



# SPEED CONTROLLING TRANSFORMERS



## ADVANCE DESIGN

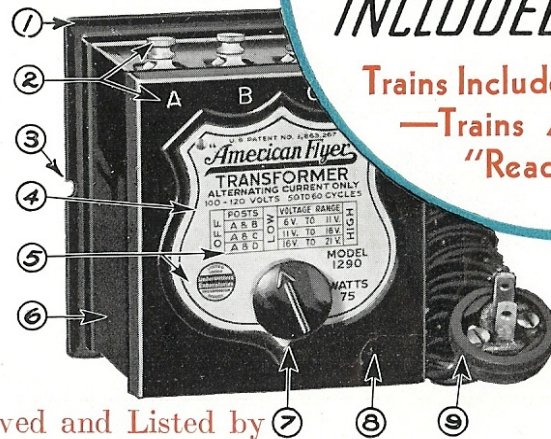
- 1. Separable Base** All DYALTYPE transformers are equipped with this type base permitting large air space between the transformer itself and the base.
- 2. Terminal Post** The stamping A, B, C, etc., on the transformer cover indicates the terminal screw post with brass nuts to which you attach one of the wires in accordance with the chart, item 5.
- 3. Fastening Notch** This is for the convenience of securing the transformer to a table or other place.
- Lighting Current** The house voltage or current which is supplied you in your convenience outlet by your lighting company must correspond to the voltage or current that is clearly shown on the nameplate of the transformer. *Do not connect to any other voltage.*
- Nameplate** A typical American Flyer shield identifies this high grade transformer. It also indicates the model number of the transformer—its capacity in Watts and the number of volts obtainable from each post or terminal.
- 6. Finish** The entire transformer excepting the nameplate and posts is finished in so-called "rubber japan" assuring a very durable covering.
- 7. Switch Dial** This is the most advanced type of construction consisting of a bakelite knob surrounding a brass nut, the knob having a "snap on" contact with the terminals at all times is, of course, easy to operate.
- 8. Electrical Steel** The coils in the transformer are made from the finest grade electrical steel obtainable.
- 9. Flexible Cord** Attached to the transformer is 7 feet of substantial cord protected by a porcelain bushing.

## EXCLUSIVE FEATURES

American Flyer DYALTYPE Transformers with their exclusive features, including dial operation, and concealed safety contacts, are covered by Patent No. 1,863,267. These features are found in no other Transformer.

At no Extra Cost  
TRANSFORMERS

INCLUDED The Prices Shown for Trains Includes A Transformer —Trains Are Complete "Ready to Run"



Approved and Listed by Board of Underwriters

If you add much equipment to the train you select, especially if the transformer which is included is either the 25, 35, 40 or 50 Watt size, it is recommended that you get a larger capacity transformer. If you have two transformers, you can use the smaller one on a separate circuit for the lights—the larger one for operating the train.

## For 110 Volt-60 Cycle Alternating Circuit (A.C.) Only

MODEL No.	TYPE	WATTS (Capacity)	VOLTAGE RANGE	RECOMMENDED TO OPERATE	PRICE EACH
1048L	BUTTON	25	6.1 to 9.3	Trains 960 and 961.	\$1.75
1270H	BUTTON	35	7.6 to 11.2	Trains 1321, 973 and 964.	2.00
1051L	BUTTON	40	8 to 11.4	Trains 1348 and 1349.	2.75
1249	DYALTYPE	50	8 to 14	Trains 1322, also 1348 and 1349.	3.25
1250	LEVER	75	6.5 to 21.5	Any narrow gauge train set of any manufacturer.	4.25
1290	DYALTYPE	75	6 to 19.5	Any narrow gauge train set of any manufacturer.	4.75
1295	DYALTYPE	100	6 to 24	Any narrow or wide gauge train plus additional equipment.	7.00
1296	SPECIAL	150	1 to 30	Any train with elaborately lighted equipment.	9.50

For information on 220 Volts or 25 Cycle Transformers write direct to the factory.

Western Prices Approximately 10% Higher



## SUPERIOR CONSTRUCTION

**Concealed Switch** The taps, or contacts (not shown on illustration) which on other types of transformers have always been exposed making them subject to a short circuit, are completely concealed under the cover of these new DYALTYPE transformers. This eliminates the possibility of a faulty electrical contact.

**Speed Control** Incorporated in the design is the feature of "fractional volt steps" by which it is possible to govern the speed of a train without the necessity of a rheostat. American Flyer originated this development. A feature essential in any train transformer.

**Train Speed** American Flyer transformers are designed to increase or decrease the speed of your train gradually so that it is not necessary to use a rheostat or other expensive equipment to control your train—an American Flyer innovation.

**Capacity** American Flyer transformers are guaranteed to deliver full rated capacity, and will easily stand 25% overload. While especially made to operate American Flyer trains, they are equally as good in the operation of other toys.

**Beauty** By concealing all operating parts, and with an attractive shield nameplate, we have made American Flyer DYALTYPE transformers a beautiful piece of railway equipment; one that is in harmony with the attractively finished trains.

## GUARANTEE

American Flyer Transformers are unreservedly guaranteed to be mechanically and electrically perfect when leaving our factory. They are safeguarded in every manner and positively safe. There is nothing to wear out or burn out in ordinary use. When used in accordance with the instructions, we guarantee our transformers to give absolute satisfaction.



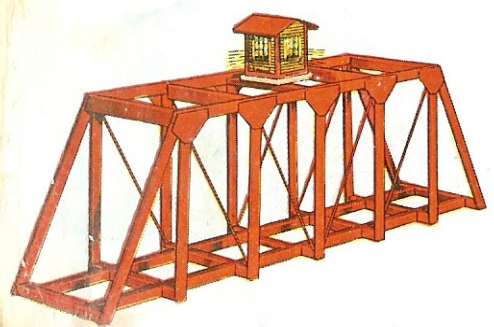


# AUTOMATIC RAILROAD SIGNAL EQUIPMENT



## Deluxe Automatic Equipment — the Finest Made

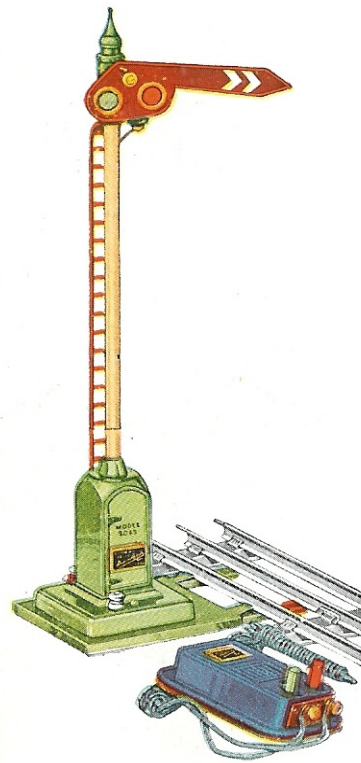
### A BRIDGE Is Necessary To Complete Your R. R. System



Watching a train pass over a bridge is indeed a fascinating sight and, why shouldn't it be? Bridges are a part of every railroad and in order to make your miniature railroad a realistic layout, it should contain a bridge. Throughout various sections of the country, lengthy trestle bridges over marshes or other low lands are constructed for many miles at a stretch. It is possible to reproduce these bridges by adding one bridge to another thus giving the appearance of one individual bridge.

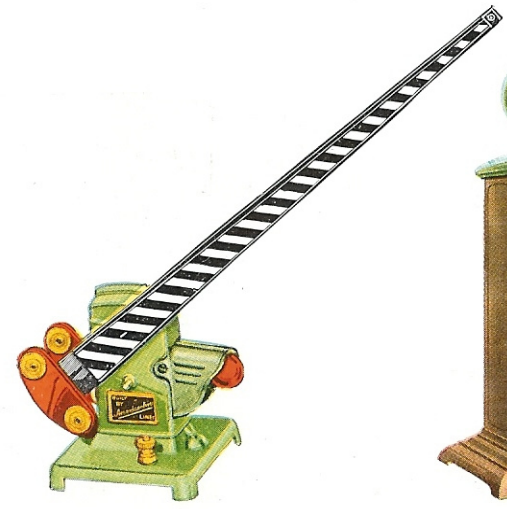
### LIGHTED UNIVERSAL BRIDGE

for Narrow or Wide Gauge Track  
One or more of this bridge is all that you need to have. Has lighted watchman's tower. Strongly constructed of wood with steel bracings. 27 1/2" long.  
Model 213 Each.....\$3.50



### Electrically Operated Train Control Semaphore

This realistic semaphore of two units, the semaphore itself and the control switch illustrated below, permits the operator to start or stop the train from any remote or distant position without touching the train or the semaphore. Notice that the universal base under the semaphore is suitable for either Narrow or Wide Gauge Track. Has durable die cast housing for the lamp and controlling mechanism. This realistic unit will afford you unlimited enjoyment. (Track section is not supplied.) Height 15".  
No. 2043. For Narrow or Wide Gauge. Each.....\$5.50  
Patent No. 405,754



### Automatic Crossing Gate

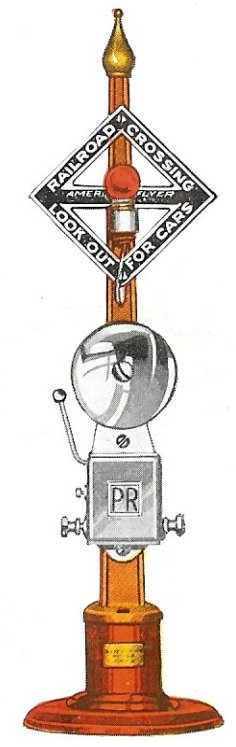
Very positive in action, arm lowers at approach of train and raises after it has passed. When the arm is in its lower position, the red train lamp automatically illuminates. A special die cast housing protects the lamp against breakage. Every railroad needs one or more of these automatic crossing gates. Rigidly constructed of heavy die casting and pressed steel. Height 10 1/2".  
No. 2042. Narrow Gauge. With 10" Track Section. Each.....\$3.75  
No. 4042. Wide Gauge. With 14" Track Section. Each \$3.75

These Automatic units that electrify the signal system are the ones that give you the most fun. A patented track section is included, so we suggest you purchase one additional straight track in order to balance up the number of tracks you have. Complete instruction sheets are included.



### Automatic Roadside Flashing Signal

This is a true-to-life miniature of the signals you often see on unguarded crossings. The red light flashes continually when the train approaches warning travelers and automobile drivers on the highway that a train is approaching. It is made of durable die casting and is finished in bright enamel. A unit you will be proud of. Height 8 3/4".  
No. 2230. Narrow Gauge. With 10" Track Section. Each.....\$3.00  
No. 4230. Wide Gauge. With 14" Track Section. Each \$3.00



### Automatic Danger Signal

The bell rings and the red light flashes at the approach of the train, and continues until the train passes the signal. This action automatic signal has proved to be one of the most popular made for railroaders. Get one for your system. The warning sign is etched in solid zinc. The bell unit is nickled. Height 9 3/4".  
No. 2116. Narrow Gauge. With 10" Track Section. Each.....\$3.00  
No. 4116. Wide Gauge. With 14" Track Section. Price \$3.00  
Des. Pat. 75,957



Western Prices Approximately 10% Higher



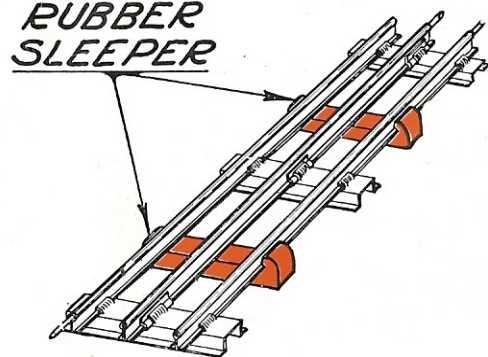


# FOR YOUR ELECTRIC TRAIN



## Add Extra Equipment Items—Doubles the Fun of Miniature Railroading

RUBBER SLEEPER



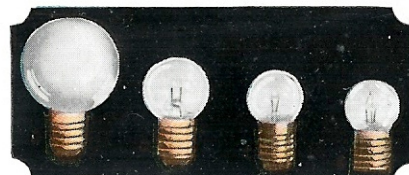
### NEW Silent Track Bed

For your boys who already have narrow gauge trains you will want to add these new rubber sleepers which form a *silent track bed* for quiet operation. These rubber sleepers also prevent the track from shifting around on the floor.

These are the same sleepers which are included in all narrow gauge trains illustrated and described on pages 5 to 11.

Heretofore, the cost of *silent track bed* has been practically prohibitive. Now you can silence the operation of your train for very little cost. Illustration above shows how easily the sleepers are fastened to the regular track section. It is recommended that two sleepers be used for each piece of track. They come packed in packages of sixteen.

No. 424 (Set of 16 Rubber Sleepers).....\$0.30



### Buy a Quantity of Train Lamps—Have Extras on Hand

Miniature Trains are subject to high voltage fluctuations, plus very heavy hard thumping and jarring. To reduce breakage and burnouts to a minimum, specially constructed miniature train lamps are absolutely essential. All lamps used by American Flyer are given severe tests in our engineering laboratory to make certain that they are the most satisfactory lamps that can be secured.

We recommend lamp 439 for all purposes when train is using 18 or more volts.

You can determine the voltage required when the train is running from the transformer plate.

The Voltage of the lamps is stamped on the base.

An excess of voltage develops a very bright light and materially reduces the life of the lamp.

Model	Price Each	Bulb			Recommended for Use on
		Volts	Glass	Size	
437	\$0.15	8	Clear	11/16"	Narrow Gauge Locomotives
442	.15	8	Red	9/16"	Flashing Equipment
438	.15	14	Clear	9/16"	Wide Gauge Locomotives
434	.15	14	Red	9/16"	Narrow Gauge Equipment
435	.15	14	Green	9/16"	Narrow Gauge Equipment
430	.25	14	Frosted	11/16"	All Stations
433	.25	14	Frosted	1"	All Arc Lights
439	.15	18	Clear	1"	19" Cars
441	.15	18	Red	9/16"	Wide Gauge Track Switches
443	.15	18	Green	9/16"	Wide Gauge Track Switches

### Miscellaneous Electrical Operating Units for Trains



FUSE SET

This fuse set protects your train set and transformer against short circuits. When connected between the transformer and the track terminal the fuse wire will melt if short circuits occur. Model 460. Each.....\$ .25



UNIVERSAL TRACK TERMINAL

Especially designed to fit either narrow or wide gauge track. An exclusive American Flyer feature. Patent No. 1,610,033. (Instructions included). Model No. 4455. Each...\$ .30



TRACK TERMINAL

Can be snapped "on" or "off" anywhere along the track. Model No. 450 narrow gauge Track Terminal with all wires and instructions and Model No. 4450 same as 450 but for wide gauge track. Either Model. Each...\$ .20

### NEW Transformer Cut-Out (A Circuit Breaker)



This new unit is absolutely fool-proof. Operates on the amperage principle the same as commercial circuit breakers. Gives unfailing protection to your transformer by automatically cutting off the current supply if the train derails or if any short circuit occurs. The flow of current to the train is resumed by pushing the button. The lever button also permits the operator to stop or start his train. Only American Flyer offers this advanced and exclusive design and at a price that is approximately one-third lower than other makes. Size 3 1/4" x 4" x 1 1/2". (Can be used to advantage with counter or window displays.) Complete instructions packed with unit. Model 1276 Each.....\$1

Western Prices Approximately 10% Higher

