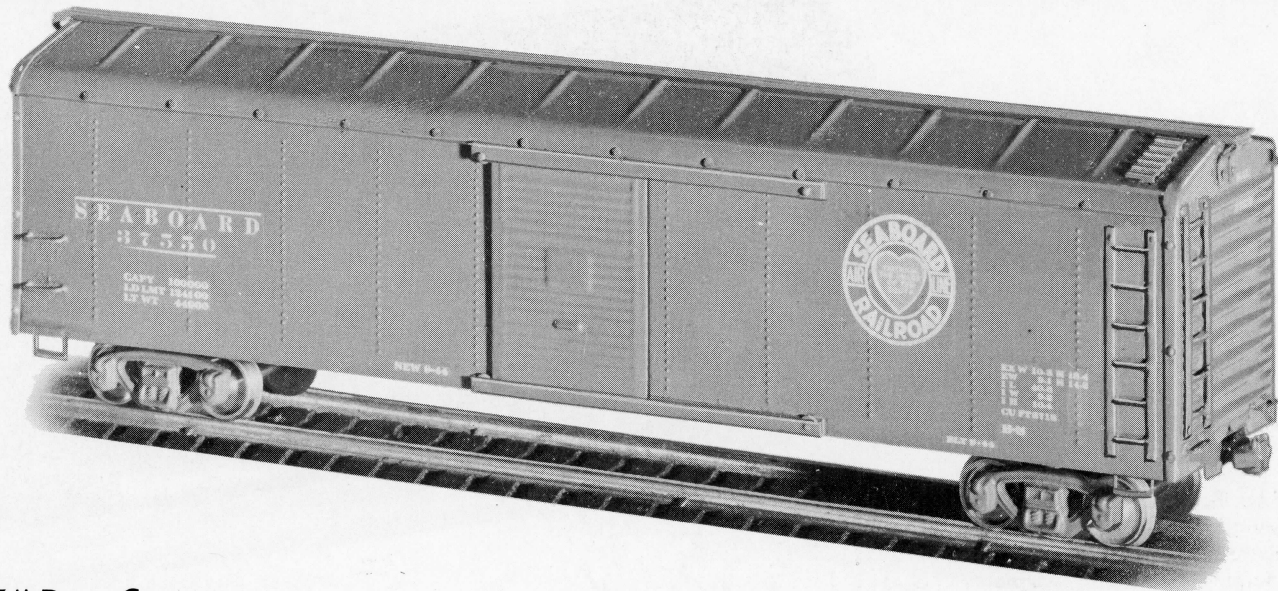
No model railroad could be complete without great quantities of box cars of the 40' 6" size, neither is it possible for a model railroad pike to operate without at least four or five. In actual practice, a 40' 6" box car is used for practically every known type of commodity. The Scale-Craft box car is taken from the standardized A.R.A. design, and closely follows the prototype. Its full metallic construction permits the reproduction of rivets, and other details to a fine degree. Sliding doors add to

the realism of the job, and miniature lading may be shown in the cars. These actual loads lend a master touch to the compositions you make when you send your trains over the line. There is but little actual work to perform when assembling one of these box car kits. They fit together perfectly, and stay that way.

Each kit contains all necessary parts, your choice of box car red paint or yellow paint, and your choice of decalcomanias which are listed on page 42.

OOF-630—40' 6" Steel Box Car Kit.....\$5.50

**PAIN, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS**



## "OO" 50' 6" Box Cars

### Specifications of the Model

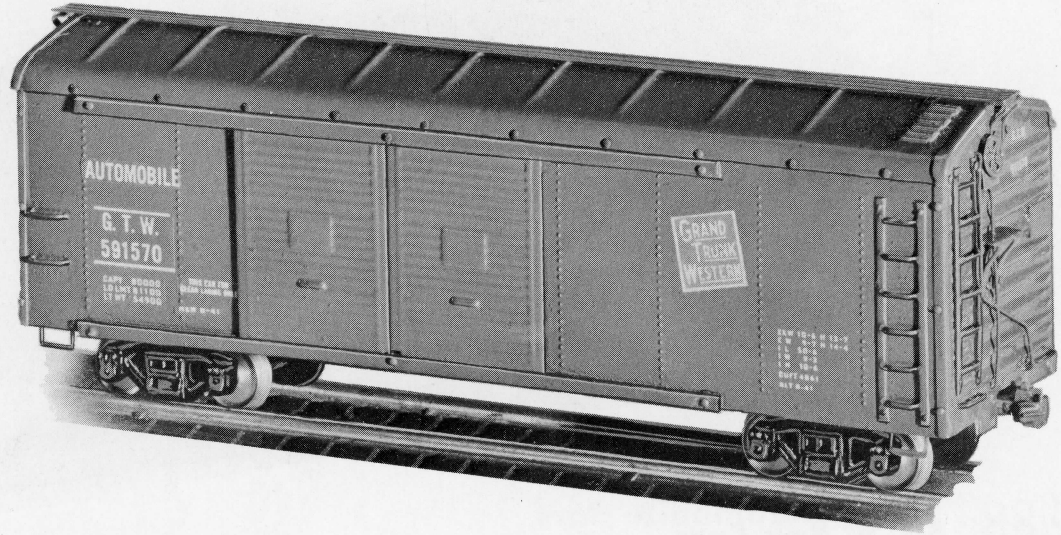
Length over End Sills.....	8 $\frac{1}{4}$ "
Width.....	1 $\frac{1}{2}$ "
Height to Center of Couplers.....	1 $\frac{15}{32}$ "
Height from Rail to Top of Car.....	2 $\frac{3}{8}$ "

Our new 50' 6" box car is modeled from drawings of the Pullman Standard Manufacturing Company. Pullman type cars are used on practically all class one railroads in the United States and Canada. As a rule the 50' 6" box cars are used for commodities that have rather large bulk

per piece, and are fairly light in weight so that the shipper can get lower carload rates. The kit is made up of stamped metal sides, ends, roof and underframe, mounted, of course, on a special wood frame. Working draft gears are standard equipment. Every model pike should have both 40' 6" and 50' 6" equipment to be considered complete. You have your choice of any one set of decalcomanias as shown on page 42, and one color of paint.

OOF-627—50' 6" Steel Box Car Kit.....\$5.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "OO" 40' 6" Automobile Cars

### Specifications of the Model

Length over End Sills.....	6 <sup>5</sup> / <sub>8</sub> "
Extreme Width.....	1 <sup>1</sup> / <sub>2</sub> "
Height to Center of Couplers.....	1 <sup>5</sup> / <sub>32</sub> "
Height from Rail to Top.....	2 <sup>3</sup> / <sub>8</sub> "

This is the maiden appearance of the Scale-Craft auto car. While auto cars are primarily designed for the transportation of assembled automobiles, actually they are used for practically every type of load that a box car

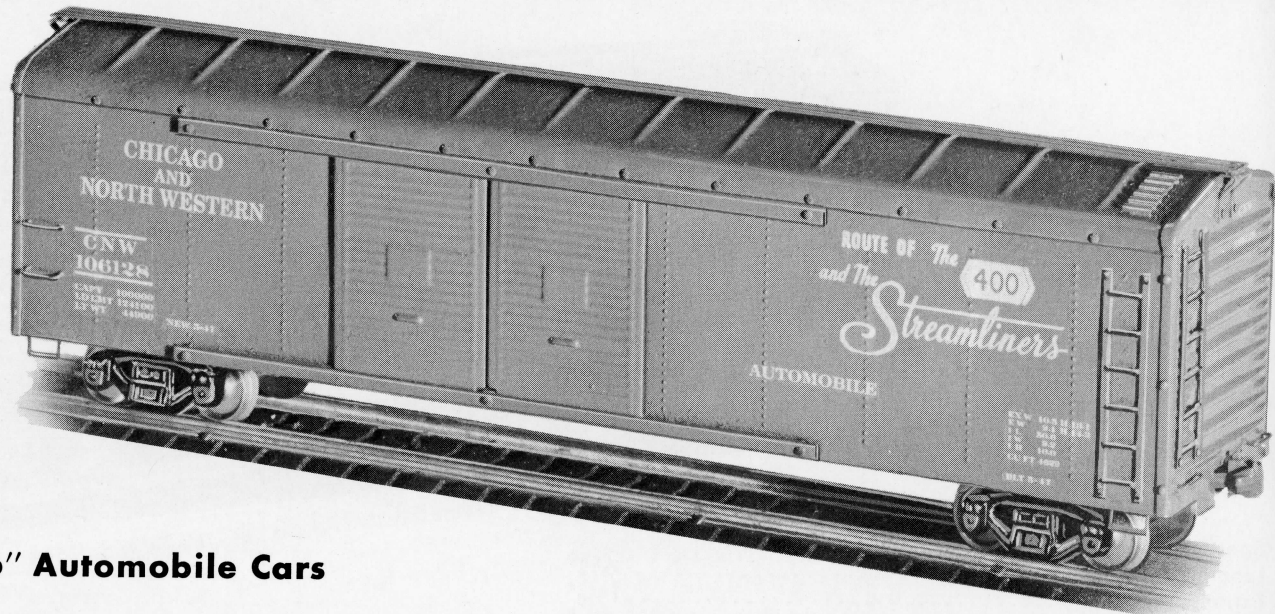
handles plus those commodities which require larger door openings than the usual box cars have.

The exterior details of the auto car are made entirely of stamped metal parts. The body is built around a wooden frame and is easy to assemble. Your choice of box car red or yellow paint. Decalcomanias are included. For your choice of decalcomanias see page 42.

OOF-628—40' 6" Steel Automobile Car Kit . . . . \$5.50

**PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS**





## "OO" 50' 6" Automobile Cars

### Specifications of the Model

Length over End Sills.....	8 $\frac{1}{4}$ "
Width.....	1 $\frac{1}{2}$ "
Height to Center of Couplers.....	1 $\frac{5}{32}$ "
Height from Rail to Top of Car.....	2 $\frac{3}{8}$ "

The 50' 6" Scale-Craft Automobile Car follows the same general prototype as the 40' 6" except that it is longer. We have added this car to our line because of the increasing popularity of the longer length car in actual railroad practice. Probably more newsprint rolls are transported in the 50' 6" automobile cars than in any other type of

car for two reasons. First that it is easier to get the rolls in and out of an automobile car because of the larger doorway, and secondly because of the fact that the cars can be loaded to get the lowest freight rate. There are only a very few railroads that do not have an extensive business in handling shipments of paper of one kind or the other.

You have your choice of any decalcomania as listed on page 42, and any one color of paint.

OOF-625—50' 6" Steel Automobile Car ..... \$5.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "OO" Stock Cars

### Specifications of Model

Length over End Sills .....	6 <sup>5</sup> / <sub>8</sub> "
Extreme Width .....	1 <sup>9</sup> / <sub>16</sub> "
Height to Center of Couplers .....	1 <sup>5</sup> / <sub>32</sub> "
Height from Rail to Top .....	2 <sup>3</sup> / <sub>16</sub> "

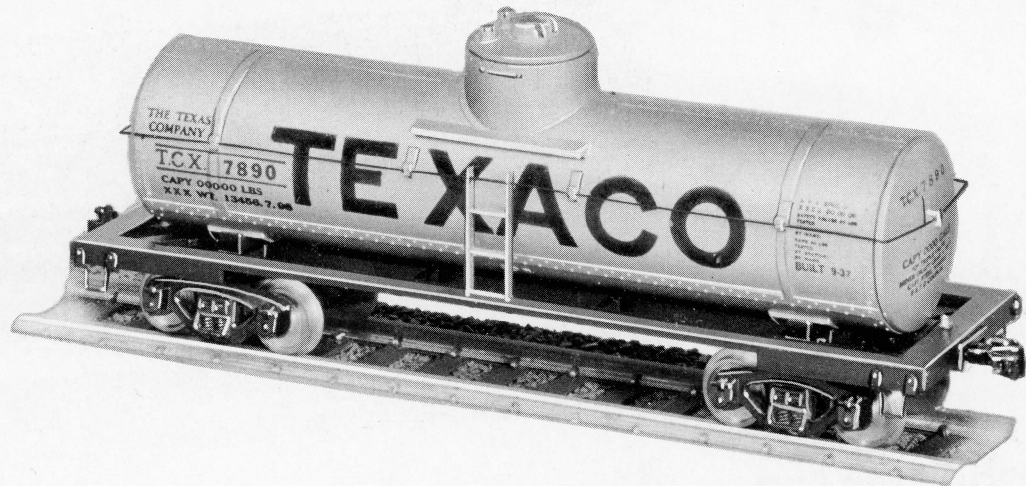
The stock car is a unit that should be in every model railroad layout—several of them, can be used to good advantage. On the full size roads they are indispensable units, as in them only, may live stock be carried. The Scale-Craft stock car is designed with metallic sides, ends, and floor. The roof is of wood, and Ajax brake wheel and trucks are standard equipment. The kits are complete in all respects; paint, metal parts, decalcomanias, and instructions are furnished.

The little stock cars fit nicely into any train you may operate on your line; they are a common sight on the main lines of the country, and short loads are accepted, as well as whole trainloads. They line up in harmony with little stock pens and loading platforms, and lend realism to the agricultural portions of any well planned model railroad layout. Don't forget to include at least a couple of them when you make up your list of cars.

For your choice of decalcomanias see page 43.

OOF-601—Stock Car Kit . . . . . \$4.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "OO" Tank Cars

### Specifications of Model

Length over End Sills .....	5 <sup>13</sup> / <sub>16</sub> "
Extreme Width.....	1 <sup>1</sup> / <sub>2</sub> "
Height to Center of Couplers.....	1 <sup>15</sup> / <sub>32</sub> "
Height from Rail to Top .....	2 <sup>1</sup> / <sub>8</sub> "

Ever stood at a crossing to watch a string of tanks go by? Remember how some of them flashed in the sunlight, as their bright lettering flickered before your eyes and vanished in the distance? What an assorted lot they were! Some old and travel stained, others new and bright. Some with aluminum painted tanks and black lettering—so large that it shouted its message a mile away. And still others, with brightly colored heralds and owner's trade marks.

But old or new, and regardless of paint and letters, they were all mighty important units of industries. Fuel for the nation's defense, base of automotive gasolines and oils, and rival of coal for industrial power, petroleum rides to the refineries in tank cars!

This kit is exceedingly easy to construct. The body, dome and underframe are made from detailed die castings. The hardware is metal stampings. Your choice of any two colors of paint are included in each kit. One is used for the body and one for the underframe. For your choice of decalcomanias see page 42.

OOF-603—Tank Car Kit.....\$4.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "OO" Flat Cars

### Specifications of Model

Length over End Sills.....	7½"
Extreme Width.....	1⅝"
Height to Center of Couplers.....	1 <sup>15</sup> / <sub>32</sub> "
Height from Rail to Top.....	1 <sup>11</sup> / <sub>16</sub> "

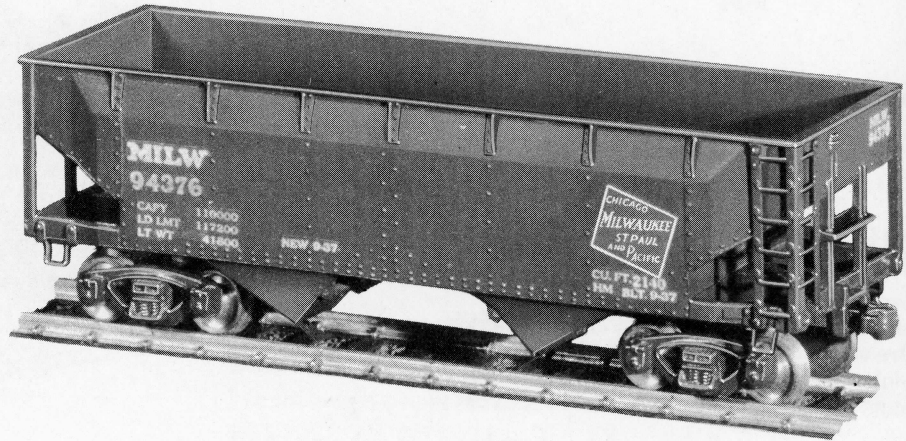
Units of railway equipment are products of necessity, and the flat car is no exception to this general rule. Its lading is usually too large and bulky for hauling in other types of cars. Big generators, tractors, turbines, and structural steel girders, etc., are common lading for the flat car. Quite often, it is necessary to use three flats for a big girder, on account of its length. The center car merely

serving as an idler or spacer, and carrying no part of the load.

The Scale-Craft flat car kit is a marvel of simplicity and realism. Its fishbelly side sills are die shaped, and working stake pockets are furnished. You can set miniature stakes in them, for steadying suitable loads of lumber, logs, etc. Wooden floors are also furnished, so that full realism may be attained. The center members of the cars are of metal. Your choice of red or black paint and any decalcomania shown on page 43.

OOF-602—Flat Car Kit .....\$4.50

PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS



## "OO" 55-Ton Hopper Car Kit

### Specifications of Model

Length over End Sills .....	59/16"
Extreme Width.....	11 1/16"
Height to Center of Couplers.....	15/32"
Height from Rail to Top.....	1 3/4"

What freight train is complete without a few rugged little hopper cars, with their loads of coal, stone, or gravel that are hauled from various sources to the consuming centers by the railroads of the country? These husky little Scale-Craft units will inject a note of realism in your layout, as they have working hopper doors that can drop loads the same as prototype cars. The models are of metal through-out, and are taken from the well known offset-side, 55-ton hopper car that is now almost a standard design on many

roads. It was developed by the Enterprise Car Company of Chicago, to increase the body capacity without widening or lengthening the car. It was a successful design from the very start.

The body including the ends, sides and underframe is one piece of die casting. All hardware are metal stampings. Your choice of red or black paint and decalcomanias as shown on page 43.

OOF-605—55-Ton Hopper Car Kit.....\$4.50

*PAINT, DECALCOMANIAS, AND TRUCKS ARE INCLUDED IN ALL SCALE-CRAFT KITS*

## "OO" Caboose

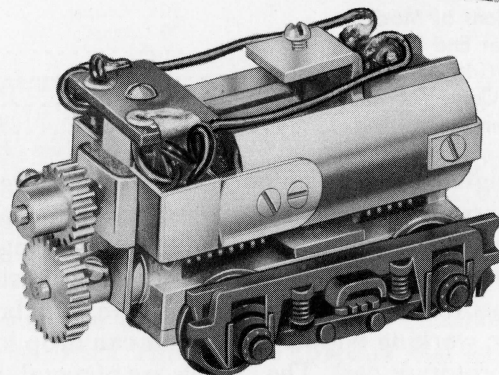
### Specifications of Model

Length over End Sills.....	4 5/8"
Extreme Width.....	1 5/8"
Height to Center of Couplers.....	1 5/32"
Height from Rail to Top.....	2 1/8"

Every main line freight train must have its caboose, and this goes with model railroad trains as well. The Scale-Craft caboose model is all-metal throughout, and fits together like a glove on the hand. It is taken from the all-steel type, as used on the Pennsy and C. & O. Rich in detail, simple to assemble, and true to prototype, it represents long months of development.

This kit consists of die cast body, roof walks and under-frame, including steps and stamped metal ends. While target red is the usual color that cabooses are painted, we will be glad to substitute any other one color of paint you desire. Your choice of decalcomanias as listed on page 43 is also included at no extra cost.

OOF-604—Caboose Kit.....\$4.50



OOX-638—Assembled Gas-Electric Power Unit Including Truck Sides and a Trailer Truck.....\$16.50

## Paint-Floquil

All Scale-Craft kits include model railroad paint. For those who wish additional paint or such Floquil products as thinner, varnish, etc., we stock the standard one ounce bottle. Colors marked with asterisk are not stocked but will be obtained upon request.

### Colors

- |                       |                       |
|-----------------------|-----------------------|
| 1. Engine Black       | *12. Earth            |
| 2. Refrigerator White | *13. Diesel Maroon    |
| 3. Caboose Red        | *14. Diesel Lt. Green |
| 4. Tuscan Red         | *15. Diesel Dk. Green |
| 5. Boxcar Red         | *16. Diesel Lt. Blue  |
| 6. Roof Brown         | *17. Diesel Dk. Blue  |
| 7. Reefer Gray        | *18. Diesel Purple    |
| 8. Reefer Yellow      | 19. Silver            |
| 9. Reefer Orange      | *20. Gold             |
| 10. Pullman Green     | *21. Copper           |
| 11. Coach Green       | *22. Brass            |

### Prices

- All colors except Metallics.....\$.45 per bottle  
 Purple and Metallics.....\$.50 per bottle  
**FREIGHT CAR KIT:** Contains 1 oz. each colors No. 1 to 9  
 and Dio-Sol.....Price \$3.95

### Floquil Preparations

- DIO-SOL:** Thinner and retarder for Floquil Model Railroad Colors. 1 oz.....\$.20  
**GLAZE:** Glossy, waterproof coating. Dries in approximately 15 minutes. 1 oz.....\$.40  
**DIESEL GLOSS:** High gloss, alcohol proof, heat resisting coating. Dries in approximately 4 hours, 1 oz.....\$.45  
**FLOQUIL FLAT VARNISH:**  
 A dull varnish made for use over decals. Not recommended for use over surfaces already painted with flat colors (Floquil Model Railroad Colors). 1 oz.....\$.45

## Special Paint

When you desire an extra color of paint to be included in your kit, there will be an additional charge of 20c for a 1/2 ounce bottle if ordered at the time of shipping. The 1/2 ounce bottles of paint are only available at the time of purchase of a kit under an agreement with the manufacturer.

In all Scale-Craft kits, trucks, paint and decalcomanias are included. There is no reduction in price when trucks are to be omitted.

## Decalcomanias

We include a decalcomania of your choice in every kit. Please pick your railroad and car type from the following list of decalcomanias. If, however, you wish some other decalcomania listed in the Champion Model Company's price list, we will be happy to obtain them for you at an extra cost of 10c.

O Gauge Decalcomania, complete set.....\$.40 each

OO Gauge Decalcomania, complete set......30 each

Please be sure to use decalcomania number and description when placing your order.

"O" No.	Description	"OO" No.
<b>BOX AND AUTO CARS</b>		
CN-137	A.T.S.F. 40' Grand Canyon Line. Red car, white lettering.....	HC-137
CN-29	B. & O. 40' M55c, Red car, white lettering.....	HC-29
CN-28	CANADIAN NATIONAL 40' Red car, white lettering. Green herald.....	HC-28
CN-152	CANADIAN PACIFIC "Spans the World" 40' Red car, white lettering.....	HC-152

"O" No.	Description	"OO" No.
BOX AND AUTO CARS—Continued		
CN-17	C. B. & Q. 40' "Way of the Zephyrs" Red car, white lettering.	HC-17
CN-14	C. N. W. 40' and 50' "400 and Streamliners" Red car, white lettering.	HC-14
CN-15	C. N. W. 40' and 50' "The Overland Route" Red car, white lettering.	HC-15
CN-3	ERIE 40' Large herald. Red car, white lettering.	HC-3
CN-142	GRAND TRUNK WESTERN 50' Red car, white lettering. Green herald.	HC-142
CN-12	GREAT NORTHERN 40' Orange sides, green lettering, red herald.	HC-12
CN-1	M-K-T 40' and 50' "The Katy" Yellow car, black lettering.	HC-1
CN-145	NORTHAMPTON & BATH 40' Grey car, black lettering.	HC-145
CN-151	N. P. "Main Street of the Northwest" 40' Red car, white lettering.	HC-151
CN-30	P. R. R. 50' X41 Red car, white lettering.	HC-30
CN-32	R. I. Express "Route of the Rockets" 40' Green car, dulux gold lettering.	HC-32
CN-7	S. A. L. "Route of the Robert E. Lee" 40' and 50' Red car, white lettering.	HC-7
CN-13	S. A. L. "Route of the Silver Meteor" 40' and 50' Red car, white lettering.	HC-13
CN-6	U. P. The Streamliners—Serves all the West. 40' Red car, yellow lettering.	HC-6
CN-156	U. P. The Streamliners—Serves all the West. 50' Red car, yellow lettering.	HC-156
BOX & AUTO CARS Wood Framed (Exterior Braced) Cars		
CN-33	WABASH 40' Red car, white lettering.	
CN-35	KANSAS CITY SOUTHERN 40' Red car, white lettering.	
TANK CAR		
	CONOCO—Aluminum tank, black lettering. Red, green emblem.	HC-51

"O" No.	Description	"OO" No.
TANK CAR—Continued		
	CRYSTAL CAR LINES—Bright red and black tank, aluminum lettering.	HC-63
	DEEP ROCK OIL CORP.—Black tank, yellow lettering.	HC-188
	MOBILGAS—Bright red tank, white lettering.	HC-65
	SHELL OIL CO.—Orange tank, black and red lettering.	HC-61
	SINCLAIR REF. CO.—Black tank, white lettering.	HC-181
	TEXACO—Aluminum tank, black lettering.	HC-55
FREIGHT REFER DECALS		
R-7	BUDWEISER BEER Green car, white lettering.	HR-7
R-37	FRUIT GROWERS EXPRESS Yellow car, black lettering.	HR-37
R-17	GREEN BAY & WESTERN Grey car, black lettering.	HR-17
R-11	ILLINOIS CENTRAL Yellow car, green lettering.	HR-11
R-10	M.D.T. (new herald) White or orange car.	HR-10
R-16	MILWAUKEE ROAD (URXT) Yellow car, black lettering.	HR-16
R-38	SANTA FE "The Chief" Yellow car, black lettering.	HR-38
R-14	SANTA FE "El Capitan" Yellow car, black lettering.	HR-14
MISC. NEW ADDITIONS		
R-39	NORTHERN PACIFIC Freight Refer, Yellow car, black lettering.	HR-39
EXPRESS REFER & MILK TANKS		
XR-1	DAIRYMEN'S LEAGUE White car, blue lettering.	
XR-2	BORDEN'S FARM PRODUCTS Green car, white lettering.	
XR-3	RENKEN'S MILK & CREAM Green car, white lettering.	
XR-4	CENTRAL VERMONT Alum. car, Green, black lettering.	
XR-5	PENNSYLVANIA Red car, D. Gold lettering.	



"O" No.	Description	"OO" No.
EXPRESS REFER & MILK TANKS—Continued		
XR-6	NEW YORK CENTRAL Green car, D. Gold lettering.	
XR-17	BOWMAN DAIRY CO. Green car, white lettering.	
XR-18	WEST. FRT. EXP. (G. N.) Yellow car, black lettering.	
TWIN HOPPERS		
CN-46	WABASH (panel sides) Black car	HC-46
CN-47	PENNSYLVANIA Red car	HC-47
CN-80	VIRGINIAN Black car	HC-80
CN-82	BURLINGTON Red car	HC-82
CN-86	CHICAGO NORTHWESTERN Red car	HC-86
CN-92	MISSOURI PACIFIC Black car	HC-92
GONDOLA DECALS		
CN-111	M-K-T Red car, white lettering.	
CN-113	CHICAGO & ILLINOIS MIDLAND Black car, white lettering.	
CN-114	NORFOLK & WESTERN Black car, white lettering.	
STOCK CAR DECALS		
CN-102	M-K-T 40' Yellow car, black lettering	HC-102
CN-103	MISSOURI PACIFIC 40' Red car, white lettering.	HC-103
CN-105	UNION PACIFIC Yellow car, red lettering	HC-105
PASSENGER CAR DECALS		
	BALTIMORE & OHIO Standard gold Roman	PH-9
	BURLINGTON Gold Roman	PH-36
	CANADIAN NATIONAL Gold Roman	PH-51
	CANADIAN PACIFIC Gold Roman	PH-52
	CHICAGO NORTH WESTERN Gold Roman	PH-21
	ILLINOIS CENTRAL Gold Roman	PH-18
	MILWAUKEE ROAD Gold Roman	PH-20
	NEW YORK CENTRAL Dulux gold, Standard and Streamline	PH-3
	PENNSYLVANIA PULLMAN with names. Gold Roman	PH-82

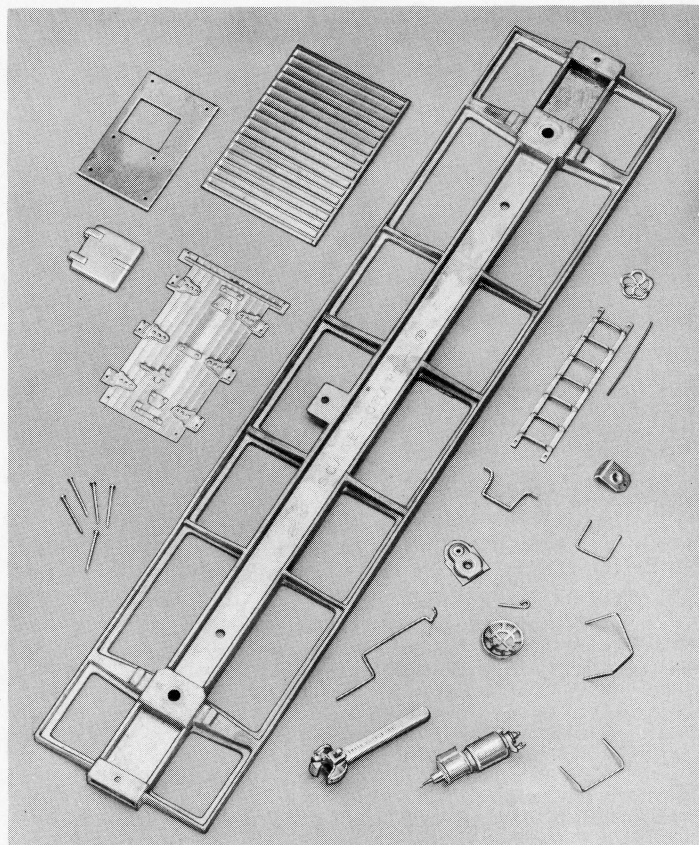
"O" No.	Description	"OO" No.
PASSENGER CAR DECALS—Continued		
	PENNSYLVANIA Standard and Streamline gold Roman	PH-4
	PULLMAN, STANDARD With names. Gold Roman	PH-1
	SOUTHERN PACIFIC Gold Roman	PH-14
	UNION PACIFIC Standard gold Roman	PH-11
STEAM LOCOMOTIVE DECALS		
E-20	BURLINGTON Dulux Gold	EH-20
E-18	CHICAGO NORTHWESTERN Aluminum	EH-18
E-34	MILWAUKEE ROAD Aluminum	EH-34
E-10	NEW YORK CENTRAL White	EH-10
E-9	PENNSYLVANIA Gold	EH-9
E-12	SOUTHERN PACIFIC Aluminum	EH-12
E-13	UNION PACIFIC Aluminum	EH-13
STEAM LOCOMOTIVE NUMERALS		
E-22	White ROMAN	EH-22
FLAT CAR DECALS		
	ERIE Depressed Center. Black Car, White lettering.	HC-94
	CHICAGO NORTHWESTERN 16 wheel, Red car, white lettering	HC-95
	PENNSYLVANIA Red car, white lettering	HC-97
	UNION PACIFIC Red car, yellow lettering	HC-98
	M-K-T Red car, large white lettering	HC-99
CABOOSE & CAMP CAR (MofW) DECALS		
CN-124	BALTIMORE & OHIO CABOOSE Bright Red car, white lettering	HC-124
CN-193	GREAT NORTHERN CABOOSE Bright Red car, yellow lettering	HC-193
CN-121	PENNSYLVANIA CABOOSE Freight Car. Red car, white lettering	HC-121
CN-195	UNION PACIFIC CABOOSE Red or Yellow Car, Yellow and Red lettering	HC-195

## O Gauge Car Parts

*OM-121T—Top Operating Coupler Kit . . . . .	(pair)	\$ .85
OM-121B—Bottom Operating Coupler Kit . . . . .	(pair)	.85
OM-1042—Solid Coupler . . . . .	Pr.	.20
*OF -1045—Brake Cylinder Freight Car . . . . .	Ea.	.12
OF -5098—Brake Platform Freight Car . . . . .	Ea.	.12
*OF -5137—Brake Wheel Housing Ajax . . . . .	Ea.	.10
*OF -5097—Brake Wheel Ajax . . . . .	Ea.	.06
*OF -5057—Brake Wheel ARA . . . . .	Ea.	.06
*OF -5096—Door—Box Car . . . . .	Pr.	.20
OF -5095—Door—Auto Car . . . . .	Pr.	.20
*OF -5053—Door Refrigerator—Freight . . . . .	Pr.	.20
OP -1048—Door Refrigerator—Passenger Express . . . . .	Pr.	.40
OF -5100—Door Runner, Z Bar . . . . .	Doz.	.40
OM-126—Draft Gear Kit—Couplers not inc. . . . .	Ea.	.75
*OM-9027—Grab Irons $\frac{1}{2}$ " Depressed . . . . .	Doz.	.10
OM-9029—Grab Irons $\frac{3}{8}$ " Depressed . . . . .	Doz.	.10
*OM-9028—Grab Irons— $\frac{3}{8}$ " Plain . . . . .	Doz.	.10
*OF -305—Ice Hatch Kits—Set of 4 . . . . .	Set	1.00
*OF -5058—Ladder—Box Car . . . . .	Doz.	.60
Bank Pins—Pkg. of 100 . . . . .	Pkg.	.15
*OF -5101—Poling Pockets—Set of 4 . . . . .	Set	.15
OF -9090—Rivet Band Strip, 33" . . . . .		.25
*OF -9025—Roof Corner Hand Holds with Eyelets . . . . .	Pr.	.05
OF -5056—Roof Walk Braces . . . . .	Pr.	.20
*OF -5060—Steps Box Car . . . . .	Doz.	.25
*OF -1037—Underframe Box Car . . . . .	Ea.	.75
OP -1047—Underframe Express Reefer . . . . .	Ea.	1.00
OM-5059—Truck Clips . . . . .	Doz.	.25
OP -9005—Wheels $\frac{3}{4}$ Passenger Insulated . . . . .	Pr.	.25
OF -9006—Wheels $\frac{11}{16}$ Freight Insulated . . . . .	Pr.	.17

Prices for additional car parts on request.

\*Illustrated.

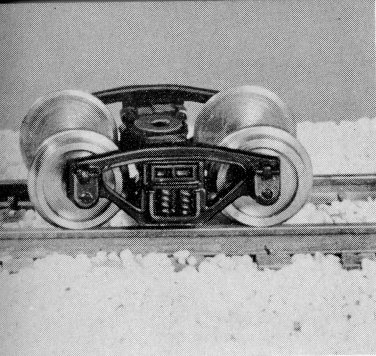


## OO Gauge Car Parts

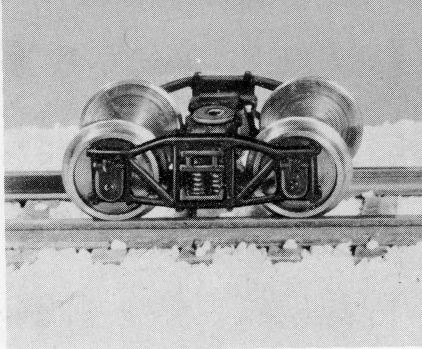
OOM 6028	Bolster Clip . . . . .	per doz.	\$0.20
OOF 6106	ARA Brake Wheels . . . . .	ea.	0.05
OOF 6122	Brake Platform . . . . .	set of 2	0.10
OOF 4005	Brake Cylinders . . . . .	ea.	0.10
OOF 6191	Brake Wheel Housing . . . . .	ea.	0.05
OOM 9057	Bolster Screw Self Tapping . . . . .	doz.	0.25
OOM 2006	Couplers (Solid) . . . . .	pr.	0.20
OOP 6128	Door—Baggage Car, Right or Left . . . . .	ea.	0.05
OOP 6124	Door—Passenger Coach, Right or Left . . . . .	ea.	0.05
OOP 6018	Door—Pullman, Diner or Observation, R. & L. . . . .	ea.	0.05
OOP 6019	Door—Kitchen—Diner . . . . .	ea.	0.05
OOF 6117	Door—Box . . . . .	pr.	0.12
OOF 6118	Door—Refer . . . . .	pr.	0.12
OOP 6129	Door Support—Baggage Car . . . . .	ea.	0.20
OOF 6116	Door Guide—Freight Car 40'6" . . . . .	pr.	0.10
OOF 6189	Door Guide—Freight Car 50'6" . . . . .	pr.	0.10
OOP 9081	Ducts—Air—All Cars 12" long . . . . .	ea.	0.10
OOM 646	Draft Gear Kit . . . . .	per pair	0.65
OOF 6190	Door Guide—Auto Car 50'6" . . . . .	doz.	0.10
OOF 6030	Grab Irons, Plain . . . . .	doz.	0.07
OOF 6029	Grab Irons, Depressed . . . . .	doz.	0.09
OOF 6214	Ice Hatch Kit (4 Ice Hatches) . . . . .	ea.	0.65
OOF 6024	Ladders—Box Car . . . . .	ea.	0.05

OOF 6112	Ladders—Hopper Car . . . . .	ea.	\$0.10
OOF 6109	Ladders—Tank Car . . . . .	pr.	0.07
OOF 6119	Poling Pockets (set of 4) . . . . .	set	0.15
OOF 6120	Poling Pocket & End Sill . . . . .	ea.	0.09
OOP 9015	Roof—Pass. Coach—Wood . . . . .	ea.	0.65
OOP 9017	Roof—Pullman—Wood . . . . .	ea.	0.60
OOP 9016	Roof Vents—Side—Wood . . . . .	per doz.	0.50
	Roof Vents—Top—Metal . . . . .	per doz.	0.30
OOF 6121	Roof Walk Braces . . . . .	per doz.	0.50
OOF 6115	Steps—Box Car . . . . .	per doz.	0.25
OOP 6026	Steps—Baggage & Refers . . . . .	per doz.	0.45
OOF 6025	Steps—Hopper & Stock—Offset . . . . .	per doz.	0.60
OOF 2041	Underframe—Stock Car . . . . .	ea.	0.45
OOF 662	Underframe—Steel House Kit 40'6" Inc. Draft Gear . . . . .	ea.	1.35
OOP 2054	Underframe—Pullman Casting . . . . .	ea.	0.60
OOF 661	Underframe—Steel House Car Kit 50'6" Inc. Draft Gear . . . . .	ea.	1.50
OOF 6199	Washers—for Steel Box & Auto Cars . . . . .	doz.	0.15
OOP 9007	Wheels—Passenger, Insulated . . . . .	pr.	0.20
OOF 9008	Wheels—Freight, Insulated . . . . .	pr.	0.17

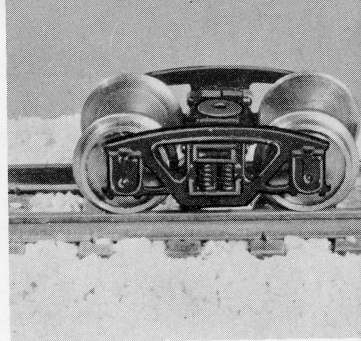
Prices for additional car parts upon request.



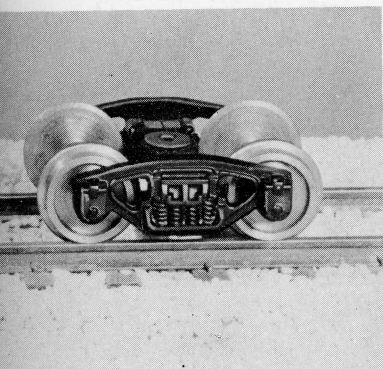
OF 116 ARA Freight Truck Kit .....(1 pr.) \$1.50



OF 118 Arch Bar Freight Truck Kit ..... (1 pr.) \$1.50

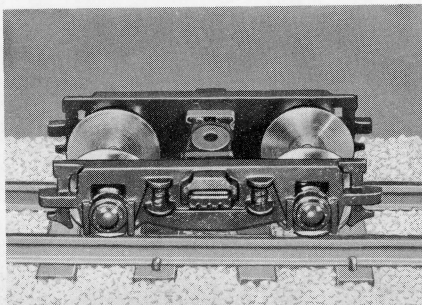


OF 119 Andrews Freight Truck Kit....(1 pr.) \$1.50



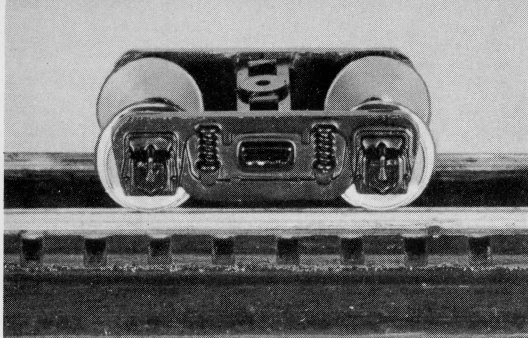
OF 117 Dalman Freight Truck Kit (left).....(1 pr.) \$1.50

OP 120 Four Wheel Roller Bearing Truck Kit.(1 pr.) \$1.75

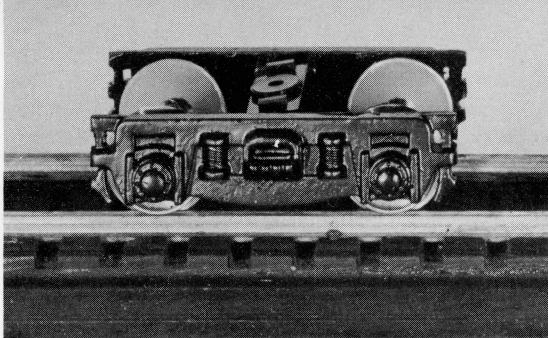


## Scale-Craft Trucks

Scale-Craft trucks are a combination of long experience and sound engineering development. Flexibility is of vital importance in all trucks. Rigid wheel bases cannot perform in a satisfactory manner; it is next to impossible to maintain level road beds, and the trucks must compensate for irregularities. Scale-Craft patented bolster construction allows all wheels to carry their share of body weight to the rails. The result is a road-worthy truck that is free from derailment trouble, light-running, and built to last a lifetime. All Scale-Craft trucks are now designed for quick dismantling and assembling without the use of special

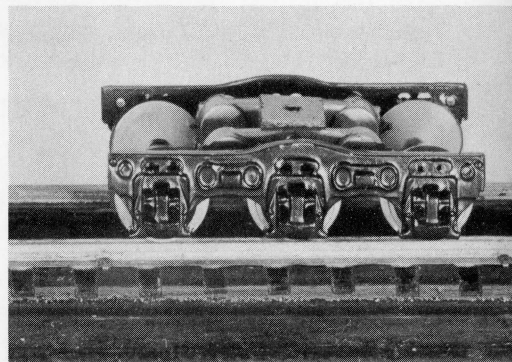


OOP 660 4 Wheel Plain Bearing Truck Kit.....\$1.25

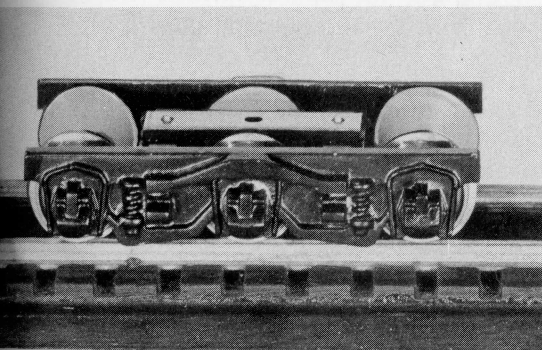


OOP 635 4 Wheel Roller Bearing Truck Kit.....\$1.25

tools. Any model railroader can appreciate the value of being able to barrel his drags over uneven tracks without the constant fear of sudden derailment. Accurate machining to close tolerances and careful selection of material makes Scale-Craft trucks outstanding units of model railroad equipment.

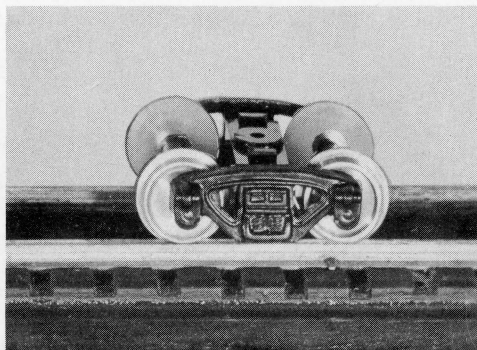


OOL 637 6 Wheel Tender Truck Kit  
\$2.50



OOP 636 6 Wheel Pullman Truck Kit (*left*).....\$1.95

OOF 634 ARA Freight Truck Kit (*right*).....\$1.25



## "OO" Track Equipment

We stock Midlin Models standard "OO" track kits and switches.

"OO" Track Kits consisting of eight 3-foot lengths of track, ballast, cement, fishplate, connectors, extra ties, tie lift for easy assembly, pins and instructions. kit \$7.50

Assembled Switches No. 6, Right or Left....each	\$2.75
OOT-641 Switch Stand Kit—Scale-Craft....kit	.75
Extra Ballast 1½ lbs. can.....each	.30
Extra Cement 1-lb. can.....each	.40
Extra Ties 100 to a box.....box	.25
Extra Fishplates 100 per envelope.....per 100	1.00
Extra Switch Ties 25 per bundle.....per bundle	.50

### MOTORS ETC.—

No. 2 Kendrick & Davis Seven Pole Universal Series Wound Motor..... \$5.00

No. 3 Kendrick & Davis Seven Pole Universal Series Wound Motor..... \$6.50

The two K & D motors above are for use in "O" locomotives and operate on 12 to 18 volt A.C. and 10 to 16 volt D.C. 3/16" shaft.

OOX-639—Scale-Craft Seven Pole Universal Series Wound Motor, 12 volt A.C. or D.C., 3/16" shaft—Used in large "OO" locomotive (C & NW) and small "O" locomotives.....each \$6.50

Pittman DC 71A Permag Motor, 5 pole, 12 D.C.—Shaft .092"

Used in 00 4-6-0 and switcher.....each \$6.50  
1B12R—Bridge Rectifier.....each 2.80  
1B16R—Bridge Rectifier.....each 3.20

The use of the bridge rectifier for polarity reversing with direct current is the latest development in remote control practice. It is trouble proof, simple, and cheap to install. These little rectifying units are placed between the motor field and line; they preserve a constant direction of field current, regardless of line reversals. The result is, that a line reversal reverses the motor—the same as with a permanent magnet outfit. It must be remembered, however, that the bridge rectifier cannot be used with alternating current. It is made for direct current only, and will be burned out in a few moments if used with an alternating current.

TC 1505—Capacitor..... \$2.10

For use with 1B12R and 1B16R Bridge Rectifiers to give smoother flow of power to motors.

## Tools, Drills, Taps, Screws

We are offering for your convenience the following selection of tools, drills, taps and screws. While we are only listing those tools which are fairly difficult to obtain in a local hardware store unless one lives in a large metropolitan area, we can obtain for you practically any tool you desire at the standard retail price, and will be glad to do so upon your request.

As for drills and taps, we are only listing the carbon types for use with hand drills or pin vises. If you use a motorized drill or a drill press, we suggest you purchase the high speed variety. The cost of high speed drills and taps are approximately five times as much as carbon, but they will do a much better job at high speed and last a great deal longer. As a rule you can obtain high speed drills and taps at your local hardware store, but if you find you are unable to, we will be glad to get them for you. Screws, bolts and nuts will be sold only as listed and can be supplied in most cases either made from brass or steel. When ordering be sure to specify the type of head. Prices on all tools are subject to manufacturers' changes and all orders of tools from us are subject to our standard shipping terms shown in the back of the catalog.

### TAPS

#0-80 Carbon Steel Hand Taps.....	\$ .50 each
#1-72 Carbon Steel Hand Taps.....	.50 each
#3-48 Carbon Steel Hand Taps.....	.40 each
#4-36 Carbon Steel Hand Taps.....	.40 each
#6-32 Carbon Steel Hand Taps.....	.35 each

### DRILLS

#1 through #15 Carbon Drills.....	.30 each
#16 through #40 Carbon Drills.....	.25 each
#41 through #80 Carbon Drills.....	.20 each
(In dozen lots, less 10%)	

### MISCELLANEOUS TOOLS

6" Flexible Steel Rule, #10 grad. 32nds & 64ths.....	1.50 each
Drill Gage #1-#60.....	3.50 each
Drill Gage #61-#80.....	4.10 each
Pin Vise 0-.040.....	1.00 each
M.F. #10 T Handle Tap Wrench, 1/16" to 1/4".....	.65 each
#0 List #210 Card 1/16" to 3/16".....	1.50 each
#663 M.F. Clamp on bench vise 1 1/2" jaw width opens 1 1/2".....	2.00 each
Nail sets with 3/32" point 4" long.....	.20 each
Center Punches with 3/32" point 4" long.....	.30 each
Snip 8" length 2" cut.....	1.90 each
#41, 6" long Utica Diagonal Cutting Plier.....	2.35 each
#1033, 6" Utica Long Nose Plier without side cutter.....	1.80 each
Unhardened model makers anvil.....	2.50 each

## Machine Screws

1-72 x $\frac{1}{8}$ —Round, Fillister & Hex Head, Brass . . . Doz.	\$ .60
1-72 x $\frac{3}{16}$ —Round, Fillister & Hex Head, Brass . . . Doz.	.60
1-72 x $\frac{5}{32}$ —Round, Fillister & Hex Head, Brass . . . Doz.	.60
1-72 x $\frac{1}{4}$ —Flat, Round Fillister & Hex Head, Brass . . . . . Doz.	.60
1-72 x $\frac{5}{16}$ —Flat, Round Fillister & Hex Head, Brass . . . . . Doz.	.60
1-72 x $\frac{3}{8}$ —Flat, Round Fillister & Hex Head, Brass . . . . . Doz.	.60
1-72 x $\frac{7}{16}$ —Flat, Round, Fillister & Hex Head, Brass . . . . . Doz.	.75
1-72 x $\frac{1}{2}$ —Flat, Round, Fillister & Hex Head, Brass . . . . . Doz.	.75
1-72 x $\frac{5}{8}$ —Flat, Round, Fillister & Hex Head, Brass . . . . . Doz.	.75
0-80 x $\frac{1}{4}$ —Flat, Round, & Hex Head, Brass and Steel . . . . . Doz.	.60
0-80 x $\frac{3}{8}$ —Flat, Round, & Hex Head, Brass and Steel . . . . . Doz.	.60
0-80 x $\frac{1}{2}$ —Flat, Round, & Hex Head, Brass and Steel . . . . . Doz.	.75
2-56 x $\frac{1}{8}$ —Flat, Round & Fillister Heads, Brass . Gross	.48
2-56 x $\frac{3}{16}$ —Flat, Round & Fillister Heads, Brass . Gross	.50
2-56 x $\frac{1}{4}$ —Flat, Round & Fillister Heads, Brass . Gross	.52
2-56 x $\frac{5}{16}$ —Flat, Round & Fillister Heads, Brass . Gross	.54
2-56 x $\frac{3}{8}$ —Flat, Round & Fillister Heads, Brass . Gross	.57
2-56 x $\frac{1}{2}$ —Flat, Round & Fillister Heads, Brass . Gross	.63
2-56 x $\frac{5}{8}$ —Flat, Round & Fillister Heads, Brass . Gross	.69

2-56 x $\frac{3}{4}$ —Flat, Round & Fillister Heads, Brass . Gross	\$ .75
2-56 x $1\frac{1}{4}$ —Round Head Only—Brass . . . . . Gross	1.25
2-56 x $1\frac{3}{8}$ —Round Head Only—Brass . . . . . Gross	1.80
4-36 x $\frac{1}{8}$ —Flat, Round & Fillister Heads, Brass . Gross	.57
4-36 x $\frac{3}{16}$ —Flat, Round & Fillister Heads, Brass . Gross	.63
4-36 x $\frac{1}{4}$ —Flat, Round & Fillister Heads, Brass . Gross	.63
6-32 x $\frac{1}{4}$ —Flat, Round & Fillister Heads, Brass . Gross	.80
6-32 x $\frac{3}{8}$ —Flat, Round & Fillister Heads, Brass . Gross	.90
6-32 x $1\frac{1}{4}$ —Round Head Only . . . . . Gross	1.85
2-56 x $\frac{1}{8}$ —Set Screw Steel Only . . . . . Each	.05
2-56 x $\frac{3}{16}$ —Set Screw Steel Only . . . . . Each	.05
4-36 x $\frac{1}{8}$ —Set Screw Steel Only . . . . . Each	.05

## Nuts

0-80—Hex Brass . . . . . Doz.	.75
1-72—Hex Brass . . . . . Doz.	.75
2-56—Hex Brass . . . . . Gross	.75
4-36—Hex Brass . . . . . Gross	.90
6-32—Hex Brass . . . . . Gross	1.25

## Wood Screws

#1 x $\frac{1}{4}$ —Round, Flat Head, Steel . . . . . Gross	1.10
#2 x $\frac{1}{4}$ —Round, Flat Head, Steel . . . . . Gross	.69
#2 x $\frac{3}{8}$ —Round, Flat Head, Steel . . . . . Gross	.69

## Self Tapping Screws

2 x $\frac{3}{16}$ —Binding, Flat & Fillister Heads, Steel . . . Gross	.38
2 x $\frac{1}{4}$ —Binding, Flat & Fillister Heads, Steel . . . Gross	.38
2 x $\frac{5}{16}$ —Binding, Flat & Fillister Heads, Steel . . . Gross	.38



## Drills and Taps Used in O & OO Gauge Kits

OF-114 and OF-115 AUTOMOBILE CARS	Drills—#65, #53, #43, #51, #55 OF-111 SUPPLY CAR	OOL-643 0-6-0 SWITCHER SEC. 1 Drills—Upon request	OOO-607 and OOO-608 WOOD REEFER
Drills—#50, #72	Drills—#50, #74	OOL-644 0-6-0 Switcher Sec. 2 Drills—Upon request	Drills—#42, #46, #47, #51, #76
OF-134 and OF-137 HOPPER CARS	OOL-621 C & NW LOCOMOTIVE SEC. 1	OOL-645 0-6-0 SWITCHER SEC. 3 Drills—Upon request	OOP-611, OOP-612, OOP-613 PULLMAN CARS
Drills—#48, #53, #66, #67, #75	Drills—None	OOL-620 C & NW LOCOMOTIVE SEC. 2	Drills—#42, #47, #55, #62, #75
Taps—#1-72	OOL-620 C & NW LOCOMOTIVE SEC. 2	Drills—#42, #43, #47, #48, #51, #71	OOP-614 PASSENGER CAR
OF-104 and OF-105 BOX CARS	Drills—#43, #53, #63, #73, #67	OOF-601 STOCK CAR	Drills—#38, #43, #72
Drills—#50, #74, #68	Taps—#1-72	Drills—#42, #43, #47, #48, #51, #71	OOP-615 BAGGAGE CAR
OF-107 and OF-108 FREIGHT REFRIGERA- TOR CARS	OOL-622 C & NW LOCOMOTIVE SEC. 3	OOF-602 FLAT CAR	Drills—#43, #47, #75
Drills—#50, #68, #74	Drills—#50, #65, #67	Drills—#43, #42, #47, #51, #73	OOF-625 thru OOF-630 STEEL TYPE AUTO BOX OR REEFER
OP-112 and OP-113 EXPRESS REEFER & MILK TANK	Taps—#2-56	OOF-603 TANK CAR	Drills—#50, #55, #72, #76
Drills—#29, #37, #42, #52, #53, #74	OOL-617 TEN WHEELER SEC. 1	Drills—#42, #43, #47, #51, #75	OOP-651 and 652 GAS ELECTRIC UNITS
OF-135 STOCK CAR	Drills—Upon request	OOF-604 CABOOSE	Drills—#42, #47, #52, #59, #64, #74, #5/32, #3/8
Drills—#37, #62, #50, #65, #67, #73	OOL-618 TEN WHEELER SEC. 2	Drills—#42, #43, #47, #48, #51	OOP-653 and 654 MULTIPLE UNIT
OF-136 GONDOLA	Drills—Upon request	OOF-605 HOPPER CAR	Drills—#38, #43, #48, #67, #76, #1/8"
		Drills—#43, #49, #52, #65, #72	

## General Shipping Information

All orders are subject to the following conditions:

### Handling Charge

A handling charge of 15c will be added to all orders totaling less than \$1.00.

A 10% handling charge must be added to all orders totaling less than \$2.99.

All orders over and including \$3.00 will be shipped prepaid in the United States and Canada. Exception —any Canadian customs expense.

### Payment

Payment should be included with orders or the orders will be shipped C.O.D. If shipped C.O.D., C.O.D. charges will be added to your invoice. Illinois sales tax is additional to all prices shown in this catalog where merchandise is shipped to Illinois points. Orders accompanied by a personal check will be withheld from shipment until check has been cleared or until credit has been established.

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### Returns

Written authority must be obtained from us before returning merchandise. Returns made later than 10 days after date of shipment must be accompanied by 10% of the cost, for handling. No merchandise may be returned after 30 days.

### Shortages

Claims for shortages in shipment of merchandise must be made within 10 days from the date of receipt.

### Guarantee

All Scale-Craft products are guaranteed against defects in material and workmanship. Any material found defective will be replaced if notice is made either in writing or a personal visit within 10 days of receipt of merchandise.

**Scale-Craft & Company, Round Lake, Illinois**