

ARNOLD *rapido*®



Main Catalog 1967-68
N Gauge = 9 mm between the rails
Scale 1:160; 2 mm = 1 foot
Catalog Price 60 cents

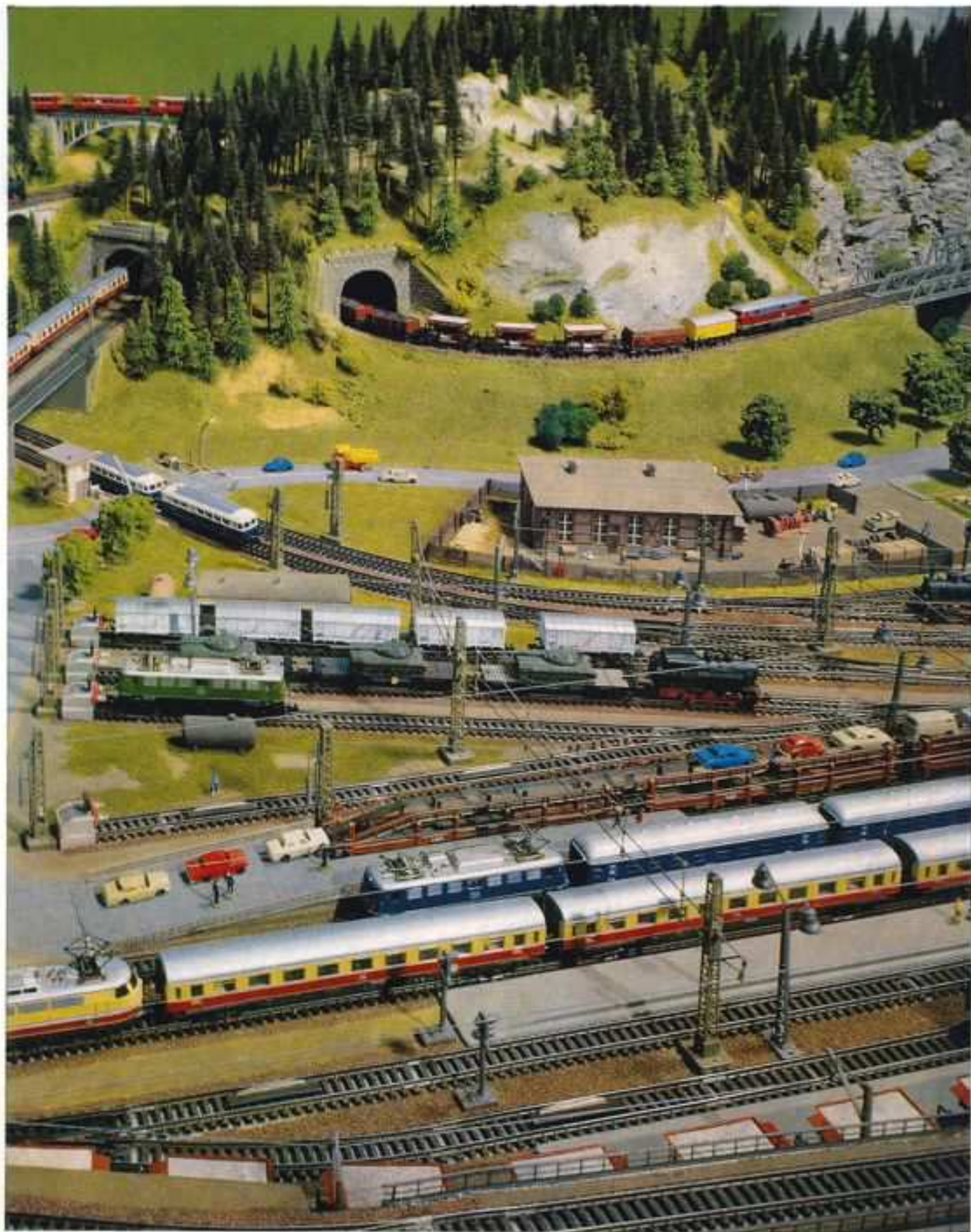


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● : New Items 1987

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Series 80, T 3, BR 23, E 43, V 100, Offens
 (Pages 10, 11, 14, 15, 28),
 EB 04 (Page 12)

Prototype Practice

V 200 (Page 15)

BR 66 (Page 10)

E 03, TEE-Zug (Page 13, 24, 25)

OBB-Schienenbus (Page 16)

The Small Train
With The Big Possibilities.



Arnold is a name which symbolizes high quality and precision. This reputation has been gained over 60 years of painstaking labor through which a big following of hobbyists of all ages was attracted. Arnold toys are made in Western Germany in Nuernberg, the toy capital of the world. Here the first train line was opened to the public in 1835 and here the International Toy Fair takes place each year.

Since 1960 Arnold has produced the Arnold rapido Line, the world's first model railroad running on 9 mm tracks. It has since been designated as "N" gauge. Almost immediately it made a hit in the world market and conquered the hearts of all who could realize its great possibilities and many advantages: A genuine model railroad which can be set up in a

very small space and still allow for the full realization of the builder's own ideas and fantasies. Careful reproduction of all prototype details, absolutely reliable performance, and a great variety of equipment are the three pillars on which its reputation rests.

Arnold rapido constantly expands its program and increases the technical refinement for its friends who appreciate attention to all details. They will be delighted by the realistic switches with a 15° angle, by the two space-saving track radii plus the two large track radii of realistically sweeping curves, by the excellent performance of the engine, thanks to their robust, indestructible motors, and by the faithful reproduction of all prototype details in the locomotives, cars and accessories.

The economical assortments allow you to obtain a train set for as little as \$ 13.98. These then will expand step by step until a magnificent railroad empire has been reached. For this purpose there are already more than 20 locomotives, beginning at \$ 9.98, and 83 different cars from \$ 1.50, as well as all accessories and building required for constructing a realistic layout. It is even possible to set up operating catenary through which two trains can operate independently over the same track.

Arnold rapido wishes all its old and new friends much fun and relaxation with

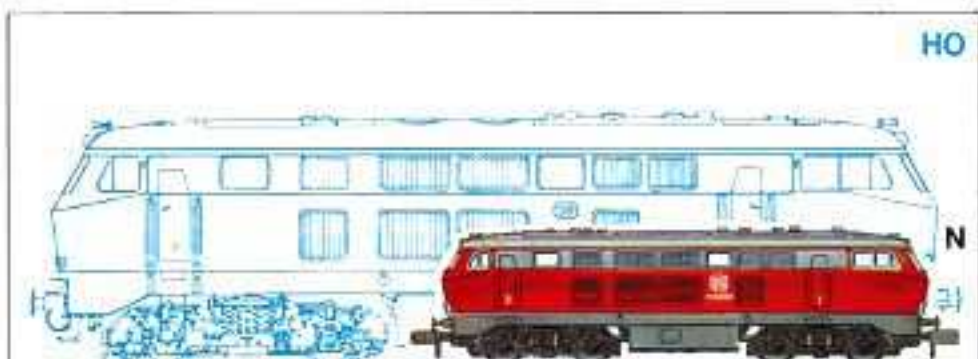
**Arnold rapido,
the train of our time.**





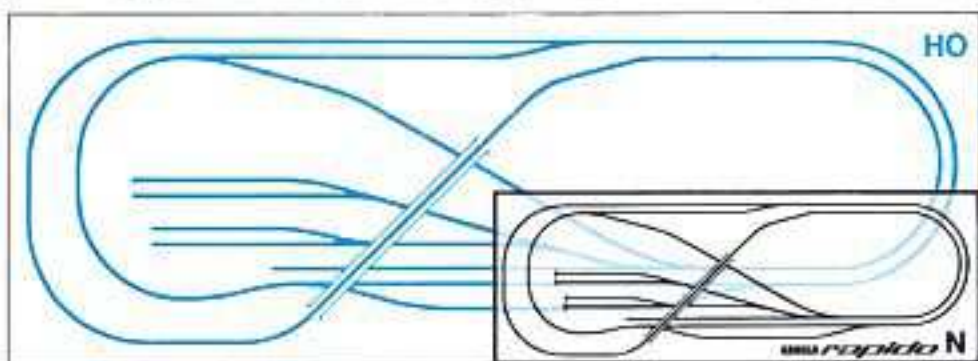
The scale of the 1:160 which has been internationally known as "N" gauge (9 mm) permits the operation of realistically long trains and scale reproduction of station and yard facilities. In spite of their small scale all Arnold rapido locomotives and cars are faithfully reproduced models of their prototypes.

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.

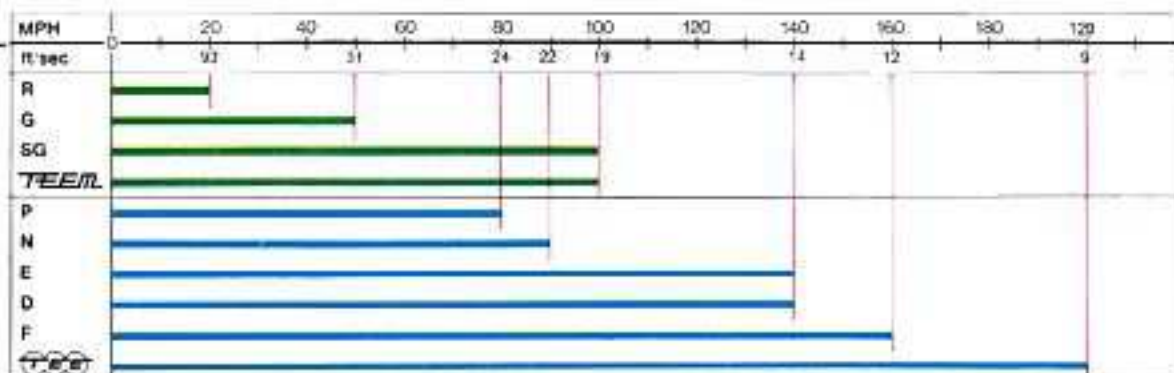


The graphs shown below indicate the relation between Arnold rapido models and their prototypes in size as well as speed. If for example an Arnold rapido model has a length of 75 m, this represents a prototype with a length of 37'. A prototype express train traveling 120 miles per hour must cover 9 per second, while a freight train with a prototype speed of 30 miles per hour requires 4 seconds to cover 1 foot.

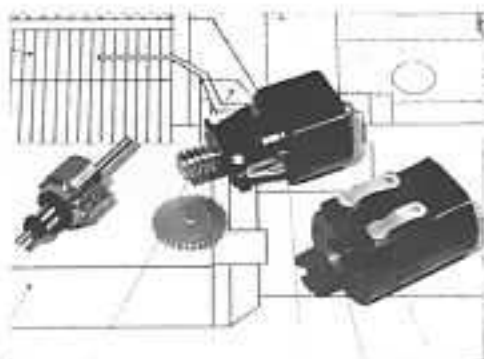


Speed

Prototype	MPH	ft/sec
"N" scale 1:80	0 to 120	0 to 9
Switch	R	1.5
Freight trains	G	3.1
Express trains	SG	6.2
Transcontinental Freight trains	TEEM	12.4
Mixed passenger trains	P	15.5
Suburban trains	N	18.6
Limited stop passenger trains	E	21.7
Express trains	D	24.8
Overland Express trains	F	27.9
High Speed Express trains	TEEM	31.0



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.
G — freight trains.
R — switching.

9 indicates that Arnold rapido-locomotive No. 0202 is capable of pulling either 44 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. 0780 easily installed. Column 11 indicates if the locomotives are lightened.

Prototype	Arnold-rapido Model					Pulling capacity										10	11		
	1	2	3	4	5	6	7	8										9	
			km/h (max.)	D	P	Cat. No.	Weight (g)	4 wheel cars										8 wheel cars	
								5	10	15	20	25	30	35	40	45	50		
0200	V 200	B-B	145			0200	138	[Bar chart showing pulling capacity for 4-wheel cars]										44	
Private	Industrie Diesel	B	53			0203	40	[Bar chart showing pulling capacity for 4-wheel cars]											
Private	Baldwin Industrie Diesel	B-B	50			0204	119	[Bar chart showing pulling capacity for 4-wheel cars]											
0204	V 160	B-B	120			0205	88	[Bar chart showing pulling capacity for 4-wheel cars]											
USA	General Motors GM 12-9	Ba-Ba	70			0211	102	[Bar chart showing pulling capacity for 4-wheel cars]											
USA	General Motors 2xGM12-9	1+Ba-Ba	170			2x-0211	204	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	BR 65	1-C1	100			0220	135	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	BR 89 (F 3)	C	40			0222	50	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	BR 21	1-C1	112			0225	120	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	BR 90	C	45			0225	58	[Bar chart showing pulling capacity for 4-wheel cars]											
USA	Oldsmar	D-6-D	40			0226	45	[Bar chart showing pulling capacity for 4-wheel cars]											
USA	Baldwin	D-6-D	40			0227	45	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	Be A 4	Ba-Ba	125			0230	100	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	E 10'	Ba-Ba	100			0232	112	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	E 10'	Ba-Ba	160			0235	112	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	E 40	Ba-Ba	100			0236	112	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	E 05	Co-Co	200			0236	127	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	E 66	Ba	90			0240	40	[Bar chart showing pulling capacity for 4-wheel cars]											
0200	BR 0200	Ba-Ba	160			0249	95	[Bar chart showing pulling capacity for 4-wheel cars]											

The Fully Automatic Arnold rapido Coupler.

All locomotives and cars are equipped with fully automatic couplers (Rokal license). 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 lifted out of a train without disturbing the other cars, thanks to the open construction of the couplers.

The Arnold rapido Uncoupler Track.

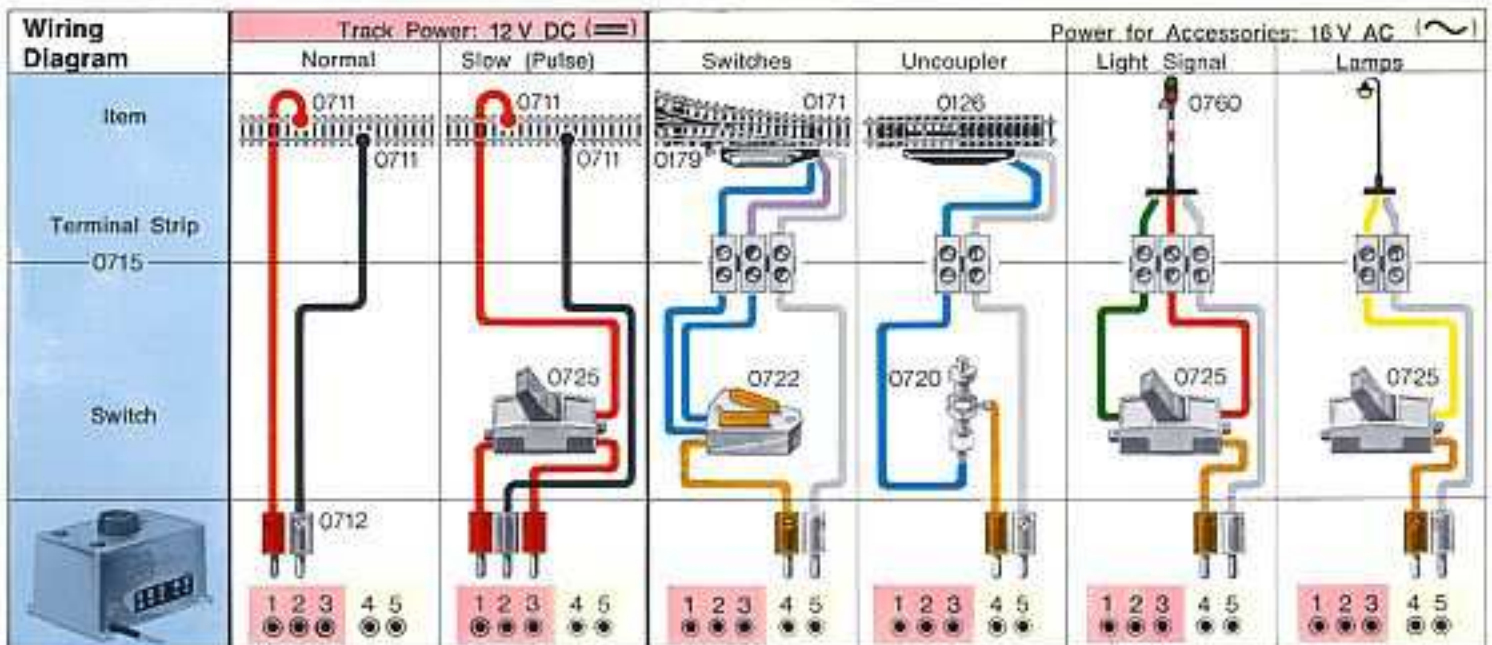
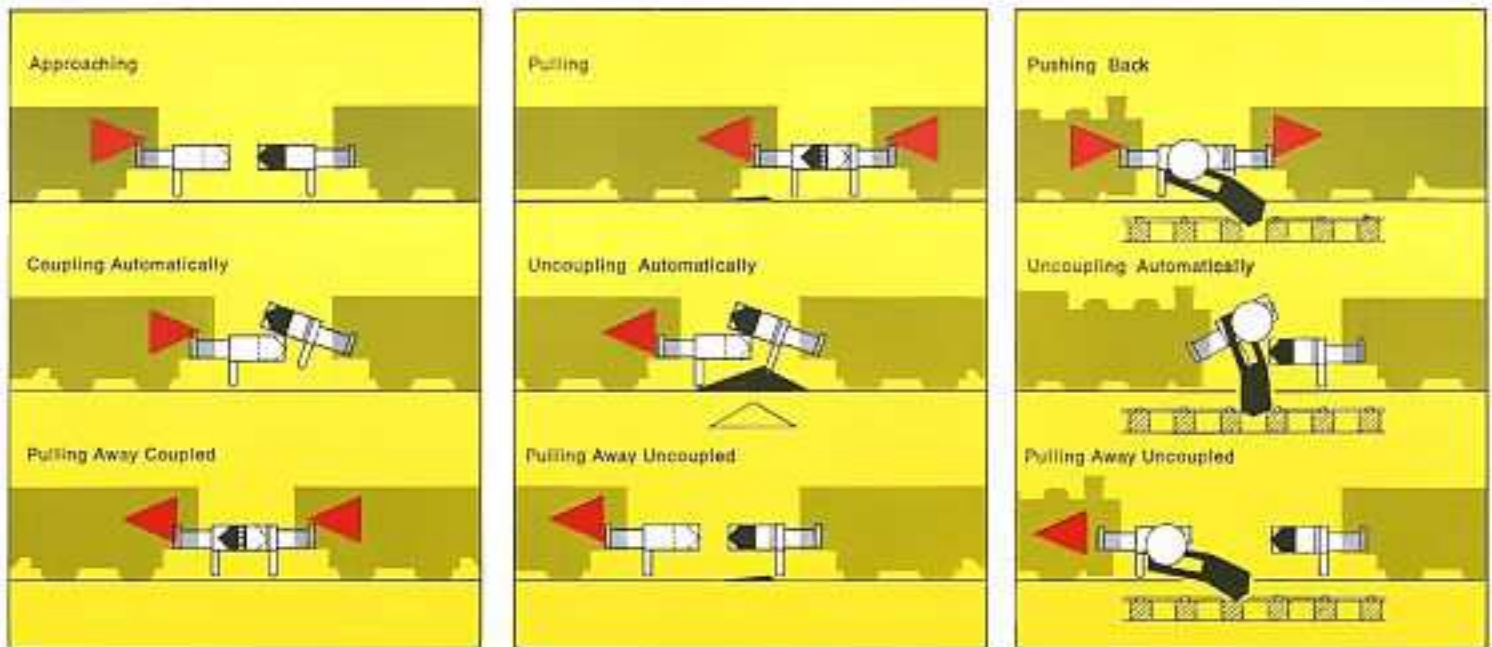
The uncoupler track number 0126 can be installed in the layout anywhere in place of a half straight track section. It enables the uncoupling of cars by remote control.

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 0760 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 0708 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.

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

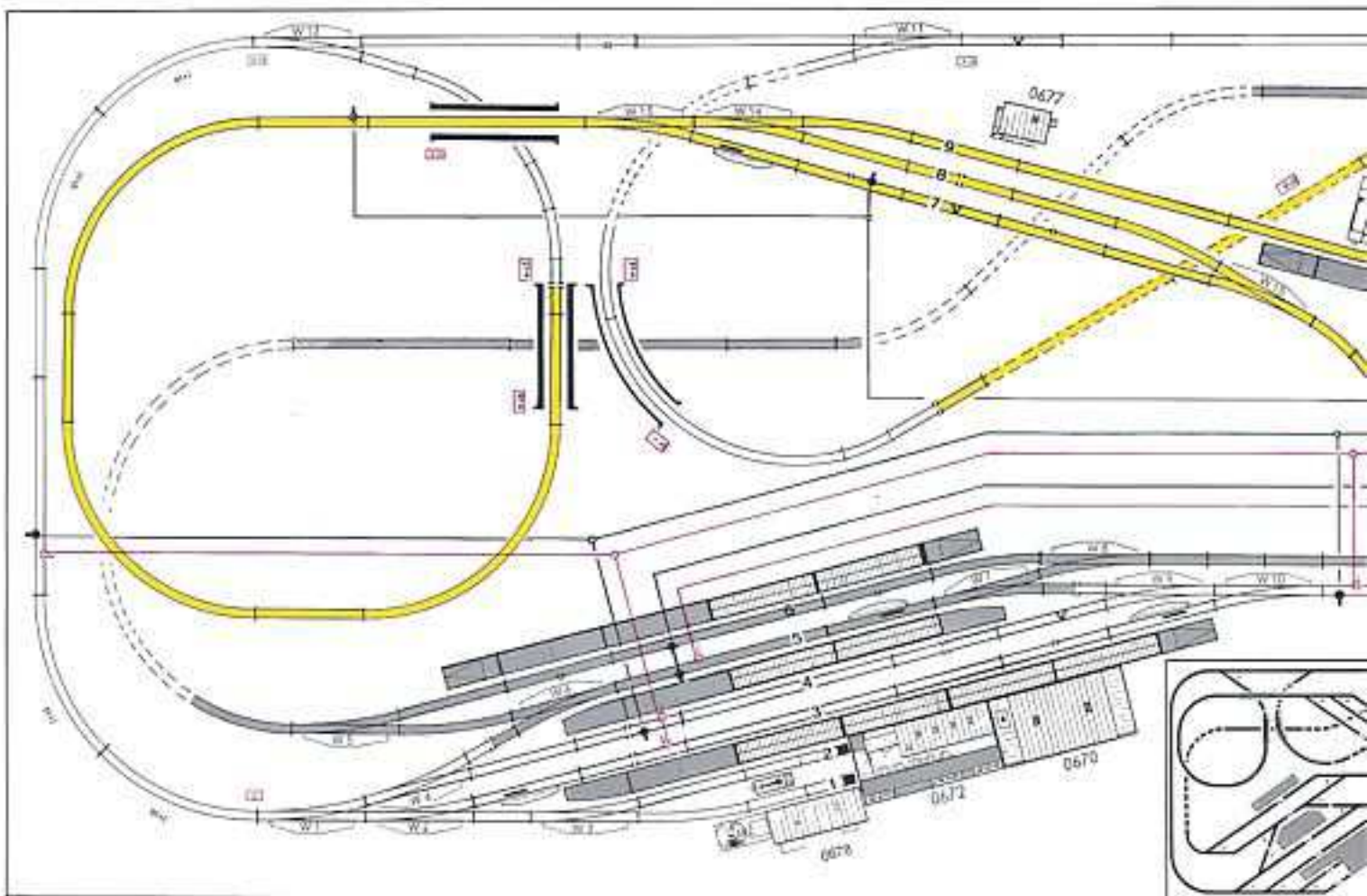
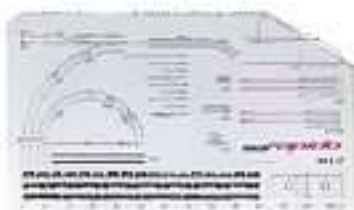


Track Layout Manual For N Gauge \$ 3.98
120 pages, size 8 1/2" x 12" with over 500 illustrations.

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.

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.



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

Starter Sets with Track Oval or Track Layout European Type

ARNOLD *rapido*

(For American Type trains see page 47)



031 Freight Train With Track Layout

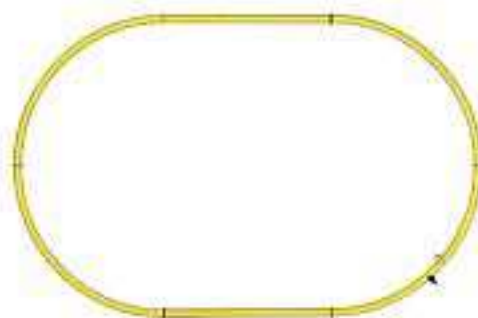
\$ 24.98

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, 0164,
One pair manual switches, 0170,
Two terminal clips, 0711,
One connecting cable, 0712,
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.

Train sets are inexpensive starting packages. They contain everything needed to begin the hobby: a complete train with the locomotive and cars and track to make an oval of 16" x 25". Set 031 in addition contains all the track section which are included in the extender package 014. All train sets are packed in attractive display cartons. They make ideal gifts because the recipient can use all the components as he increases the size of his layout.



043 Industrial Diesel Freight Train

\$ 14.98

Length of train 9".

1 industrial diesel locomotive,
1 gondola with lumber,
1 calcium car,
1 box car,
Oval of track, terminal clips, connecting cables, re-railer. All packed in attractive gift package.



044 Branch Line Passenger Train

\$ 19.98

Length of train 11".

1 tank locomotive, series 80 of German Federal Railroad, 3 branchline passenger cars,
Oval of track, terminal clips, connecting cables, re-railer. All packed in an attractive gift package.



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.

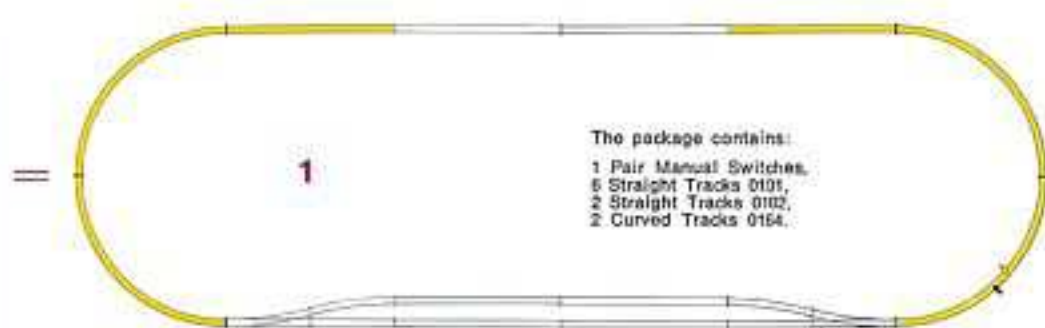
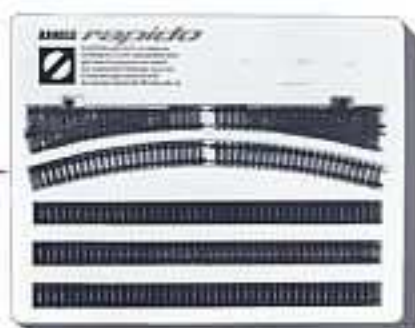


Starting Sets & Track Extender Package = 1st Layout

- 048 Express Train \$ 29,99
 Length 18".
 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.



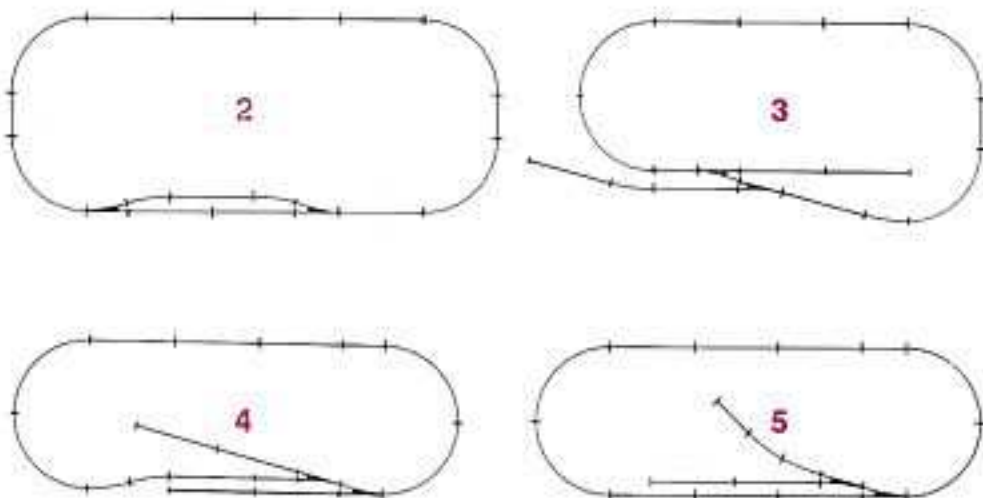
● 014 Track Extender Package \$ 9,99

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 0179. 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 0641 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 far 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 Witke.



**Steam Locomotives:
Prototypes of the
German Federal Railroads**



0220 Tank Locomotive \$ 24.95
Model of the tank locomotive 88 of the German Federal Railway.
Six axles, 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 88 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 \$ 14.95
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



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 pickup 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.





An old time scene built entirely from elements of the Arnold rapido 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 5 - Steam Locomotive with Tender \$ 24.95
Electric headlight, full valve gear. Couplers at both ends. Very powerful motor, all 6 wheels powered. 2 have rubber tires for added traction.



● **0226 Old Time Locomotive** \$ 19.95
Model of types which operated in the American West.
0-6-0 with 8 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 locomotives. 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** \$ 16.98
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.

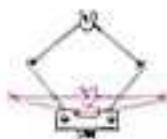


0340 Electric Multi-purpose Locomotive \$ 10.98
Four wheels, all powered and picking up electricity. Body and chassis made of highly detailed, unbreakable plastics. Finished in green and grey. Fully automatic couplers at both ends. Pantograph without electrical function.
Locomotive of this type were 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 1/2 oz.
A layout on which electric type locomotives operate can be decorated with dummy catenary.

Modern Electric Locomotives of the German Federal Railways

The new locomotive series E 00 is the fastest and strongest engine on the German Federal Railroad, and it is the first locomotive designed to operate regularly at speeds 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 \$ 24.98

Model of Series E 00 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 independently over the same tracks. Overall length 4-1/2".



Birdseye View of Arnold rapida Model of the Model 0236.

A set screw for selecting operation from cantenary 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.



0232 Electric Express Locomotive \$ 19.98

Model of series E 10¹ of the German Federal Railways.

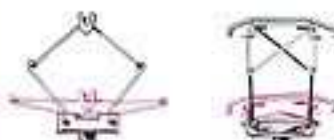
0-4-4-0 powered in all wheels; all wheels pick up electricity. Body made of metal and highly detailed. Finished in blue lacquer. Glass windows in the cabs. Three electric headlights at both ends which change automatically in accordance with the direction of travel.

Series E 10¹ 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.





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



0233 Electric Long Distance Locomotive \$ 21.88

Model of the series E 10^a of the German Federal Railroad.

Technical details identical with locomotive 0232, but finished in blue and ivory. When used with our express coaches 0344, extremely elegant express trains can be made up.

Locomotives of series E 10^a have been used since 1903 to pull the famous Rheingold and Rheintal express trains. Occasionally they are also found in front of other passenger trains over its electrified lines. Its maximum speed is 100 miles per hour.



0234 Electric Multi-purpose Locomotive \$ 19.98

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.



0245 Electric Multi-Purpose Locomotive \$ 21.00

Model of Series BB 9200 of the French State Railroads.

Powered in all eight wheels; 2 electric headlights at each end which burn automatically only in the direction of travel. "Frog-Leg" type pantographs without electrical function.

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.



0230 Electric Locomotive \$ 14.98

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.

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



0205 Multipurpose Diesel Locomotive \$ 18.99
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. Glased-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 against 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 1500 horse power and has a speed of 75 miles per hour.



0202 Multipurpose Diesel Locomotive \$ 19.99
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. Gas 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 \$ 9.99
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.



0201 Industrial Diesel Locomotive \$ 13.99
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 and Austrian Federal Railways

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 Railroads.
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 1/4".



0301 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 1/4".



0302 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 1/4".



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** \$ 15.98
Model BVT 5001 of the Austrian Federal Railroad.
- **0303 Railbus Trailer** \$ 3.98
Model BTL 2001 of the Austrian Federal Railways.
- **0304 Railbus Trailer with Cab and Lights** \$ 5.98
Model BTV 6501 of the Austrian Federal Railways.



- **0262 Baldwin Diesel Locomotive, Union Pacific.** Model of the Baldwin 1000hp. 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. \$ 13.98
- **0261 Baldwin Diesel Locomotive, New Haven.** Not illustrated. Finished in orange, black and white. In the colors of the New Haven Railroad. \$ 13.98



- **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.

In the United States diesel locomotive 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 of the Northern Pacific Railroad. (Color Green).

- 0211 Powered Unit \$ 14.98
- 0212 Dummy Unit \$ 4.98

Diesel Locomotive FP 9 B & O Railroad (Color Blue)

- 0213 Powered Unit \$ 14.98
- 0214 Dummy Unit \$ 4.98

Diesel Locomotive FP 9 of Santa Fe Railroad (See Illustration)

- 0215 Powered Unit \$ 14.98
- 0216 Dummy Unit \$ 4.98

Diesel Locomotives FP 9 Pennsylvania Railroad (Color Green)

- 0217 Powered Unit \$ 14.98
- 0218 Dummy Unit \$ 4.98

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 FP 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

-  New Haven
-  Union Pacific
-  Northern Pacific
-  Baltimore & Ohio
-  Santa Fe
-  Pennsylvania



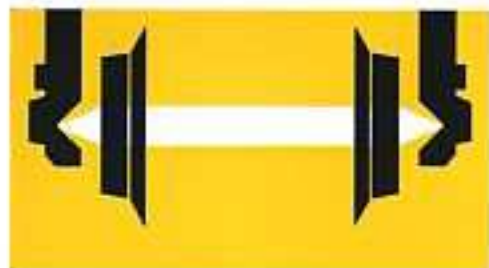
In the United States railroads are operated by many private companies. These paint their locomotives and cars in colorful combinations. One of the better known railroad companies is the Santa Fe railroad.

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 facinating 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.

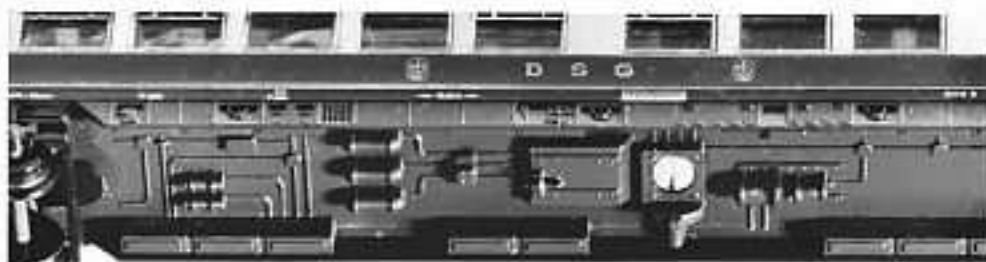


Maintenance free needle point bearing on all wheels.



Prototype colors.

The untouched photographs of these models show an enlargement of many details including the fine 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.



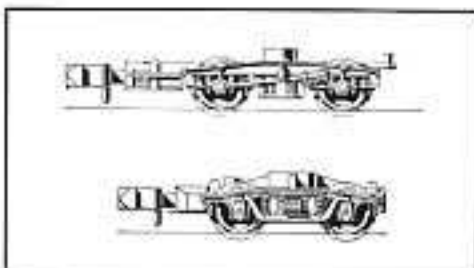
Detailed reproduction of the under body of all passenger cars.

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.

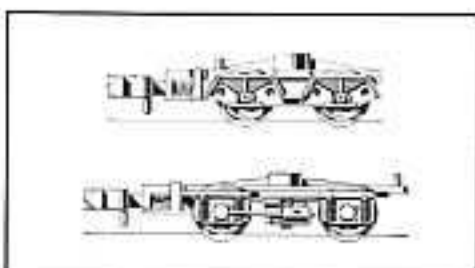


Close coupling in all Arnold rapido cars. Interior detail on TEE cars.

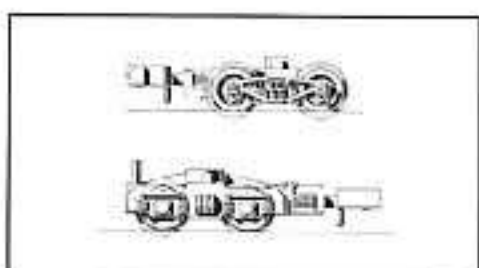


German Passenger Truck.
American Passenger Truck

8 1.50 pair



German Freight Truck.
European Freight Truck.



American Bettendorf Truck
Tender Truck.

8 1.50 pair

Old Time Passenger Cars for Romantic Layouts

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 2 series, they make a genuine old time train from the urn of the century.

Four Wheel Passenger Cars of the German Federal Railroad

These models are passenger cars of the former Bavarian State railways. They were built around 1930 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.

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.



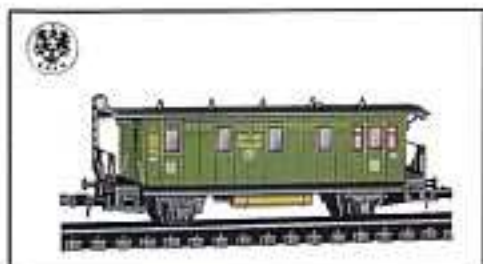
0303 Branch Line Coach Third Class \$ 3.25
Model of CiPr 86; Decorative roof, glass windows, with imitation window frames. Length 2".



0301 Local Coach \$ 3.50
For branch line service. Length 2 1/4".



0306 Local Coach \$ 1.99
Used for Branch Line traffic. Length 2 1/4".



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



0302 Local Coach \$ 3.50
For suburban service. Length 2 1/4".



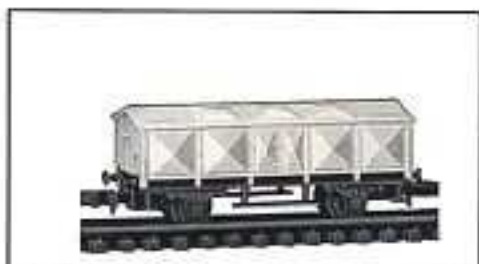
0420 Gondola \$ 1.50
Model of Om 31 of the German Federal Railroad. Length 2".



0305 Branch Line Baggage Car \$ 2.99
Model of PWiPr 95 with conductor's compartment. Length 2 1/4".



0306 Baggage Car \$ 2.99
For suburban service. Length 2 1/4".



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".



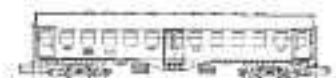
0309 Branchline Passenger Car 2nd Class \$ 2.50
Model of series of B 32 of the Former German Reich Railroad. Length 2 1/4".



0422 Closed Goods Wagon \$ 1.99
Model of Gms 54 of the German Federal Railroad with four ventilators. Length 2".



0314 Intercity Coach, Second Class § 3.98
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 1/2".



0315 Inter City Coach, 1st and 2nd Class § 3.98
Model of series AB 4 y ge-53 for short lines and commuter lines. Length 4 1/2".



0316 Express Car 2nd Class with Baggage Section § 3.98
Model BD 4 y ge-56 for short and commuter lines. Length 4 1/2". 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.



0318 Local Stainless Steel Coach § 3.98
Model of series AB 4 nb - 59 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".



0330 Baggage and Mail Car § 3.98
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".



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



0343 Touropa Sleeper \$ 3.25
Model of Bc 4 um of the German Federal Railroad
for charter vacation travel.
Length 5".



0341 Express Train Coach, Second Class \$ 2.60
Model of B 4 um of the German Federal Railroad.
Length 5".



0342 Express Train, Coach First Class \$ 2.60
Model of A 4 um of the German Federal Railroad.
Length 5".



0344 Long Distance Express Coach \$ 3.25
Finished in blue/beige Rheingold colors suitable
for use with locomotive 0033.
Length 5".



0345 Dining Car \$ 3.25
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".





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 1964. Length 5".



0369 Trans Europ Express Coach \$ 4.98

Model of Class A 8 myli of the French State Railways, 1st Class. Those 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".



0371 Standard Long Passenger Car \$ 4.98

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. This end type car with end doors has been produced by the Swiss Federal Railways since 1957 in large quantities. Length 5 1/4".



0372 Standard Long Passenger Car \$ 4.98

Model of Series B40 of the Swiss Federal Railways, 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 1/4".



Passenger Cars of American Railroad Companies

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 1850 through 1967.



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



- 0353B Vista Dome B & O \$ 2.98 Length 4 1/4"
- 0353N Vista Dome Northern Pacific \$ 2.98
- 0353S Vista Dome Santa Fe \$ 2.98



- 0355B Observation Car B & O \$ 2.98 Length 4 1/4"
- 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
- 0358P Mail Car Pennsylvania \$ 2.98



0351 Old Time Combina \$ 2.98



0352 Old Time Coach \$ 2.98



0350 Pennsylvania Bedroom Sleeper \$ 2.98



The Arnold rapido program contains suitable locomotives for each type of car.



Handy Conversion Scale - Inches to centimeters.



Trans-Europ Express Train on the Werra Viaduct
on the Debra-Goellfingen line.

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.

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

Every car can be fitted with an interior lighting Kit 0716. The lights can then be turned on and off at will. The wheels of these cars are already designed to pick up electricity. Constant coach lighting even when the train is standing still is possible through the use of the lighting unit 0702.

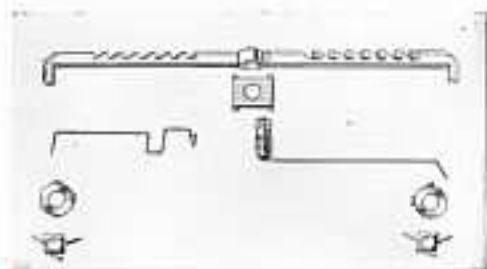


● 0081 TEE Compartment Coach \$ 4.99
Model of the first class TEE car AV 4m of the German Federal Railroad with compartments. Length 6 1/2".



● 0082 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".

Express coaches
with provision for interior
lighting and tail lights which
can be switched on and off



- **0716 Coach Lighting KIT** \$ 1.50
A transparent rod distributes the light of a single bulb to all windows. Can be shut on and off. Suitable for all TEE cars.



- **0383 TEE Bar Lounge Car** \$ 4.98
Model of the first class TEE car ARD 4um 64 of the German Federal Railway. Length 6 1/2".



- **0717 Tail Light Set** \$.20
The last car of a TEE train can be equipped with tail lights. These are illuminated through lighting set 0716.



- **0384 TEE Dining Car** \$ 4.98
Model of the Dining Car WR 4um 64 of the German Federal Railways with dining room, kitchen and supply room. Length 6 1/2".

Model freight cars of the German Federal Railroads

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.

Open freight cars are used to transport heavy bulk goods which are not effected by rain. For these a special nine load kit 0549 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 \$ 3.75
Model Pwg of the German Federal Railroad.
Length 2". - This is a European caboose.



0441 Box Car \$ 2.99
with round roof.
Model of Gmhs 09 of the German Federal Railroad.
Length 2".



0442 Banana Car \$ 2.98
Length 2".



0483 Box Car Europ \$ 2.50
Flat rooled box cars of this type are frequently
seen in all European countries.
Length 2".



0482 Box Car \$ 2.50
Model of Gmhs 08 of European railroads.
Length 2".



0423 Fish Refrigerator Car \$ 2.98
Used by the German Federal Railway to transport
fresh fish.
Length 2".



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
0549, even more versatility is achieved.



0446 Gondola \$ 2.98
Car 0445 with removable load of coal.
Length 2".



0447 Gondola \$ 2.98
Car 0445 with removable load of logs.
Length 2".



0455 Low Sided Gondola \$ 2.50
Model X of the German Federal Railroad.
Length 2".



0457 Container Car Kit \$ 3.99
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 \$ 3.98
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.

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

These are eight wheel cars, prototypes of which were built in the United States, but presently running in Germany. They have plastic super-structures and stamped metal chassis. Their finely detailed Belfordort trucks have steel axles with needle point bearings and fully automatic couplers.



0405 Tank Car, Esso \$ 3.00
Length 4".



0436 Tank Car Aral \$ 2.98
Length 2".



0437 Low Side Gondola with Coal \$ 3.00
Length 4 1/4".



0437 Tank Car BP \$ 2.98
Length 2".



0403 Horse Car \$ 3.00
With doors at the sides and end, ventilators on the roof.
Length 4 1/4".



0438 Tank Car Gasolin \$ 2.98
Length 2".



0406 Pipeline Transporter \$ 4.50
With brakemen's cabin and three large pipes.
Length 4 1/4".



0439 Tank Car Shell \$ 2.98
Length 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 1/4".

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



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

island of Dylt. Here too double decker auto transport cars are being used.

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.



0498 Open Double Deck Auto Transporter \$ 4.98

Model of Series Off ehs 68 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 8'.

Eight cars from our series 0659, 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.



0499 Open Double Deck Auto Transporter \$ 5.98

Same as car 0498, 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 3 1/2'.



These coils of steel are propped on special flat cars.



0496 Heavy Duty Flat Car with Steel \$ 3.50

This heavy duty flat car is loaded with 7 removable imitation steel coils.

Overall length 3 1/2'.

Maintenance of Way cars Flat Car Loads



0453 Low Sided Gondola § 2.50
Maintenance car of the German Federal Railroad.
Length 2".



The illustration shows some workers performing maintenance on tracks.



0454 Gravel Car § 2.79
Maintenance car of the German Federal Railroad.
Length 2".



Sets of figures by Merten
(Set N 870 and N 876).

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 MoW train can be assembled.



0464 Work Car Kit § 2.50
This model is used for storage and living quarters for maintenance workers. It is normally used together with cars 0453 and 0454.
Length 2".



0466 Maintenance Car with Crane § 2.98
Length 2".



Day after day the railroads transport an infinite variety of merchandise which are used by industry.

This includes wood, steel drums, minerals, rock, and calcium to name just a few. All of these are included in the Arnold rapido program.



0608 Track Ballasting Car § 3.98
Type Otm (Talbot design) of the German Federal Railways, with ballast insert. Length 2-1/4".



0640 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.



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



0412 Box Car \$ 1.98
New York Central markings.



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



0413 Box Car \$ 1.98
Boston and Maine markings.



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



0414 Box Car \$ 1.75
Santa Fe markings.



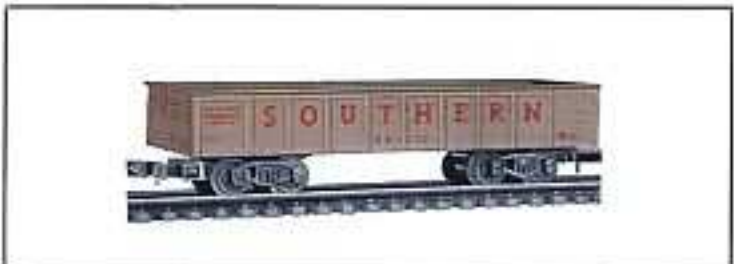
0402 Hopper Car with Coal New York Center \$ 1.98
Length 3 1/2".



0415 Box Car, E J & E markings \$ 1.75
All box cars are 40 scale feet long, or 3 1/2" in actual length.



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



0416 Gondola, Southern Railroad \$ 1.75
without load. Length 3 1/2".



0418 Caboose \$ 1.98
Length 2 1/2".

Dream layouts are the secret desire of every model railroader. Ever since the Arnold rapido line has been placed on the market, these dreams can be fulfilled, because space is no longer a factor. Not only the layout can be super detailed; there is also a rich selection of powerful locomotives for every type, cars for every task, tracks with four

different radii, switches and electric elements for all functions, plus numerous accessories. All this is waiting for you at your Arnold rapido dealer. The fascinating world of the model railroad without space problems also includes N gauge figures, for example, the Merten set N 908 and N 917, shown at the right.



With Arnold rapido, sweeping curves and daring viaducts can be assembled.

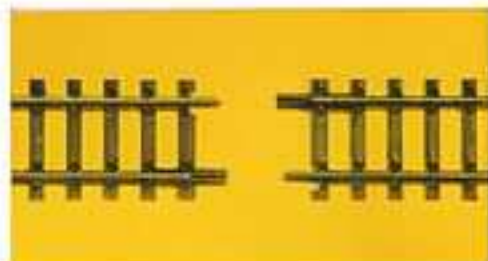


Even crowded downtown areas and industrial complexes can be reproduced to gather with active switching operations.

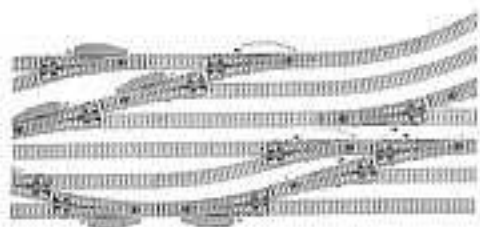
A Model Track System, Track: The Good Foundation For Fast Trains

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.

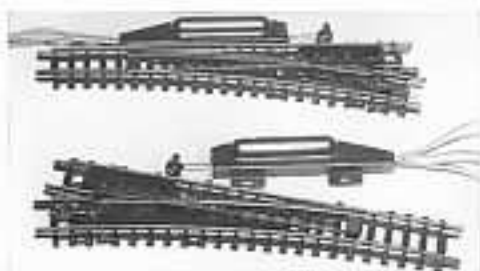
The Arnold rapido track has a realistic black burnished rail. Neither brass nor silver rails will be found on any prototype railroad. The advantage of Arnold rapido track is that it requires no cleaning. Even after long periods out of use, cars and locomotives will automatically clean the track. A locomotive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



The 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.

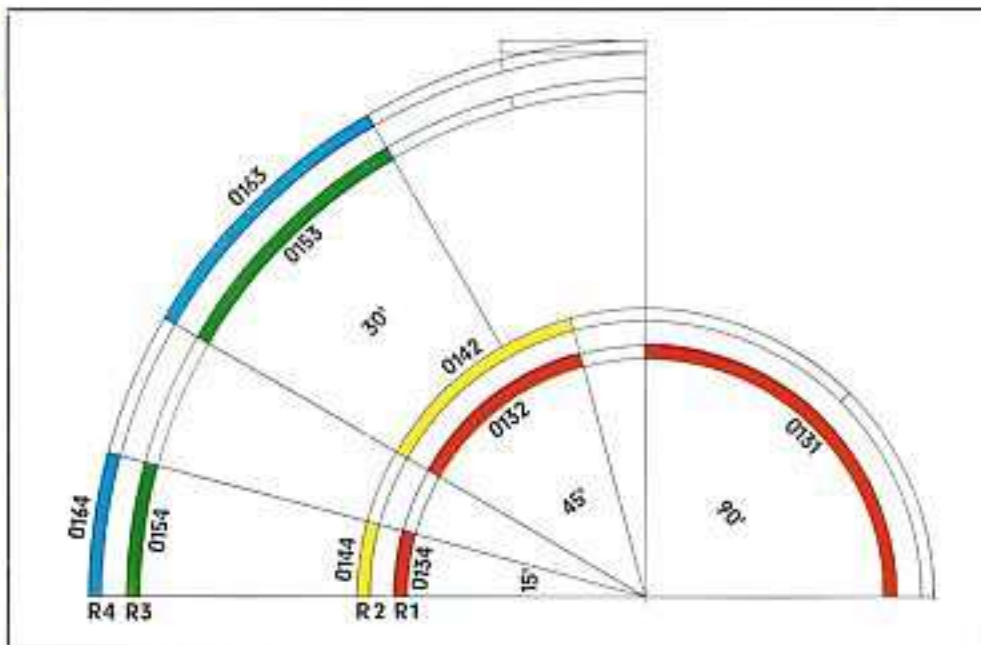


The Arnold rapido Switches

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.



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.

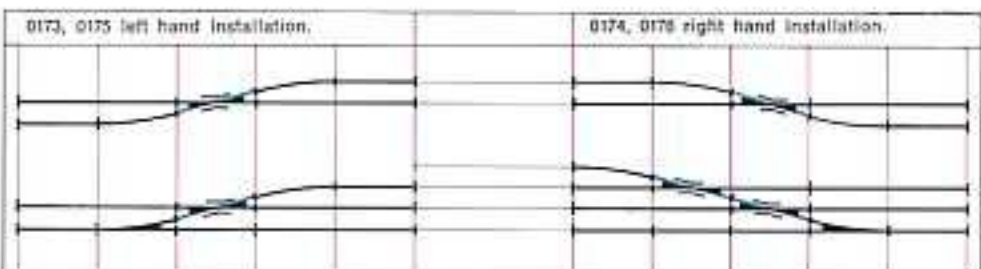
The large radii 3 and 4 are used at the front of the layout to make sweeping gentle curves. In both instances the distance between track centers is 1 1/4".

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








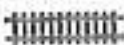










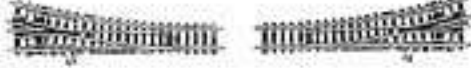
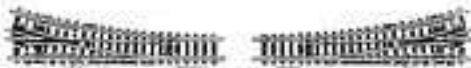








Switch machines can be placed either under or over the board. This improves the appearance of permanent layouts.

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.



The great model Track Assortment

Item	No.	Length	Price	Function	
	Straight Track	0101	9"	.40	
	Straight Track	0102	4 1/2"	.25	
	Straight Track	0103	2 1/4"	.25	
	Telescoping Track Sections	0112	4 1/2"	1.20	for adjustments of + or - 1/2". 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 Section	0121	2 1/4"	.50	
	Gap Track	0122	4 1/2"	.45	
	Gap Track	0123	2 1/4"	.40	
	Electric Uncoupling Track with Uncoupling Signal and Momentary Contact	0125	4 1/2"	3.98	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 50°	0131	12"	.80	Radius 1 = 8", 1/2 Circle.
	Curved Track 45°	0132	6"	.35	Radius 1 = 8", 1/2 Circle.
	Curved Track 15°	0134	2"	.30	Radius 1 = 8", 1/2 Circle.
	Curved Track 45°	0142	7"	.40	Radius 2 = 9", 1/2 Circle.
	Curved Track 15°	0144	2 1/4"	.30	Radius 2 = 9", 1/2 Circle.
	Curved Track 30°	0153	8 1/2"	.48	Radius 3 = 16", 1/2 Circle.
	Curved Track 15°	0154	4 1/2"	.40	Radius 3 = 16", 1/2 Circle.
	Curved Track 30°	0163	9"	.45	Radius 4 = 17", 1/2 Circle.
	Curved Track 15°	0164	4 1/2"	.40	Radius 4 = 17", 1/2 Circle.
	Manual Switches 15°	0170	4 1/2"	6.98	Every manual switch can be electrified by snapping in switch machines 0179. Stop Switch Function.
	Electric Switches 15°	0171	4 1/2"	9.98	16 V AC 12" cables 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"	7.98	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"	7.98	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		3.98	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 1/4"	.75	Bumper with track and deadend signal.

Prices of switches do not include control panels.

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 1.8 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 16 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.

6" x 4"



0704 Power Pack \$ 6.98
With speed control and directional control having a center off switch.
Capacity 0 to 12 Volts D.C. at 1 Amp. 16 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.



0701 Battery Holder \$ 2.98
With built-in switch stop, forward and reverse.
Uses four D cell flash-light batteries, producing 6 volts.
This instrument can easily be replaced by a power pack at a later time.
Size 4 1/2" x 3".



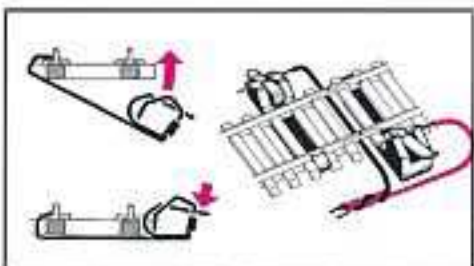
0715 Terminal Strip \$.43
for the distribution, connection, and prolongation of several cables. Six poles with twelve terminals each of which can take many as 15 cables simultaneously. Length 2".

They are UL listed.

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



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.



How to snap on terminal clips.



0712 Two Strand Cable, \$.40
20" long with male plugs.

Elements for controlling switches, accessories and layout segments

Color light signal



0760 Main Light Signal § 2.98
with red and green lamp.
Mast red and white; field for bulbs, grey and black.
Height 1 1/2" - Length of Cables 12".

Signal can be made into an operating signal either by attaching it to switch 0171, to control panel 0725 or to relay 0745.

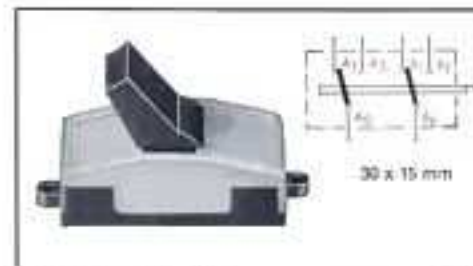
Light signals are found either as block signals to to safe guard switches or crossings.



0720 Momentary Contact 2 for § 1.29
(Single Pole, Single Throw)
Suitable for installation in a control panel.



0722 Control Panel 2 pieces for § 2.50
with Electrically Pointed Buttons.
To be mounted on schematic control panel.
Includes 4 wood screws and 12" of cable. If desired the buttons can be illuminated with two bulbs 0796. The direction in which the switch 0171 is pointed can then be seen merely by looking at the control panel. On automatic layouts where the switches are thrown by automatic track contacts 0744, the lights will still indicate the setting of the switch.



0725 Universal Switch § 1.98
(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.



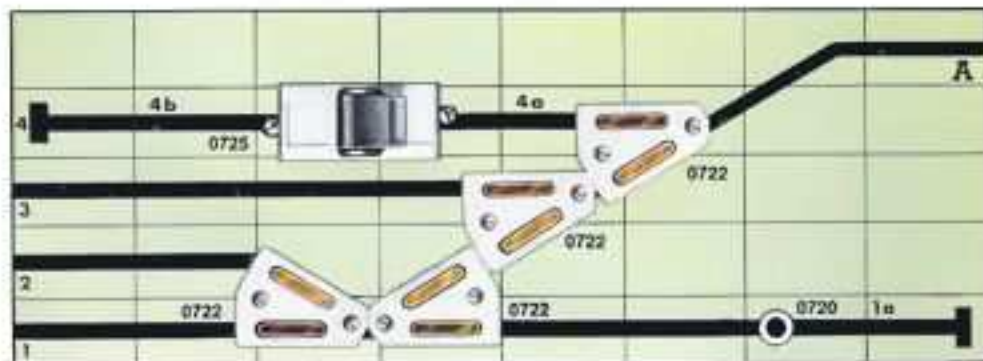
0796 Micro Bulb Bayonet Type § 1.00
Used for illuminating control panel 0722.
Each panel requires 2 bulbs.



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.

On the Arnold rapido system such a schematic control diagram can easily be installed. On the example at the left, the track is clear for a train moving from point A to track 2.



Electronic Train Lighting Elements for automatic layouts

ARNOLD *rapido*

The problem of realistic lighting of model railroad coaches has been solved. The Arnold rapido light generator 0702 supplies a constant light to locomotives and cars regardless of the speed of the train. Slow moving or stopped trains will have cars which are brightly lit.



0702 Light Generator § 45.00

This instrument provides power for the lights of all makes of model railroads. Its high capacity permits it to supply approximately 40 light bulbs of 50 milliamperes each. The generator is protected against short circuits and overloads by a thermostatic circuit breaker. A switch permits all lights of cars to be turned on and off. The generator must be attached to the 14 to 18 Volt AC taps of a power pack. No change is necessary in the lights of locomotives or cars. Size 4" x 4" x 1".

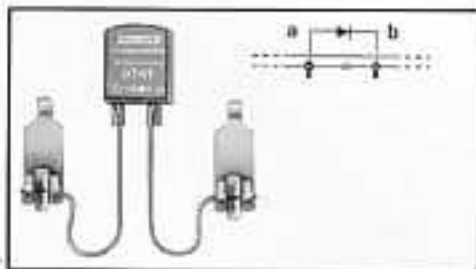
The generator can be used for regulating the lights of several trains. When using several power packs, it is necessary to place condensers across the circuit breaker sections. In addition, a choke must be used on transformers beyond the first one.

0742 Condenser (not illustrated) § 1.50

For bridging the circuit breaker tracks, two condensers are needed for each circuit breaker track.

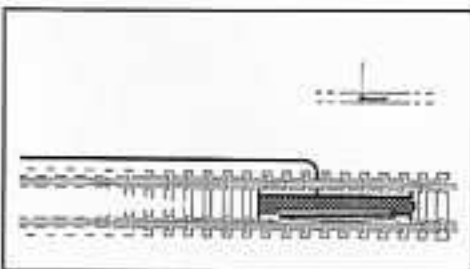
0743 Choke (not illustrated) § 2.50

A choke is needed for each power pack beyond the first one.



0741 Track Rectifier with Terminal Clips § 1.98

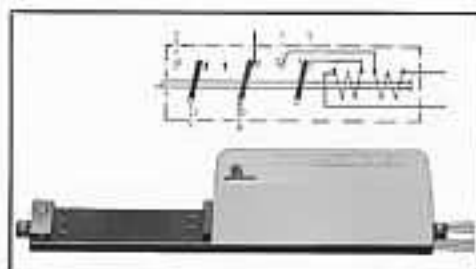
Functions as a one way valve. With a track rectifier in connection with gap sections it becomes possible to set up reverse loops without any additional elements. On dead-end sidings a track rectifier prevents a locomotive from running up against the bumper. It does permit the engine to leave. A very interesting function! 2 1/2" x 0"



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 0701 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 Relays with automatic cut-out. § 3.99

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. 0746. This adds further to the capabilities of the relay. The picture below shows this combination.

The track layout manual 0020 has many addition hints.

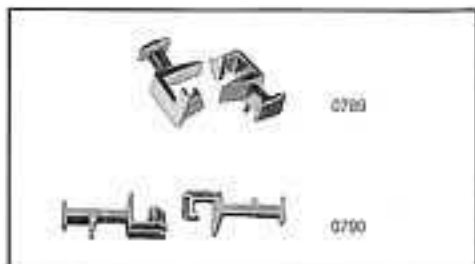
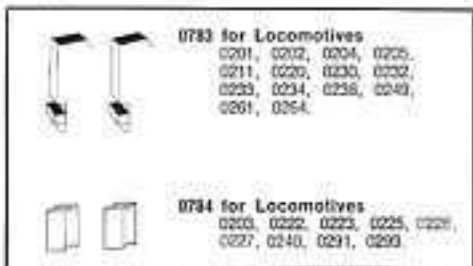
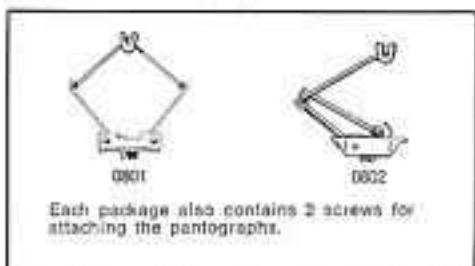
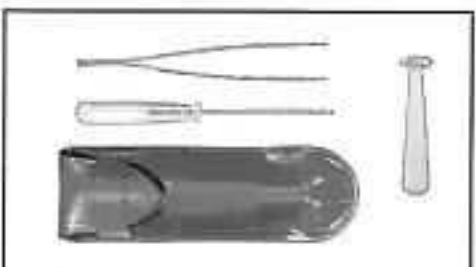
A model railroad layout represents a large investment of time and money of which a long life can be expected. To correct small defects and to replace worn-out parts, the items shown on this page may be purchased. Other spare parts, which may not be listed here, are also available from your dealer.







Motor for Locomotives					
0771	0201	0204	0230	0261	0264
0772	0220				
0773	0232	0233	0234	0249	
0774	0202	0211			
0775	0291	0293			
0776	0226	0227			
0777	0223				
0778	0203	0240			
0779	0222	0225			

Spare Motors for Locomotives



0788 Pair of Wheels on Steel axle with needle point bearings suitable for all cars. \$.15

0190 Re-Railer \$.40
Simplifies the placing of locos and cars on to all straight and curved track sections.0780 Switching Couplers pair \$.38
With this switching coupler locomotives can uncouple automatically anywhere on the layout without an uncoupling track for better description, see page 6.0789 Pair of Couplers \$.25
of nylon suitable for most locomotives and cars.0790 Pair of Couplers, Long Shaft \$.25
For locomotives 0261, 0262, 0254-0267.0191 Spikes \$.50
Used to mount track to board for permanent layouts. About 500 per box.0783 Pair of Brushes \$.30
0784 Pair of Brushes \$.300801 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 0238.0192 Wood Screws \$.85
Used to mount articles 0550, 0552, 0725, or 0745 to board. About 50 per box.0799 Tools \$.79
Pincers, screw driver, wrench. In short, the most important maintenance tools for N gauge trains.

Bulb No.	Color	Volt	mA	Used in	\$ ea.
 0791	red	16	50	Signal 0780	.50
 0792	green	16	50	Signal 0780	.50
 0794	clear	12	70	0232, 0233, 0234, 0249	.60
 0790	clear	12	50	0202, 0220, 0223	.30
 0797	clear	12	50	0236, 0291, 0293, 0302, 0304	.35
 0798	red	12	50	0291, 0293, 0302, 0304	.35



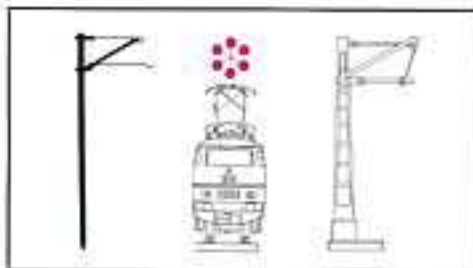
The Arnold rapido Catenary System

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 is also possible to erect catenary.



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



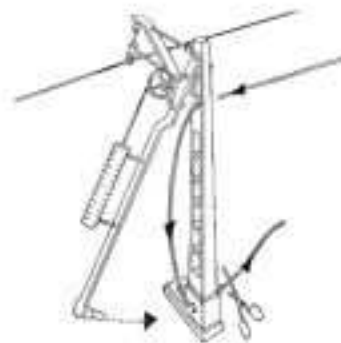
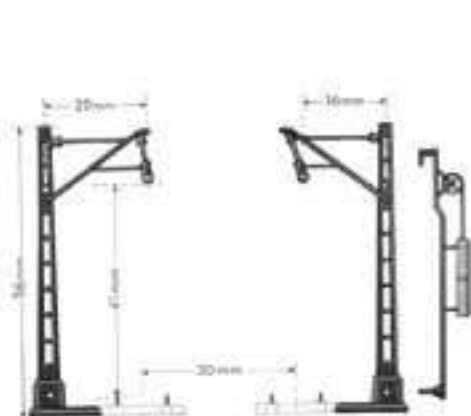
5554 Rubber Thread \$.98
This thread makes an imitation catenary wire. It gives way, when it is desired to place locomotives or cars on the track. A spool has about 80 feet of thread.



5551 Catenary base for bridges 10 for \$.70
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.



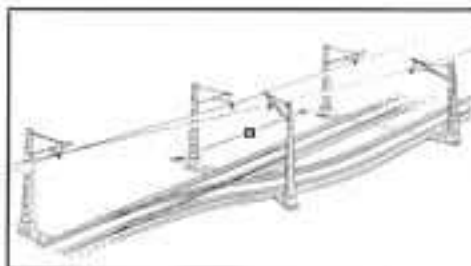
These "N" scale signals in the original colors are in a cut-out sheet which is included in our package No. 0553. Their purpose is described in the instruction sheet.



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.

0552 Package of Tower Masts and Accessories. § 2.90
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“.

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.



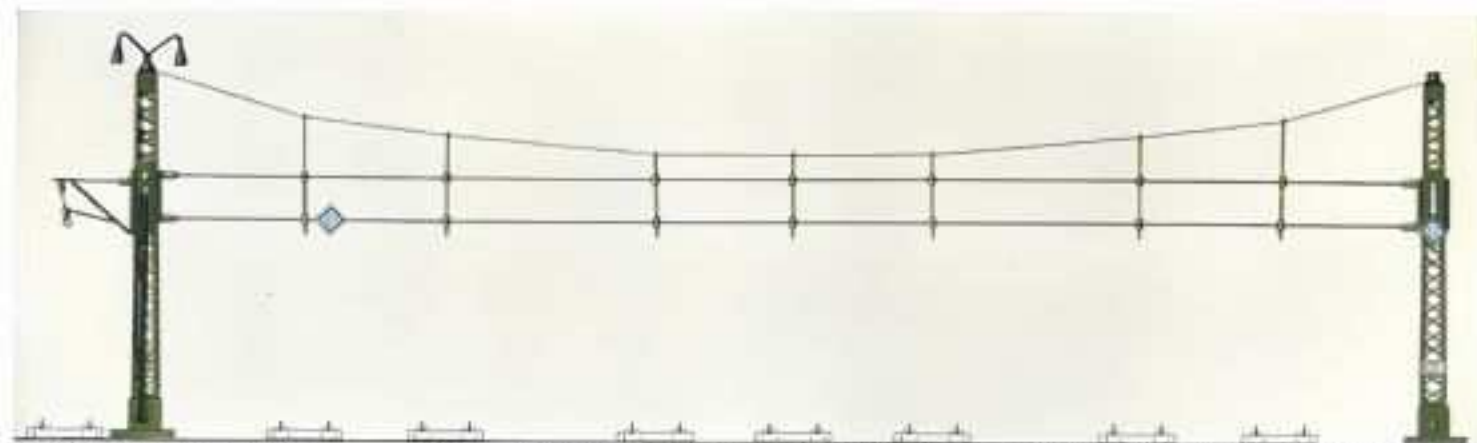
The distance between masts on a straight section should be 6" to 8". On the curved section there should be three masts for every one quarter circle. On the straight track the masts should be erected alternately with a long and a short arm. On a curved section the short arms should be on the outer rail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

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.

VOLLMER OPERATING CATENARY is available as follows:

8000 Mast with short arm	§ 1.40
8001 Mast with long arm	§ 1.40
8003 Terminal Mast	§ 1.79
8010 Curved Catenary, 8" radius	§ 1.25
8011 Curved Catenary, 9" radius	§ 1.25
8012 Straight Catenary, 8" long	§ 1.35
8014 Straight Catenary, 9" open end	§ 1.35
8017 Circuit Breaker Catenary	§ 1.50
8029 Catenary Crossing	§ 1.60



0553 Assortment of Tower Masts and Cross Suspensions. § 3.90
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.



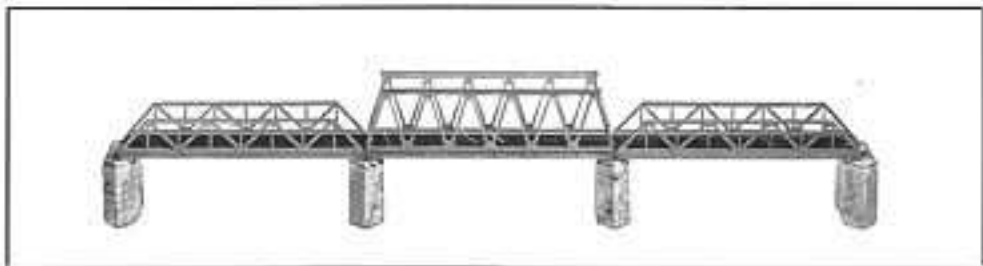
Wherever there are railroads, one can find bridges, viaducts, and other structures to cross gullies, valleys, streams, water obstacles, roads, etc.

A large collection of bridges is offered by Arnold rapido, 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 rapido track sections. The curved bridges, for example, will fit tracks 0131, 0132, or 0134.

Single and double track viaducts on an Arnold rapido layout.

The catenary masts are attached with bases No. 0661.



0617 Bridge Assortment with Piers
Length 16".

\$ 2.50



0616 Small Piers, 3/4" high
Can be snapped together; package of 20.

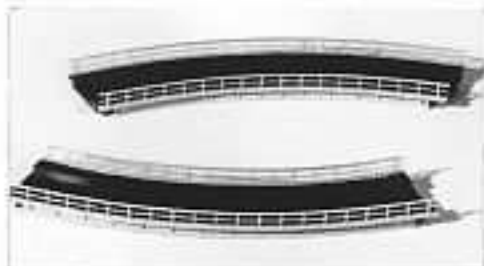
\$ 1.99



0610 Straight Bridge Kit

\$ 1.49

This kit contains bridges for two 9" 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 1/4" high
Can be snapped together; package of 4.

\$ 3.99



0621 Piers for Incline KIT

\$ 1.99

The contents of this kit will make either two high piers (5 1/2") or two ramps with a 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



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



Similar bridge set up on a double track line.

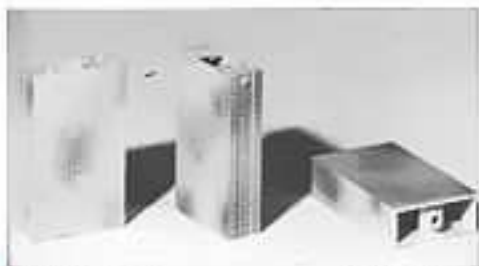
Wherever one may look along the highway or railroad, one will see various combinations of wood, steel, masonry, and concrete bridges. Arnold rapido provides kits for models of many of these, so that every layout can get that individual touch.



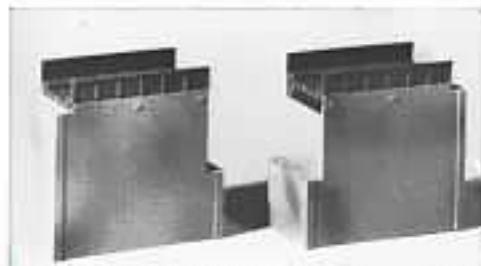
Long bridge combination using all parts of kits 0622 through 0628.



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.



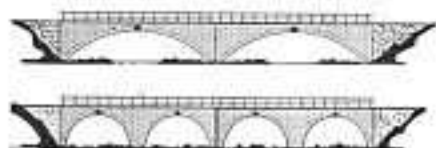
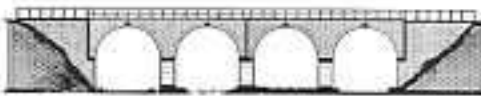
0626 Masonry Viaduct \$ 1.98
Total length 8 1/2". Can be parted in the middle.



0627 Masonry Flat Bridge \$ 1.98
Total length 8 1/2". Can be parted in the middle.



0628 Concrete Arch Bridge \$ 1.98
Total length 8 1/2". Can be split in middle for half arches.



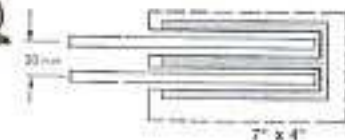


0630 Diesel and Electric Train Shed Kit \$ 3.98
1 1/4" between track centers.
In this two stall shed locomotives up to a length
5" can be accommodated.

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.



0633 Steam Locomotive Shed Kit \$ 4.98
In this two stall shed locomotives up to a length
of 5 1/2" can be accommodated.
The four moving doors are hung on hinges. This
model is built in 19th century style and consists
of 34 parts. It is a beautifully detailed structure.



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.



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.



6" 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 photo-
graph show the actual size of the article. Every
kit contains fully detailed instructions.

Universal building kit for city and industrial buildings

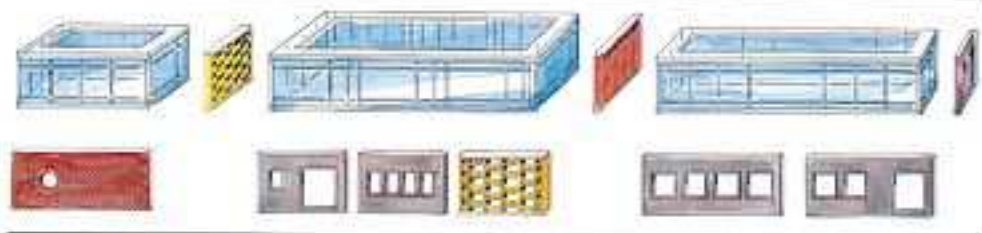


This town has been built up from the contents of 9 packages of Number 0679. It shows many variations which can be achieved with the contents of this kit. All individual buildings made from the kit can be attached to one another to form city blocks.

Partial view of an Arnold rapido model railroad layout.

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.

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.



0679 Universal Building Kit § 4.99

This kit has been designed to create an entire complex of buildings 0672-0678, or to free lance. 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.

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





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

Kit \$ 3.95



5 1/2" x 3"



0672 Cafe with Terrace

\$ 3.98

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.



6" x 3"



0673 Office Building

Offices upstairs, stores downstairs.

Kit \$ 2.98



6" x 3"



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.



8 1/2" x 3 1/2"



0675 Suburban Station

Kit \$ 2.98

The lobby and restaurant of this building present a very harmonious combination. The building can also be combined with kit 0670.



6" x 3"

The flower boxes which are molded into the various base plates can be filled with the scatter material which is included with the kits.



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



3 1/2" x 2 1/2"



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 0676 may also be used as a platform.



5 1/2" x 2 1/2"



0670 Bungalow and Retail Stores Kit \$ 2.50
Because of the small individual sizes, the three buildings can be installed in a variety of ways. They can stand alone or in combination.

4" x 2"



2" x 1 1/2"



0677 Switch Tower with Shed Kit \$ 1.98
This kit is mounted on a high brick base which is reached through an outdoor stairway and has a wrap-around glass window which is protected against the sun by an over hanging roof. This building can also be used as a watchman's or gate house.



3" x 4 1/2"



0632 Shed Assortment Kit \$ 1.49
Consists of four sheds, four crates, four benches, moss, 2 base plates. The natural reproduction of these sheds make them suitable for many uses, such as tool sheds, supply sheds, hay sheds, as well as forest huts, ea. 3" x 3"

To further improve the appearance of our building kits we recommend painting them with a dull plastic paint. These can be obtained at any hobby shop.

Model Automobiles
N gauge, Scale 1:160

Accessories, Scale 1:160

ARNOLD rapido

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 into the auto transporter No. 0498. 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.



0551 Assorted Passenger Cars \$.98
2 Ford M 17, 2 Opel Rekord.



0552 Passenger Car Assortment \$.98
Two VW's and two Mercedes 200.



0553 Bus \$.98
Model of Mercedes Bus 0322 with interior detail. Finished in multiple colors with imitation glass windows. Length 2 1/4".



0554 Assorted Trucks \$.98
Two VW open trucks and two VW Combis.



0555 Two Dump Trucks \$.98
Movable body, twin tires in rear, transparent windshields. Length of each truck is 1 1/4".



0556 Tank Truck with Trailer \$.98
Tractor has long wheel base and twin tires at the rear and transparent windows. Length is 3 1/4".



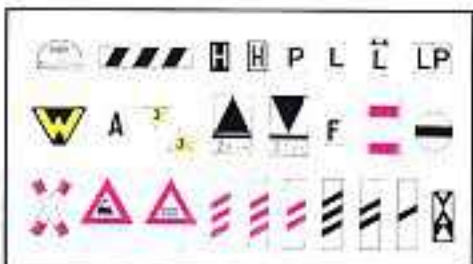
0557 Tractor and Trailer \$.98
Trailer has 4 wheels each with two tires. Tractor has long wheel base with twin rear tires, and transparent windows in the cabin.



0641 Old Wooden Bumper without Track Kit. 2 for \$.98
This bumper can be snapped into any straight or curved track section.



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.



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 \$ 1.43
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.



0603 Crossing Keepers and Equipment Hut. 2 for \$.98
These small structures find many uses along the model railroad line.

Complete Sets American Type

TWO NEW SETS WITH POWER PACK



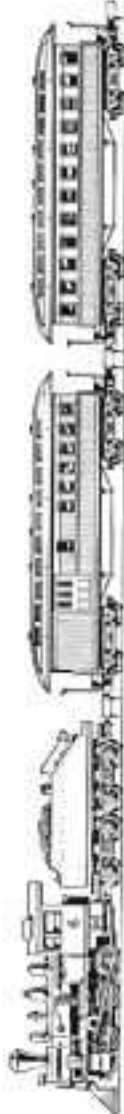
The layout shown above can be assembled from the track which comes with all Arnoid rapido train sets. The layout can be extended with package 014 shown on page 5.



062 The High Ball
0-6-0 Switcher, Tender, Box Car, Hopper, Gondola, Caboose, Station and Power Pack. \$ 34.98



071 Beaver
0-4-0 Industrial Switcher, Box Car, Gondola, Caboose. \$ 13.00



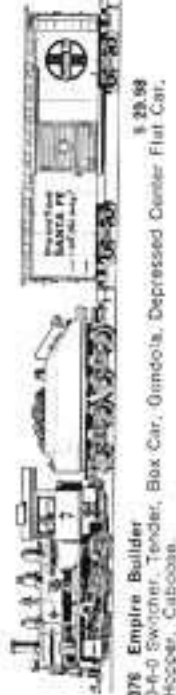
075 Old Timer
0-6-0 Old Timer Engine and Tender, Combine, Open Platform Coach, Caboose. \$ 29.98



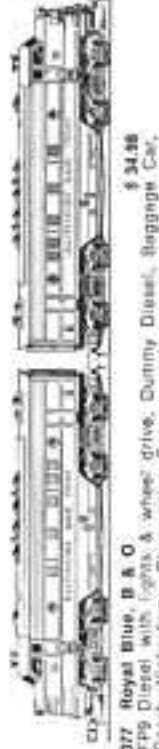
070 Yard Bird, New Haven
Baldwin Diesel, Box Car, Gondola, Depressed Center Flat Car, Caboose. \$ 22.98



073 Transcontinental, B & O
F19 Diesel with lights & 5 wheel drive, Box Car, Hopper, Gondola, Caboose. \$ 24.98



078 Empire Builder
0-6-0 Switcher, Tender, Box Car, Gondola, Depressed Center Flat Car, Hopper, Caboose. \$ 29.98



077 Royal Blue, B & O
F19 Diesel with lights & wheel drive, Dummy Diesel, Baggage Car, Coach, Vista-dome, Observation Car. \$ 34.98



079 Super Chief, Santa Fe
F19 Diesel with lights & wheel drive, Dummy Diesel, Baggage Car, Coach, Vista-dome, Observation Car. \$ 34.98

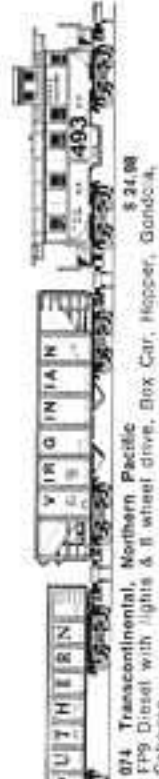


076 North Coast Limited, N. P.
F19 Diesel with lights & wheel drive, Dummy Diesel, Baggage Car, Coach, Vista-dome, Observation Car. \$ 31.98

SETS WITHOUT POWER PACK



072 Yard Bird, Union Pacific
Baldwin Diesel, Box Car, Gondola, Depressed Center Flat Car, Caboose. \$ 22.98



074 Transcontinental, Northern Pacific
F19 Diesel with lights & 8 wheel drive, Box Car, Hopper, Gondola, Caboose. \$ 24.98



078 Empire Builder
0-6-0 Switcher, Tender, Box Car, Gondola, Depressed Center Flat Car, Hopper, Caboose. \$ 29.98



077 Royal Blue, B & O
F19 Diesel with lights & wheel drive, Dummy Diesel, Baggage Car, Coach, Vista-dome, Observation Car. \$ 34.98



081 Shuttle Bug
0-0-0 Tank Switcher, Gondola, Hopper, Caboose and Power Pack. \$ 25.98

080 This set has power pack. \$ 19.98

Every light set is attractively packaged and contains the locos and cars shown plus the following: 2 1/2' straight tracks, 4 curved tracks, a re-railer, and two terminal clips as well as a connecting cable. A train set forms the inner stone of an Arnoid rapido layout. It contains everything necessary to begin operations. Only the power pack of your choice must be added.

The sets 071 and 080 are already with a AC/DC power pack. U.S. approved.

ARNOLD *rapido*



Fascinating indeed is a railroad.
Either a large one or a small one.

ARNOLD *rapido*

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