

**ARNOLD** *rapido*



**Main Catalog 1968/69**

**N Gauge**  
9 mm between the rails  
Scale 1:160; 2 mm = 1 foot  
Catalog Price 75 cents

# Table of Contents

	Page
"N" Gauge, Scale 1:160 . . . . .	3
Technical Information, Power of Locomotives . . . . .	4
Doubling and Connecting System . . . . .	5
Track Layouts Manual . . . . .	6
Starter Sets . . . . .	7
Track Extender Sets . . . . .	9
European Type Steam Locomotives . . . . .	10
European Type Electric Locomotives . . . . .	13
European Type Diesel Locomotives . . . . .	16
Car Models . . . . .	19
European Express and Junior Cars . . . . .	20
Old Time European Passenger Cars . . . . .	21
Passenger Cars . . . . .	22
Full Length European Passenger Cars . . . . .	23
European Passenger Cars . . . . .	26
European Freight Cars . . . . .	27
Maintenance of Way Cars . . . . .	31
American Type Steam Locomotives . . . . .	32
American Type Diesel Locomotives . . . . .	33
American Type Passenger Cars . . . . .	35
American Type Freight Cars . . . . .	36
The Model Track System . . . . .	38
Power Packs and Control Elements . . . . .	40
Directronic Switch Controls & Signals . . . . .	41
Elements for Automatic Layouts . . . . .	42
Automatic Crossing Gates . . . . .	42
Spare Parts . . . . .	43
Catenary . . . . .	44
Bridges . . . . .	46
Engine Sheds and Maintenance Buildings . . . . .	48
Turntable and Roundhouse . . . . .	49
Building Kits . . . . .	50
Flat Car Loads and Circus Equipments . . . . .	53
"N" Scale Model Cars . . . . .	54
American Type Sets . . . . .	55

 : New Items 1982

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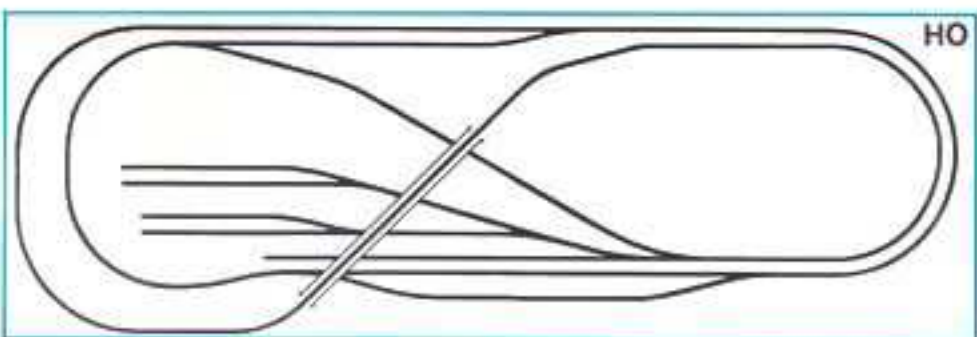
The scale of the 1:160 which has been internationally known as "N" gauge (9 mm) permits the operation of realistically long trains and scale reproduction of station and yard facilities. In spite of their small scale all Arnold rapido locomotives and cars are faithfully reproduced models of their prototypes.



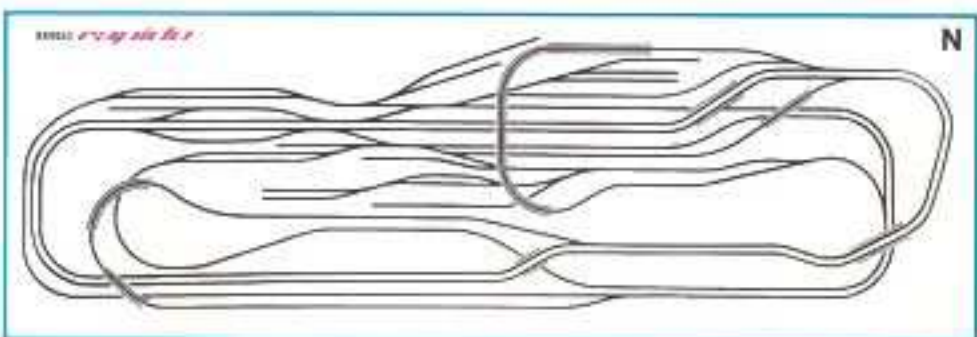
It is interesting to compare the relative sizes of HO and N gauge locomotives. At the left you can compare a German Federal Arnold rapido diesel locomotive, series V 160, which in spite of its much smaller size is reliable in operation and realistic in appearance, and therefore need not fear any comparison.



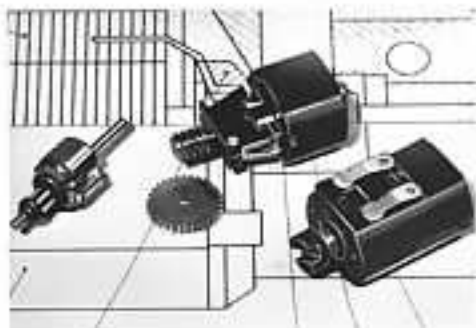
A layout built in "N" scale requires only 1/4 of the area of the corresponding HO layout. This is extremely important if the space available for a model railroad is limited. A much larger model railroad can be set up in the available space.



The advantage of the reduced scale lies in the possibility of running more trains, and setting up more tracks and scenery.



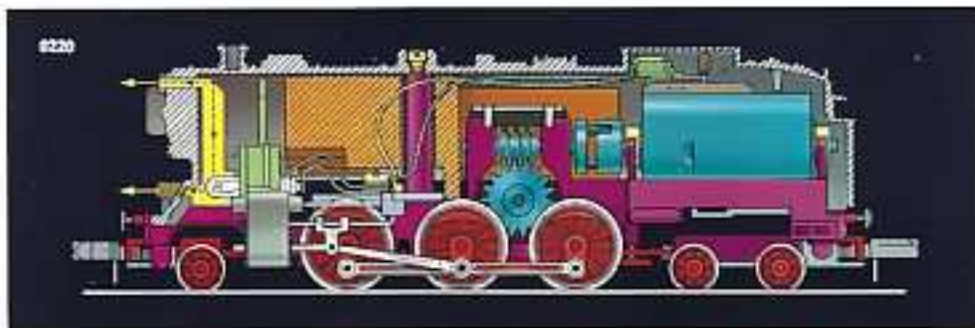
# Technical capabilities of the locomotives



High demands can be made of all Arnold rapido locomotives. The body chassis and motors are extremely robust and dependable. The power used is 12 volts DC which permits the operation from a crawling switching speed to a fast express speed.

The locomotives encompass the experiences of the world's first "N" gauge manufacturer and the latest technical advances.

A cutaway picture shows the mechanism of a locomotive No. 0220.



In order to plan a model railroad layout the table below will indicate the purpose of each locomotive and its pulling ability.

The columns below are as follows:

1. Railroad administration using locomotive.
  2. Locomotive type.
  3. Wheel alignment.
  4. Maximum speed in kilometers (1 mile equals 1.609 km).
  5. Principal use.
  6. Arnold Catalog number.
  7. Weight in grams (28 grams equals 1 oz.).
- D = express passenger trains.  
 P = local passenger trains.  
 Q = freight trains.  
 R = switching.

9 indicates that Arnold rapido-locomotive No. 0202 is capable of pulling either 41 4-wheel cars or 33 8-wheel cars, while on the level. If on an incline, these quantities are reduced as follows:

On a 2% grade to about a half, on a 3% grade to about a third, and on a 4% grade to about a quarter.

Locomotives shaded in column 10 may have switching couplers No. 0700 easily installed. Column 11 indicates if the locomotives are lightened.

Prototype					Arnold-rapido-Model		Pulling capacity										Other		
1	2	3	4	5	6	7	8											9	11
			km/h (max)		Catalog No.	Weight (g)		4 wheel cars / 8 wheel cars											
								5	10	15	20	25	30	35	40	45	50		
001	V 200	B/B'	140		0202	158		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
Rovart	Industrial Diesel	B	50		0203	40		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
Rovart	Baldwin Industrial Diesel	B/B'	50		0204	119		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
002	V 160	B/B'	120		0205	88		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
USA	General Motors GM 64 v	Ba/Ba'	170		0211	102		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
USA	General Motors 2xGM 64 v	2 x Ba/Ba'	170		2 x 0211	204		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
003	BR 5A	1'C1'	100		0220	135		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
004	01	2'C1'	125		0221	130		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
005	BR 8V (1 2)	C	40		0222	50		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
006	BR 21	1'C1'	110		0223	120		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
007	BR 30	C	45		0225	38		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
USA	Oldtimer	0-4-0	40		0226	45		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
USA	Baldwin	0-4-0	40		0227	45		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
008	E 10"	Ba/Ba'	150		0232	112		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
009	E 40	Ba/Ba'	100		0234	112		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
010	E 05	Ca' Ca'	200		0236	115		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
1500	Br' Br'		160		0237	115		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
			160		0238	115		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
011	E 67	Ba	50		0240	40		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
012	BB 9200	Ba' Bv'	160		0248	93		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											
013	BB 9210	Ba' Bv'	160		0249	93		[Bar chart showing pulling capacity for 4-wheel and 8-wheel cars]											



### The Fully Automatic Arnold rapido Coupler.

All locomotives and cars are equipped with fully automatic couplers. They are backed by a buffer spring to insure solid coupling and soft pushing. The three pictures below demonstrate the sequence: Approaching – overriding and coupling – the cars are coupled.

Any car can be pulled out of a train without disturbing the other cars, thanks to the open construction of the couplers.

### The Arnold rapido Uncoupler Track.

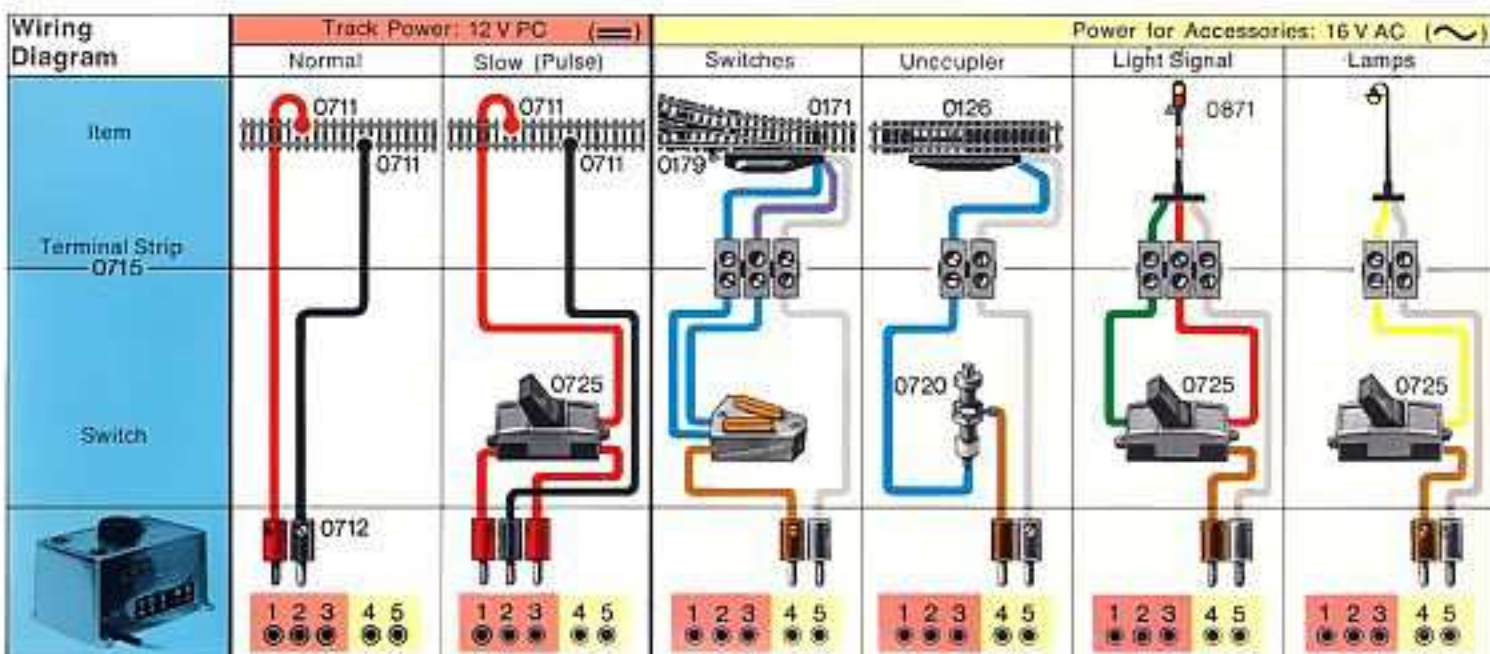
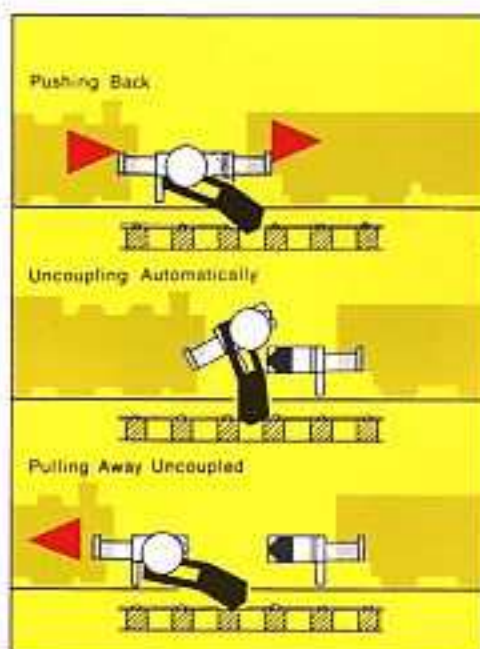
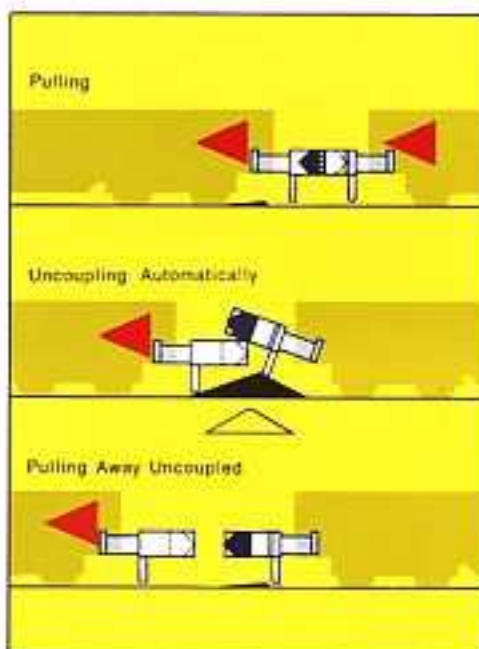
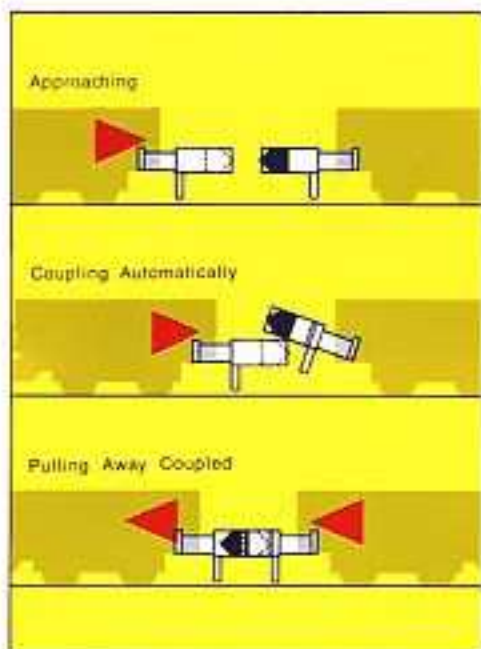
The Uncoupler track number 0126 can be installed in the layout anywhere in place of a half straight track section. It enables the uncoupling of cars by remote control.

To operate the uncoupler track the cars are pulled over same while the ramp is raised. The cars to be uncoupled will then remain behind.

### The Arnold rapido Switching Coupler for Locomotives.

The internationally patented switching coupler 0780 can be installed on locomotives by their owner.

With this cars can be uncoupled anywhere on the layout without an uncoupler track. To operate this coupler a locomotive is reversed and run a very short distance. This raises the coupler and the locomotive can pull away from the cars. If however the locomotive proceeds in the direction of the cars the locomotive and cars will once again be coupled together.



### The Arnold rapido Connecting System.

On the large power pack 0720 a color code is used to simplify the wiring. In our wiring diagram the functions for AC and DC are indicated by appropriate colors.

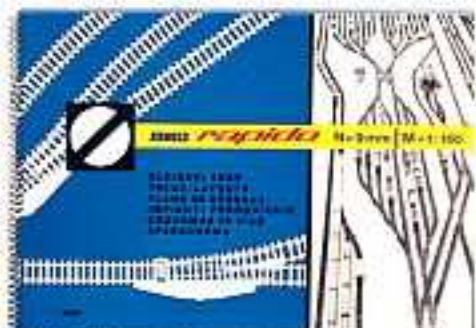
The above table illustrates the functions of the various components. More detailed instructions are included with each item.



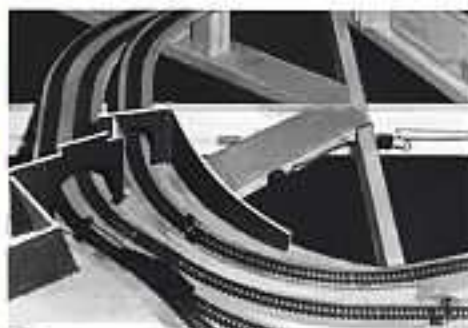
**Manuals for Track Layouts  
N Gauge  
Scale 1:160**



**0021E Track Layouts Leaflet** \$ 2.25  
12 Pages, 4 colors  
The ideal track Book for the beginner. Deals primarily with the track found in starter sets and the track extender packages. Some layouts also use some additional straight and curved tracks.



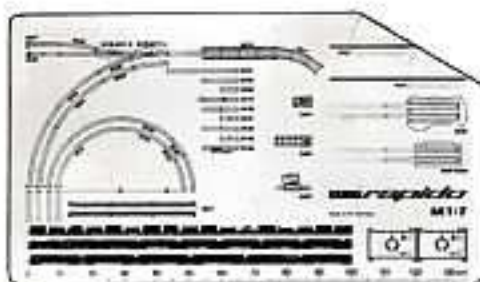
**0000 Track Layout Manual For N Gauge** \$ 3.98  
120 pages, size 8 1/2" x 12" with over 500 illustrations.



The Track Layout Manual – a complete handbook for the small model railroad with large possibilities. 120 full color pages will give the modeler many ideas concerning model railroads and prototype practice. All are illustrated in clear easily understandable diagrams. Beginning with a small layout the book proceeds to the most intricate system on which many trains can operate.

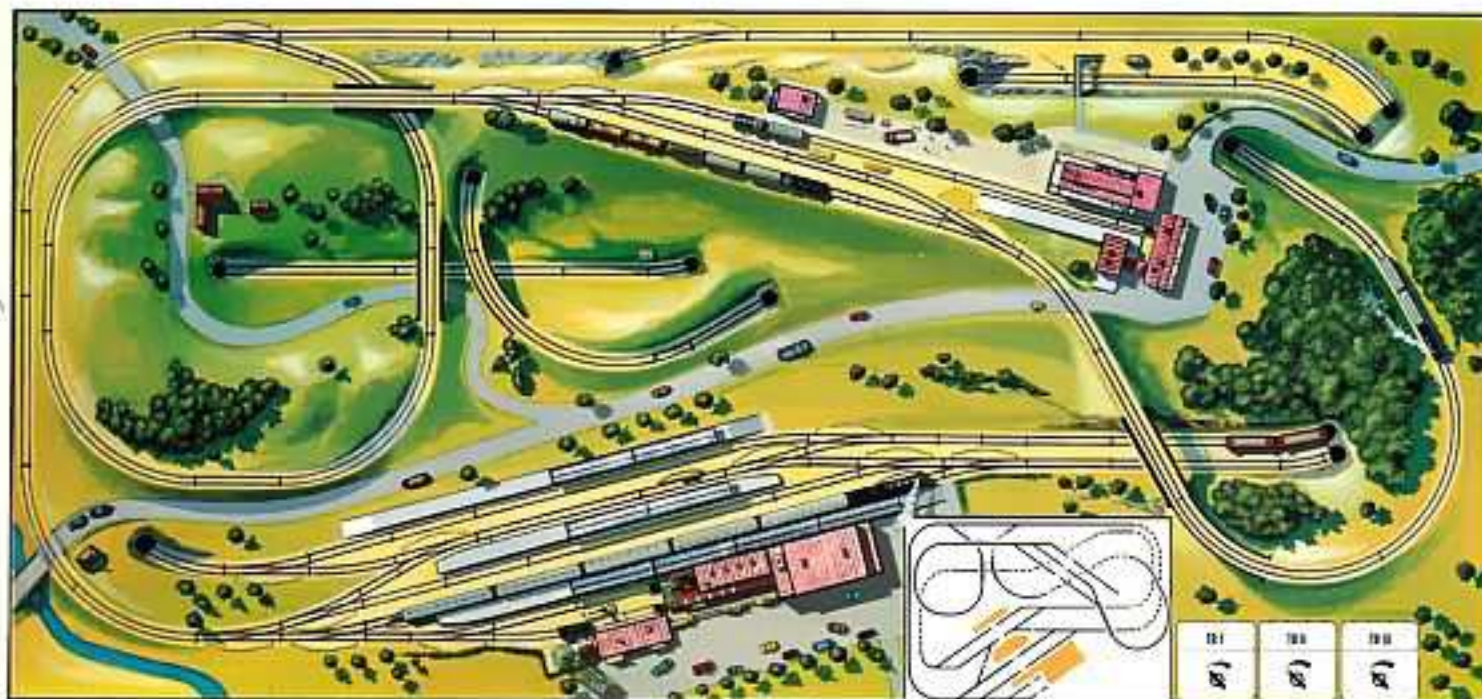


The entire Arnold rapido system is shown visually and verbally together with lists of required material.



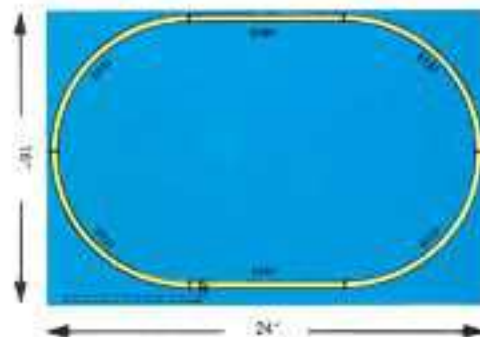
Sample of a track plan from the Arnold rapido Layout manual 0000

Every track layouts manual includes an English translation of the text and a transparent track stencil. This is used to plan layouts of one's own design, to make changes in the illustrated layouts and to identify the track components. Also one can determine the length of station platforms and one can work bridge elements into the layout.





The simplest way of starting in the fascinating hobby of model railroading is through the purchase of a train set. European type sets as well as American type sets are available. The European type sets contain a locomotive, 3 cars, and a 16" by 24" oval of track with a portable re-railer, wire, and terminal clips. Set 021 already includes a power pack, while set 021 contains the track extender set shown on page 3. All train sets are packed in attractive display type gift boxes. These can be used for storing the set.



021 Freight Train with Power Pack \$ 24.95

Length of Train 8 1/2"

Includes industrial diesel locomotive, 2 side-tipping mine cars, low side gondola, terminal clips, track oval, wire, and .6 amp power pack.



041 Passenger Train with Bridge \$ 22.95

Length of Train 11"

Includes Tank Type 0-6-0 locomotive, 2 branchline coaches, 1 baggage car, a bridge with piers, track oval with terminal clips and wire, and re-railer.



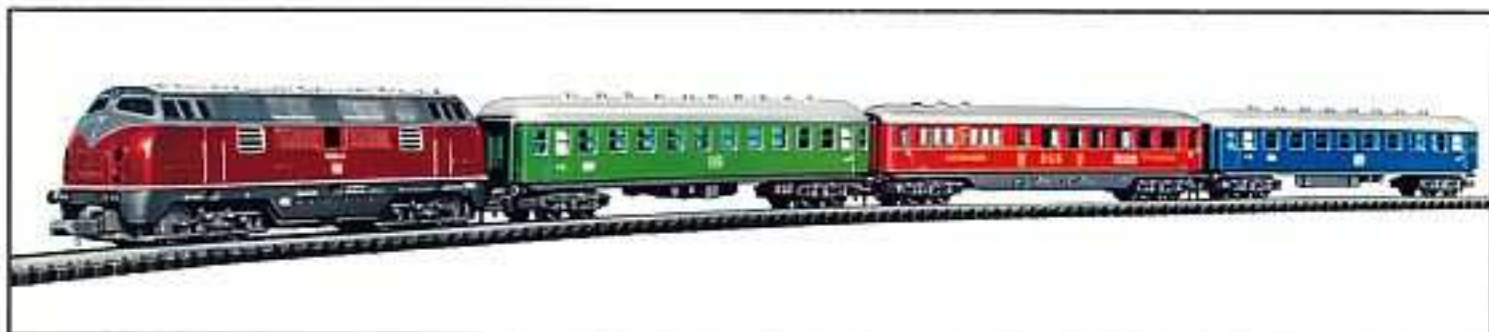
## Starter Sets with Track Oval or Track Layout European Type

(For American Type trains see page 55).



**045 Old Time Passenger Train** \$ 24.98  
Length 10 1/2".

1 tank locomotive series T 3 of German Federal Railroad,  
1 old time passenger car, 2nd & 3rd class,  
1 old time passenger car, 3rd class,  
1 old time baggage car,  
Track oval, terminal clips, connecting cable,  
re-railer. All packed in an attractive gift package.



**046 Express Train** \$ 29.98  
Length 19".

1 Diesel Locomotive series V 200 to the German Federal Railroad,  
1 First Class Coach,  
1 Second Class Coach,  
1 Dining Car.

Track oval, connecting clips, terminal wire,  
re-railer. Packed in attractive gift box with  
transparent cover.



**031 Freight Train With Track Layout** \$ 24.98  
Length of train 9".

One steeple cab locomotive,  
One Fish refrigerator car,  
One covered hopper,  
One gondola,  
Eight full straight track, 0101,  
Two half straight track, 0102,  
Four curved track, 0131,  
Two curved track, 0154,  
One pair manual switches, 0170,  
Two terminal clips, 0111,  
One connecting cable, 0112,  
One re-railer.

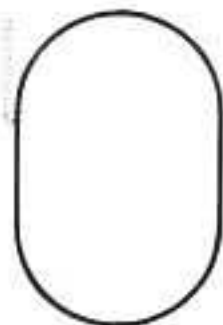


With the tracks included with this set it is possible  
to assemble layouts 1 through 5 as shown on the  
facing page.

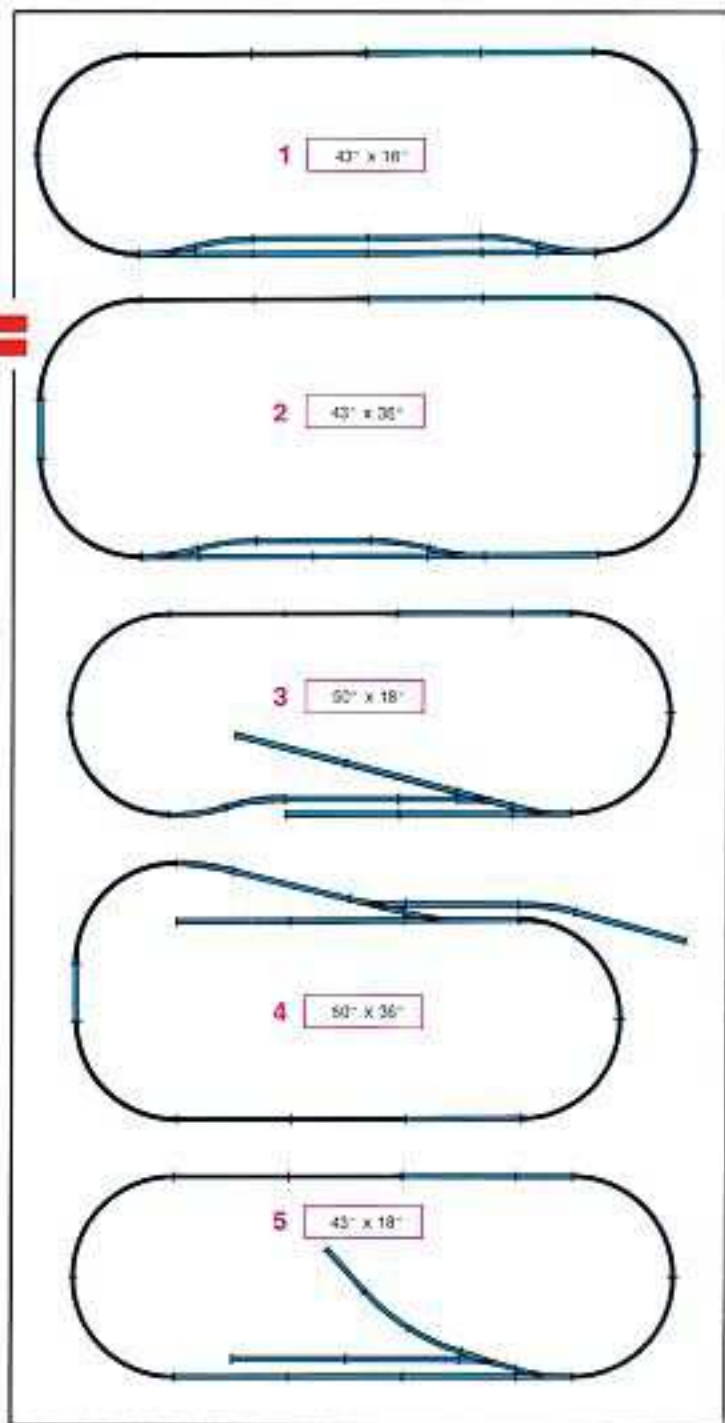
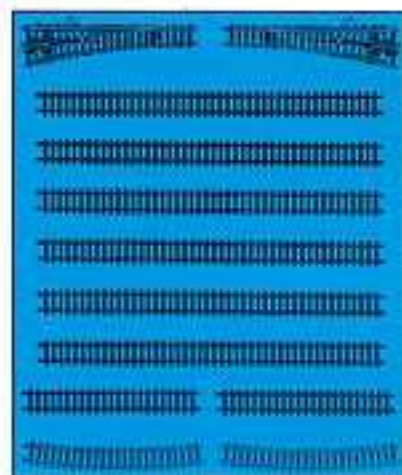
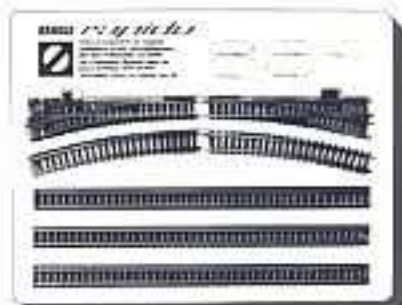


**Starting Sets  
& Track Extender Package  
= 1st Layout**

**ARNOLD *rapido***



The package contains:  
1 Pair Manual Switches,  
6 Straight Tracks 0101,  
2 Straight Tracks 0102,  
2 Curved Tracks 0164.



**014 Track Extender Package \$ 9.50**

With this package a track oval from any train set can already be transformed into a small model railroad layout.

The manual switches 0170 can at any time be electrified by snapping in switch machines 0175. The various track plans 1-5 at the right have been assembled entirely from the contents of the train set plus an Extender Package 014.

At the end of the stub tracks in layouts 3, 4 and 5 either a bumper 0181 or bumper kit 0541 should be used. Track layouts 1-5 can be set up on a card table. It is, however, no great effort to proceed to a permanent layout which includes a station, bridges, streets and scenery.

So for example track plan 5 was placed on a board, size 52" x 17" and decorated with Arnold Rapido accessories. In addition your dealer will have accessories manufactured by other manufacturers, such as Faller and Wifke.

**013 Track Extender Package \$ 8.50**

Contents as above, but with non-electronic manual switches 0177. They cannot be electrified later on.



## Steam Locomotives: Prototypes of the German Federal Railroads



**0220 Tank Locomotive** \$ 24.98

Model of the tank locomotive 66 of the German Federal Railway.

Six axes, wheel arrangement 2-6-4-T. Six wheels are powered. Power pick-up through six wheels. Body and chassis die-cast of metal and finely detailed. Painted and lettered as per the prototype. Fully automatic sprung couplers, front and rear. Three electric headlights at the front. Drive rods trimmed in red.



Since the last of the prototype steam locos are fast disappearing, many tears are voiced that the romance of railroading is gone. The model railroader needs not worry for he has a large choice of models for his layout.

The series 66 is the last steam locomotive developed for the German Federal Railroad. It was placed in service in 1955 and used for local freight and passenger trains as well as for push-pull suburban service. It is capable of speed of 60 miles per hour in either direction.



The tank locomotive of series 80 was first built in 1927 and is used for switching and light service. Its top speed is 30 m.p.h.



**0225 Tank Locomotive** \$ 14.98

Model of series 80. Wheel arrangement 0-6-0-T.

Power pickup on four wheels; powered in four wheels. Chassis of metal, body of super detailed unbreakable plastics. Automatic sprung couplers at both ends. If desired, switching couplers can be installed. Drive rods trimmed in red.



## Steam Locomotives: Prototypes of the German Federal Railroads

ARNOLD *rapido*

### 0222 Old Time Tank Locomotive \$ 17.98

Model of the tank locomotive T 3 of the former Prussian State railways, Germany Federal Railroad series 89.

Six wheels, wheel arrangement 0-6-0-T. Four wheels are powered and pickup current. Body and chassis made of highly detailed metal, brass bell. Fully automatic sprung couplers at both ends, drive rods trimmed in red.



The tank locomotive T 3 was first built in 1878 and is therefore the oldest locomotive which is still found in active service today. It is used in branch line passenger service, for switching and for plant and industrial use.



### 0223 Prairie Locomotive with Tender \$ 27.98

Model of the steam locomotive series 23. Wheel arrangement 2-6-2, all six drivers pick up electricity and are powered. Body and chassis highly detailed die cast metal. Eight wheel tender. Painted and lettered in prototype colors. Sprung couplers at both ends. Three electric headlights. Drive rods trimmed in red.



The steam locomotive of the series 23 was first built during 1950. It is used for light express trains, both freight and passenger, as well as heavy local service.

**Pacific Type Locomotive,  
Series 01, of the German  
Federal Railroad with  
Complete Valve Gear for  
Express Passenger Service**

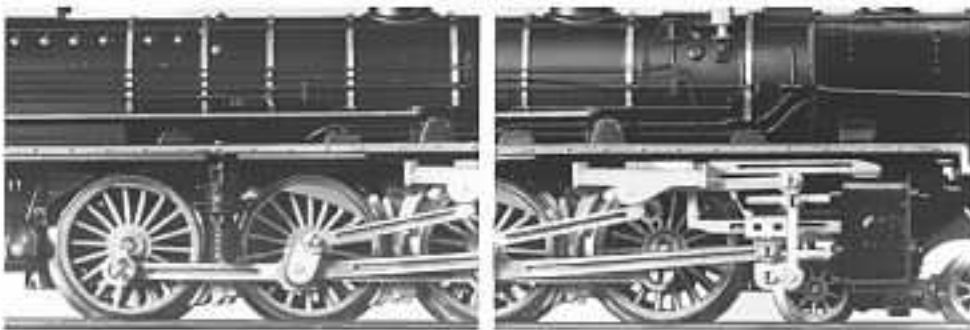


The series 01 Pacific is one of the most popular steam locomotives of the German Federal Railroad. It is still in use to-day on heavy express passenger trains. It is easily recognized by its extra large drive wheels and its length of more than 75 feet. It attains a speed of 80 miles per hour.

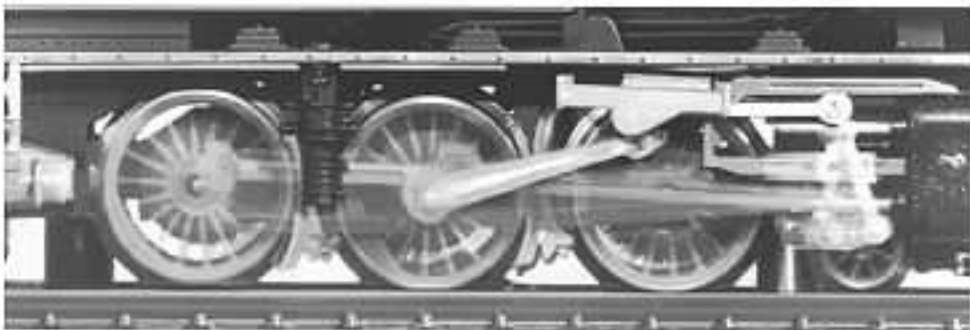


**0221 Heavy Steam Locomotive \$ 29.98**

Model of the Express Passenger Locomotive Series 01 of the German Federal Railroad. Wheel arrangement 4-6-2. Powered by all six drivers. Electricity picked up on all six drivers. All metal construction, imitation glass windows. Spoked drivers, see-through type. Complete 20-part valve gear. Brake shoes between drivers. Super-detailed tender with 8 wheels and lights. Overall length 6".



These unretouched close up photos show the many details such as the brake shoes, the spoked see-through drivers, and the complete 20 part valve gear. The front of the loco has a finely detailed imitation screw type coupler and buffers.



Our model of the 01 Pacific at full speed with a view through the drivers and the working valve gear.

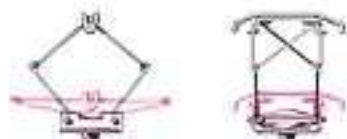


## Modern Electric Locomotives of the German Federal Railways for use on Trans-Europ Express Trains

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The new locomotive series E 03 is the fastest and strongest engine on the German Federal Railroad, and it is the first locomotive designed to operate regularly at speed of 125 miles per hour. It is easily recognized by its elegant and streamlined exterior, and its 6 motors which produce a total of 12,000 horse power. This locomotive is used primarily to pull Trans-Europ passenger trains.

The pantographs of these are designed for actual operation.



**0236 Electric Express Locomotive \$ 24.90**  
 Model of Series E 03 of the German Federal Railroad, 12 wheels in 2 six wheel trucks. Power in 8 wheels; 8 wheels pick up the electricity. Windshields and skylights are backed with imitation glass. 3 headlights at each end which change automatically and light only in direction of travel. Two operating pantographs which can be used to pick up electricity thereby enabling the operation of two trains independly over the same tracks. Overall length 4-1/2".



Birdseye View of Arnold rapido Model of the Model 0236.  
 A set screw for selecting operation from catenary for two rails has been embedded in the roof structure.

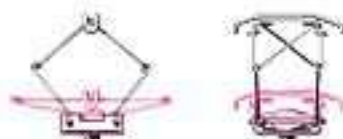
The locomotive excels due to its superb running and pulling characteristics at high and low speeds.



# Modern Electric Locomotives of the German and Swiss Federal Railways



The pantographs of these models are suitable for picking up electricity.



**0232 Electric Express Locomotive** \$ 19.99  
Model of series E 10<sup>1</sup> of the German Federal Railways.  
0-4-4-0 powered in all wheels; all wheels pick up electricity. Body made of metal and highly detailed. Finished in blue lacquer. Glass windows in the cabs. Three electric headlights at both ends which change automatically in accordance with the direction of travel.

Series E 10<sup>1</sup> was produced for the German Federal Railroad in great quantities. It is used for main line express passenger service and has a top speed of 90 miles per hour.



**0234 Electric Multi-purpose Locomotive** \$ 19.99  
Model of Series E 40 of the German Federal Railroad.  
Technical details similar to 0232, but finished in green.  
The German Federal Railroad uses this locomotive to haul medium weight freight and passenger trains over its electrified lines. Its maximum speed is 60 miles per hour.



**0240 Electric Multi-purpose Locomotive** \$ 10.99  
Four wheels, all powered and picking up electricity. Body and chassis made of highly detailed unbreakable plastics. Finished in green and grey. Fully automatic couplers at both ends. Pantograph without electrical function.  
Locomotive of this type were among the first electric locomotives to be constructed and many are still in service throughout the world. They are used for switching, by street and local railroads, and in industry.  
Length 2' - Weight 1 1/4 oz.  
A layout on which electric type locomotives operate can be decorated with dummy catenary.



**0230 Electric Locomotive** \$ 14.99  
Model of a series Re 4-4 of the Swiss Federal Railroad.  
Eight wheels 0-4-4-0 all of which pick up electricity; inner four wheels are powered. Die cast metal body, painted and lettered as per prototype. Cab windows of glass; pantograph without electrical function. Fully automatic sprung couplers at both ends.

The electric locomotive Re 4-4 is used in all parts of Switzerland for express train service.



## Electric Locomotives of the Dutch and French Railways

The Dutch locomotive 1310 shown at the right was the prototype of our model.



**0227 Electric Express Locomotive** \$ 27.50  
Model of Series 1300 of the Dutch State Railways.

12 wheels. Wheel arrangement D-D. 8 wheels are powered and pick up electricity. Cellophane glass windows. 2 electric headlights at each end burn only in the direction of travel. Fixed buffers. Operating scissors type pantographs with switch for operation from 2-rails or 1 rail with pantograph. Overall length 5".



**0228 Electric Express Locomotive** \$ 27.50  
Model of Series 7100 of the French State Railways.

Technical details similar to locomotive 0227. Overall length 5".

This locomotive was built in great numbers for the French National Railways. Other European railway administrations also have purchased copies thereof.



**0248 Electric Express Locomotive "Capitole"** \$ 23.50  
Model of Series BB 9200.

8 wheels. Wheel arrangement B-B. All wheels are powered. 2 electric headlights at each end operating according to the direction of travel. Fully automatic couplers. Fixed buffers. Frog leg type pantographs, switch for optional operation from 2-rails to 1 rail plus overhead catenary. Overall length 4".

Since 1967 the French Trans-Europe Express trains from Paris to Toulouse have been pulled by locomotives of this type at speeds exceeding 100 miles per hour.



**0249 Electric Multi-Purpose Locomotive** \$ 23.50  
Model of Series BB 9200 of the French State Railways.

Powered in all eight wheels; 2 electric headlights at each end which burn automatically only in the direction of travel.

Details as in loco 0248 but with operating scissor pantographs type.

This modern multi-purpose loco with its wrap around windows, was the forerunner of many similar types in various countries. It is used to haul the fastest and most luxurious trains between Paris and the Riviera at speeds in excess of 100 mph.





## Diesel Locomotives of the German Federal Rail- road and Private Industry



### 0205 Multipurpose Diesel Locomotive \$ 19.98

Model of series V 160 of the German Federal Railroad.  
8 wheels. Wheel arrangement B-B. All wheels are powered and pick up electricity. Chassis and frame made of die cast metal. Body is made of super detailed unbreakable plastic. Glassed-in cab, chrome plated decorations at both ends. Three electric headlights at both ends which change automatically in the direction of travel. Fully automatic couplers at both ends which can be exchanged for switching couplers. Overall length 3-1/2".

Diesel locomotive series V 160 is used for medium length freight and passenger trains on main and branch lines. With a capacity of 1900 horse power and has a speed of 75 miles per hour.



### 0202 Multipurpose Diesel Locomotive \$ 19.98

Model of class V 200 of the German Federal Railroad.  
8 wheels, all of which are powered and pick up electricity. Excellent running characteristics. Die-cast metal body, finely hand painted. Glass enclosed cabs. 3 electric headlights at each end, which burn automatically only in the direction of travel. Fully automatic couplers, special switching couplers may be installed.

Locomotives of the V 200 class are among the most powerful eight wheel diesel locos in the world. This is true despite their comparatively light weight. They are powered by a diesel-hydraulic drive and pull all types of traffic from crack passenger trains to local freights.



### 0203 Diesel Industrial Loco \$ 9.98

4 wheels, all of which are powered and pick up electricity. Unbreakable plastic body. Gear drive. Automatic couplers at both end. Special switching couplers may be substituted.

Small diesel locomotives are used for switching by railroad companies and large industrial plants. They are also found in mines, lumber yards, and military establishments.



### 0204 Industrial Diesel Locomotive \$ 12.98

Model of a Heavy Industrial Locomotive.  
4 axles. Wheel arrangement B-B. All wheels pick up electricity. Inner 4 wheels are powered. Railings and platforms at both ends. Body is made of super detailed unbreakable plastic automatic couplers at both ends. Length 3-1/2".

In Europe Baldwin Diesel locomotives are used by private companies to switch freight cars through their properties.



## Diesel Railbuses of the German Federal Railways and various trailers

ARNOLD *rapido*.

This series consists of a powered car, a trailer without cab, and a trailer with cab. They are models of series VT 98, VB 98, and VS 98 respectively of the German Federal Railroads. Each of these vehicles has standard Arnold rapido couplers at both ends. This allows the vehicles to be operated in prototype fashion. They can run alone or in any combination, at the end of regular trains, or they can pull regular passenger or freight cars.



### 0291 Rail Bus \$ 14.98

Model of Series VT 98 of the German Federal Railways.  
Headlights at both ends which automatically change according to direction of travel, so as to show 3 white lights in front and 2 red lights at the rear.

If run with trailers, lights at one end may be shut off.  
Length 3 1/2".



### 0391 Railbus Trailer without lights \$ 3.98

Model of series VB 98 of the German Federal Railroads.  
This car is used between the rail bus and the trailer with cab, to make up trains of 3 or more cars.  
Length 3 1/2".



### 0392 Railbus Trailer with cab and lights \$ 4.98

Model of Series VS 98 of the German Federal Railroads.  
Lights at one end change automatically as in the Rail Bus itself. Used in push-pull service.  
Length 3 1/2".



The railbus set looks especially well on branch-lines. Many times a freight car is taken along.





**Austrian Diesel Rail Cars  
Catenary Maintenance Car  
of German Federal Railways**



In Austria, also, diesel railbuses are used. Here they are painted in an attractive blue and white trim. They are used in the summer as well in the winter through the main and branch lines in the Alps. Technical details are the same as railbus of the German Federal Railways.



- 0293 Diesel Railbus** \$ 15.90  
Model BVT 5081 of the Austrian Federal Railroad.
- 0393 Railbus Trailer** \$ 4.50  
Model BTL 7081 of the Austrian Federal Railways.
- 0394 Railbus Trailer with Cab and Lights** \$ 5.75  
Model BTV 6561 of the Austrian Federal Railways.



- 0296 Catenary Maintenance Car** \$ 17.98  
Model of Series VT 93 of the German Federal Railways.

4 wheel power pick up on all wheels. Chassis and body made of unbreakable plastic. Stage can be moved horizontally and vertically. 3 white headlights and 2 red taillights at each end which burn according to direction of travel. Automatic couplers. Length 2 1/2".



When prototype railroads erect or maintain, they use vehicles such as the one shown here. This car will quickly become a conversation piece on your layout.

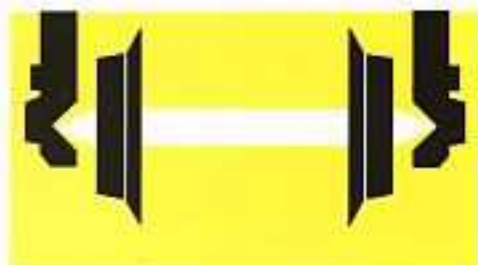


The space saving Arnold rapido system permits the operation of trains with a realistic number of cars. The main line and the stations can be laid out to permit the operation of passenger trains containing 5, 8, 12 or more cars.

The low center of gravity gives all models excellent characteristics even in sharp curves.

Even freight trains containing 30 to 50 cars are no problem on Arnold layouts. These fascinating long trains pulled by powerful locomotives have excellent road holding characteristics when being pulled, pushed or switched.

The common feature of all Arnold rapido cars is the axle with the needle point bearing. This gives them especially light and maintenance free operation with a minimum of drag. Fully automatic rapido couplers at both ends are embedded with springs permitting soft and reliable coupling as in the prototype.



Maintenance free needle point bearing on all wheels.

The unretouched photographs of these models show an enlargement of many details including the line reproduction of all lettering, the interior details of the Trans Europ express cars, the close coupling permitted by the Arnold rapido couplers, the richly detailed under bodies and the finely reproduced truck side frames.



Prototype colors.



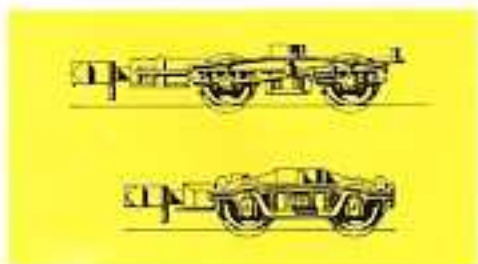
Detailed reproduction of the under body of all passenger cars.

**Types of Trucks.**

Prototype cars have different trucks depending on their use and weight. In accordance therewith Arnold rapido cars use models of different types of trucks, as well as different wheel base lengths, wheel diameters and realistic reproductions of the journal boxes.

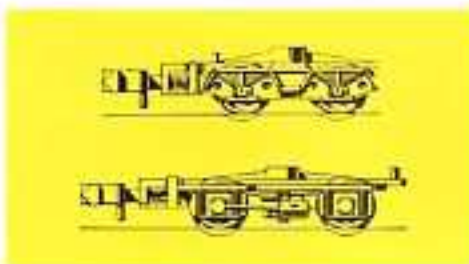


Close coupling in all Arnold rapido cars. Interior detail on TEE cars.



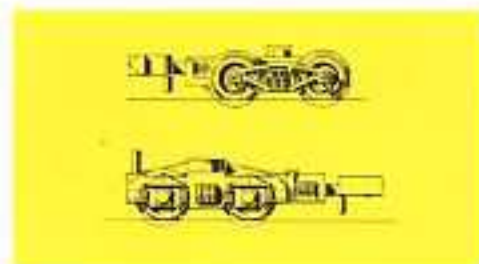
German Passenger Truck.  
American Passenger Truck

\$ 1.50 pair



German Freight Truck.  
European Freight Truck.

\$ 1.50 pair



American Bettendorf Truck.  
Tender Truck.

\$ 1.50 pair

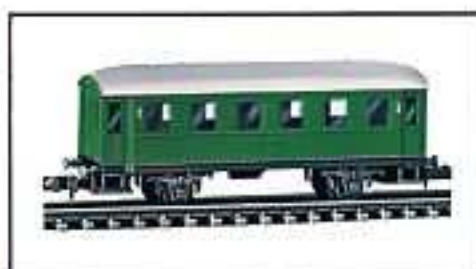
**Express cars of the German Federal Railways**  
**reasonably priced**  
**for assembling long trains**  
**on main lines**

**Junior Series Cars**  
**for the Beginner**

These are somewhat simplified cars following prototypes of the German Federal Railroad. They are made of super detailed plastic castings, but have no inscriptions. The cars have fully automatic couplers at both ends and nylon axles with needle point bearings.



**0343 Touropa Sleeper** \$ 2.50  
 Model of Bc 4 um of the German Federal Railroad for charter vacation travel. Length 5".



**0338 Local Coach** \$ 1.98  
 Used for Branch Line traffic. Length 2 1/4".



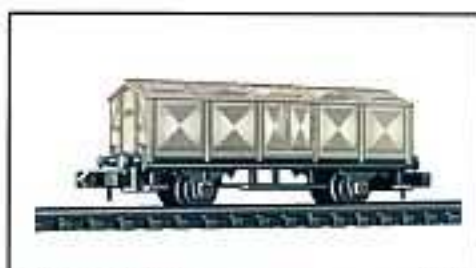
**0341 Express Train Coach, Second Class** \$ 2.50  
 Model of B 4 um of the German Federal Railroad. Length 5".



**0429 Gondola** \$ 1.25  
 Model of Om 3t of the German Federal Railroad. Length 2".



**0342 Express Train, Coach First Class** \$ 2.50  
 Model of A 4 um of the German Federal Railroad. Length 5".



**0421 Calcium Car** \$ 1.50  
 Model of the hinged covered car K of the German Federal Railroad, bulk loads requiring protection from the weather. Length 2".



**0349 Dining Car** \$ 3.50  
 Model of WR 4 uge of the German Sleeping & Dining Car Company.

This car has frosted windows in the kitchen and aisle, and picture windows in the dining car compartment. Chimney over the kitchen. Finished in three colors. Length 5".



**0422 Closed Goods Wagon** \$ 1.58  
 Model of Gms 54 of the German Federal Railroad with four ventilators. Length 2".



## Old Time Passenger Cars for Romantic Layouts

## Four Wheel Passenger Cars of the German Federal Railroad

ARNOLD *rapido*

These models are passenger cars of the former Bavarian State railways. They were built around 1900 and can still be found in service today. The cars have open platforms with interconnecting rails. The windows are framed with imitation wood colors and partially opened. An especially attractive car is the Branchline passenger car which is painted in red and ivory.

These old timers are models of the former Prussian State railways. They have clear skylights, containers for gas for coach lighting, metal ladders and wooden colored window frames. If added to a steam locomotive of the T 3 series, they make a genuine old time train from the turn of the century.



**0303 Branch Line Coach Third Class** \$ 2.98  
Model of CbPr 86; Celesty roof, glass windows, with imitation window frames. Length 2 1/4".



**0301 Local Coach** \$ 2.98  
For branch line service. Length 2 1/4".



**0304 Branch Line Passenger Car, Second & Third Class** \$ 3.50  
Model of BC-Pr 98a; Glass windows with imitation window frames. Length 2 1/4".



**0302 Local Coach** \$ 2.98  
For suburban service. Length 2 1/4".



**0305 Branch Line Baggage Car** \$ 2.98  
Model of PWRr 99 with conductor's compartment. Length 2 1/4".



**0306 Baggage Car** \$ 2.98  
For suburban service. Length 2 1/4".



**0309 Branchline Passenger Car 2nd Class** \$ 2.50  
Model of series of B1 32 of the former German Reich Railroad. Length 2 1/4".

The red and cream branchline cars add color to all model layouts.



**Passenger Cars  
of the German Federal Rail-  
road Main and Branchlines**

029



**0314 Intercity Coach, Second Class** \$ 3.50  
Model of B 4 y ge of the German Federal Railroad for suburban traffic.  
This model is modernized with recessed end and center doors. Large imitation tail lights finished in three colors. Length 4' 2".

029



**0315 Inter City Coach, 1st and 2nd Class** \$ 3.50  
Model of series AB 4 y ge-50 for short lines and commuter lines.  
Length 4' 2".

029



**0316 Express Car 2nd Class with Baggage Section** \$ 3.50  
Model DD 4 y ge-50 for short and commuter lines.  
Length 4' 2".

Models 0314, 0315 and 0316 of the German Federal Railways are modernized coaches having door at the ends and centers. They are lettered in three colors and have large tail lights.

029



**0318 Local Stainless Steel Coach** \$ 3.98  
Model of series AB 4 nb - 50 of the German Federal Railroads, 1st and 2nd Class.  
To insure fast entry and exit at suburban stops, car has two large doors near the center. Car is finished in stainless steel with pattern.  
Length 5'.

029



**0330 Baggage and Mail Car** \$ 3.50  
Model of Pw Post 4 u 28 of the German Federal Railroad.

Over the baggage compartment there is a coupola for the conductor and over the mail compartment there is a sky light as well as barred window.  
Length 4'.



## Modern full length express cars of the German Federal Railways

ARNOLD *rapido*

The Arnold rapido models of the series have been reproduced in full scale length. Even though the cars are 6 1/2" long they will travel over our 0" radius track. They will, however, look far better if our 15" or 17" track is used.



**0322 Express Coach Second Class** \$ 3.98  
Model of Series B 4 um of the German Federal Railway. Interior detail.  
Overall length 6 1/2".



**0324 Baggage Car** \$ 3.98  
Model of Series D 4 um of German Federal Railway. Cabin for conductor.  
Overall length 6 1/2".



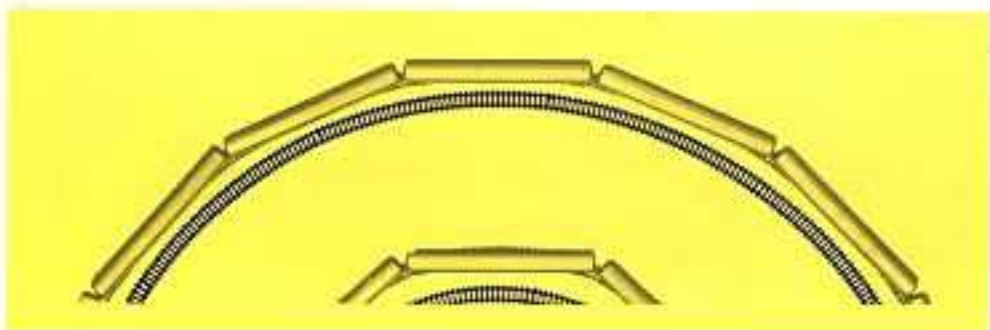
**0325 Dining Car** \$ 3.98  
Model of WR 4 im 60 of the German Sleeping and Dining Car Company. Interior detail.  
Overall length 6 1/2".



Birdseye view of our 4 track radii with long coaches.

The large radii R3 and R4 (16" & 17") create a much more realistic appearance for these long cars.

The space saving radii R1 & R2 (8" & 9") can also be used by these long cars. Because of the overhang, however, care must be taken that masts or buildings are not placed too close to the track and that enough space is maintained between the tracks.



## Express coaches in full scale length



**0381 TEE Compartment Coach** \$ 4.99  
Model of the first class TEE car AV 4m of the German Federal Railroad with compartments. Length 6 1/2".



**0382 TEE Aisle Coach** \$ 4.99  
Model of the first class TEE car AV 4m of the German Federal Railroad with center aisle. Length 6 1/2".



**0383 TEE Bar Lounge Car** \$ 4.99  
Model of the first class TEE car ARD 4m 64 of the German Federal Railway. Length 6 1/2".



**0384 TEE Dining Car** \$ 4.99  
Model of the Dining Car WR 4m 64 of the German Federal Railways with dining room, kitchen and supply room. Length 6 1/2".



**0385 TEE Dome Car** \$ 4.99  
Model of the Rheingold observation car AD 4m of the German Federal Railway with dome and interior detail. Length 6 1/2".

The Arnold rapido models of the aforementioned have been built in scale length. Even though the cars are 6 1/2" long, they will travel over the 8" radius track. They will look more realistic, of course, if 16" radius or 17" radius tracks are used.

The super-luxurious Trans-Europ Express trains of the German Federal Railroads provide a high speed service between major German cities and cities of neighboring countries. These trains carry exotic names such as Rembrandt, Rheingold, Helvetia, etc.

A TEE train always consists of several compartment coaches, an aisle coach, a bar-lounge car, a dining car and an express locomotive, series E 03.

On certain scenic runs a dome car is added to the consist.

All car models are finished and lettered in the prototype red and beige colors, and filled with interior detail. The window frames are finished in imitation gold oxide.





051 Trans-Europ Express Train \$ 45.00  
This package contains a complete TEE train with  
an E 03 electric locomotive and five different  
TEE cars.

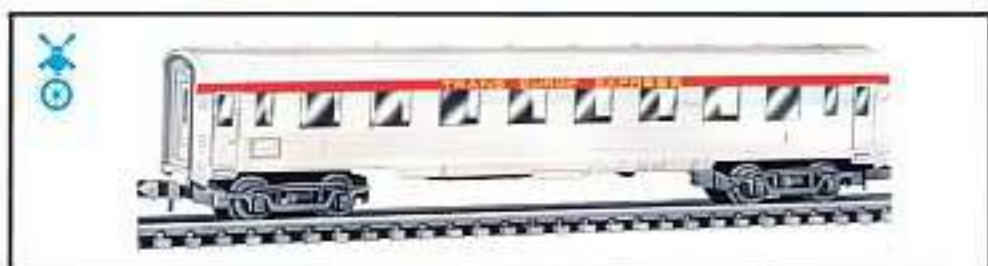


This package is a money saving composition of  
luxury locomotive and cars.





**International Passenger Cars  
of the French and Swiss  
Railroads and Privately  
Owned Companies**



**0369 Trans-Europ Express Coach** \$ 3.98  
Model of Class A 6 myfi of the French State Railways, 1st Class.

These cars make up the famous "Mistral" trains between Paris and Nice. It is made under license from Budd, and therefore resembles American streamlined cars. Lettered "Trans-Europ Express" on red background. Length 5".



**0347 Wagon Lits Sleeper** \$ 3.98  
Model of the international sleeping and dining car sleeper.

Lettered on the aisle side in German and French, and on the compartment side in English and Italian. Prototype trucks. This car was first placed in international express service in 1954. Length 5".



**0371 Standard Long Passenger Car** \$ 3.98  
Model of series A 4 u, 1st class, of the Swiss Federal Railroads.  
Body with attached grab irons and realistic 3 color lettering. Corridor connections at both ends.



**0372 Standard Long Passenger Car** \$ 4.98  
Model of series B 40 of the Swiss Federal Railroads, 2nd Class.  
Model finished in many colors with many added details. Prototype exists in large number and is used primarily for inter-city traffic in Switzerland. Length 5 1/2".

This end type car with end doors was produced by the Swiss Federal Railroads since 1957 in large quantities. Length 5 1/2".





Greatest reliability even with trains of 100 cars.  
All model freight cars are noted for their excellent  
road holding ability, thanks to their low center  
of gravity. This makes it possible to run trains of  
as many as 50 cars having a length of more than 15'.



These 4 wheeled cars have super detailed plastic  
super structures which are realistically painted  
and lettered. Fully automatic couplers are located  
between the buffers. Cars have steel axles with  
needle point bearings.



Tank Car Underbody Detail



European Freight Car Truck



0445 Gondola \$ 2.50  
Model of Om of the German Federal Railroad,  
Length 2". - The many different models which are  
available make such a train most interesting.  
If some of the cars are loaded with flat car loads  
0640, even more versatility is achieved.



0463 Box Car Europ \$ 2.98  
Flat roofed box cars of this type are frequently  
seen in all European countries.  
Length 2"



0436 Tank Car Aral \$ 2.98  
0437 Tank Car BP \$ 2.98  
0438 Tank Car Gasolin \$ 2.98  
0439 Tank Car Shell \$ 2.98  
Models with ladder, Length 2 1/4"



## Model freight cars of the German Federal Railroads

Open freight cars are used to transport heavy bulk goods which are not affected by rain. For these a special nine load kit 0640 is available with which a train can be varied in many ways.

The container cars are used for the door to door service and carry three removable containers. The cabin car on a freight train is usually found directly behind the locomotive or at the rear of the train. It is used to house the crew.



**0449 Cabin Car** \$ 2.50  
Model Pwg of the German Federal Railroad.  
Length 2". - This is a European caboose.



**0441 Box Car** \$ 2.50  
with round roof.  
Model of Gmhs 39 of the German Federal Railroad.  
Length 2".



**0442 Banana Car** \$ 2.50  
Length 2".



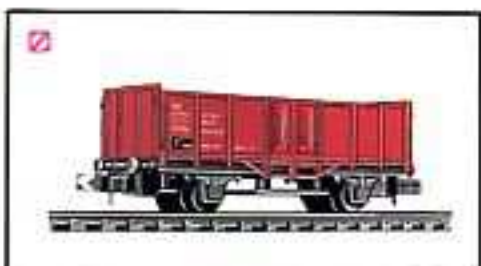
**0402 Box Car** \$ 2.50  
Model of the famous 40 & 8 of European railroads.  
Length 2".



**0424 Calcium Car** \$ 2.50  
Model of series K 25 of the German Federal Railway.  
Length 2".



**0423 Fish Refrigerator Car** \$ 2.50  
Used by the German Federal Railway to transport  
fresh fish.  
Length 2".



**0425 Gondola** \$ 2.50  
Model of Om of the German Federal Railroad.  
Length 2".



**0446 Gondola** \$ 2.75  
Car 0445 with removable load of coal.  
Length 2".



**0447 Gondola** \$ 2.75  
Car 0445 with removable load of logs.  
Length 2".



**0455 Low Sided Gondola** \$ 1.98  
Model X of the German Federal Railroad.  
Length 2".



**0457 Container Car Kit** \$ 2.50  
Model of BTs 50 of the German Federal Railroad.  
Length 2".  
This model contains three closed containers which  
are used for valuable loads such as grain or cement.



**0456 Container Car** \$ 3.50  
Model of BTs 50 of the German Federal Railroad.  
Length 2".  
This car is used for the house to house service and  
carries three removable open containers. These  
are normally loaded with bulk goods. The con-  
tainers are made of plastic and painted in silver.  
The platform railing is steel with a brakemen cabin.



**Tank cars**  
**Eight Wheel Freight Cars**



**0431 Tank Car Esso** \$ 2.98  
 With platform and ladder.  
 Overall length 2 1/2".

These tank cars are models of privately owned cars belonging to various oil companies. The model of four wheel tank cars have plastic super structures and burnished metal chassis. There are sprung automatic couplers at both ends. The needle point steel axles run in journal boxes with imitation steel springs.



**0432 Tank Car Aral** \$ 2.98  
 With platform and ladder.  
 Overall length 2 1/2".



**0448 Mine Car, Side Tipping** 2 For \$ 2.50  
 Tips to either side. Can be locked in any position.



**0433 Tank Car BP** \$ 2.98  
 With platform and ladder.  
 Overall length 2 1/2".



**0495 Flat Car with Container, 40'** \$ 3.50    **0497 Flat Car with Sea-Land Container, 40'** \$ 1.98



**0434 Tank Car Gasolin** \$ 2.98  
 With platform and ladder.  
 Overall length 2 1/2".



**0408 Pipeline Transporter** \$ 4.50  
 With brakeman's cabin and three large pipes.  
 Length 4 1/2".



**0435 Tank Car Shell** \$ 2.98  
 With platform and ladder.  
 Overall length 2 1/2".



**0492 Depressed Center Flat Car with Load** \$ 3.50  
 Cars of this type are used to carry heavy or bulky load. This particular load is a swing bridge part, which can be removed. Stakes at the ends of the car. Length 4 1/2".

**Special Freight Cars of the German Federal Railways.**  
**For transporting unusual merchandise**



Cars being loaded on transport at the Hinderburg Dyke to transport them from the mainland to the

Island of Cylt. Here too double decker auto transport cars are being used.

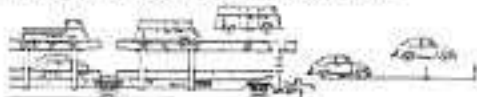


**0488 Open Double Deck Auto Transporter \$ 4.00**  
 Model of Series Olt wba 64 of the German Federal Railroad.  
 This six wheel articulated car has an axle at each end, and a movable, self aligning axle at the

center. Length 6'.  
 Eight cars from our series 0650, 0660, or 0662 can be loaded into these cars in two levels.  
 To accomplish this, the lower floor can be pulled out to facilitate loading.

Prototypes of these cars are used to transport new autos to dealers. One often sees solid trains of these cars.

Lately, however, the railroads have also begun to transport cars belonging to passengers in the same trains as their owners. They are thus seen at the rear of passenger trains. In such cases, many makes of autos are seen on the same car. Below is a diagram showing the lines in Europe in which this new service is available. It is also available in the United States and Canada.



**0499 Open Double Deck Auto Transporter \$ 6.00**  
 Same as car 0488, but loaded with 8 Volkswagen vehicles.



**0497 Heavy Duty Flat Car with Tank \$ 3.50**  
 This car is loaded with a Leopard German Army tank, an extremely heavy load.  
 Overall length 27'.



**0496 Heavy Duty Flat Car with Steel \$ 3.50**  
 This heavy duty flat car is loaded with 7 removable imitation steel coils.  
 Overall length 31'.



These coils of steel are propped on special flat cars.





The illustration shows some workers performing maintenance on tracks.



**0453 Low Sided Gondola** \$ 1.98  
Maintenance car of the German Federal Railroad. Length 2".



**0454 Work Car Kit** \$ 2.75  
This model is used for storage and living quarters for maintenance workers. It is normally used together with cars 0453 and 0454. Length 2".



**0454 Gravel Car** \$ 2.50  
Maintenance car of the German Federal Railroad. Length 2".



**0455 Maintenance Car with Crane** \$ 2.75  
Length 2".



**0468 Track Ballasting Car** \$ 3.50  
Type Qtm (Falbot design) of the German Federal Railways, with ballast insert. Length 2 1/4".

Maintenance of Way cars are indispensable on all railroads. They are used to clear the tracks after accidents, and also to prevent accidents through maintenance.

The cars are used as work cars, or to transport the railroads own freight such as gravel ballast, culverts, ashes, ties, etc. The work cars provide accommodations for laborers engaged in building or maintaining tunnels, bridges, catenary, etc.

On a model railway, these cars provide life and variety. Even a whole M of W train can be assembled.



Sets of figures by Merton  
(Set N 808 and N 714).

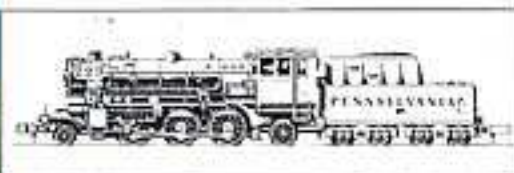


## American Type Steam Locomotives

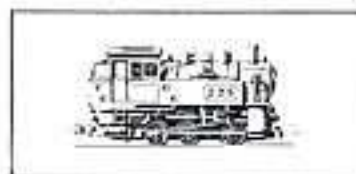
(see enclosure for additional models)



An old time scene built entirely from elements of the Arnold rapid accessory system. What use would steam locomotives serve without the necessary facilities. We have kept these in mind and created an atmosphere which brings the good old days back to memory.



0223 S Steam Locomotive with Tender \$ 24.98  
All-Metal, Lighted.



0225 S Tank Switcher \$ 13.98



0226 Old Time Locomotive \$ 19.98

Model of types which operated in the American West.  
0-6-0 with 3 wheel tender. Power is picked up on 4 wheels. 4 wheels are powered by brass gears. Colorfully handpainted plastic body with many prototype details. Tender is closely coupled to locomotive. Side rods are trimmed in red. Imitation electric headlight and colorful cowcatcher. Length 4-1/2".

This locomotive is a shining example of transportation of its day.



0227 American Type Switching Locomotive \$ 18.50

Technical details similar to locomotive 0226. In addition this locomotive has a coupler in front. Length 4-1/2". Locomotives of this type were used by most American railroad companies for switching and light road service.



In the USA, the steam locomotive has passed into history. In certain areas, tourists and rail fans can still ride a steam powered train.



(See page 34 and 55 for additional models.)



In the United States railroads are operated by many private companies. These paint their locomotives and cars in colorful combinations. One of the better known railroad companies is the Santa Fe railroad.



New Haven



Northern Pacific



Santa Fe



Union Pacific



Baltimore & Ohio



Pennsylvania



In the United States diesel locomotives are often used singly or in multiple units. On model railroad layouts, the second unit can be non-powered. To increase the pulling power, however, it is also possible to couple two powered locomotives back to back, and these will always operate in the same direction.

#### Diesel Locomotive FP 9.

8 wheels. Wheel arrangement B-B. All wheels are powered and pick up electricity. Chassis and frame made of die cast metal. Body made of super detailed unbreakable plastic. Glass enclosed cab. Illuminated headlight and numberboards. Automatic couplers at both ends.

The vast distances encountered in North America together with the long trains normally run there, led to the development of extremely powerful locomotives.

General Motors developed series F 9 and FP 9 which are rather similar in appearance. They are used in both passenger and freight service throughout the vast expanse of the North American continent. According to the requirements one or more units are placed in front of the train.

Our model is a reproduction of the FP 9.



0210 B unit for FP 9 Diesel Locomotive \$ 4.98  
This unit has no motor and can be used in conjunction with 0215 and 0216. Available only in Santa Fe colors.

Diesel Locomotive FP 9 of the Northern Pacific Railroad (Color Green)  
0211 Powered Unit \$ 13.50  
0212 Dummy Unit \$ 4.98

Diesel Locomotive FP 9 B & O Railroad (Color Blue)  
0213 Powered Unit \$ 13.50  
0214 Dummy Unit \$ 4.98

Diesel Locomotive FP 9 of Santa Fe Railroad (See Illustration)  
0215 Powered Unit \$ 13.50  
0216 Dummy Unit \$ 4.98

Diesel Locomotive FP 9 Pennsylvania Railroad (Color Green)  
0217 Powered Unit \$ 13.50  
0218 Dummy Unit \$ 4.98

## American type Road Switchers



**0252 Baldwin Diesel Locomotive, Union Pacific.** Model of the Baldwin 1000 hp. road switcher. 8 wheels, four center ones are powered. Gear drive. Power pick-up from all eight wheels. Metal chassis, unbreakable plastic body. Super detailed, multi-colored. Automatic couplers at both ends. Baldwin diesel locomotives are used by several railroad companies in the United States for switching as well as light passenger and freight service.

**0251 Baldwin Diesel Locomotive, New Haven.** Not illustrated. Finished in orange, black and white. In the colors of the New Haven Railroad.



**0271C Road Switcher, Erie Lackawanna.** Model of General Motors GP7 locomotive. 8 wheels. Wheel arrangement B-B. All wheels are powered and pick up electricity. Chassis made of die cast metal, plastic body and rails. Automatic coupler. Length 4 1/2".

**0271S Same Locomotive in Southern Pacific colors.**



**0272S Road Switcher in Santa Fe colors.** Model of General Motors GP9 locomotive. 8 wheels. Wheel arrangement B-B. All wheels are powered and pick up electricity. Chassis made of die cast metal, plastic body and rails. Automatic coupler. Length 4 1/2".

**0272P Same Locomotive, Penn Central.**



**0273S Road Switcher Soo Line.** Model of the General Motors GP30 locomotive. 8 wheels. Wheel arrangement B-B. All wheels are powered and pick up electricity. Chassis made of die cast metal, plastic body and rails. Automatic coupler. Length 4 1/2".

**0273G Same Locomotive, Great Northern.**

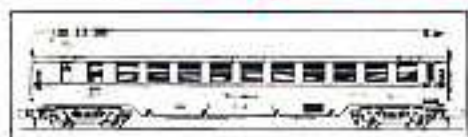


Handy conversion scale - Feet to meters.



# Passenger Cars of American Railroad Companies

**ARNOLD** *rapido*



0350 Bedroom Sleeper, Pennsylvania \$ 2.98

Arnold rapido offers a larger program of American locomotives and cars in N gauge than all its competitors combined. This is back up by the biggest program of European locomotives and cars to bring you truly international model railroading.

Shown here are the models necessary to make American Passenger trains from 1860 through 1967.



0351B Coach B & O \$ 2.98 Length 4 1/2"  
0351N Coach Northern Pacific \$ 2.98  
0351S Coach Santa Fe \$ 2.98



0352B Vista Dome B & O \$ 2.98 Length 4 1/2"  
0352N Vista Dome Northern Pacific \$ 2.98  
0352S Vista Dome Santa Fe \$ 2.98



0355B Observation Car B & O \$ 2.98 Length 4 1/2"  
0355N Observation Car Northern Pacific \$ 2.98  
0355S Observation Car Santa Fe \$ 2.98



0358B Mail Car B & O \$ 2.98 Length 4"  
0358N Mail Car Northern Pacific \$ 2.98  
0358S Mail Car Santa Fe \$ 2.98



Handy Conversion Scale - Inches to centimeters.

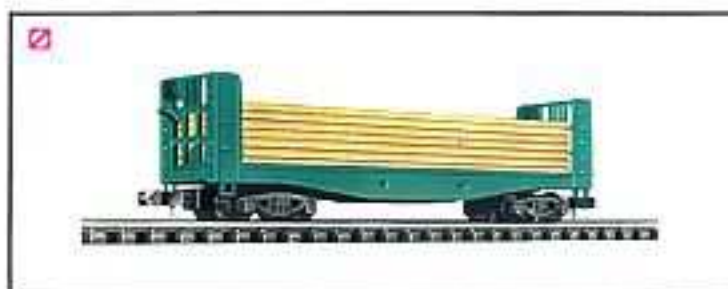
## American Freight and Passenger Cars



**0351 Old Time Combine** \$ 2.98  
Model of combination passenger and baggage car  
of the Western and Atlantic Railroad.  
Length 3 1/2".



**0352 Old Time Coach** \$ 2.98  
Model of Western and Atlantic Coach.  
Length 3 1/2".



**0485 Bulkhead Lumber Car** \$ 1.98  
With removable load of lumber.  
Length 3 1/2".



**0486 Flat Car with 3 crates** \$ 1.98  
Model with removable stakes and crates.  
Length 3 1/2".



**0417 Gondola, Pennsylvania Railroad** \$ 1.98  
with coal, Length 3 1/2".



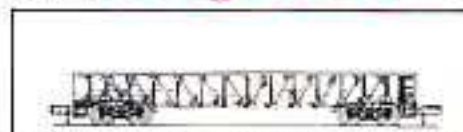
**0418 Gondola, Southern Railroad** \$ 1.75  
without load, Length 3 1/2".



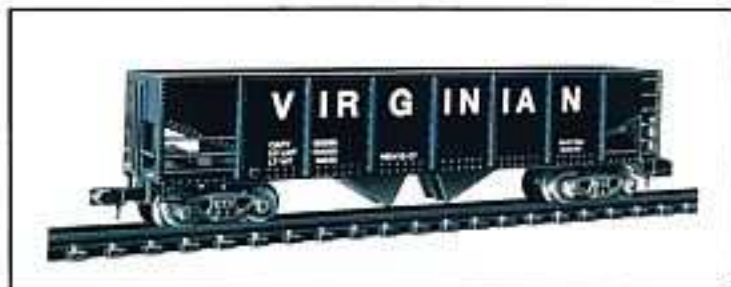




0411 Box Car Unlettered  
With decals of 3 different railroad companies. \$ 1.75



0489A 50' Gondola, Alaska Railroad \$ 1.75  
0489B 50' Gondola, Burlington \$ 1.75



0401 Hopper Car Virginian  
Length 3 1/2". \$ 1.75



0412 Box Car  
Penn Central markings. \$ 1.98  
0411F Same Car, Florida East Coast \$ 1.75



0402 Hopper Car with Coal New York Center \$ 1.98  
Length 3 1/2".  
0402L Same Car Lehigh Valley \$ 1.98



0413 Box Car  
Boston and Maine markings. \$ 1.98  
0411M Same Car, Milwaukee Road \$ 1.75



0403 Hopper Car with Cement  
Norfolk & Western.  
Length 3 1/2". \$ 1.98



0414 Box Car,  
Santa Fe markings. \$ 1.75



0482 Stock Car, Union Pacific \$ 1.75  
0482M Stock Car, Missouri Pacific \$ 1.75



0484 Tank Car Black with Decals \$ 1.75  
0484F Tank Car, Firestone \$ 1.75  
0484M Tank Car, Mobil \$ 1.75  
0484S Tank Car, Shell \$ 1.75



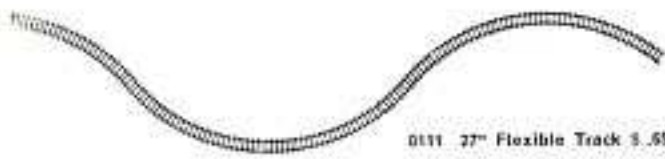
0483A Old Time Refrigerator Car ART \$ 1.75  
0483C Same Car, Carnation Milk \$ 1.75  
0483G Same Car, Gerbers Baby Food \$ 1.75



0481U Woodside Caboose UP \$ 1.98  
0419 Caboose \$ 1.98  
0481C Woodside Caboose New York Central \$ 1.98  
0481E Woodside Caboose Erie \$ 1.98  
0481S Woodside Caboose Santa Fe \$ 1.98



# A Model Track System, Track: The Good Foundation For Fast Trains



0111 27" Flexible Track \$ .55

0116 24 Rail Joiners \$ .50

Tracks and switches are the road over which a modern railroad travels. Prototype trains use tracks having a distance of 4' 8 1/2" between the rails. The smallest model railroad tracks have a distance of 9 mm and this was designated as N gauge. By taking the above figures we can conclude that N gauge is built to a scale of 1:160 or 2 mm to a foot.

The Arnold rapido track has a realistic black burnished rail. Neither brass nor silver rails will be found on any prototype railroad. The advantage of Arnold rapido track is that it requires no cleaning. Even after long periods out of use, cars and locomotives will automatically clean the track. A locomotive can pull three times as many cars on Arnold rapido track as on other makes.

### The Arnold rapido Switches

with their slim angle of only 15° allow each model railroad to construct a layout which looks realistic. Each switch contains a relay which lets the electricity and operates well. Current in every manual and electric flows only in the direction in which the switch is set. This stop function simplifies the wiring of the layout. Locomotives can be parked on tracks in stations and yards without receiving power when the switches are not set in their direction.

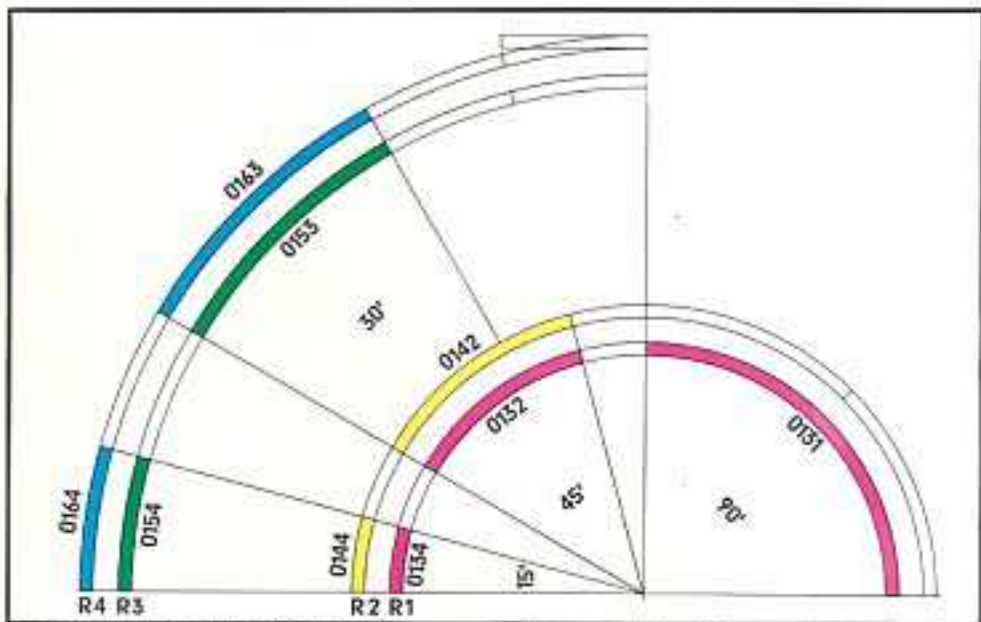
### The Electro magnetic switch Machine 0179

can be snapped into the ties of the switches and double slip switches. This construction has many advantages. The switch machine can be placed either under or over the table. Switch machines can not burn out, even if incorrectly wired. Lighted switch control panels or light signals can be attached.

### 0115 Interchange Track

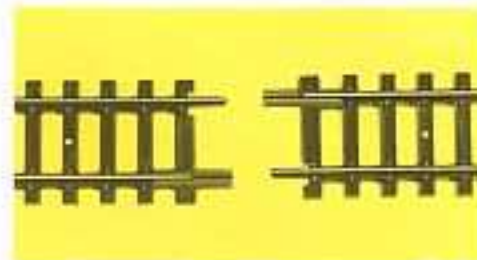
2 For \$ .75

For those who may have bought other makes of N gauge trains, but wish to avail themselves of the advantages of the Arnold rapido system, this track permits the joining of the Arnold rapido track with track of other makes.

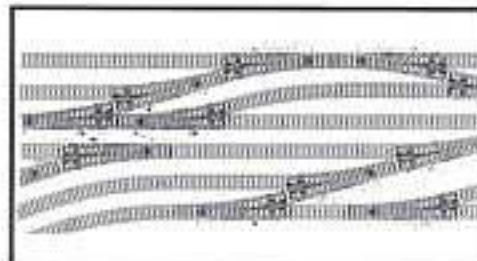


The four different Arnold rapido track radii make it possible to realize the wishes of all model railroaders. Radii 1 and 2 are space saving and can be used in the background, tunnels and on branch lines.

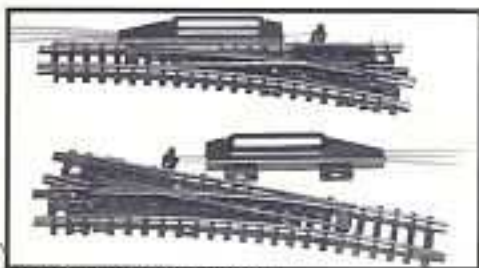
The large radii 3 and 4 are used at the front of the layout to make sweeping gentle curves. In both instances the distance between track centers is 1 1/4".



The sure Arnold rapido track joiners provide certain electric and mechanical contact.



The slim Arnold rapido switch machines permit unlimited freedom in building yards. Manual switches have no switch machines whatsoever and require no room for these.



### NON DIRECTRONIC SWITCHES

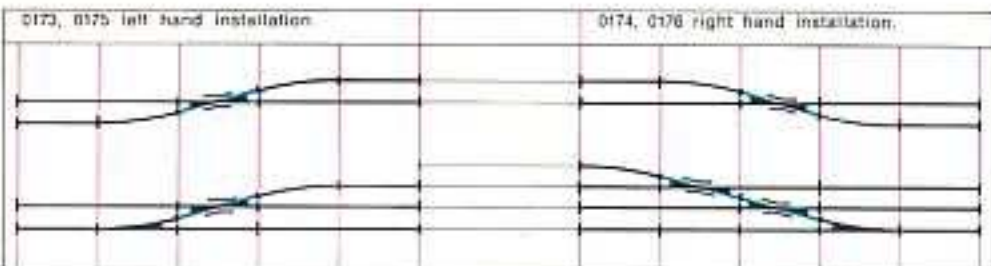
For those interested in economy, switches are also available without the above exclusive features. The non-directronic switches merely serve to switch a train from one track to another. They have the same track geometry as the directronic switches illustrated above.

Every Arnold rapido directronic manual switch can be electrified by your adding switch machine 0179.

Switch machines can be placed either under or over the board. This improves the appearance of permanent layouts.






















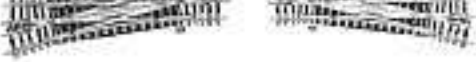



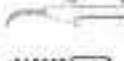


0177 Pair of Non-Directronic Manual Switches \$ 5.98  
0178 Pair of Non-Directronic Electric Switches \$ 7.98 including simple non-directional controls.



Our double slip switches can, of course, be run through in all directions. The two straight legs, however, are of unequal length. The legs shown diagonally in the plans at the right (blue) are longer than the horizontal legs. By this means the parallel distance between tracks (red) is obtained without compensating sections. Depending on their use, therefore, left hand or right hand double slip switches should be used. In most cases left hand double slip switches are used with left hand switches. While right hand double slip switches are used with right hand switches.



	Item	No.	Length	Price	Function
	Straight Track	0101	8"	.30	
	Straight Track	0102	4 1/2"	.15	
	Straight Track	0103	2 1/2"	.15	
	Telescoping Track	0112	4 1/2"	1.25	Sections for adjustments of + or - 1/8". The median length of this track is 4 1/2" and therefore it corresponds to a section 0102. By pulling it apart or pushing it together, it can be used to fit any space where no regular sections are available.
	Circuit Breaker Section	0120	4 1/2"	.50	Circuit breaker tracks interrupt the electricity in both rails and are necessary for setting up electrically separated segments of layouts for multitrain operation. They can also be used in place of two gap sections in sidings between the switches.
	Circuit Breaker Section	0121	2 1/2"	.50	
	Gap Track	0122	4 1/2"	.40	
	Gap Track	0123	2 1/2"	.40	Gap sections interrupt the power in one rail and are used before switches to deaden the parking track. They also find use in automatic block signalling, reverse loops, station delay devices, etc.
	Electr. Uncoupling Track with Uncoupling Signal and Momentary Contact	0126	4 1/2"	3.95	This uncoupling track having a length of 4 1/2" is used for remote control uncoupling. It is activated by solenoids and operated by 16 V A.C.
	Curved Track 90°	0131	12"	.45	Radius 1 = 8", 1/2 Circle.
	Curved Track 45°	0132	6"	.25	Radius 1 = 8", 1/2 Circle.
	Curved Track 15°	0134	2"	.18	Radius 1 = 8", 1/2 Circle.
	Curved Track 45°	0142	7"	.28	Radius 2 = 9", 1/2 Circle.
	Curved Track 15°	0144	2 1/2"	.18	Radius 2 = 9", 1/2 Circle.
	Curved Track 30°	0153	8 1/2"	.35	Radius 3 = 16", 1/2 Circle.
	Curved Track 15°	0154	4 1/2"	.20	Radius 3 = 16", 1/2 Circle.
	Curved Track 30°	0163	9"	.35	Radius 4 = 17", 1/2 Circle.
	Curved Track 15°	0164	4 1/2"	.25	Radius 4 = 17", 1/2 Circle.
<b>DIRECTRONIC SWITCHES</b>					
	Manual Switches 15"	0170	4 1/2"	6.95	Every manual switch can be electrified by snapping Pair in switch machines 0179. Stop Switch Function.
	Electric Switches 15"	0171	4 1/2"	9.95	16 V AC 12" cable burn out proof switch machines. Reports position automatically to control panel. Switch machines can be placed over or under the table. Stop Switch Function.
	Double Slip Switch Manual 15" Left	0173	4 1/2"	6.50	Can be electrified by adding switch machine 0179.
	Double Slip Switch Manual 15" Right	0174	4 1/2"	6.50	Can be electrified by adding switch machine 0179.
	Double Slip Switch Electric 15" Left	0175	4 1/2"	7.95	16 V AC 12 1/2" cable. Burn out proof switch machines. Reports automatically to control panel or light signal. Switch machine can be mounted over or under the table.
	Double Slip Switch Electric 15" Right	0176	4 1/2"	7.95	16 V AC 12 1/2" cable. Burn out proof switch machines. Reports automatically to control panel or light signal. Switch machine can be mounted over or under the table.
	Switch Machines	0179		3.50	Pair Cable 12" long 16 V. AC cannot burn out. Reports automatically to control panel or light signal. For electrifying electric manual switches.
	Bumper	0181	2 1/2"	.50	Bumper with track and deadend signal. Prices of switches do not include control panels.

# Power Pack & Electric Connections

## Energy Supplies



All power packs should be plugged only into 110-115 Volts AC house current. If you should happen to live in an area having a different electric supply, consult your dealer for the appropriate instrument.  
 Power Pack 0708 is one of the finest instruments ever designed for model railroading use. Its taper wound rheostat insures an infinite number of speeds. Electric signal lights indicate short circuits or overloads. This pack is without a doubt the finest available for N gauge.

**0708 Large Power Pack** \$ 22.98  
 Total capacity 1.6 amps.

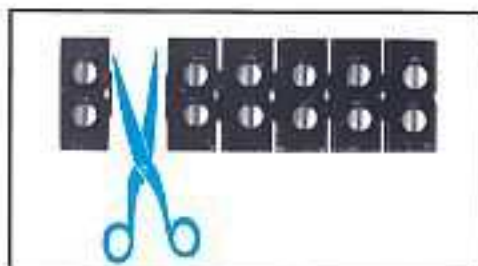
**Normal Use** 0-12 Volts DC at .8 amps for 2-3 locomotives; plugs 1 and 2.

**Pulse Power** for extremely slow and finely controlled engine movements, or for connection to track segments in which reduced speed is desired; plugs 2 and 3.

**Accessories** 15 Volts AC at .8 amp for any number of switches, plus about 16 light bulbs or similar load.

Finely regulated rheostat; center off. Two lights indicate short circuit or overload in either the AC or DC lines. Built to comply with latest safety regulations.

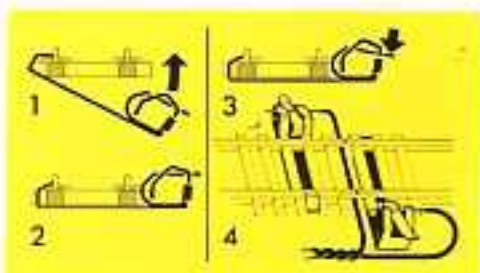
**0715 Terminal Strip** \$ .49  
 for the distribution, connection, and prolongation of several cables. Six poles with twelve terminals each of which can take many as 12 cables simultaneously. Length 2".



**0704 Power Pack** \$ 8.98  
 With speed control and directional control having a center off switch.  
 Capacity 0 to 12 Volts D.C. at .6 Amp. 15 Volts AC. For small layouts with one locomotive UL listed.

**0705 Power Pack** \$ 6.98  
 Same as above but only .4 amp.  
 American made power packs may vary slightly in appearance from photo.

**Cables**  
 Single and double strand cables for making electrical connections are kept in stock by your dealer.



How to snap on terminal clips.



**0712 Two Strand Cable,** \$ .49  
 20" long with male plugs.

**0711 Track clip** \$ .25  
 The terminal clips can be snapped into any curved or straight track section as shown at the right. In order to bring power from the power pack into the rails, two clips must be used. For sidings, one clip will suffice.



# Elements for controlling switches, accessories and layout segments

## Color light signal

### Schematic Control Panel

Modern prototype control panels insure the safety and supervision of trains in a very large area.

In switch towers there is a schematic diagram under the supervision of the tower. The buttons for controlling the switches and signals are located at the appropriate places.

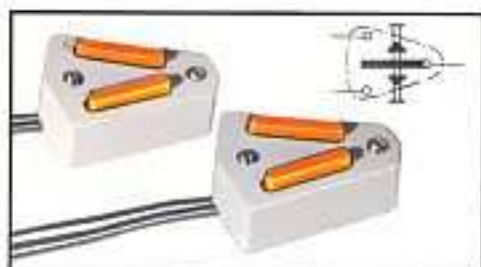


The various elements of the Arnold rapido control system allow the construction of similar schematic control panels. There are controls for switches, slip switches, uncouplers, signals, etc.

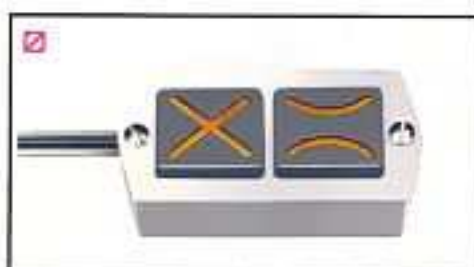
The controls for switches and slip switches can be illuminated by inserting into them light bulbs No. 0796. No other wiring is needed, not even if the switches are thrown automatically by the train using track contacts No. 0744. Thus, even where there is fully automatic operation of several trains, the illuminated control panel will show at all times how each switch is pointing.



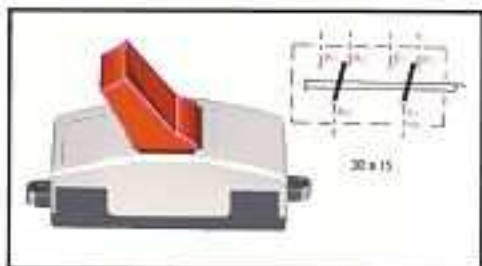
**0720 Momentary Contact** 2 for \$ 1.50  
(Single Pole, Single Throw)  
Suitable for installation in a control panel.



**0722 Control Panel with Electrically Pointed Buttons.** 2 pieces for \$ 2.50  
To be mounted on schematic control panel.  
Includes 4 wood screws and 12" of cable.



**0723 Control Panel for Double Slip Switch** \$ 1.50  
The indicator buttons can be illuminated with light bulbs No. 0796.



**0725 Universal Switch** \$ 1.99

(Triple Pole, Double Throw)  
This universal switch takes care of all the different functions required of a model railroad system. The housing can be lifted exposing its six screw terminals.

This switch can be used to control lights, signals with and without train control, or to change the direction of the locomotive. It can also be expanded to a relay by snapping in the electric relay drive 0745. Detailed instructions can be found in the Arnold rapido track layout manual.

A card with the symbols shown here is furnished with this switch. The symbols can be cut out and pasted on the switch to indicate setting and use.



**0760 Main Light Signal** \$ 2.99  
with red and green lamps with base.  
Mast red and white; field for bulbs, grey and black.  
Height 3 1/2".  
Signal can be made into an operating signal either by attaching it to switch 0771, to control panel 0725 or to relay 0745.  
Light signals are found either as block signals to safe guard switches or crossings.

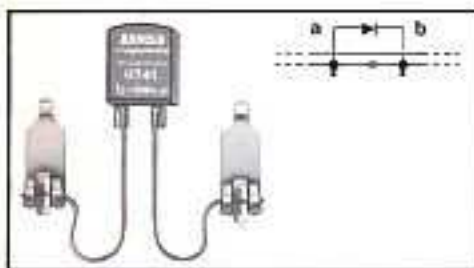
**0796 Micro Bulb Bayonet Type** \$ .70  
Used for illuminating control panel 0722 or 0723.  
Each panel requires 2 bulbs. 16 Volts, 30 mAmp.



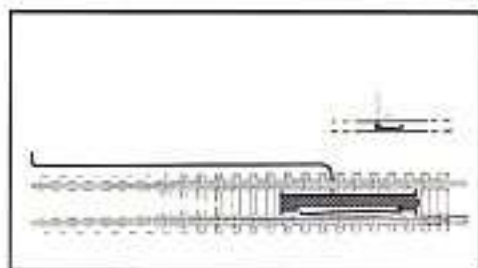
## Automatic Block control Elements for Automatic Layouts



While a branchline can best be decorated with buildings and layout equipment, a main line accommodates many trains which pass over it in rapid sequence. Here the trains automatically follow each other with block controls. Switches can also be thrown automatically by passing trains allowing trains parked in sidings to proceed automatically. Furthermore lights in stations or other illuminations can be turned off before trains enter or leave. All these automatic functions are fairly simple to set up using the elements shown on this page. The instructions furnished with all items will provide further inspiration.

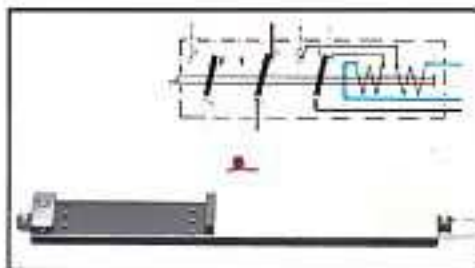


**0741 Track Rectifier with Terminal Clips** \$ 1.98  
Functions as a one way valve.  
With a track rectifier in connection with gap sections it becomes possible to set up reverse loops without any additional elements.  
On deadend sidings a track rectifier prevents a locomotive from running up against the bumper. It does permit the engine to leave. A very interesting function!  
2 1/2" x 6"



**0744 Track Contact Activator** 2 for \$ 1.49  
with 12" Cable.  
This contact is suitable for use on any straight track section on the layout.

**Function and use:** The wheels of a passing locomotive activate the solenoid of the attached item. This applies to switches 0171 or relays 0745. Examples for use are automatic block signals, automatic setting of switches, shutting on and off of illuminations by the trains and automatic reverse loops.



**0745 Relay** \$ 4.50  
with automatic cut-out.  
Suitable for all model railroads. Remote controlled operation, 16 Volts AC, through two push buttons or automatic track contacts.  
2 cables each 12" long, 2 crew terminals for attaching signals, 2 additional solder contacts for any desired additional functions.

2 built-in on-off switches plus one selector switch allow the relay to control numerous functions such as operating light signals as well as starting and stopping trains in conjunction therewith. In addition, its long base will accept the universal switch No. 0725 and throw it through throw bar No. 0745. This adds further to the capabilities of the relay. The picture below shows this combination.

The track layout manual 0020 has many additional hints.



**0860 Automatic Crossing Gates** \$ 9.98  
Gates can be lowered by remote control or automatically by moving train using track contacts 0744. Gates raise and lower slowly and quietly. Each of the two gates has its own motor. A contact is provided for additional flashing lights or bells and a second contact is provided for automatic train control. In addition, two signals can be attached.

**0860A Crossing Gates with American Type Barrier** \$ 9.98



A model railroad layout represents a large investment of time and money of which a long life can be expected. To correct small defects and to replace worn-out parts, the items shown on this page may be purchased. Other spare parts, which may not be listed here, are also available from your dealer.



**0190 Re-Railer** \$ .40  
Simplifies the placing of locos and cars on to all straight and curved track sections.



**0181 Spikes** \$ .50  
Used to mount track to board for permanent layouts. About 500 per box.



**0192 Wood Screws** \$ .99  
Used to mount articles 0550, 0552, 0725, or 0745 to board. About 50 per box.



**0759 Tools** \$ .60  
Pliers, screw driver, wrench. In short, the most important maintenance tools for N gauge trains.

Motor	for Locomotives					
0771	0201	0204	0230	0261	0262	0264
0772	0220					
0773	0232	0234	0249			
0773-2	0205	0240				
0774	0202	0211	0213	0215	0217	
0774-2	0236	0237	0238			
0775	0290	0291	0293			
0776	0226	0227				
0777	0223					
0778	0203	0240				
0779	0222	0225				

Spare Motors for Locomotives



**0788 Pair of Wheels on Steel axle** 10 for \$ 1.50  
with needle point bearings suitable for all cars.



**0760 Switching Couplers** pair \$ .98  
with this switching coupler locomotives can uncouple automatically anywhere on the layout without an uncoupling track. For better description, see page 8.



**0789 Pair of Couplers** 10 for \$ 2.50  
of nylon suitable for most locomotives and cars.

**0790 Pair of Couplers, Long Shaft** 10 for \$ 2.50  
For locomotives 0261, 0262, 0264-0267.

	<b>0783 for Locomotives</b> 0201, 0222, 0224, 0205, 0211, 0220, 0230, 0232, 0233, 0234, 0236, 0237, 0238, 0248, 0249, 0201, 0264.
	<b>0782 for Locomotives</b> 0271, 0272, 0273.
	<b>0784 for Locomotives</b> 0203, 0221, 0222, 0223, 0225, 0226, 0227, 0240, 0291, 0293.

**0782 Pair of Brushes** 10 for \$ 1.50  
**0783 Pair of Brushes** 10 for \$ 1.50  
**0784 Pair of Brushes** 10 for \$ 1.50

Each package also contains 2 screws for attaching the pantographs.

**0801 Pantograph, Normal** 2 for \$ 2.50  
suitable for locomotives 0232, 0233, 0234, and 0236.  
**0802 Pantograph, Single Leg** 2 for \$ 2.50  
suitable for locomotives 0249 and 0235.

	0791	0792	0793	0794	0795	0796
Used in	0760 0748	0760	0232 0248	0202 0223	0236 0237 0291	0291 0292
Color	red	green	white	white	white	red
Volt mA	16-50	16-50	12-70	12-50	12-50	12-50
\$ ea.	-.70	-.70	-.60	-.45	-.45	-.45

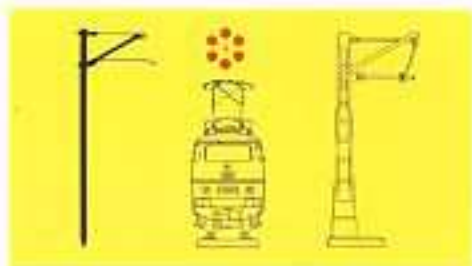


## The Arnold rapido Catenary System

Our catenary is strictly decorative and without electrical function. The single and tower masts and the zig-zag rubber cable running between them create a very realistic appearance. The rubber catenary can be pushed aside when re-railing locomotives or cars.

## Genuine catenary

All locomotives in our catalog which are shown with an asterisk have pantographs which can pick up electricity. By using these to pick up power from the catenary, it becomes possible to run two locomotives over the same tracks under independent control; one working off the two rails, the other off one rail plus catenary. For more details, ask your dealer. Your dealer will carry the catenary made by VOLLMER, who has the same US Distributor as Arnold rapido.



A rubber cable is ideal, because it is expandable. This simplifies the erection of the catenary. It also makes it simple to place locos and cars on the track, and to re-rail them. All tracks can be reached without effort.



On bridges and piers, it also possible to erect catenary.



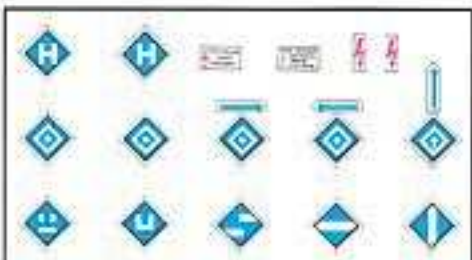
This signal indicates the end of the overhead wire. Electric engines must stop here.



**0554 Rubber Thread** \$ .98  
This thread makes an imitation catenary wire. It gives way, when it is desired to place locomotives or cars on the track. A spool has about 90 feet of thread.



**0551 Catenary base for bridges** 10 for \$ .79  
These can be cemented to piers and bridges with styrene cement. The masts have nuts on the bottom, with which they can be fastened to the bases.

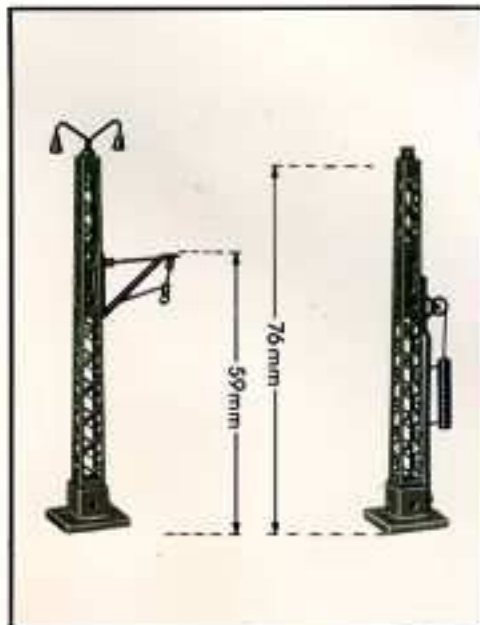


These "N" scale signals in the original colors are in a cut-out sheet which is included in our package No. 0553. Their purpose is described in the instruction sheet.





Imitation tension weights are included with all catenary sets.



0552 Package of Tower Masts and Accessories. \$ 2.98

Contains 4 tower masts, 2 dummy equalizers, and 2 side suspensions. The side suspensions can be attached to either or both sides of a tower mast. In this manner, tracks lying outside the tower masts can also be equipped with "catenary".

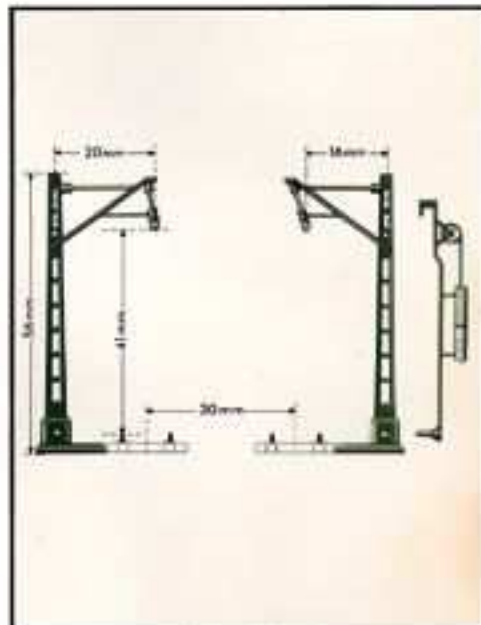
The distance between masts on a straight section should be 6" to 8". On the curved section there should be three masts for every one quarter circle. On the straight track the masts should be erected alternately with a long and a short arm. On a curved section the short arms should be on the outer rail and the long arm on the inner rails.

Catenary masts are without electrical function and intended to decorate the layouts used by electrical type locomotives.

The beautifully detailed masts are intended for a zig-zag arrangement of the overhead wire such as is found in the prototype.

The illustration shows a portion of a layout equipped with catenary masts 0550.

All model railroad layouts used by electric type locomotives thereby obtain a realistic appearance.



0550 Box of 10 Catenary Masts. \$ 2.50

The box consists of 5 masts with a short arm and 5 with a long arm. It also contains two dummy pulleys for maintaining tension in the catenary. On permanent layouts, mast 0550 is set next to the track on the board, and attached thereto with a spike 0191 or wood screw 0192.

In the tension weights, the rubber wire is easily inserted.

On a dead-end track, place a tower mast behind the bumper. Use a tension weight. Tower masts can be shortened. They then support the tension weights on the main line.

The side arms can be attached to the tower masts on either or both sides (see below). This makes it possible to run an additional line outside the tower mast.

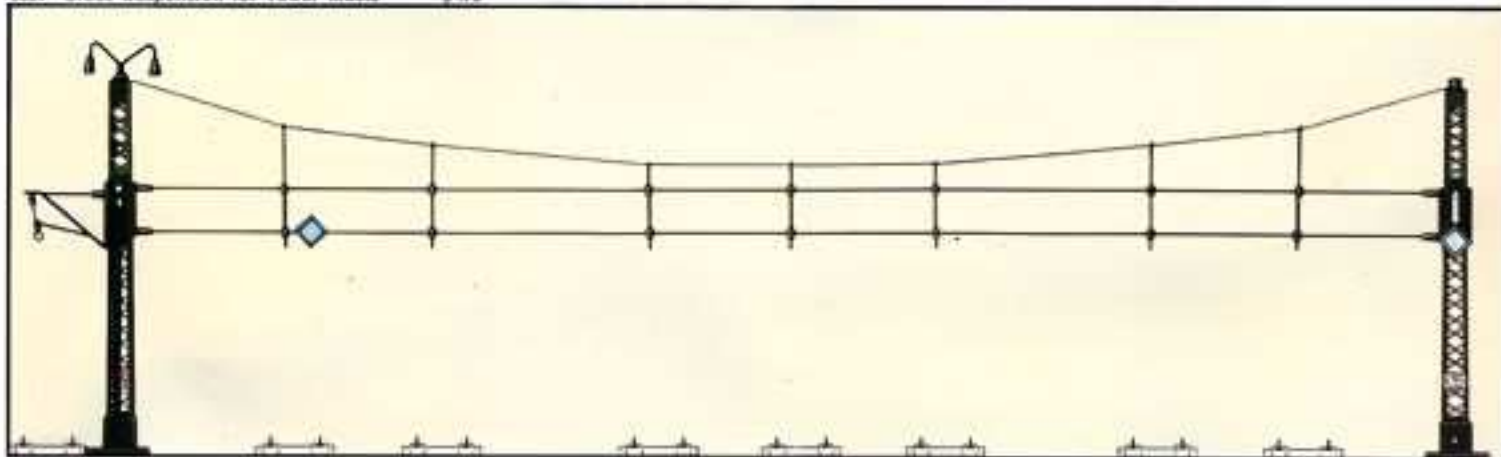
Tower masts are also used to create tension at the end of an electrified line. It would then stand directly behind a bumper. If so used, the wire can be attached directly to the mast.



For those who prefer operating catenary, the VOLLMER line is recommended.

Elements are priced as follows:

0000 Mast with short arm	\$ .40
0001 Mast with long arm	\$ .40
0002 Terminal Mast	\$ .79
0005 Tower Mast	\$ .65
0006 Catenary for 8" radius	\$ .20
0009 Catenary for 9" radius	\$ .20
0010 Catenary for 10" radius	\$ .25
0011 Catenary for 12" radius	\$ .25
0013 Catenary for 8" straight section	\$ .30
0015 Open End Catenary, 8", for odd sizes	\$ .25
0017 Catenary circuit breaker	\$ .50
0021 Cross Suspension for Tower Masts	\$ .75



0553 Assortment of Tower Masts and Cross Suspensions. \$ 3.98

Where there are more than 3 tracks, in stations for example, the catenary wires are suspended from cross-suspensions. These in turn are hung from tower masts.

The assortment makes it possible to cross the tracks two times, each crossing is over 6 to 8 tracks. It contains all parts which are in assortment 0552 plus the necessary steel cross suspensions, insulators, and bearings.

Also included is a full color cut-out sheet containing all special signals normally found on electrified lines.

## Bridges and ramps



Wherever there are railroads, one can find bridges, viaducts, and other structures to cross gullies, valleys, streams, water obstacles, roads, etc. A large collection of bridges is offered by Arnold rapids, so that individual treatment may be given any situation on any layout. Most bridges can be used either on single track or double track lines. The lengths of the various spans, except for No. 0617, have been designed to fit given Arnold rapids track sections. The curved bridges, for example, will fit tracks 0131, 0132, or 0134.

Single and double track viaducts on an Arnold rapids layout. The catenary masts are attached with bases No. 0551.



**0617 Bridge Assortment with Piers** \$ 2.50  
Length: 16"



**0516 Small Piers, 1/2" high** \$ .30  
Can be snapped together; package of 20.



**0610 Straight Bridge Kit** \$ 1.49  
This kit contains bridges for two 8" track sections without piers. The bridges can be divided to fit tracks 0101, 0102 or 0103.



**0611 Curved Bridge Kit** \$ 1.49  
The radius of the curved bridge corresponds to our 8" radius track sections. The contents of the kit provide for the construction of two 45° curves without piers and may be used for track 0131, 0132 or 0134.



**0615 Large Piers, 1 1/2" high** \$ .98  
Can be snapped together; package of 4.



**0621 Piers for Incline KIT** \$ 1.99  
The contents of this kit will make either two high piers (3 1/2") or two ramps with a 4 1/4" climb for an ascent and descent.

The kit further contains two wedges for a smooth transition at the beginning and end of the climb or descent. Bridge kits 0610 and 0611 are recommended between the piers.

The piers can also be assembled for a double track railroad line. In this case, however, the contents of the package are sufficient for only an ascent or a descent.



**Bridges  
Piers  
Viaducts**

Wherever one may look along the highway or railroad, one will see various combinations of wood, steel, masonry, and concrete bridges. Arnold rapido provides kits for models of many of these, so that every layout can get that individual touch.



Bridge on a single track line made from kits 0622, 0624 and 0627.



Similar bridge set up on a double track line.



Long bridge combination using all parts of kits 0622 through 0628.



**0622 Piers Short** 10 pieces \$ 1.98  
These piers are intended for a bridge height of 1". They can also be used to extend piers 0624, 0626 and 0627 to a height of 2".



**0623 Piers Long** 10 pieces \$ 2.50  
These piers are intended for a height of 2". They can also be piled one on top of another to create greater height.



**0624 Bridgehead & Roadway Support** \$ 1.49  
This bridgehead has a height of 2" and serves as the beginning and end of all Arnold rapido bridges.



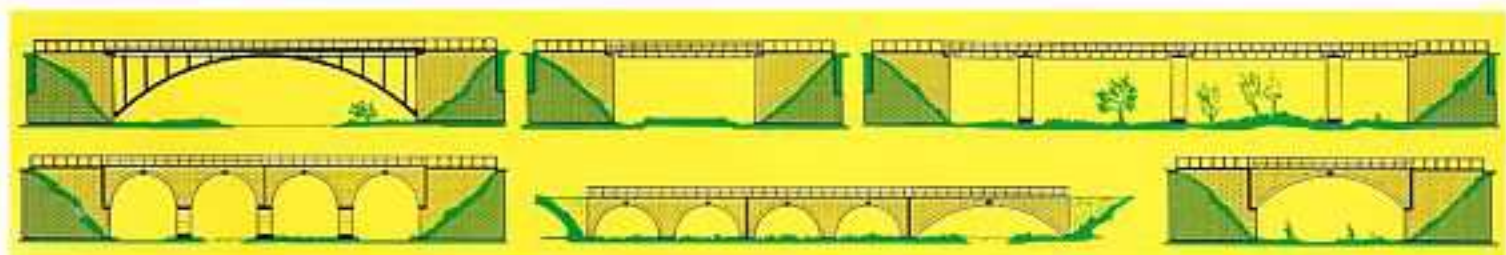
**0625 Masonry Viaduct** \$ 1.98  
Total length 8 1/4". Can be parted in the middle.



**0627 Masonry Flat Bridge** \$ 1.98  
Total length 8 1/4". Can be parted in the middle.



**0628 Concrete Arch Bridge** \$ 1.98  
Total length 8 1/4". Can be split in middle for half arches.



These drawings show some of the uses of the bridges and piers.

## Engine sheds and service facilities



**0629 Diesel and Electric Train Shed** Kit \$ 3.98

$1\frac{1}{4}$ " between track centers. In this two stall shed locomotives up to a length 5' can be accommodated.

The two overhead doors are opened and closed automatically by the entering or leaving locomotive. Several engine sheds may be combined to provide a home for four, six or more locomotives.



6" x 3"



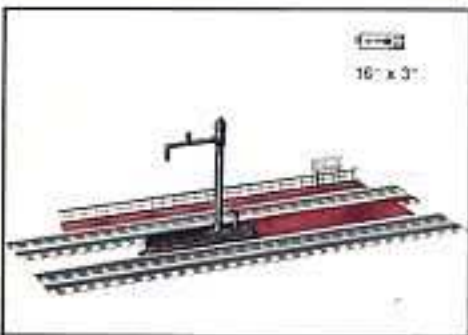
**0633 Steam Locomotive Shed** Kit \$ 4.98

In this two stall shed locomotives up to a length of 5' can be accommodated.

The four moving doors are hung on hinges. This model is built in 19th century style and consists of 54 parts. It is a beautifully detailed structure.



7" x 4"



0630

16" x 3"

**0630 Track Crossing and Water Crane Kit** \$ 1.98  
Crane swings on its base and is intended to supply water to steam locomotives. The other components in this kit are used to lay planks between tracks, create platforms, fences, etc. etc.

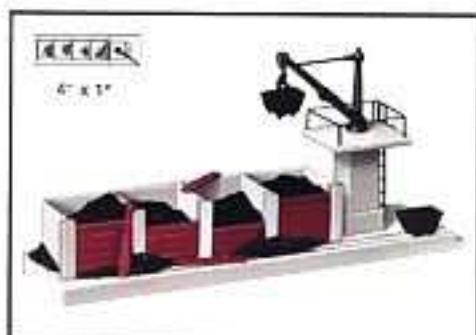
The additional parts found in kit 0630 have many uses on model railroad layouts. For example, foot paths, fences, platforms and many others.



0631

2" x 1"

**0631 Water Tower with Pump House Kit** \$ 2.98  
Used to supply water to all railroad facilities in the station complex. Pipe shows water level.



0635

4" x 1"

**0635 Coaling Station and Coal Crane Kit** \$ 2.98  
Used to supply coal for all locos in the service facility. Coal bins divided into 3 parts by removable walls. Coal is loaded into lorry, and crane lifts it and swings it into tenders.

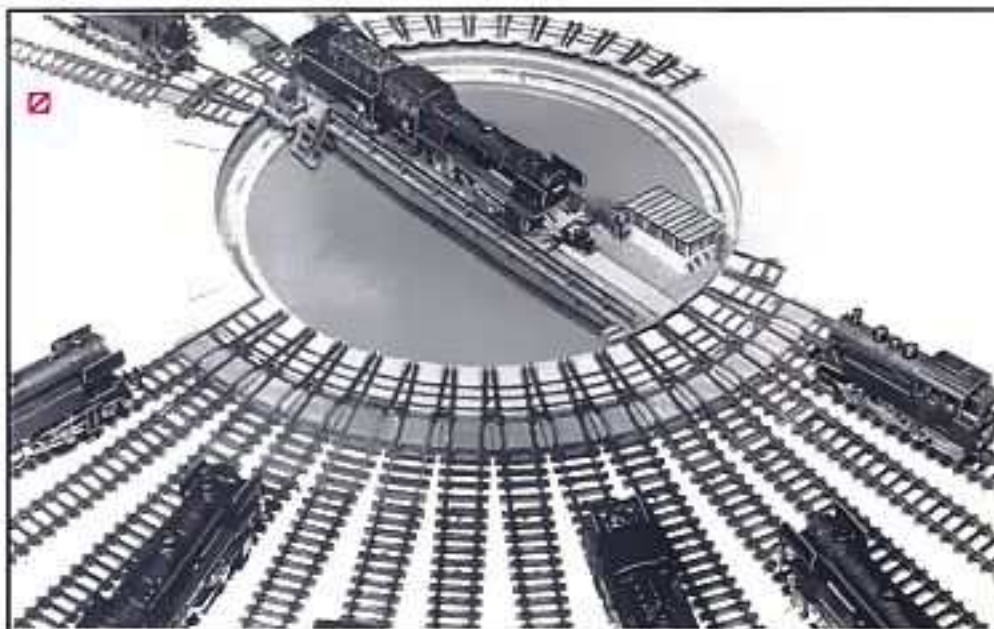
Detailed assembly instructions are included in each kit.

The drawings which are shown next to each photograph show the actual size of the article. Every kit contains fully detailed instructions.



**0851 Electric Turntable**      \$ 39.99  
with control panel and 3 tracks

Model of 85 foot turntables found around the world. Tracks can be snapped in as desired; additional segments No. 0852 are available. Tracks can be snapped in at angles of 7½°, allowing a maximum of 48 tracks. Thus turntable is easily adapted to the needs of any layout. Tracks not lined up with the bridge are automatically shut off from power. If bridge is turned over 180°, polarity is automatically reversed. Overall diameter 8½". Maximum wheel base of locomotives 6½".

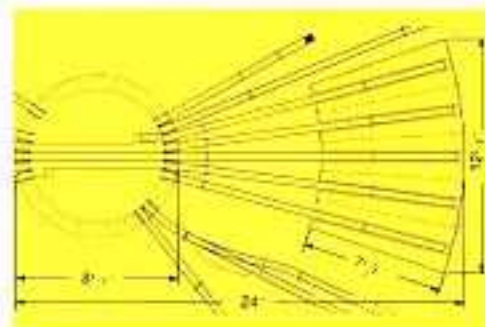


**0852 Track Segment Assortment;**      \$ 1.99  
Package of 3 tracks

This package is used to add more parking tracks to the turntable; includes dead-end stubs for insertion opposite the parking tracks.

**Space needed for the turntable and engine shed**

The tracks can be spaced at angles of 7½° or multiples thereof. This allows long locomotives to be parked in front of the roundhouse.



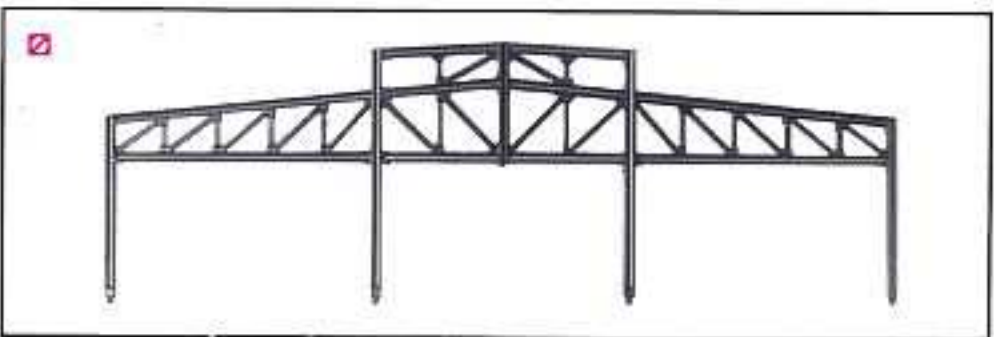
**0854 Roundhouse**      Kit \$ 15.98

Has stalls for 5 locomotives with 10 individually moving doors. If more stalls are needed, a second kit can be joined to the first.



**0857 Roof Support**      Package of 5 \$ 1.99  
of Round House

If one of these supports is used in place of a wall, a second roundhouse can be attached to the first to make one continuous building.





## Universal building kit for city and industrial buildings



Partial view of an Arnold rapido model railroad layout.

This town has been built up from the contents of 9 packages of Number 0679. It shows many variations which can be achieved with the contents of this kit. All individual buildings made from the kit can be attached to one another to form city blocks.

An elevated rail line runs the train over bridges and dams through the center of the city which also shows a heavy pedestrian and automobile traffic.



The figure sets, N 806 and N 812, made by MERTEN, and the various automobiles and other vehicles made by Arnold rapido bring life to the N gauge city.



**0679 Universal Building Kit** \$ 4.50  
This kit has been designed to create an entire complex of buildings 0672-0678, or to free fancy. The various rectangular building blocks are so designed that even a beginner can create almost any modern building within a short time. The various buildings can be formed into blocks, so that any real life situation can be duplicated.

The building complex at the right was constructed from the contents of one package number 0679.



Assembly of the parts in the Universal Kit number 0679 is very simple. There are three transparent cube shaped ground elements which form the basis and the windows of buildings. Walls, floor, ceilings and decorations fit into the grooves of these ground elements.





The illustrations on this page show how the various building kits can be combined into groups as desired. The instruction sheets which are furnished with the kits provide more ideas for creating entire building complexes. The parts in these kits are easily interchangeable. They provide many opportunities for free-landing, making changes, or building structures different from those shown according to one's own ideas. To further improve the appearance of the finished buildings, a dull plastic paint such as Humbrol is recommended, and available from all dealers.



**0670 Station Center** Kit \$ 2.98  
This impressive looking building has a large lobby with counters for ticket sellers and an exit through to the tracks.



**0673 Office Building** Kit \$ 2.50  
Offices upstairs, stores downstairs.



**0660 Freight Station** Kit \$ 1.98  
Include office and warehouse with ramp for rail and highway traffic.



**0676 Flag Stop** Kit \$ 1.98  
In order to increase the size of this local stop, two kits may be built end to end. The bases of kits 0675 and 0674 may also be used as a platform.



**0678 Bungalow and Retail Stores** Kit \$ 1.98  
Because of the small individual sizes, the three buildings can be installed in a variety of ways. They can stand alone or in combination.



**0672 Cafe with Terrace** \$ 2.99  
This spacious and attractive building is especially effective if combined with kits 0670, 0673 and 0674. A combination of these buildings makes an interesting facade.



**0675 Suburban Station** Kit \$ 2.50  
The lobby and restaurant of this building present a very harmonious combination. The building can also be combined with kit 0676.



**0674 Railway Post Office** Kit \$ 2.50  
From the lobby of the postoffice a covered passageway leads to the parcel post section. The kit could also be used as an industrial building.

## Model railroad and landscaping accessories



**0601 Transformer Station Kit \$ 2.98**  
Includes two different transformer stations and 10 high-power transmission masts. The masts can be connected with one another with rubberized cables No. 0554.



**0642 Track Scale with Phone Booth Kit \$ .98**  
The scale consists of a weighing shed the floor of which fits into any straight track section.



**0603 Crossing Keepers and Equipment Hut 2 for \$ 6.25**  
These small structures find many uses along the model railroad line.



**0632 Shed Assortment Kit \$ 1.40**  
Consists of four sheds, four crates, four benches, moss, 2 base plates. The natural reproduction of these shacks make them suitable for many uses



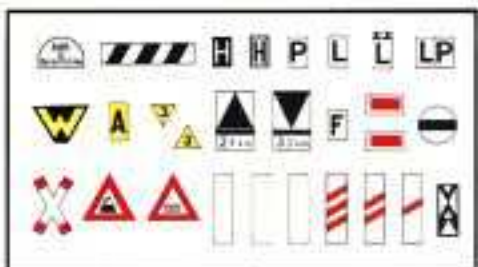
such as tool sheds, supply sheds, hay shacks, as well as forest huts.  
ea 3" x 3"



**0677 Switch Tower with Shed Kit \$ 1.98**  
This building can also be used as a watchman's or gate house.



**0648 Old Wooden Bumper without Track Kit 2 for \$ .98**  
This bumper can be snapped into any straight or curved track section.



This cut out sheet is included with sets 0603, 0642 and 0677.  
The signs are made to "N" scale and realistically colored. They are used to decorate and complete various parts of the "N" gauge layout.



**0602 Telephone Poles and Phone Booth Kit \$ 1.40**  
Contains twenty masts and one phone booth. These telegraph masts are found along side all non electrified lines. The phone booths are located at regular intervals and are usually made of a corrugated steel construction

For all "N" Gauge fans, the assortment of accessories has been further expanded. All models are exact reproductions of their prototypes, and are intended to add reality and purpose to the trains on the layout, and to create realistic surroundings.

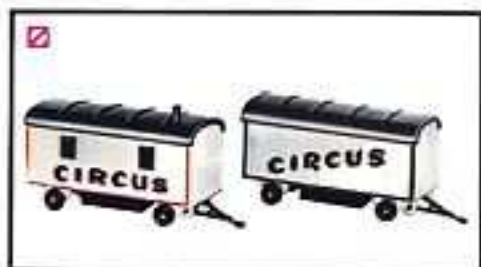
The various kits are intended to complement each other.



Railroads transport a multitude of items in open cars. These include wood, steel, minerals, rocks, calcium, etc. This illustration shows how this is duplicated on an Arnold rapido layout.



**0649 Flat Car Loads Kit** \$ 1.49  
 This assortment consists of one stack of lumber, one stack of timber, one ship's drive mechanism, one large crate, two cable drums and one cylinder. These assorted loads are suitable for activating freight stations, gondolas and flat cars.



0651 Circus Gear & Box Office Wagons 2 for \$ 1.49



0652 2 Circus Cage Wagons \$ 1.49



0653 Construction Wagon & Furniture Van \$ 1.49



A circus has to travel. The various circus vehicles can be mounted on flat cars using clip number 0650. Interesting circus trains can thus be assembled.



0659 Assorted Passenger Cars \$ .38  
2 Ford M 17, 2 Opel Rekord.



0662 Passenger Car Assortment \$ .38  
Two VW's and two Mercedes 200.

These cars are true scale reproductions of well known motor vehicles 1/160 actual size. These models are intended to liven up the layout, and to bring action to portions not reached by the trains. The passenger cars and small trucks can also be loaded onto the auto transporter No. 0426. The trucks and buses have glass enclosed cabs and twin tires on the rear axle. Bumpers and lamps have been colored silver. All vehicles are packed in bubble packs.



0663 Bus \$ .99  
Model of Mercedes Bus 0322 with interior detail. Finished in multiple colors with imitation glass windows. Length 2 1/4".



0660 Assorted Trucks \$ .98  
Two VW open trucks and two VW Combi cars.



0668 Two Dump trucks \$ .38  
Movable body, twin tires in rear, transparent windshields. Length of each truck is 1 1/4".



0662 2 Small Trucks with Containers \$ .38  
These trucks are used to bring small containers from railroad sidings to the ultimate consignee.



0665 Tank Truck with Trailer \$ .58  
Tractor has long wheel base and twin tires at the rear and transparent windows. Length is 3 1/4".



0664 Tractor and Trailer \$ .58  
Trailer has 4 wheels each with two tires. Tractor has long wheel base with twin rear tires, and transparent windows in the cabin.



0668 2 Small Tractors \$ .58  
Models of Mercedes Trucks with glassed in windows.



0667 Door to Door Delivery Gear \$ .98  
Piggy back in reverse. In Germany, box cars are often taken from the tracks and delivered over the highway to the users.

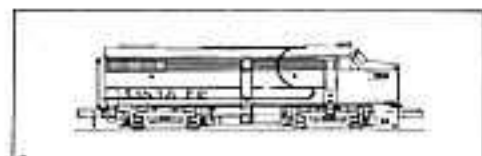


0658 Clips for Mounting Highway Vehicles on Flat Cars 10 for \$ .60  
These clips are fastened to the bottom of the highway vehicles and snapped into the side of gondola cars.



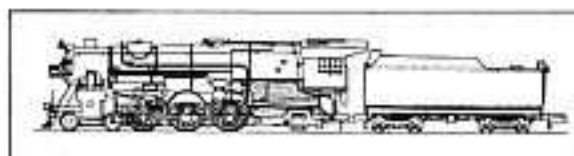
0666 Tractor with 40 Foot Container \$ .98  
Highway trailers with various markings.



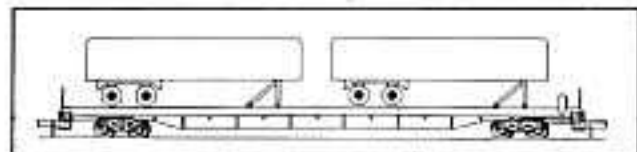


All-metal construction - 8 wheels are powered and pick up electricity - Super Detailed - Automatic couplers at both ends - This new locomotive is probably the best value of any model locomotive regardless of gauge or make.

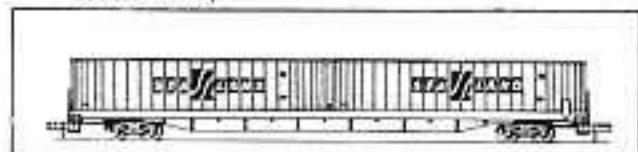
0276W Alco FA-1 Diesel, Santa Fe, \$ 18.98  
0276R Same loco, Penn-Central \$ 18.98



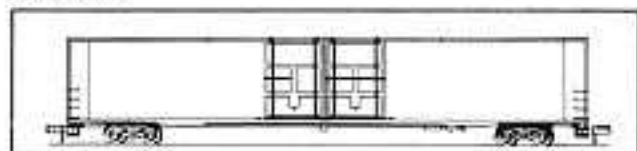
0228D Pacific Steam Loco, tender, B & O \$ 28.98  
all-metal, electric headlight, full valve gear  
0228U Same Loco, Union Pacific \$ 28.98  
0278S Same Loco, Colorado green \$ 28.98  
SOUTHERN livery



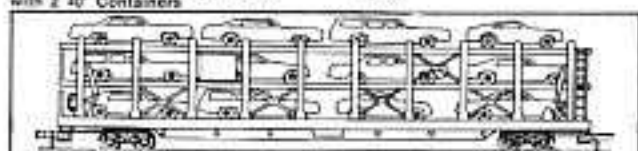
0407T 86' Trailer Train Flat Car \$ 3.98  
with 2 trailers



0405T 88' Trailer Train Flat Car \$ 2.50  
0406T 88' Trailer Train Flat Car \$ 3.50  
with 2 40' Containers



0404U 88' High Cube Box Car, \$ 3.98  
Union Pacific  
0404D 88' High Cube Box Car, DT & I \$ 3.98



0406T Triple Deck Auto Rack Car \$ 3.50  
0409T Triple Deck Auto Rack Car \$ 4.98  
with 12 Automobiles

## Sets-Complete with Power Pack

Every train set is attractively packaged and contains the locos and cars

shown plus the following:  
2 9" straight tracks, 4 curved tracks, a re-railer, and two terminal clips as well as a connecting cable, AC/DC power pack, UL approved.

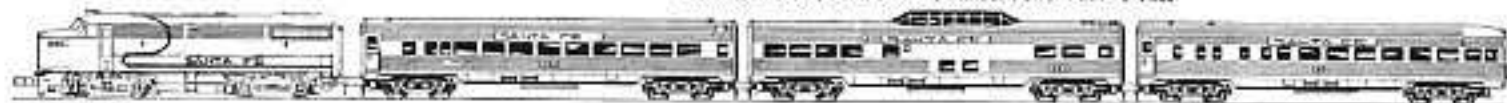
To extend these sets into small layouts, extender sets 013 or 014 shown on page 9 are recommended.



081 Shuttle Bug \$ 25.98  
0-6-0 Tank Switcher, Gondola, Hopper, Caboose  
080 This set less power pack \$ 19.98



083W The Bluebird, Santa Fe \$ 21.98  
Alco FA-1 road diesel, tank car, stock car, caboose.  
083B Same Set, but Penn Central Colors \$ 21.98  
083W Same Set, Santa Fe, without Power Pack \$ 14.98  
083B Same Set, Penn-Central, without Power Pack \$ 14.98



085 El Capitan \$ 24.98  
FA-1 road diesel, coach, dome car, observation car.  
086 Same Set without Power Pack \$ 19.98



088 The High Ball \$ 34.98  
0-6-0 Switcher, Tender, Box Car, Hopper, Gondola, Caboose, and STATION



084 Belle of the Eighties \$ 34.98  
0-6-0 Old Timer Engine and Tender, Combine, Open Platform, Coach.

# Complete SETS without Power Pack



874 Beaver  
6-4-0 Industrial Switcher, Box Car, Gondola, Caboose. \$ 13.99



875 Old Timer  
6-4-0 Timar, Engine and Tender, Combine, 20men Platform Caboose. \$ 29.99



876 Transcontinental, B & O  
FP9 Diesel with lights & 8 wheel drive, Box Car, Hopper, Gondola, Caboose. \$ 22.99



878 Empire Builder  
2-6-0 Switcher, Tender, Box Car, tank car, Depressed Center Flat Car, Hopper, Caboose. \$ 29.99



662P Same Set, Penn Central. \$ 25.99



807 Super Chief, Santa Fe  
FP9 Diesel with lights & 8 wheel drive, Dummy Diesel, Baggage Car, Coach, Vista-dome, Observation Car. \$ 32.50



807S Same Set, Baltimore & Ohio. \$ 29.99  
867S Same Set, Southern. \$ 29.99

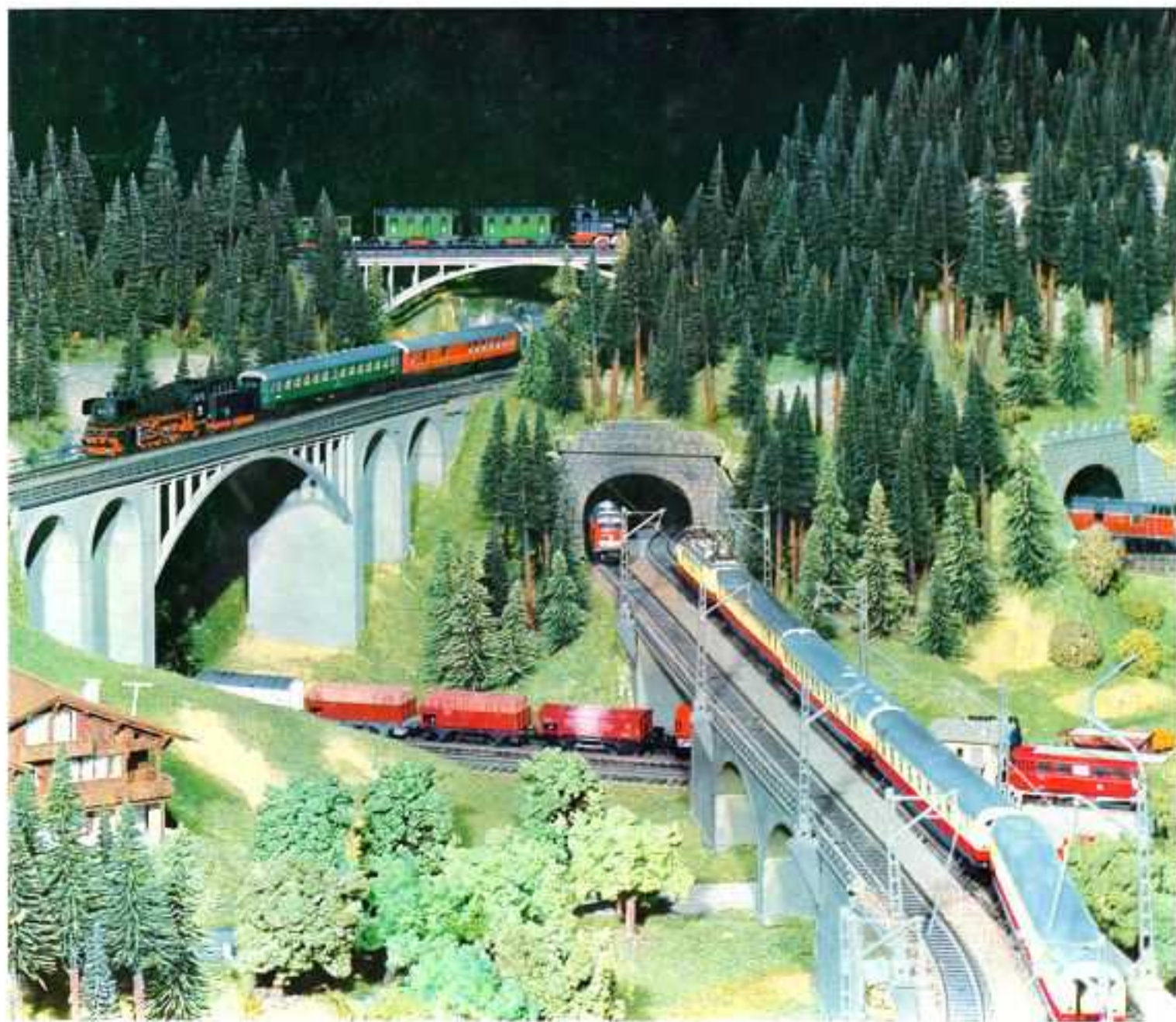


The layout shown above can be assembled from the track which comes with all Arnold 100-00 track sets.

To extend those sets we recommend packages 013 or 014 shown on page 9.



**ARNOLD** *rapido*



For further details, demonstrations, or advice  
see your dealer.