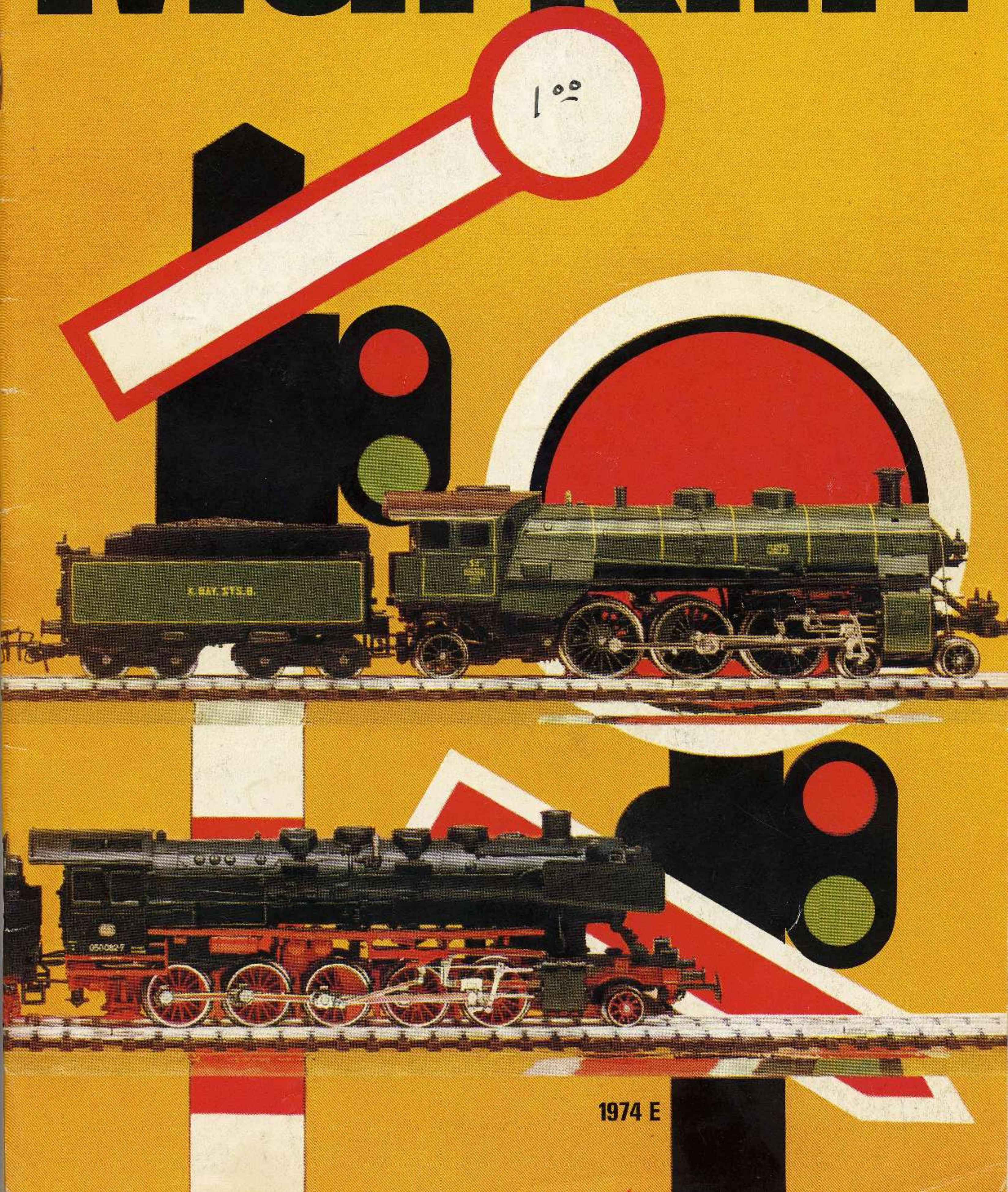


Märklin



1974 E

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True to the original, down to the details

Märklin
mini-club

The smallest series-produced electrical railroad in the world

Scale 1:220

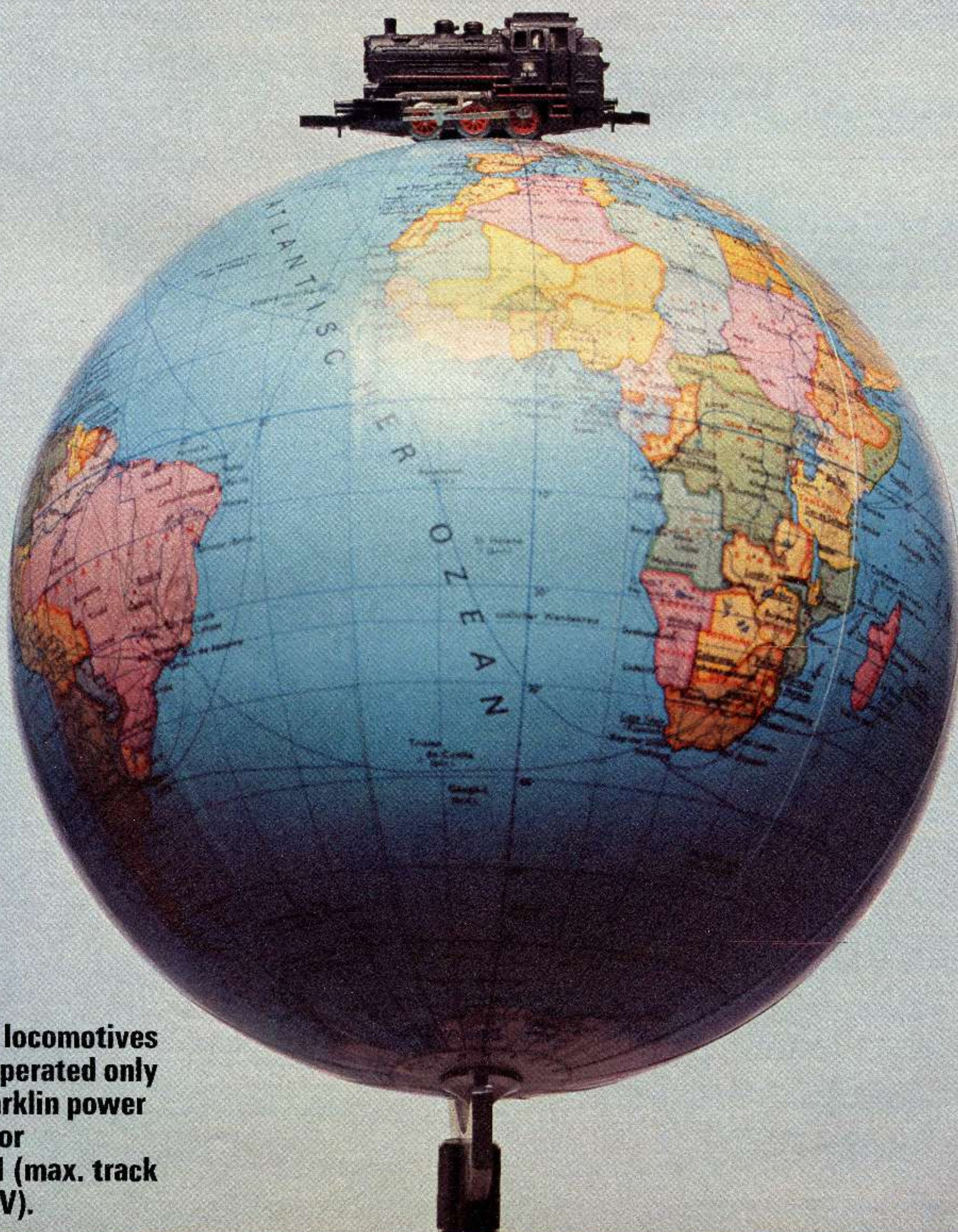
The maximum of pleasure in the minimum of space

This shows the actual size of mini-club.

Nothing like it has ever existed before! Never before has reality been presented in such fascinatingly small size and exciting detail. The track width of the smallest model railroad in the world is all of 6.5 mm (17/64"), its tank locomotive is hardly longer than a match. Mini-club will conjure up a wonder world on your table, all in full view, which you can reach from your armchair. No basement is required, no suite of rooms and you do not have to be a do-it-yourself fan either. The mini-

club is a true leisure time hit and makes an exciting hobby into a portable leisure time game. Märklin mini-club, the smallest in the world, sets new, amazing standards. A model railroad "in your hand luggage" is no longer a dream. Even a tea tray will do to serve up the magic of its remote-controlled models. Your hobby kit can now quickly be put away under the table, or brought out from the cupboard, or hung on the wall like a picture. You can have ten minutes relaxation at

any time just as easily as hours of pleasure in the evening, indoors or on the porch or terrace, or in the home of friends. The handy portable model railroad has become a fact. This is the most charming aspect of the smallest railroad in the world! All the fuss and bother is reduced to a minimum. Mini-club is a game for lasting use, an absolute delight. Simply bring it out, connect it to the power supply and make complete escape the mini-club order of the day.



Mini-club locomotives must be operated only with a Märklin power pack 6711 or 6720-6731 (max. track voltage 8 V).

Train sets

All you want to know at a glance

The illustrations of the various individual locomotives and cars are the same size as the models themselves.

Märklin mini-club bears the gauge designation Z (6.5 mm = 17/64"). Märklin mini-club is DC operated. Everything carrying the name mini-club is of the renowned Märklin quality and is as hard-wearing, reliable and efficient as any other model railroad made by Märklin.

The locomotives are fitted with suppressors, which together with the anti-interference elements incorporated in the Märklin power packs 6711 and 6720-6731 and the feeder track section 8590, ensure that the Regulations are complied with.

Mini-club locomotives must be operated only with a Märklin power pack 6711 or 6720-6731 (max. track voltage 8 V).

8900

Freight train (without power pack) ·
Comprising tank locomotive 8800,
beer car 8601, boxcar 8606, low-side
gondola 8610, tank car 8612,
5 straight track sections 8500,
8 curved track sections 8510, feeder



track section 8590 and ramp 8974 ·
Train 10" long



8901

Express train (without power pack) ·
Comprising diesel locomotive 8875,

express car 8720, express car 8721,
express diner car 8723, 5 straight
track sections 8500, 8 curved track
sections 8520, feeder track section

8590 and ramp 8974 · Train 17½"
long

8909

**Freight train with 220 volt power
pack ·** Comprising tank locomotive
8800, banana car 8606, low sided
gondola 8610, 1 straight track sec-
tion 8500, 4 curved track sections
8520, 6 curved track sections 8521,
1 feeder track section 8590 and



power pack for 220 volts · Train
6¼" long

NEW



Märklin mini-club freight train
in the club package with
characteristic wood grain
pattern.



Märklin mini-club express train
in the club package with
characteristic wood grain
pattern.



...makes every model railroader enthusiastic

Märklin
mini-club

Locomotives

8800

Tank locomotive · A model of the 0-6-0 Class 89 locomotive · 3 driven axles · Reversing by remote control · Mat black metal body · Die cast zinc frame · Automatic coupling at each end · 1 1/4" long over buffers



8864

Diesel locomotive · A model of the German Federal Railways' Class 260 0-6-0 locomotive · 3 driven axles · Reversing by remote control · Red metal body · Silver-colored roof · Die cast zinc frame · Automatic coupling

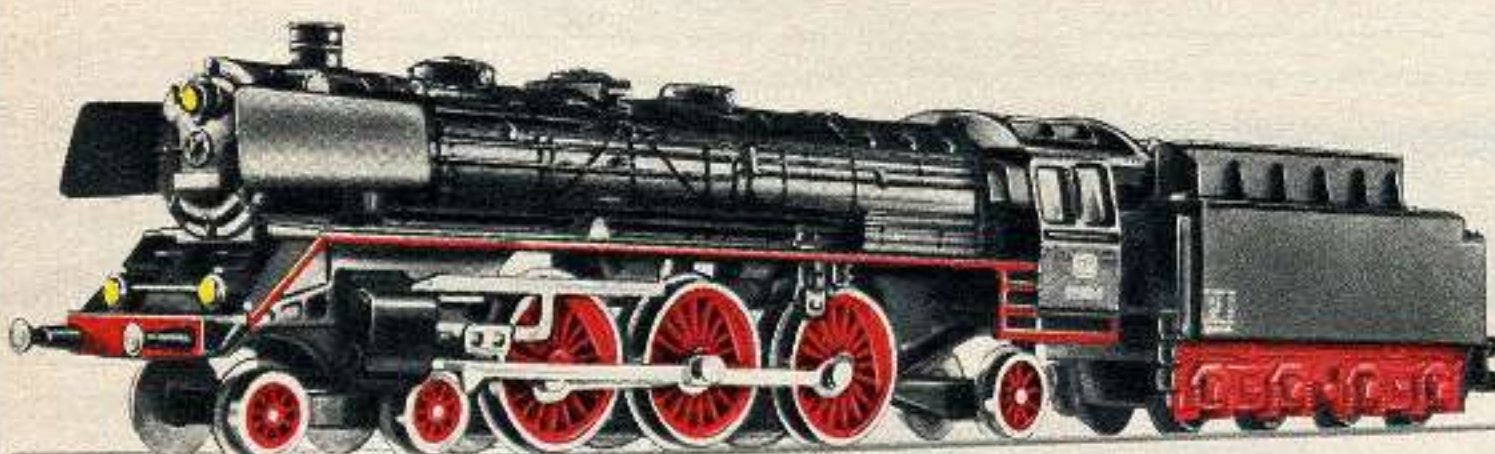
at each end · 2" long over buffers



8803

Passenger train locomotive with tender · A model of the German Federal Railways' Class 24 2-6-0 locomotive · 3 driven axles · Reversing by remote control ·

Arranged for lighting insert 8953 for three headlights · Mat black metal body · Die cast zinc frame · Automatic coupling on tender · 3 1/4" long over buffers



8885

Express locomotive with tender · A model of the German Federal Railways' Class 003 4-6-2 locomotive · 3 driven axles · Reversing by remote control · Three working headlights · Mat black metal body · Die cast zinc frame · Automatic

coupling on tender · 4 1/4" long over buffers

⚡ = 8953

8854

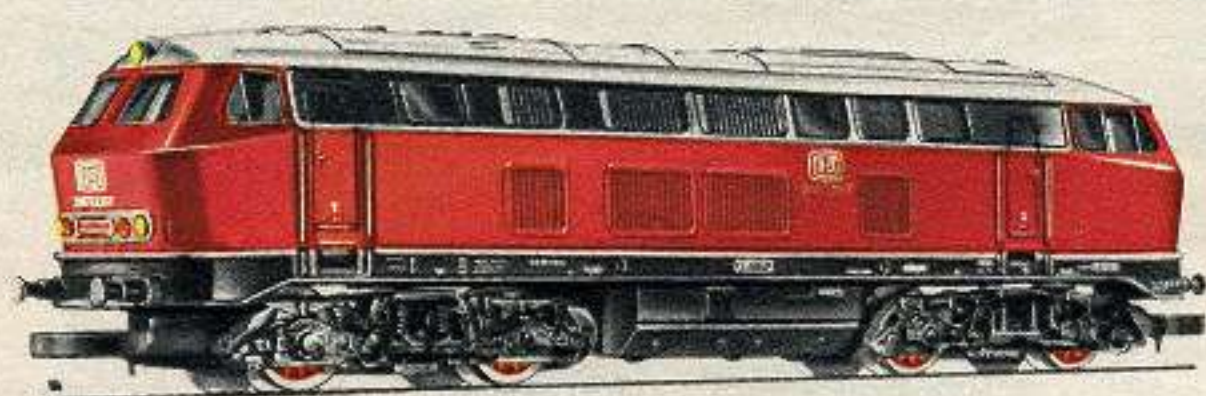
Electric express locomotive · A model of the German Federal Railways' Class 103 0-6-6-0 locomotive · Both bogies driven · Reversing by remote control · 3 working headlights at each end with automatic changeover on change of direction · Plastic body in the TEE colors beige and red ·

Aluminium colored roof superstructure · Die cast zinc frame · End windows inserted in plastic frames · 2 spring-loaded pantographs on roof · Switch for selecting operation from the overhead line or the track contacts · Automatic coupling at each end · 3 1/2" long over buffers

⚡ = 8953

NEW

8854 will be available from the beginning of 1975.



8875

Diesel locomotive · A model of the German Federal Railways' Class 216 4-4 locomotive · All axles driven · Reversing by remote control · Three working headlights at each end with automatic changeover on change of

direction · Red and grey plastic body · Die cast zinc frame · Automatic coupling at each end · 3" long over buffers

⚡ = 8953

8816

Railbus · A model of the German Federal Railways' type 798 · Both axles driven · Reversing by remote control ·

Three working headlights at each end · Red plastic body · Die cast zinc frame · 2 1/2" long over buffers

⚡ = 8953



8817

Railbus trailer · A model of the German Federal Railways' type 998 · Three working headlights at each end · Red plastic body · Die cast zinc frame · 2 1/2" long over buffers

⚡ = 8953

Märklin mini-club locomotives are sold boxed. The Märklin mini-club can be recognised by the club package with the characteristic wood grain pattern.



Express cars
Passenger cars
8710

Express car · 1st class · A model of the German Federal Railways' car (A üm) · Windows inset in plastic frames · 4 7/8" long


8711

Express car · 2nd class · A model of the German Federal Railways' car (B üm) · Windows inset in plastic frames · 4 7/8" long


8712

Express baggage car · A model of the German Federal Railways' car (D üm) · Windows inset in plastic frames · 4 7/8" long


8713

Express diner car · A model of the German Federal Railways' car (WR üm) · Windows inset in plastic frames · 4 7/8" long


8720

Express car · 1st class · A model of the German Federal Railways' car (A üm) · Windows inset in plastic frames · 4 7/8" long


8721

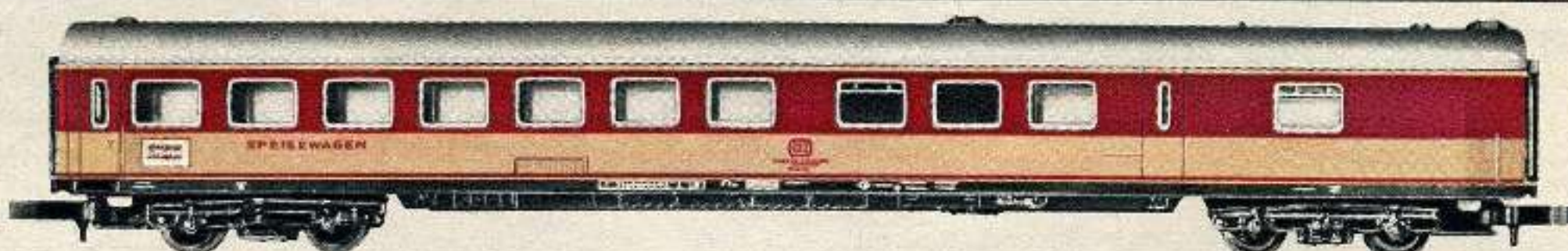
Express car · 2nd class · A model of the German Federal Railways' car (B üm) · Windows inset in plastic frames · 4 7/8" long


8722

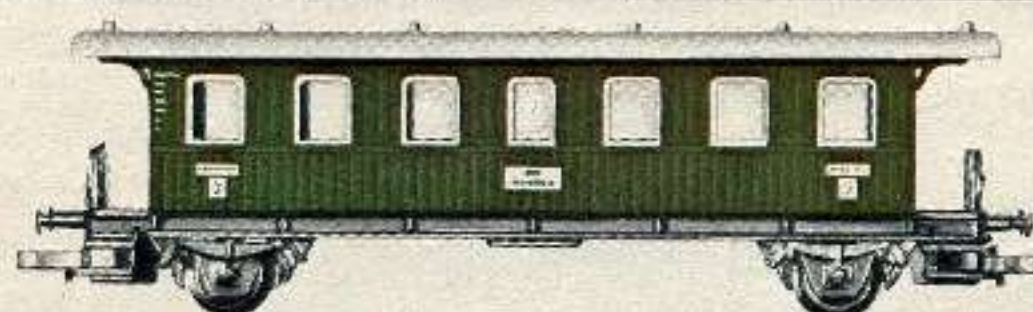
Express baggage car · A model of the German Federal Railways' car (D üm) · Windows inset in plastic frames · 4 7/8" long


8723

Express diner car · A model of the German Federal Railways' car (WR üm) · Windows inset in plastic frames · 4 7/8" long


8700

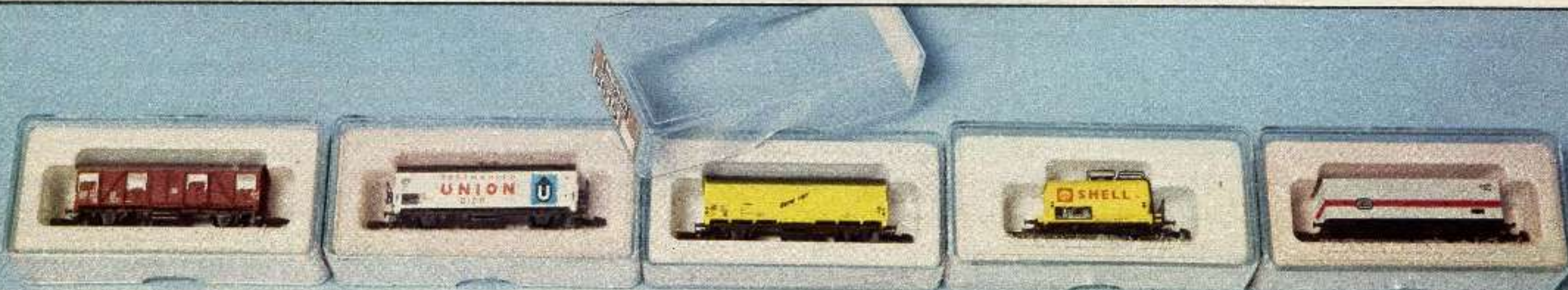
Passenger car · Platform and entrance at each end · Windows with cello plastic panes · 2 3/4" long


8701

Passenger car · Platform and entrance at each end · Windows with cello plastic panes · 2 3/4" long



Märklin mini-club railroad cars (passenger, express and freight cars) come in transport packs. You can see at once what you want to buy. Make sure that the "Märklin mini-club" brand name is on the box.



...that is why it is so fascinating

Märklin
mini-club

TEE cars Freight cars

NEW



8724

TEE compartment car · 1st class · A model of the German Federal Railways' car (Avm) · Windows inset in plastic frames · 4 1/2" long

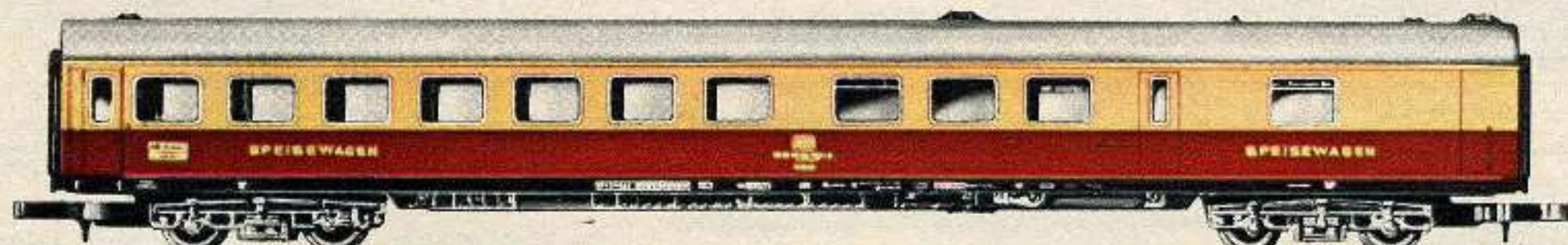
NEW



8725

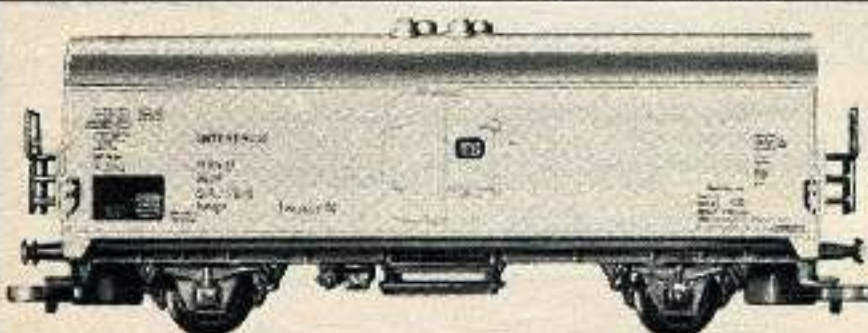
TEE open-interior car · 1st class · A model of the German Federal Railways' car (Apm) · Windows inset in plastic frames · 4 1/2" long

NEW



8726

TEE diner car · A model of the German Federal Railways' car (WRm) · Windows inset in plastic frames · 4 1/2" long



8600

Refrigerator car · A model of a German Federal Railways' car (Ichqrs) · 2 1/2" long



8601

Beer car · A model of a car owned by the Dortmunder Union Brewery · 2 1/2" long



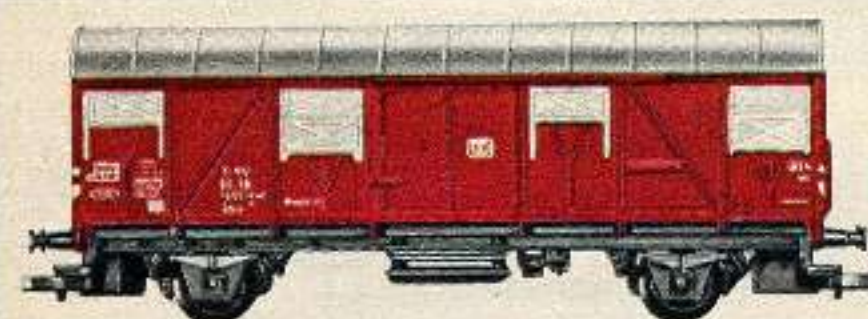
8602

Beer car · A model of a car owned by the "Spatenbräu" Munich brewery · 2 1/2" long



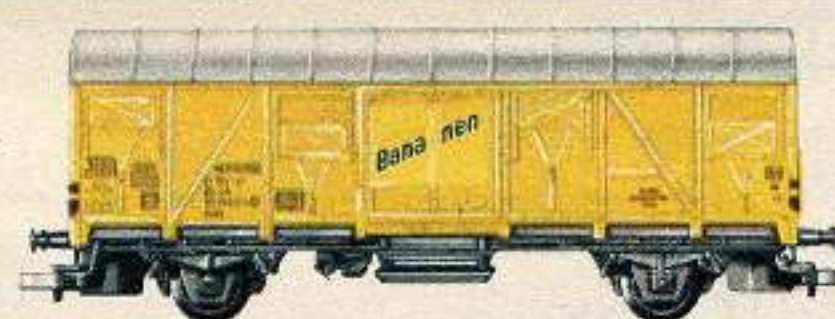
8603

Beer car · A model of a car owned by the Kulmbacher Mönchshof Brewery · 2 1/2" long



8605

Box car · A model of the German Federal Railways' car (Gbrs) · 2 1/2" long



8606

Box car · A model of the German Federal Railways' car (lbbls) · 2 1/2" long



8609

Freight train baggage car (German Federal Railways' type Dg) · Doors which open on each side · 1 1/2" long



8610

Low-sided gondola · 2 1/2" long



8611

Tank car · SHELL · 1 1/2" long



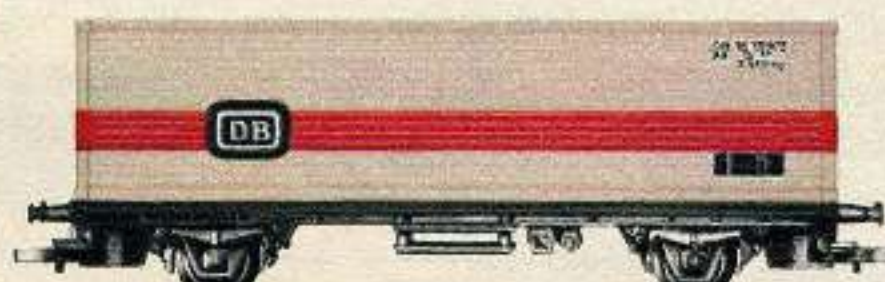
8612

Tank car · ESSO · 1 1/2" long



8613

Tank car · ARAL · 1 1/2" long



8615

Container car · DB · 2 1/2" long



8616

Container car · Sealand · 2 1/2" long



NEW

8622

Open freight car · A model of the German Federal Railways' type Omm 52 · 2 1/2" long

8620

Depressed center flat car · Loaded with transformer · 6" long



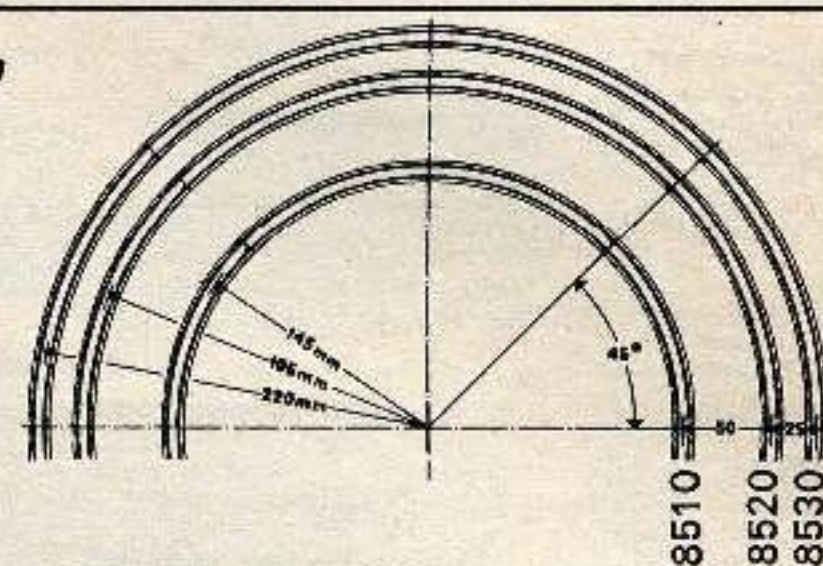
Track sections

With a gauge of 6.5 mm (17/64"), the overall width of the track sections for the Märklin mini-club is about 11.5 mm (7/16"). The overall height is 2.5 mm (1/10"). The solid, corrosion-resistant rails are mounted on a plastic tie strip. The rails are

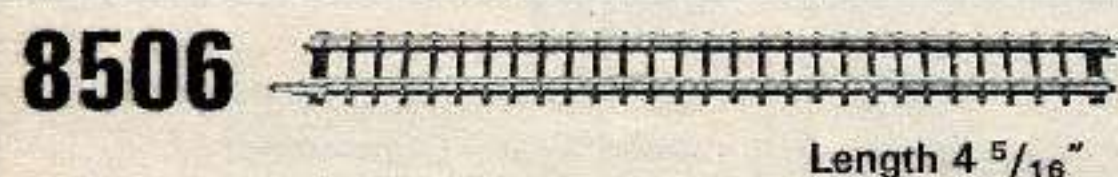
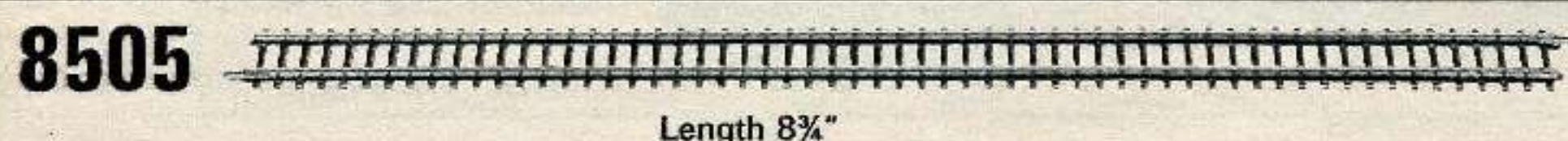
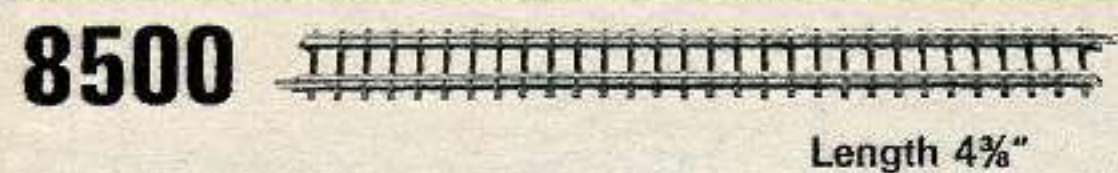
connected together by means of rail joiners, such as are used on the larger models. An additional clip on the tie strip increases the strength of the tie section joints.

This drawing shows the 3 Märklin mini-club track circles with the radii, track spacing and angles.

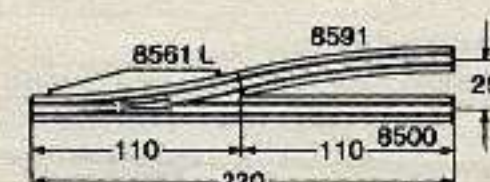
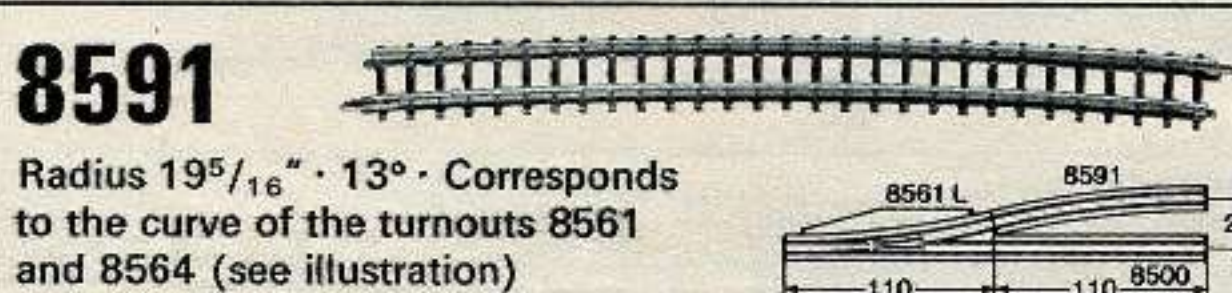
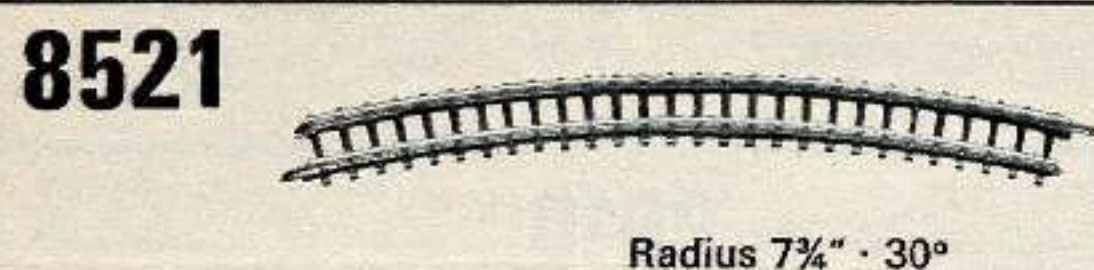
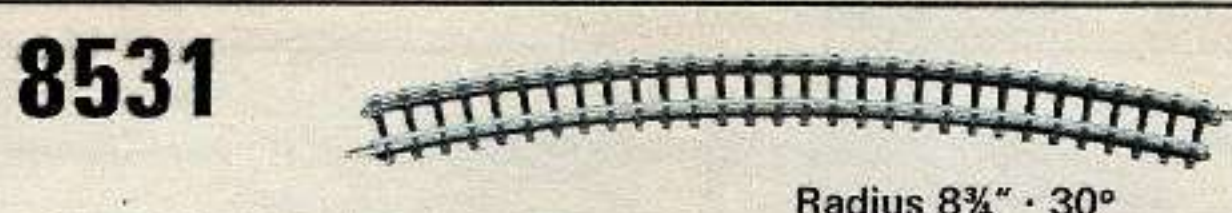
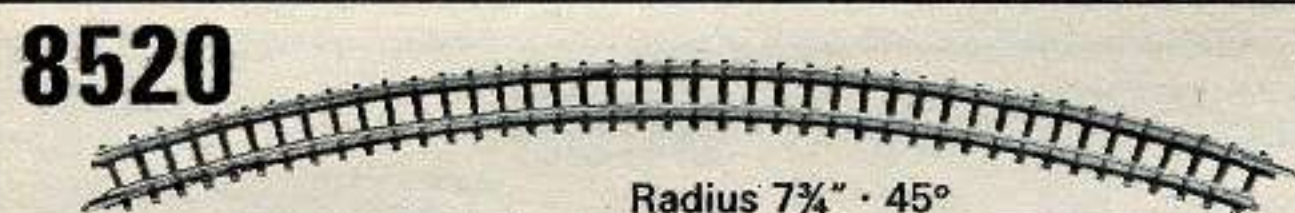
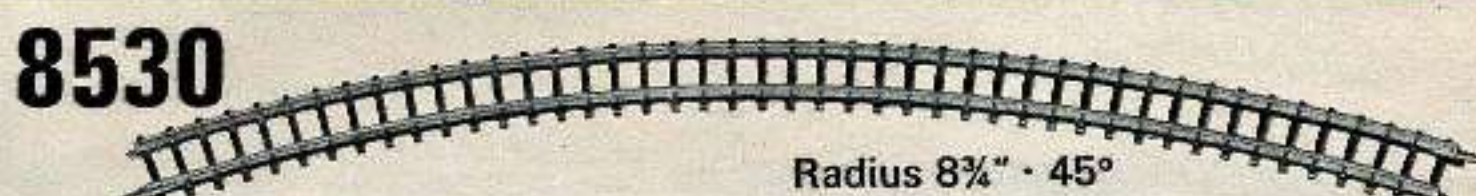
1 circle 8510 = 8 track sections
 1 circle 8520 = 8 track sections
 1 circle 8530 = 8 track sections



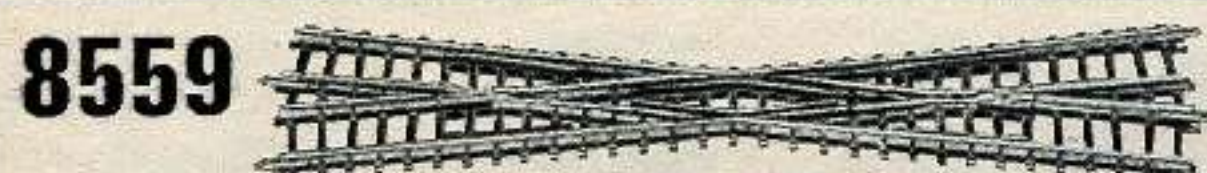
Straight track sections



Curved track sections



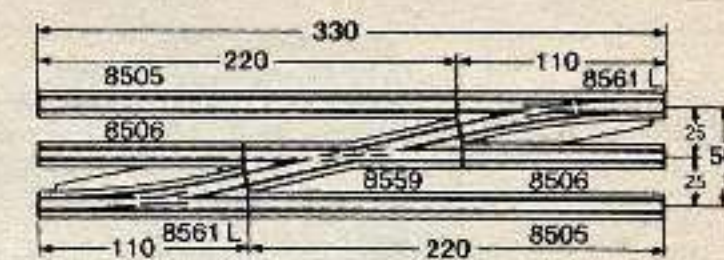
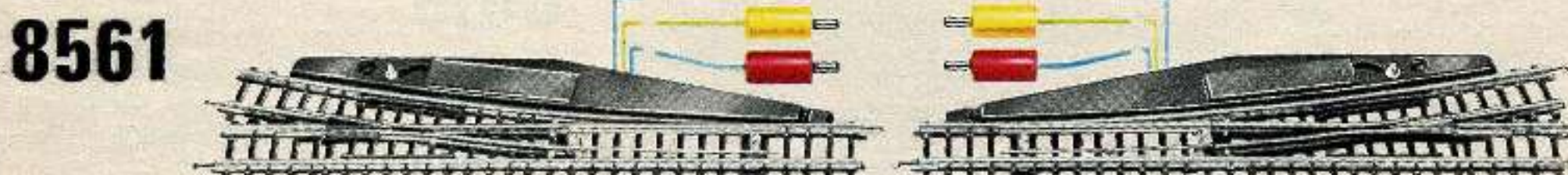
Crossing and turnouts



Crossing · Angle 13° · Length of track sections 4 7/16"

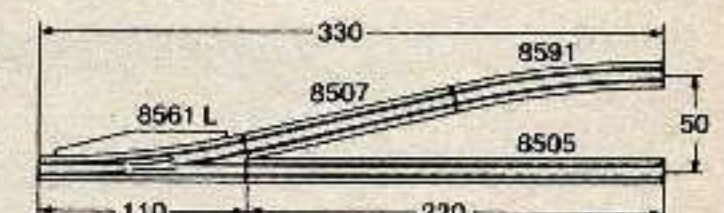
Pair of solenoid-controlled turnouts · Comprising one right-hand and one left-hand turnout, each with double-solenoid operation ·

Additional manual lever · Angle 13° · Radius of turnout track 19 5/16" · Length of straight track 4 3/4"



Pair of manual turnouts · Comprising one right-hand and one left-hand turnout · Operated by hand

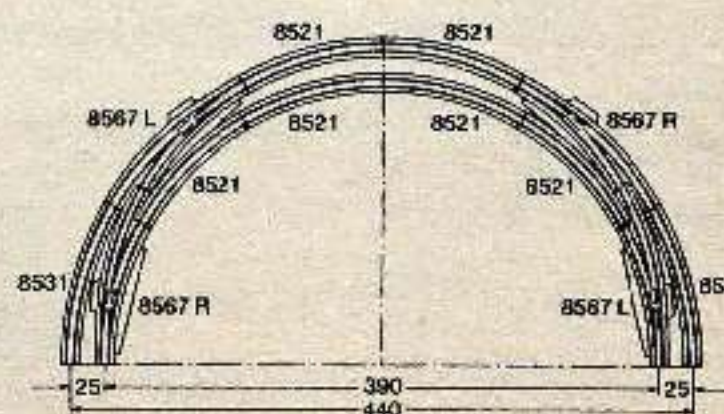
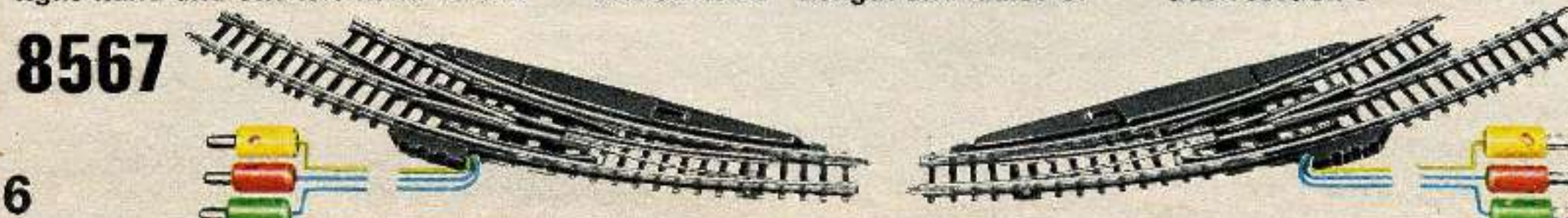
lever · Angle 13° · Radius of turnout track 19 5/16" · Length of straight track 4 3/4"



Pair of solenoid-controlled curved turnouts · Comprising one right-hand and one left-hand curved

inside turnout, both with double-solenoid operation · Additional manual lever · Length and radius of

the turnout track as for track section 8521 · Length of outside track section 5"



...for extensive track layouts

Märklin mini-club

Track sections

Tracks with special functions

Track section, straight · To make up a length · 4" long, extendable to 4 3/4"



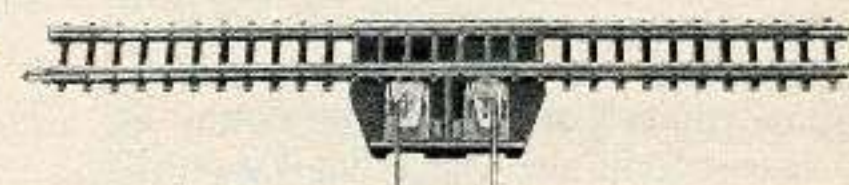
8592



Feeder track section straight · With suppressor · 2 terminal for

connecting the leads supplied with it · Length 4 3/4"

8590



Uncoupling track section · For uncoupling automatic couplings · Uncoupling ramp operated either

through the built-in solenoid by remote control, or by hand lever · Length 4 3/4"

8597



Isolating track section, straight · With terminals · The rail next to the

terminals has a break in the middle · Length 4 3/4"

8598



Contact track section, straight · With terminals · For triggering switch-

ing operations by means of the passing train · Length 4 3/4"

8599



Contact track section, curved · With terminals · For triggering switch-

ing operations by means of passing trains · Radius 7 3/4" · 30°

8529



Contact track section, curved · Construction and operation as for 8529, but with radius of 8 3/4" · 30°

8539



The contact track section 8529, 8539 and 8599 enable solenoid-operated items to be controlled automatically by the passing train. They are actuated by the locomotive and can trigger

various switching operations in either direction independently of the other. The control pulses are picked up from two terminals electrically isolated from one another.

Track accessories

Pack of 10 isolating clips · Made of plastic · For electrical isolation of track sections

8951



Buffer · Clips on to rails · Black · Buffer beam, white with red stripes · Length 5/8"

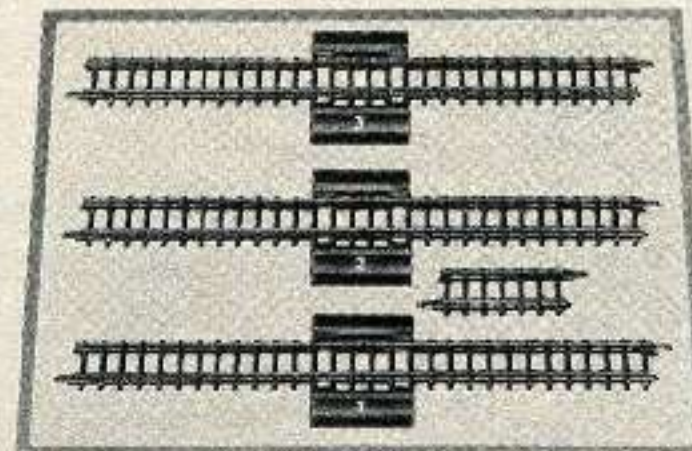
8991



Loop set · Comprising 3 track sections to be joined one to another as

shown by their markings, and 1 track section 8504 · Permits travel on loops

8993



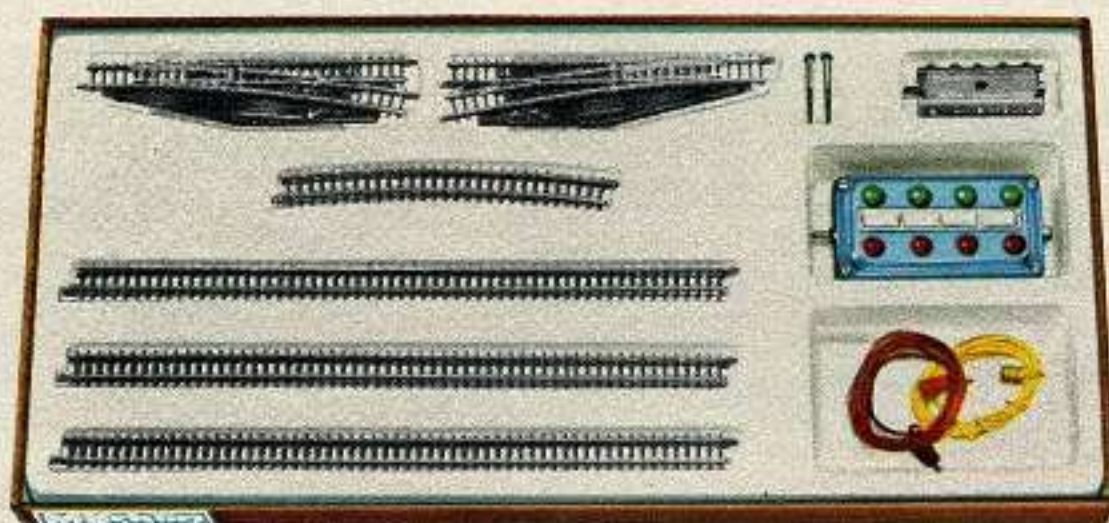
Track fixing nails · 1/4" long · Pack of 100 nails

8999

NEW

Track extension kit · Contains 1 pair of solenoid-operated turnouts 8561, 6 straight track sections 8505, 2 curved track sections 8591, 1 control

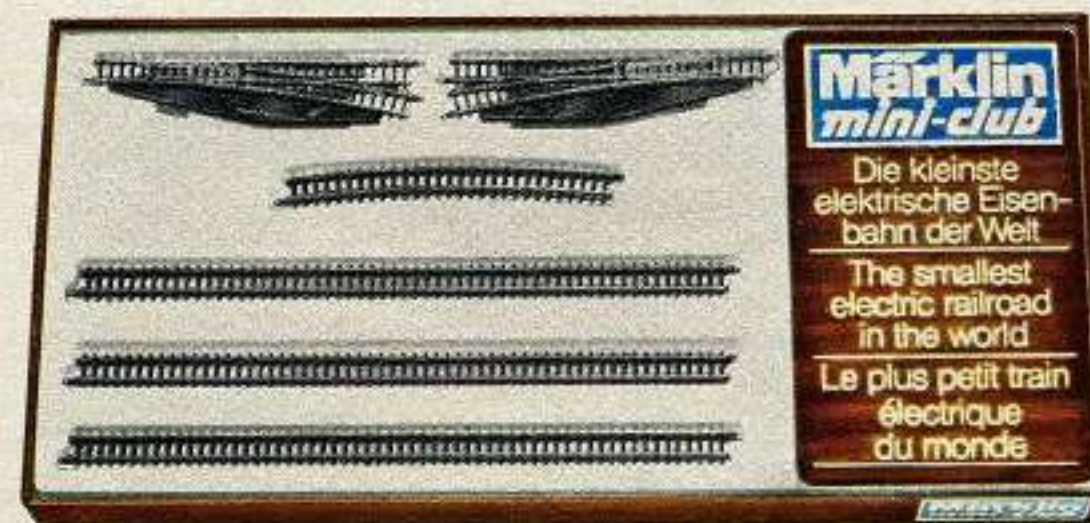
8490



panel 7072, 1 distributor panel 7209, 1 yellow and 1 brown lead and instructions for installing the turnout and extending the layout

Track extension kit · Contains 1 pair of manual turnouts 8564, 6 straight track sections 8505, 2 curved track

8491



Märklin mini-club Toporama · The true-to-nature model railroad landscape for an oval track with sidings · 4-color printing on synthetic paper · The printing shows the track

8910

layout with precise sub-divisions, roads, paths, lakes and plan views of houses · Tufted grass-covered areas gives an effect of relief · Size 1'7" x 4'1"

Märklin mini-club track layout pattern · Landscape laid out for an oval track with sidings, printed in 4 colors on a strong hard-wearing material · The attractive arrangement

8919

of the landscape ensures a pleasing model layout · The tracks are printed on, with roads, paths, lakes and plan views of houses · Size 1'1 1/4" x 3'3 1/4"



Layout construction

Some examples of layouts

These suggestions are to be found in the Märklin mini-club Guide. In the guide you will also find other examples of layouts and much that is worth knowing about Märklin mini-club. The Guide is included in transformer packs.

Fig. 1
 17½" x 13½"
 1-8500
 8-8510
 1-8590

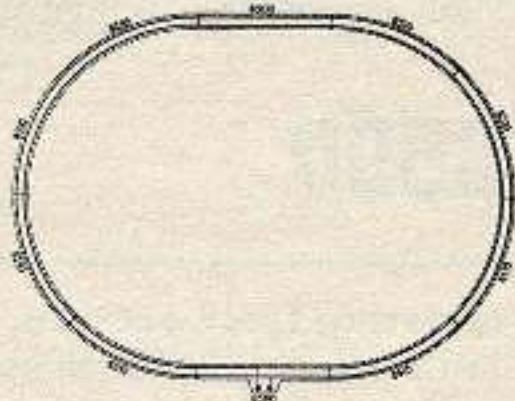


Fig. 2
 41" x 19½"
 2-8500
 8-8505
 4-8520
 6-8521
 4-8530
 2-8531
 2-8567
 2-8590
 1-8951

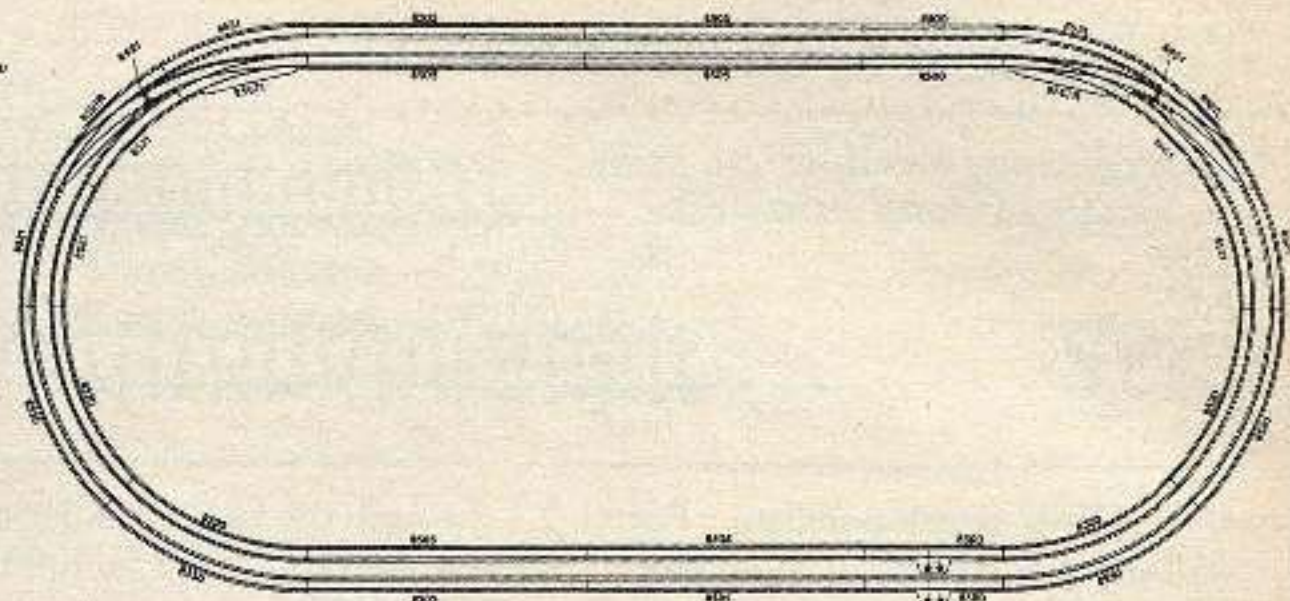
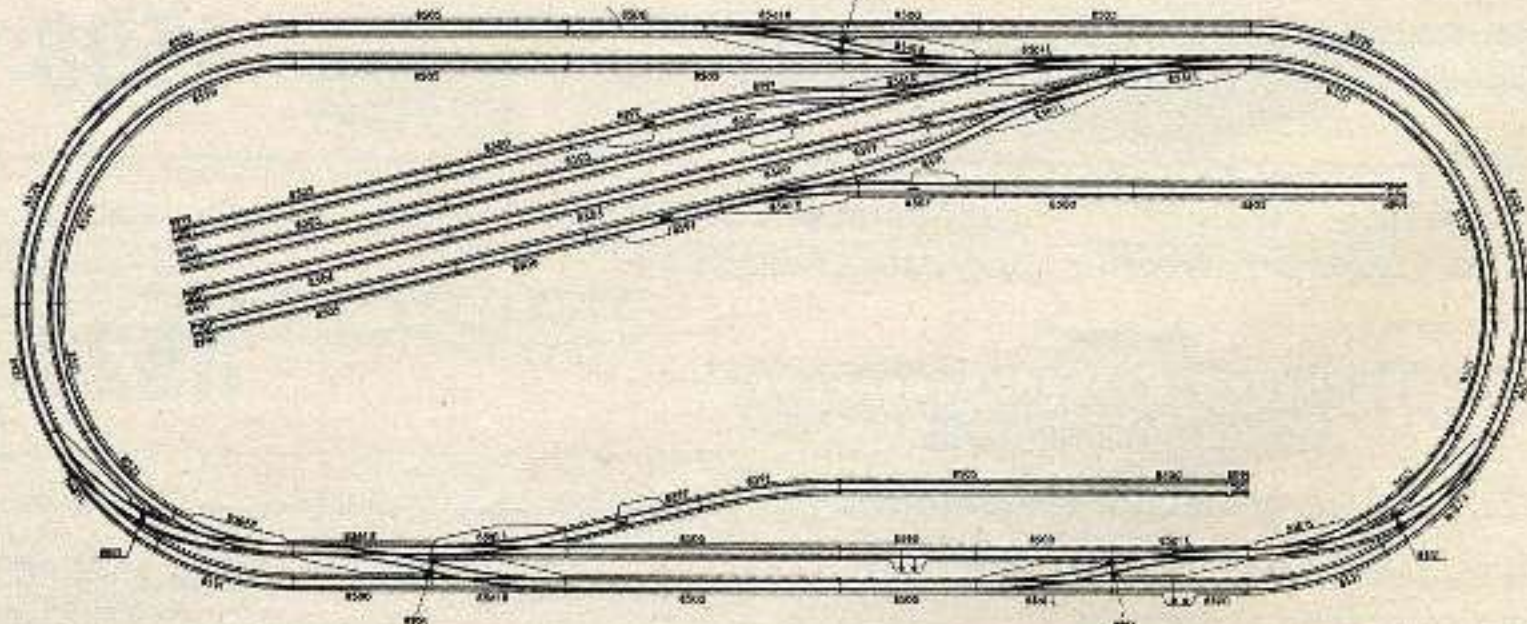


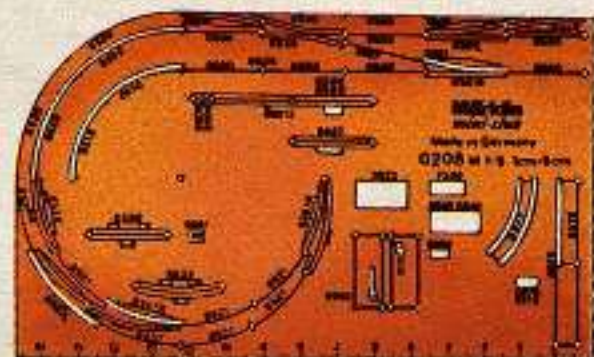
Fig. 3
 49½" x 19½"
 10-8500
 14-8505
 4-8520
 6-8521
 4-8530
 2-8531
 6-8561
 2-8567
 2-8590
 3-8591
 6-8597
 1-8951
 6-8991



0208

NEW

Track planning pattern for Märklin mini-club tracks. All the track sections are cut out in the pattern to a scale of 1:5 and can easily be transferred on to paper with a pencil

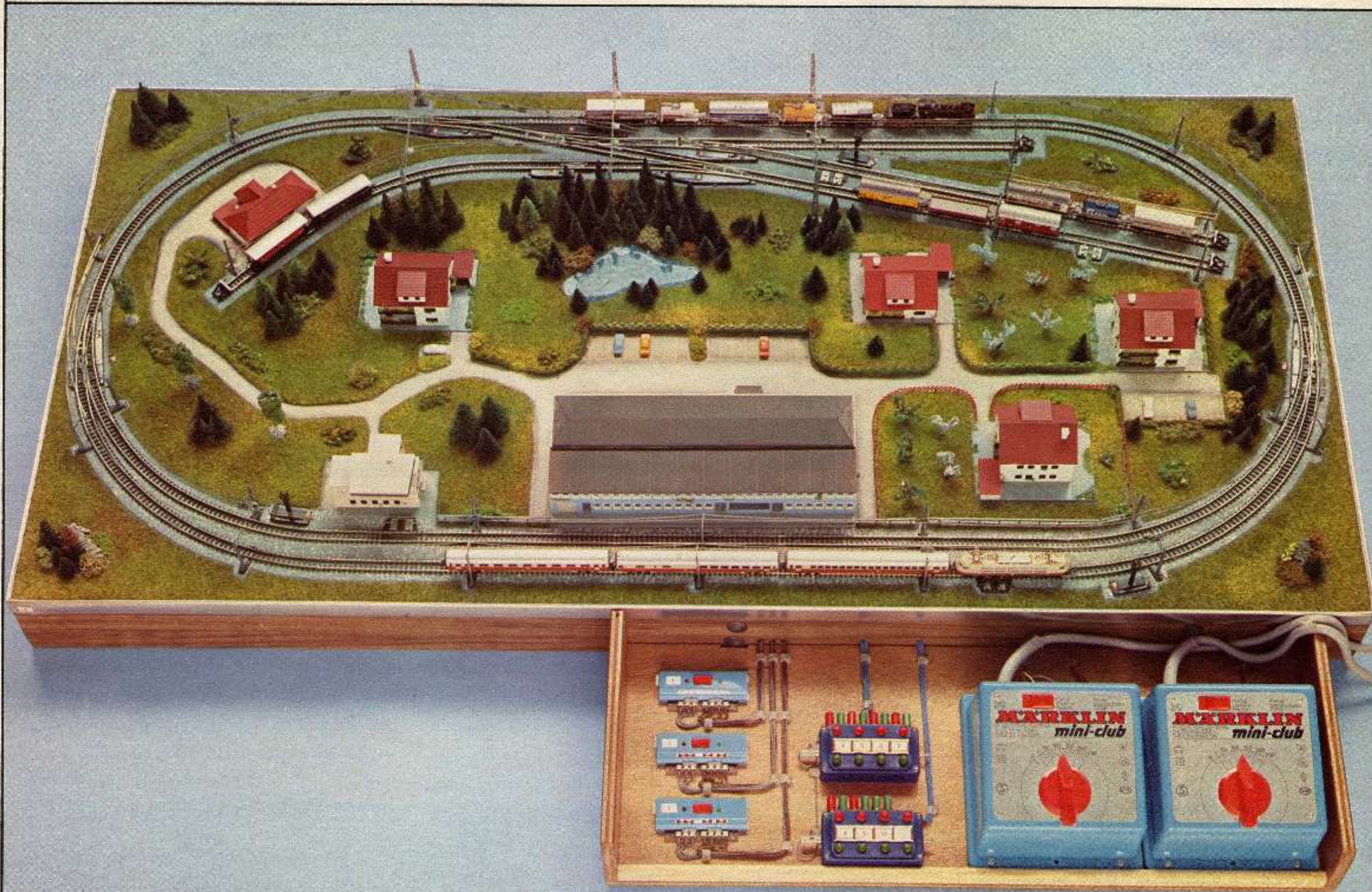


0290

NEW

"Märklin mini-club Track layouts", booklet. Illustrated instructions for building track layout and catenary systems, connecting up power packs and solenoid-operated

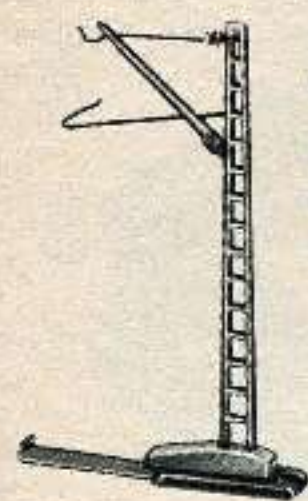
items and for building bridges. German text. English text available in 1975



There is room on the smallest table

Märklin
mini-club

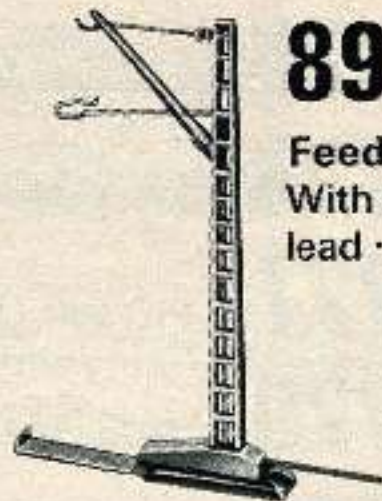
Catenary system



8911

Mast for overhauled contact wire ·
Basic tower with support plate ·
Height 1½"

NEW



8912

Feeder mast for supplying current ·
With support plate and connecting
lead · Height 1½"

NEW



8913

Bridge mast for fixing on to the side
of bridges or ramp sections · Height
1⅝"

NEW

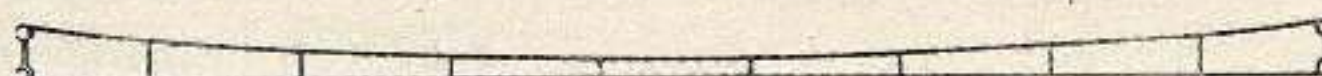


8914

Tower mast with recesses for hook-
ing on cross spans 8924 and 8925 ·
Base ¼" x ½" · Height 2⅝"

NEW

The mini-club catenary system will be
available from the beginning of 1975.



8922

Contact wire section for straight
and curved tracks · Length 6⅝"

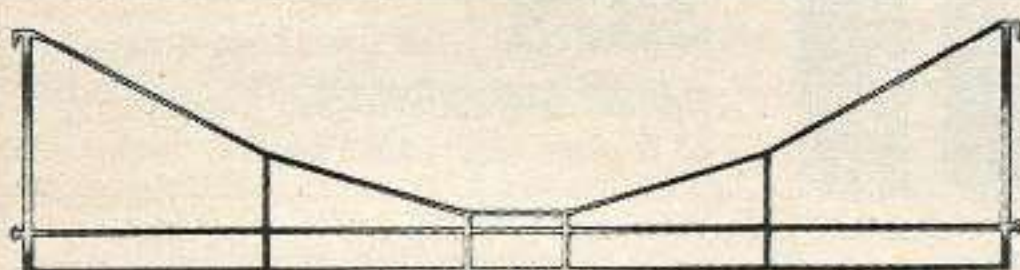
NEW



8923

Contact wire section · Length
adjustable from 5⅝" to 7⅝"

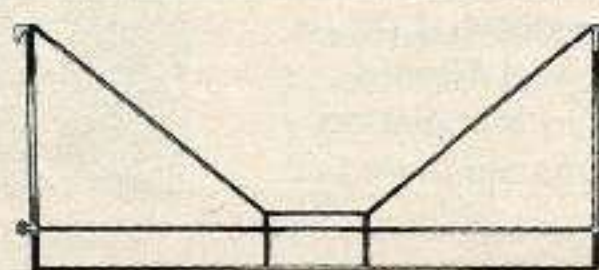
NEW



8924

Cross span · For hooking into tower
masts · Spans 5 tracks · Span 4⅝"
approx.

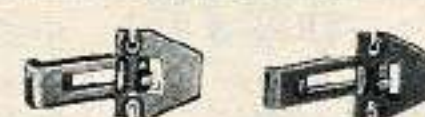
NEW



8925

Cross span · For hooking into tower
masts · Spans 3 tracks · Span 3"
approx.

NEW



8921

Contact wire insulator pack ·
For isolating contact wire section
from the cross spans · Contain white
and grey insulators · The white insu-
lators combine 2 contact wire sec-
tions together, the grey ones 3 con-
tact wire sections

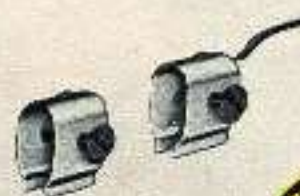
NEW



8926

Isolating sections and connect-
ing springs pack · Is required to
obtain isolating points in the catenary
system and at branches over turnouts

NEW



8927

Contact wire terminals pack ·
Contains screw terminals with and
without leads · For feeding current to
sections of the catenary system or for
holding contact wire sections to-
gether, e.g. over crossings

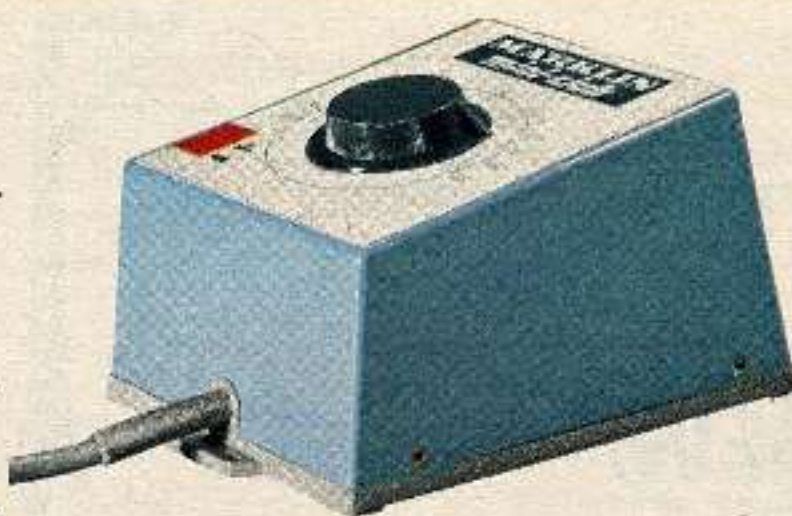
NEW



Accessories

6711 = 220 volt

Märklin mini-club power pack for AC · One-knob control for adjusting the **track voltage (DC)** between 0 and 8 V and reversing the direction of travel · Output in the track circuit up to 8 VA, in the **lighting circuit (AC)**, about 12 VA at 10 V · Blue plastic case · Weight 3 lb. 10 oz · Dimensions 6 $\frac{1}{8}$ " x 4 $\frac{5}{16}$ " x 3 $\frac{1}{2}$ "



6720 = 100 volt Japan

6726 = 110 volt

6727 = 110 volt USA

6729 = 240 volt England

6731 = 220 volt

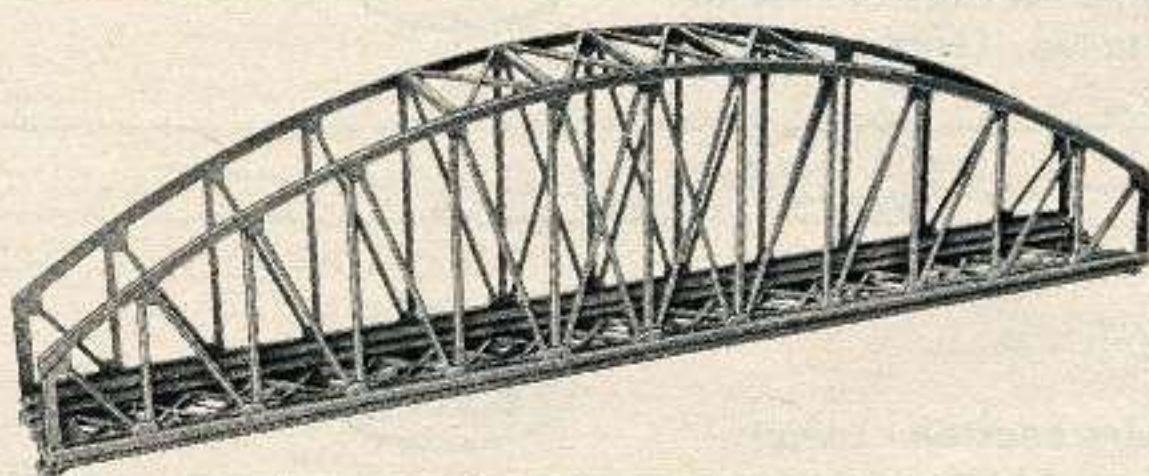
Märklin mini-club power pack for AC · Output 12 VA · **Track voltage (DC)** adjustable between 2 V and 8 V · Reversing switch · **Lighting**



voltage (AC) 10 V · Blue plastic case · Weight 2 lb. 10 oz · Dimensions 5" x 5 $\frac{3}{8}$ " x 3"

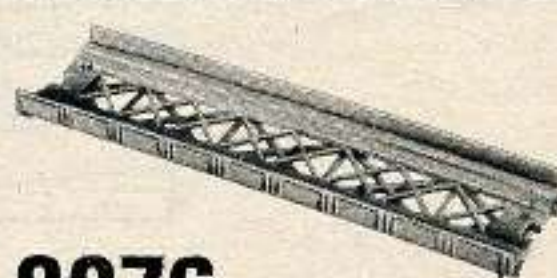
8975

Arched bridge · Made of plastic · Grey · Length 8 $\frac{5}{8}$ "



8976

Ramp section, straight · Length 4 $\frac{1}{2}$ "



8977

Ramp section, curved · Radius 5 $\frac{1}{4}$ " · Track curve 45°



8978

Set of piers, entry ramp · Consisting of 1 pier each of height 4, 8, 12, 16, 20, 24, 28, 32, 36 and 40 mm (from $\frac{5}{32}$ " up to 1 $\frac{1}{8}$ " · Installation instructions are included



8979

Set of piers, bridge · Consisting of 5 piers each 1 $\frac{1}{8}$ " high



8992

Grade crossing with half barriers · Consisting of two solenoid-operated barriers, each with 2 red warning lights which light up when the barrier is closed · Size of each base 3 $\frac{3}{4}$ " x 1 $\frac{1}{2}$ " · (The track sections illustrated are not included in the price and are not supplied with the grade crossing)

⚡ = 8953

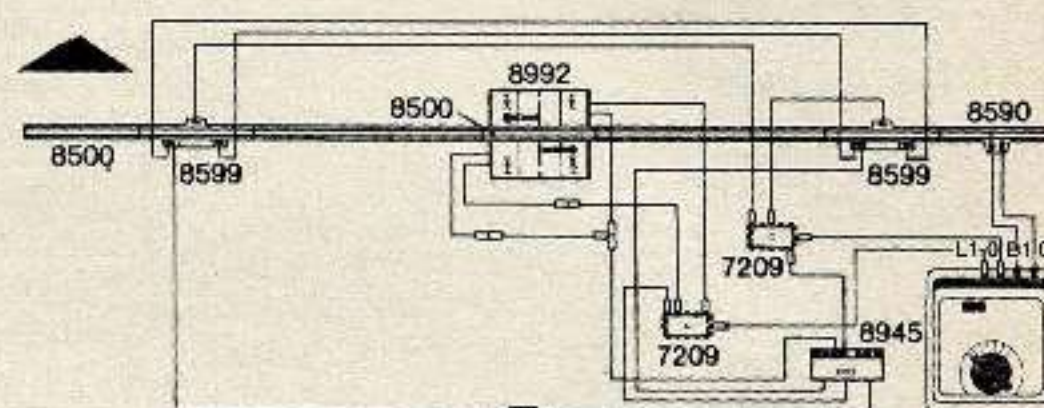
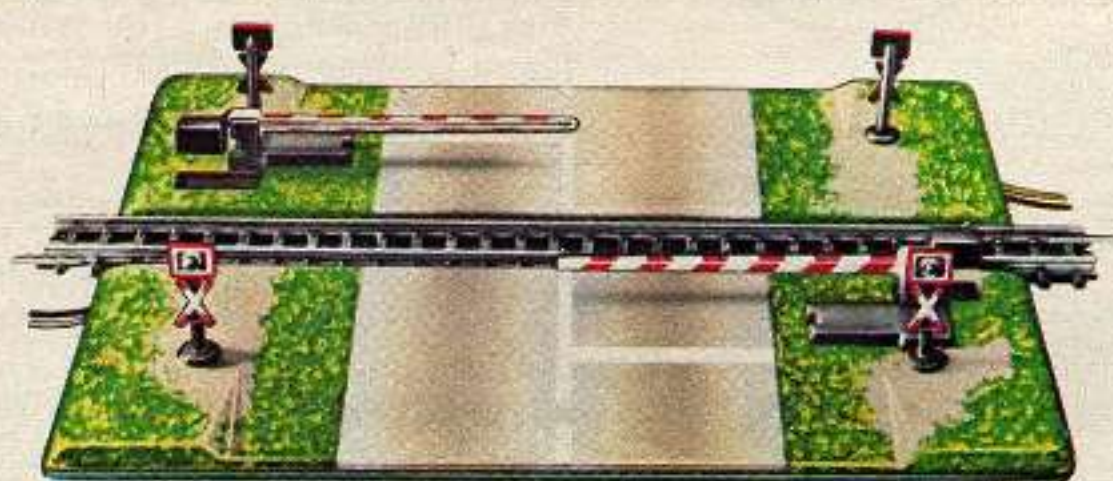
For the grade crossing, the following are also required:

a) **when operated automatically by the passing train:**

- 1 Universal remote controller 8945
- 2 Contact tracks (depending on track layout e.g. 8599, 8529 or 8539)

b) **when manually operated:**

- 1 manual signal switch 8946
- The instructions for use supplied with the grade crossing explain the various possible ways of installing them.



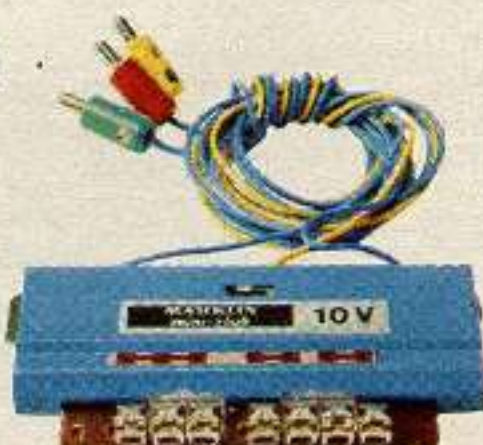
Switch with signal 8939 and a switching track at "stop" (HpO).



8939

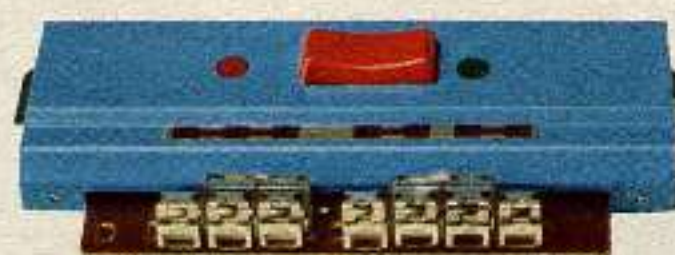
Illuminated home signal · Light changes from red (stop) to green (proceed) · 2 bulbs · Operated by universal remote controller 8945 or by the manual signal switch 8946 · Height 1 $\frac{1}{2}$ "

⚡ = 8953



8945

Universal remote controller with 2 single-pole switches and a change-over switch for different circuits · The universal remote controller can carry out many functions (up to 3 operations simultaneously), which it executes automatically and reliably · Examples: the control of grade crossings, switching lighting installations and many more · Applications will be found in the Brochure 0290 (see p. 8) and in the Märklin mini-club Guide · Operating voltage 10 V · Double-



8946

Manual signal controller with 2 single-pole switches and a change-over switch for controlling, e.g., the light changes in signal 8939 and the track current · Width 1 $\frac{3}{16}$ " · Length 2 $\frac{3}{4}$ " · Height $\frac{5}{16}$ "

► **solenoid operation** · Actuated by contact track section, control panel or by manual switch lever · Width 1 $\frac{3}{16}$ " · Length 2 $\frac{3}{4}$ " · Height $\frac{5}{16}$ "



8950

Light socket with light insert and lead · For stations, buildings and the like

⚡ = 8953



8953

Light insert · With 10 V bulb · For use with light 8950, signal 8939, grade crossing 8992 and in locomotives with lighting systems



8973

Pack containing various miniature automobiles



8974

Ramp · Made of plastic · Facilitates placing locomotives and cars on the track · Length 5½" · Height ½"

8987

Pair of carbon brushes for locomotives 8800, 8803 and 8864

8988

Pair of carbon brushes for locomotives 8816, 8854 and 8875

8989

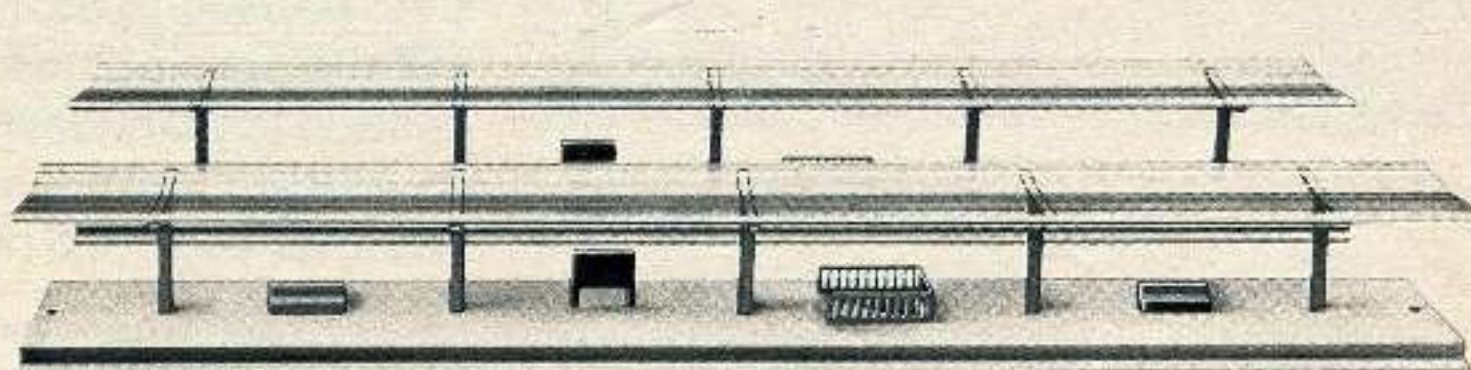
Pair of carbon brushes for locomotive 8885



8960

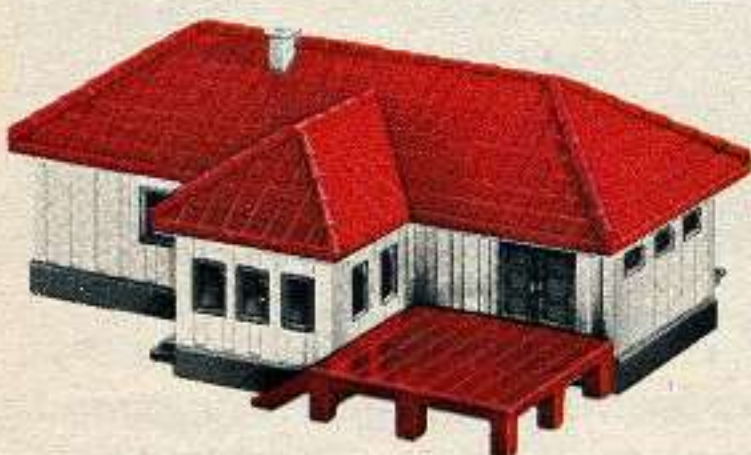
Station building kit (Göppingen Station) · Modern design · Floor

area 9" × 4½" · Height 1¾" · Arranged for mounting light socket 8950



8961

Platform building kit · In two parts · Overall length 17" · Width 1½" · Height 1"



8962

Station building kit (Dürnau Station) · Multipurpose building with annex and loading ramp · Floor area 2¾" × 2" · Height 1¼" · Arranged for mounting light socket 8950



8963

Apartment house building kit, with penthouse · The two top sections can also be used separately as a bungalow or kiosk · Floor area 3¾" × 3¾" · Height 3¾" · Arranged for mounting the light socket 8950



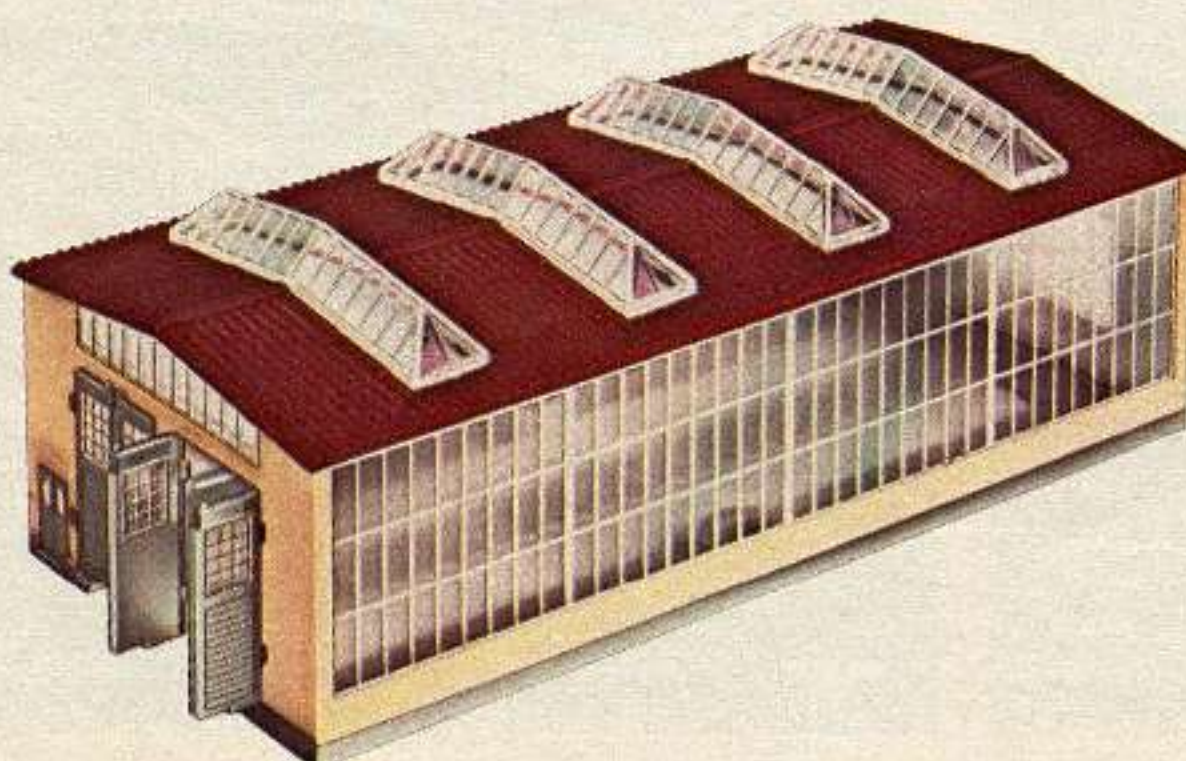
8964

House building kit, with garage · Can be used as one or two storey house · Floor area 3½" × 2¾" · Height 1¾" · Arranged for mounting the light socket 8950



8965

Signal box building kit · Floor area 2¾" × 1½" · Height 1¾" · Arranged for mounting light socket 8950



8966

Locomotive shed building kit · Designed for the incorporation of 2 locomotive sidings and catenary system · Length 6" · Width 3" · Height 2"

NEW

Scale 1:87

All the information given below will be of interest to you

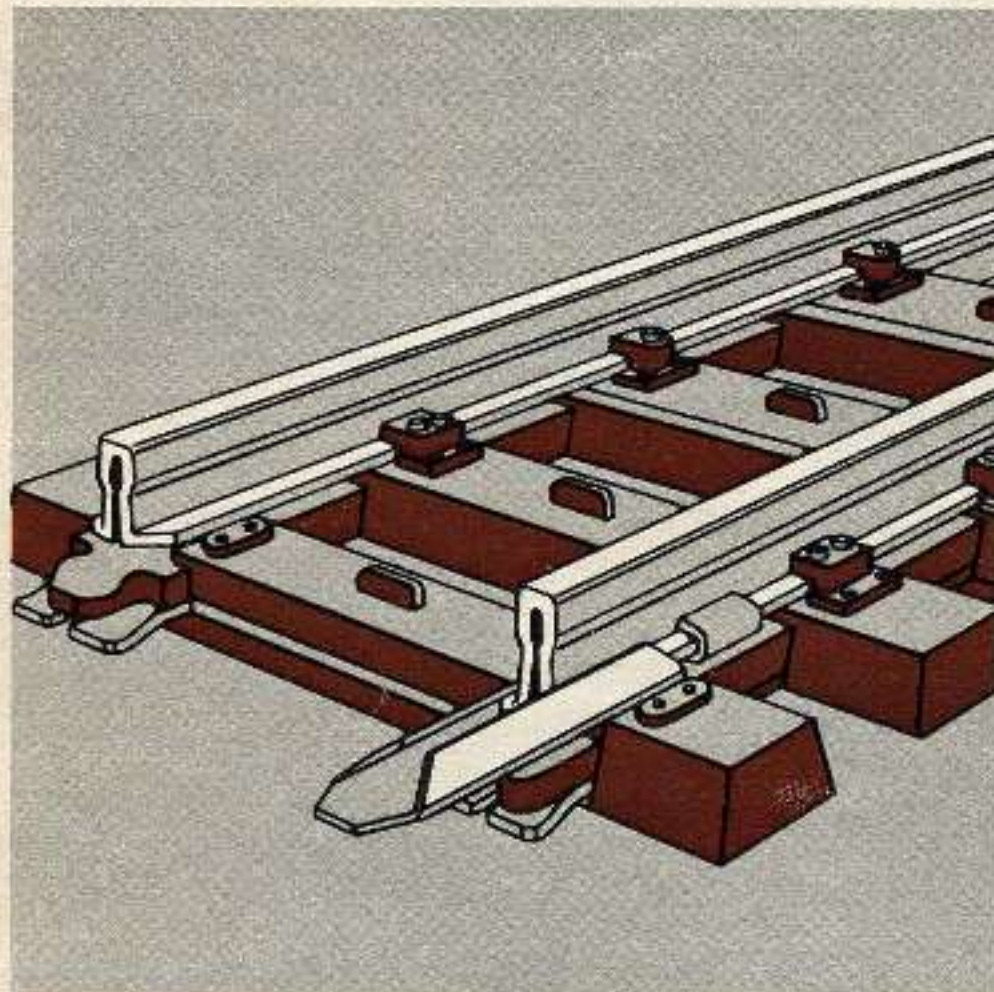
(even if you already have one).

Irrespective of whether your Märklin HO model railway layout is large or small, there is always scope for new developments, extensions and improvements. Yet each stage in itself is complete and deeply satisfying. From the first single little train in a setting of toddler's toys and cartons, up to the extensive layout of the enthusiast, equipped by using all of Märklin's ingenious techniques, in all cases the whole of the small or simple layout can be fully integrated into the bigger or more elaborate layout, with nothing left over unused. A model railroad offers infinite possibilities as a hobby, giving a chance to plan, design, invent and do-it-yourself, so that at any age, no matter whether you are 6 or 60, you can always

come back to it and find something to do giving relaxation and pleasure. The Märklin HO model railroad offers special advantages inherent in the design philosophy:

1. Power supply via the central conductor of the Märklin HO track.
2. The exclusive use of alternating current for all parts of the Märklin HO system.

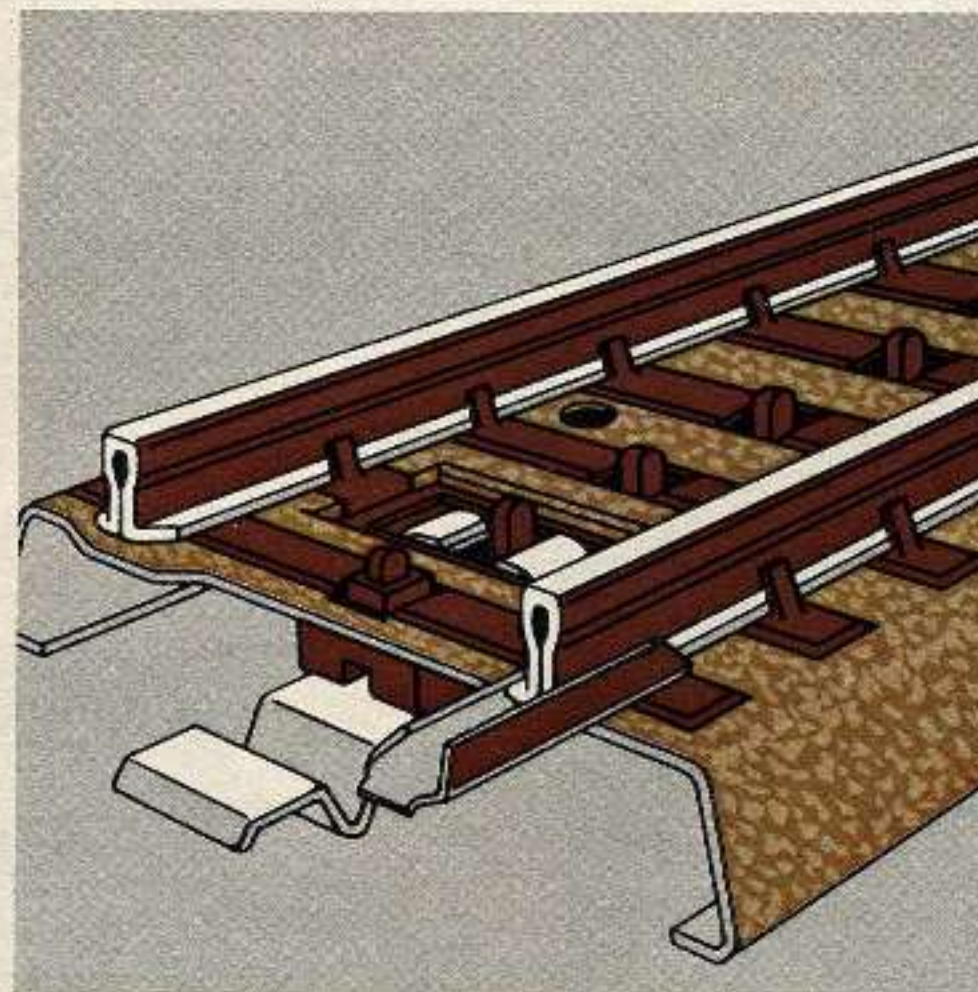
These two together guarantee reliable power supply to the locomotive and electrical circuits, which are easy to follow even in the most complicated layouts. Everything is easy to understand and is explained in addition in the instructions which accompany each item.



K track

(plastic rail ties)

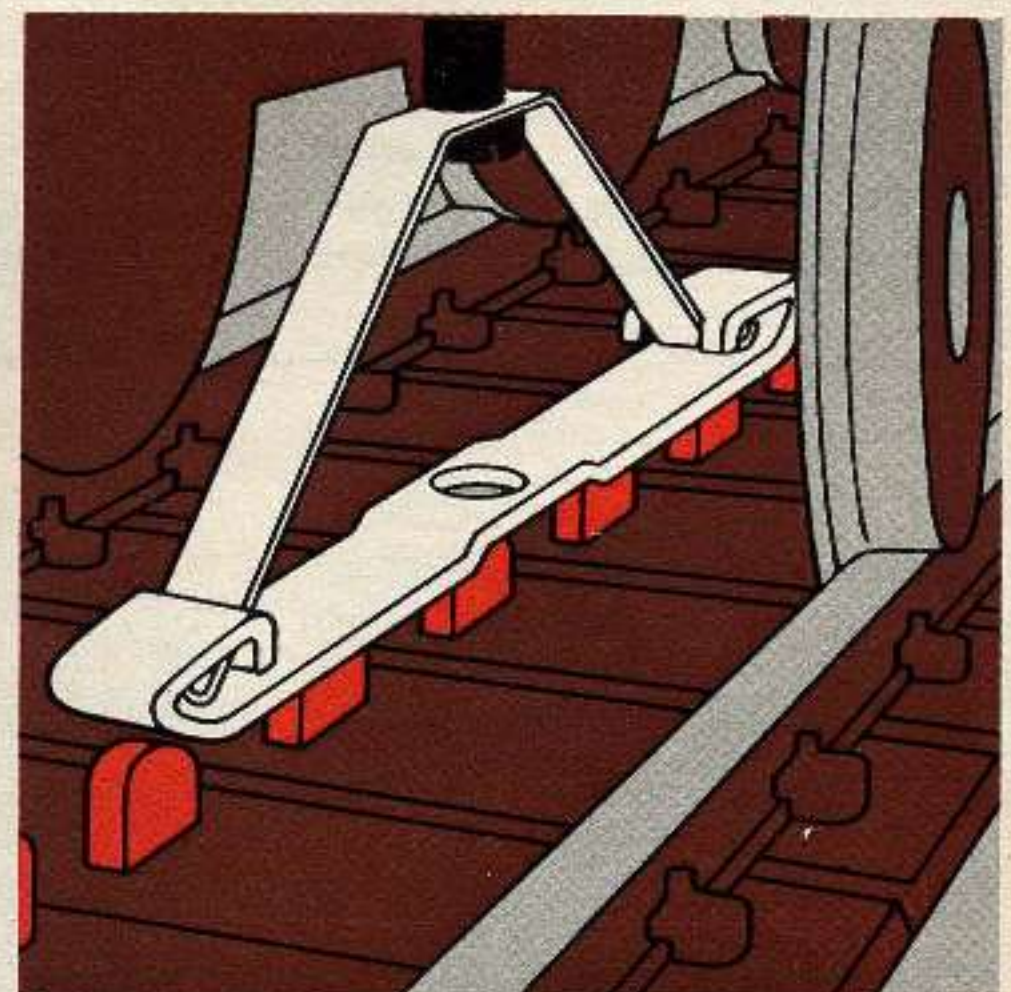
Six-fold connection between track sections, comprising two rail clips, two sprung contacts on the central conductor and two couplings on the tie strip.



M track

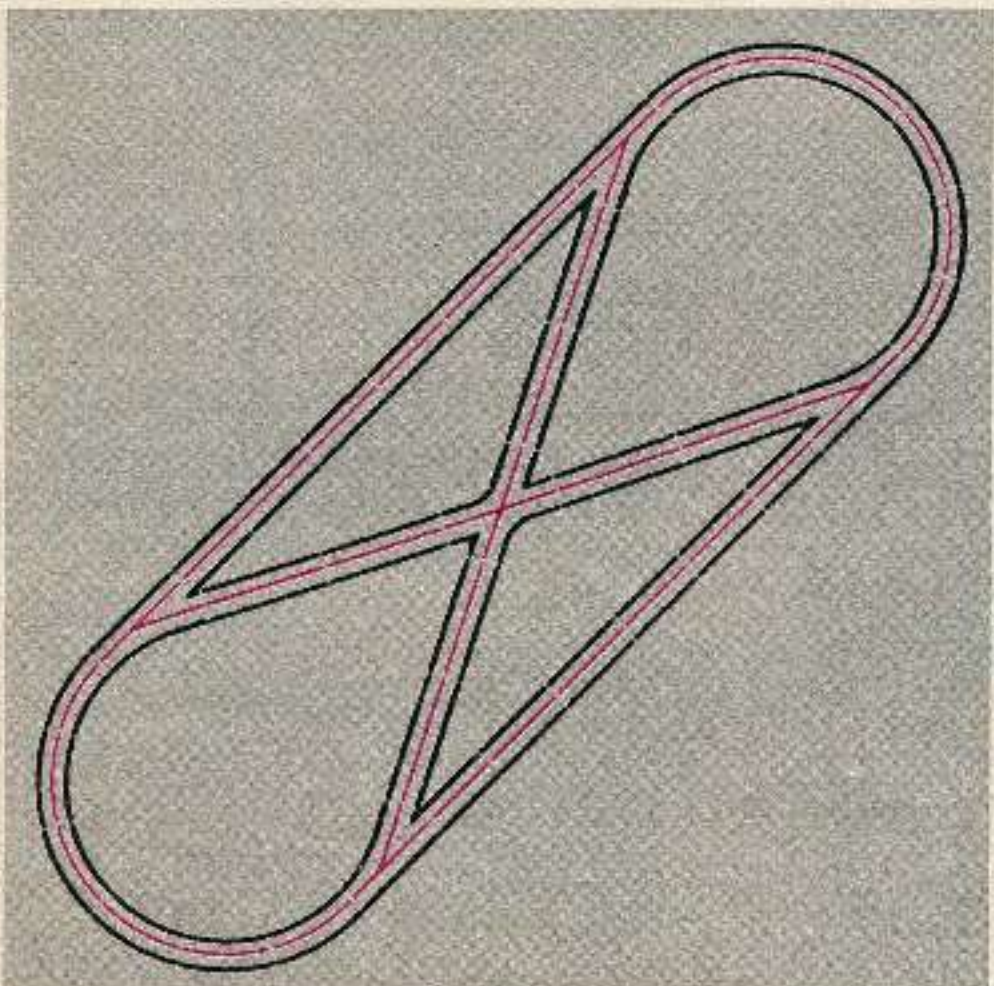
(metal rail ties)

Triple connection between track sections, comprising a spring clip on the central conductor and two rail clips.

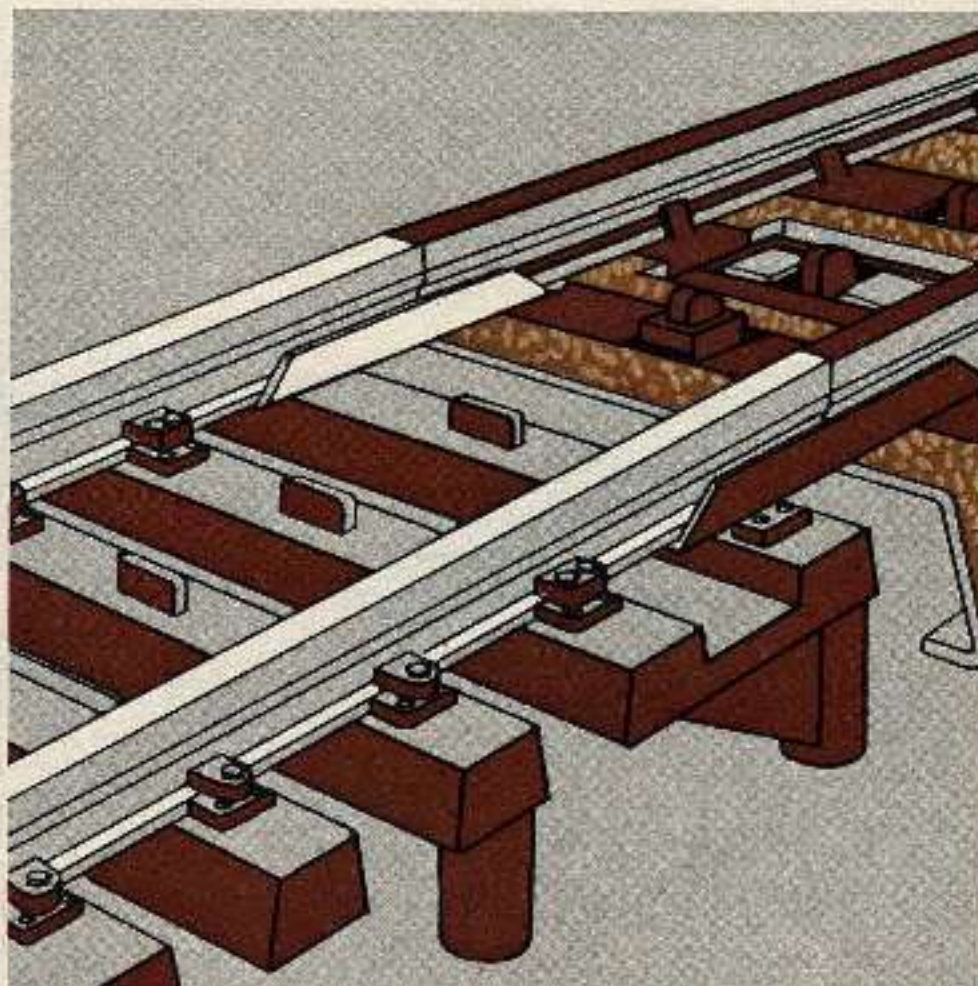


Reliable power supply

to the motor from the point contacts via the pick-up shoe. Return via the wheels of the locomotive on both sides.

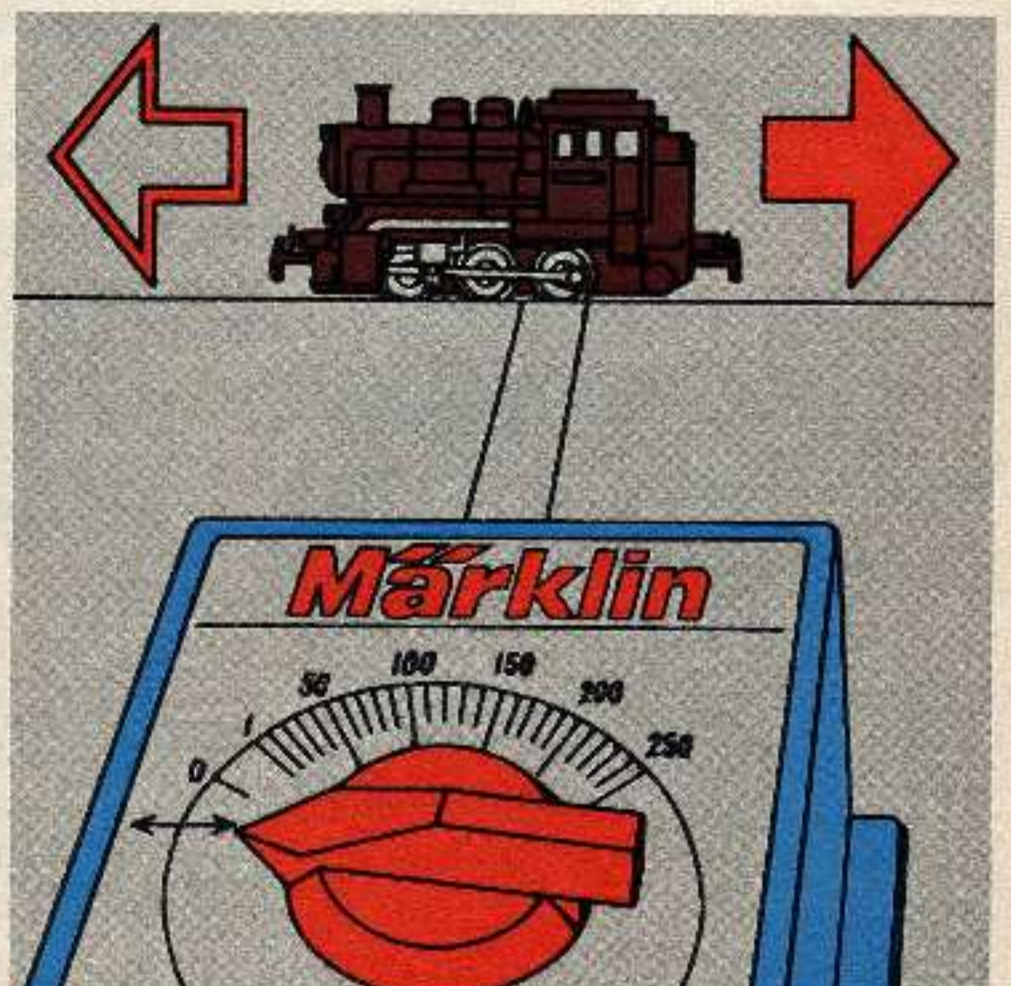


Easy-to-follow current paths without intricate circuitry



Adaptor track sections

used to connect metal tracks to plastic tracks.



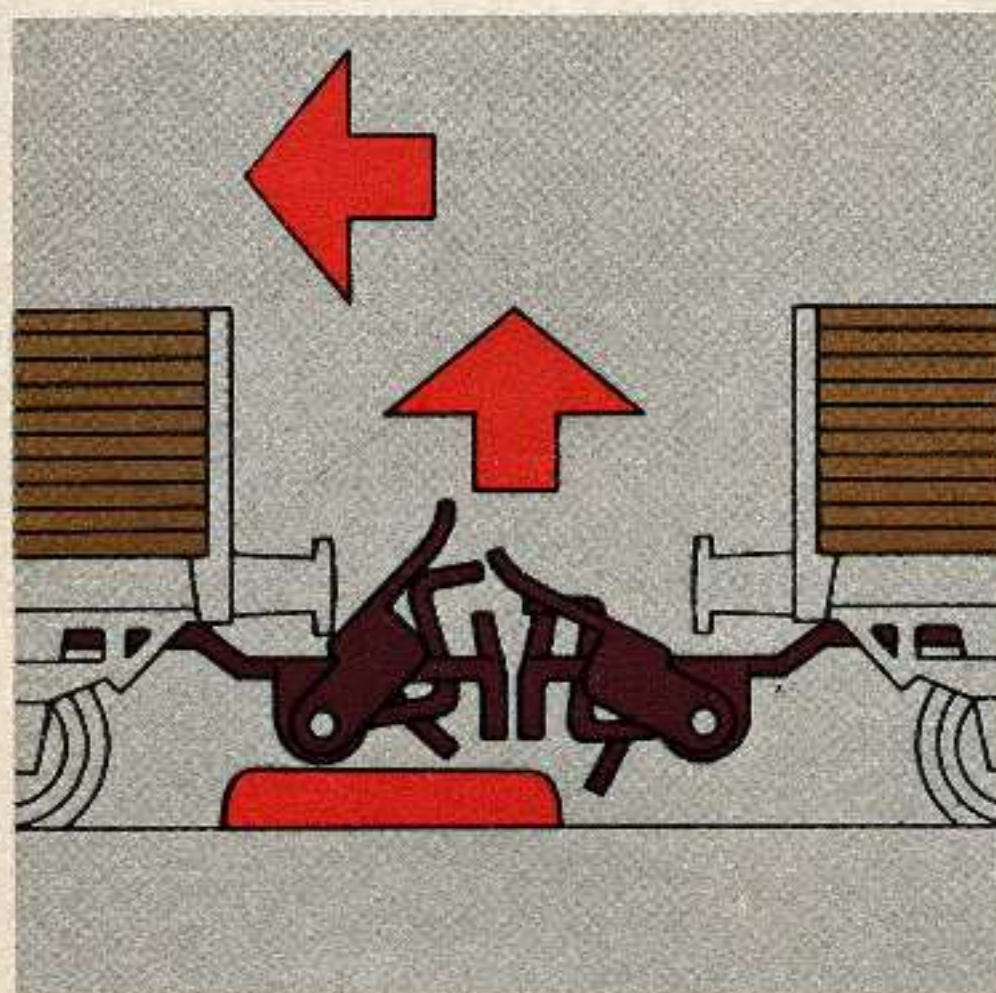
Reversing

of the locomotive by turning the control knob on the transformer anticlockwise (over-current pulse).

*...stands for perfection
and reliability*

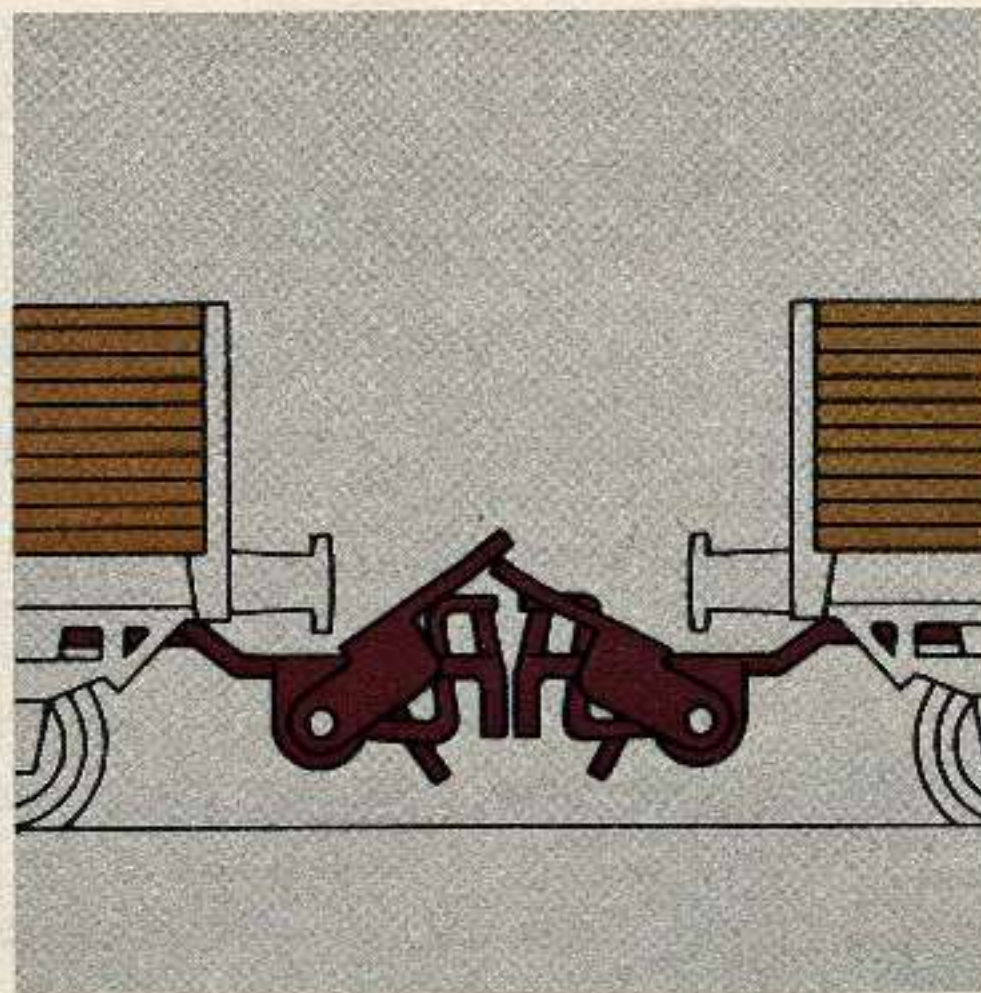
MärklinHO

Scale 1:87



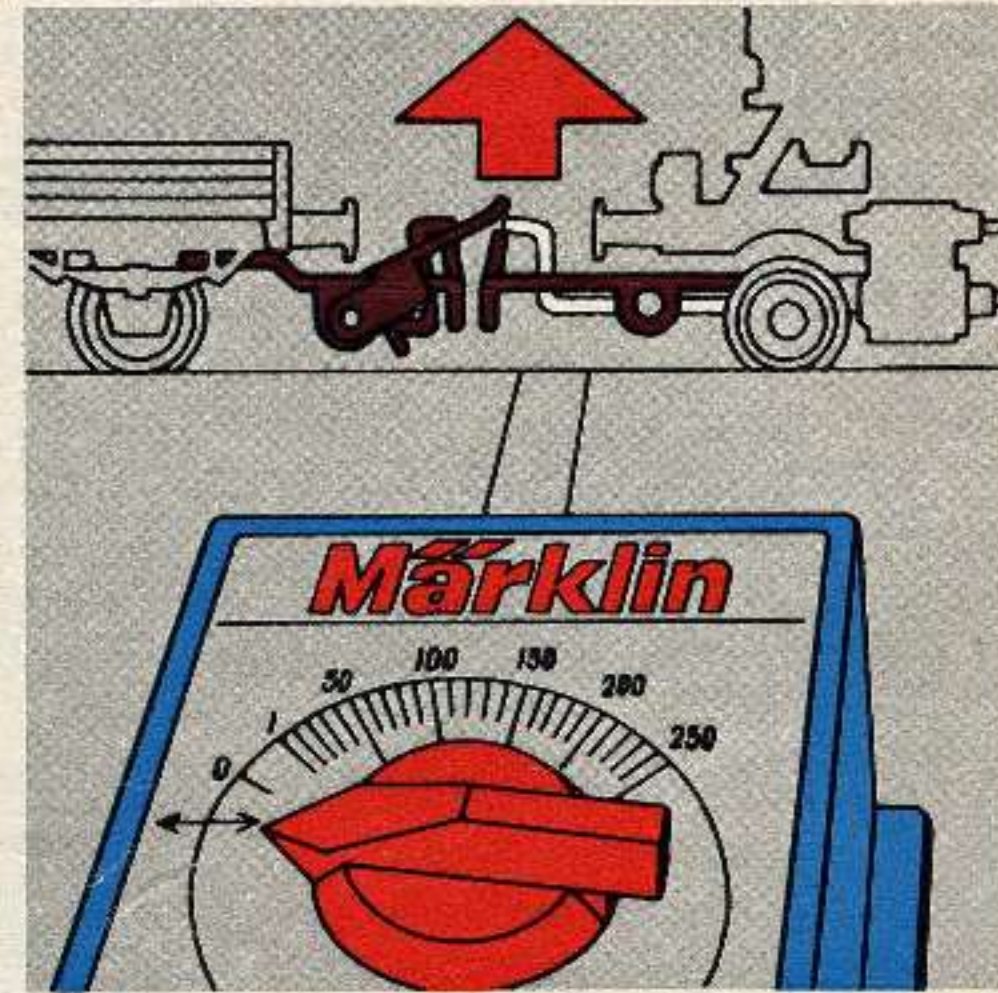
Automatic coupling

When the cars are brought into contact the coupling engages automatically. At the uncoupling track, uncoupling can be carried out manually or by remote control.



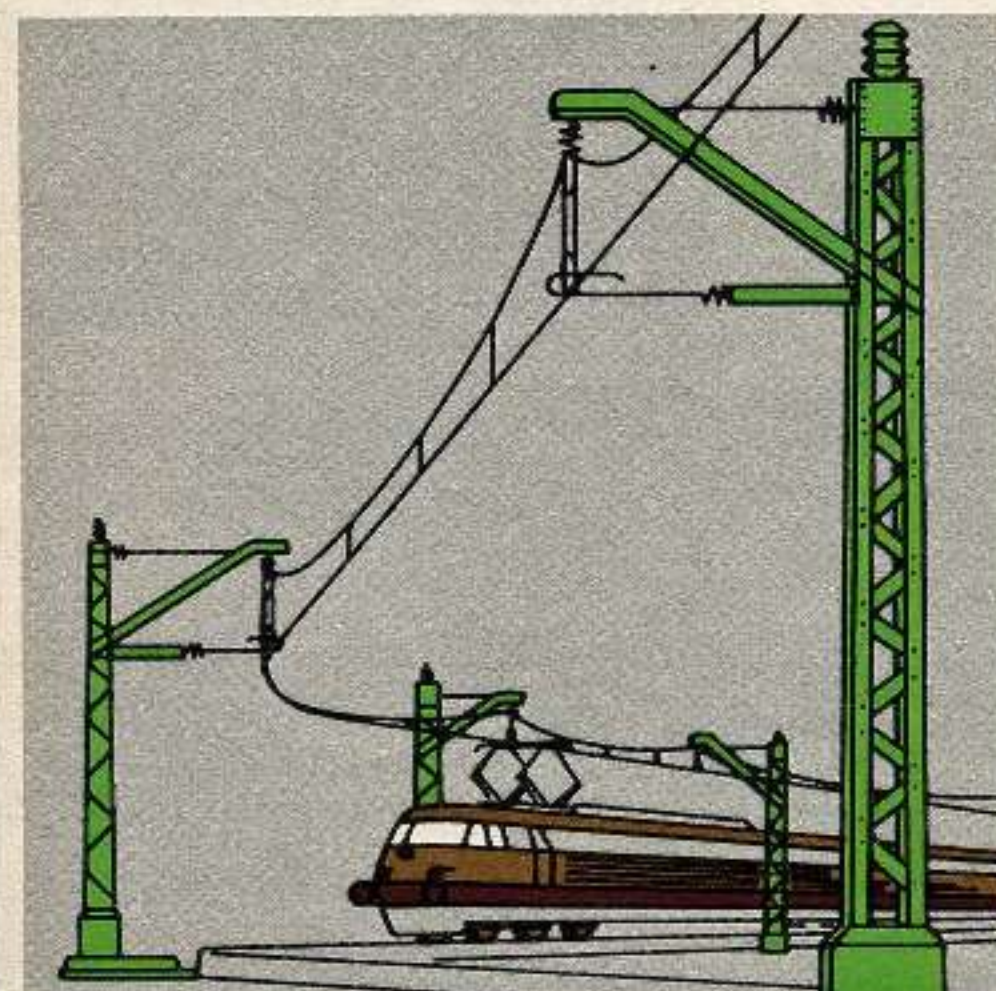
RELEX coupling

After uncoupling, the cars can be pushed for switching without the coupling re-engaging.



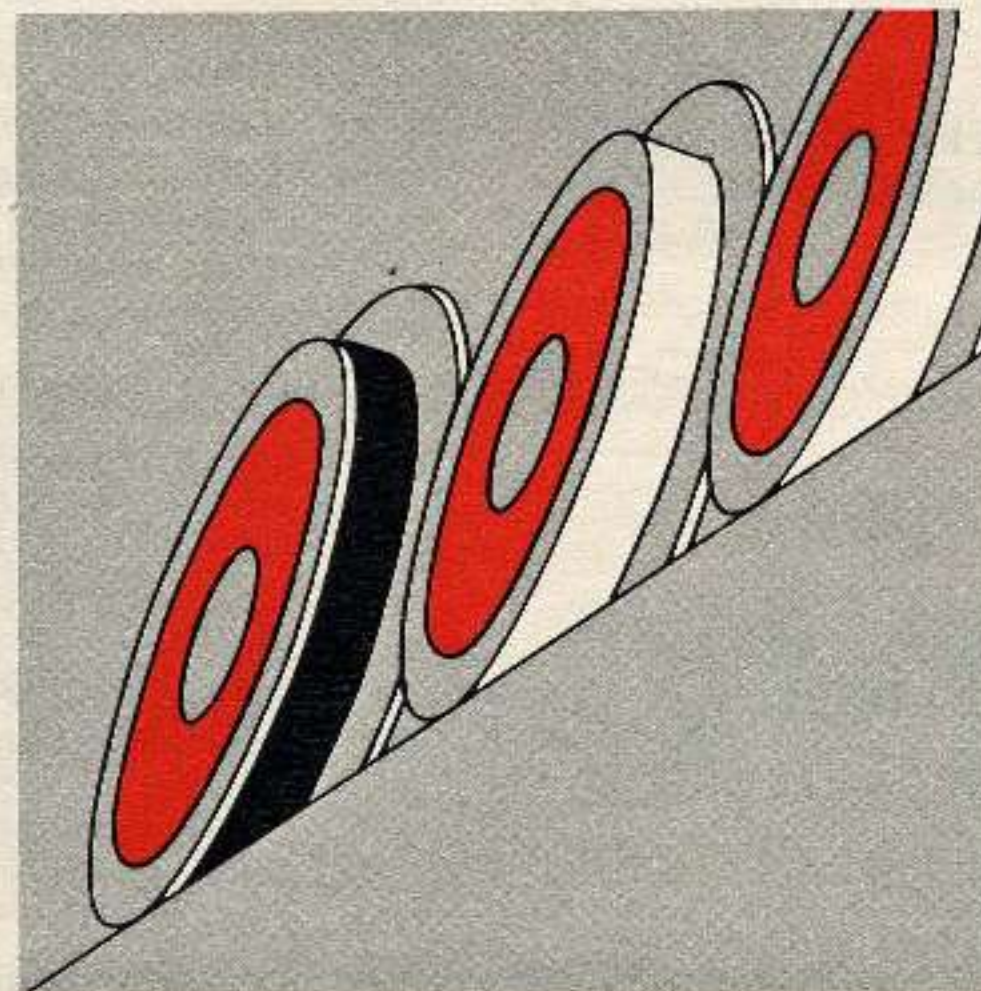
TELEX coupling

At any point in the layout uncoupling can be carried out by remote control from the transformer.



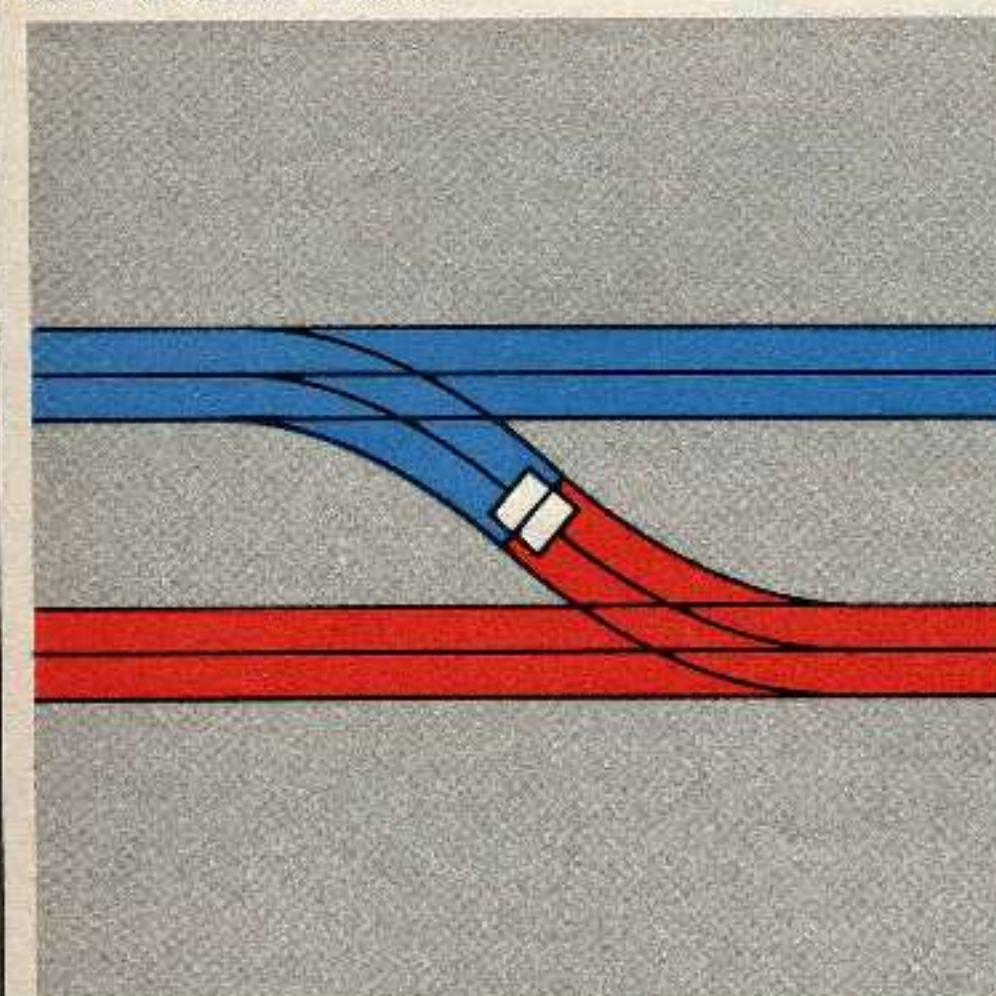
Catenary system

If the overhead conductor is wired up as a second circuit, two locomotives can be run independently of one another on the same track.



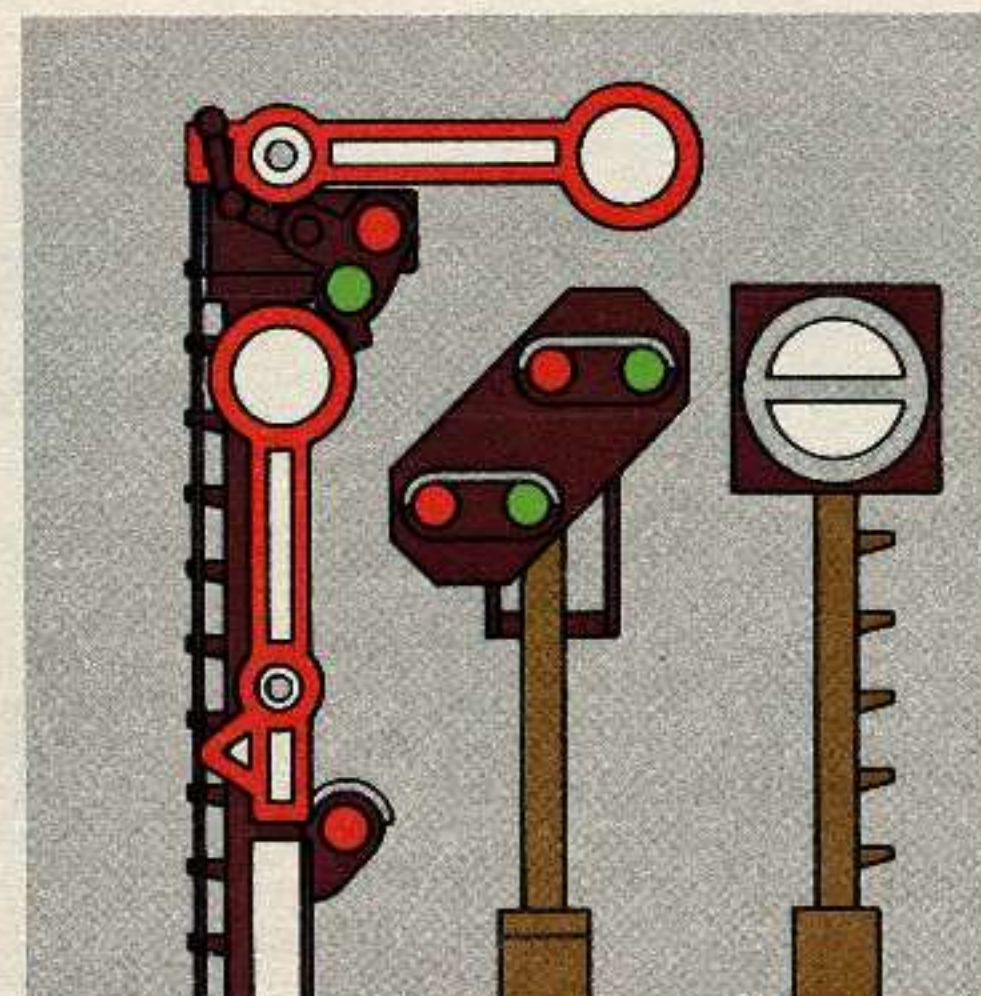
Rubber tires

used on every locomotive, increase the pulling power by improving the grip of the wheels on the rails.



Circuit isolation

by means of the center conductor insulator 5022 for metal tracks or the center conductor insulator 7522 for plastic tracks. Isolating track sections are not needed.



Signals

enable trains to be controlled fully automatically.

Interference suppression

All locomotives are fitted with radio suppressors. All train sets bear the official German anti-interference symbol. Incorporation of the feeder track section 5131 or 2192, or feeder mast 7201 or 7501, together with the exclusive use of Märklin items, which are matched as regards their suppression effect, and of the Märklin transformer stated, ensures that the statutory regulations on suppression will be complied with.

To make a start

Everything big starts by being small

Almost every large model railroad layout was once small. Never forget that. Particularly for children, to "start small" is always right and proper. With one of the basic sets you can make it considerably easier for yourself and your child to make a start on one of the most fascinating of hobbies. Each of the sets is complete with train, oval track and transformer with connections for supplying current to train and lights. Naturally it gives special pleasure if, right from the start, the trains can make a "long" run, and if cars can be switched. This can easily be done. All you need is:

Märklin SET-HO the extension pro- gram leading to the ideal HO layout

What you need to build on is a basic set S 2920-2929 or 2930-2939 (see p. 15). You can also start with sets 3200 or 3203 (see p. 16). Both these train sets have the same track sections as 2920-2929 or 2930-2939 but no transformer.



2920-29/S 2930-39/S

The next stage in the build-up is the extension set E 5190 or 5191. By then you have quite a good-looking HO layout with which there are many things you can do.



5190/E



5191/E

The next stage in the extension depends on what you prefer. If you would like a double track circle then T 1 (5192) can be considered while if you would like to add a station we would recommend T 2 (5193). If however you would like to carry out switching, then T 3 (5194) is the right one.

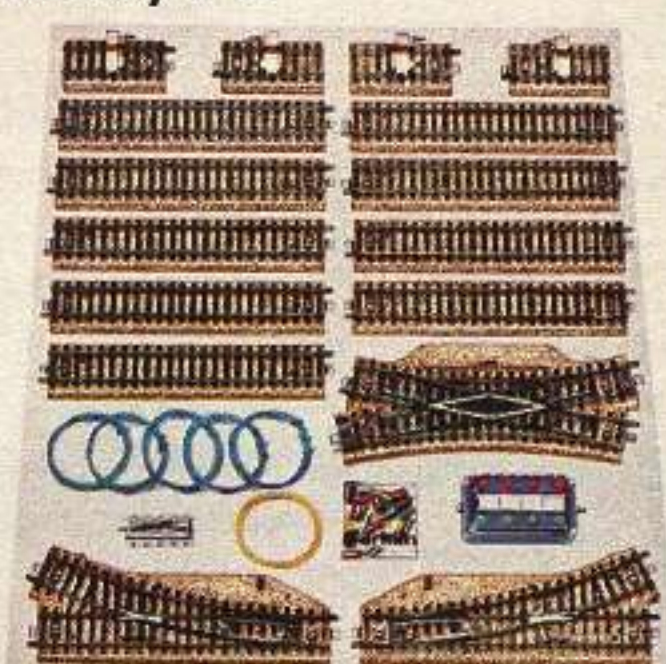
The very best however is T 1 + T 2 + T 3. You would then have the ideal HO layout. (Please also compare with the "SET family tree".)



5192/T 1



5193/T 2

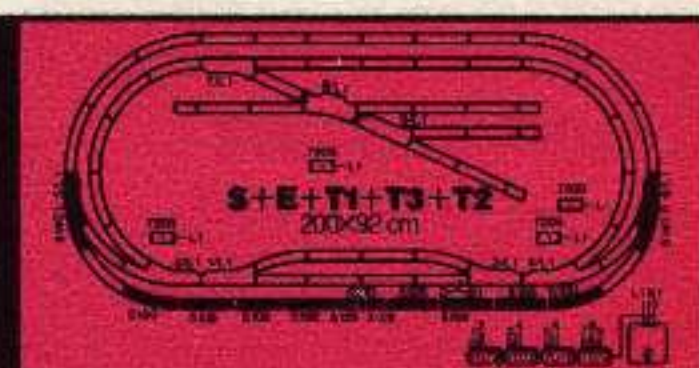
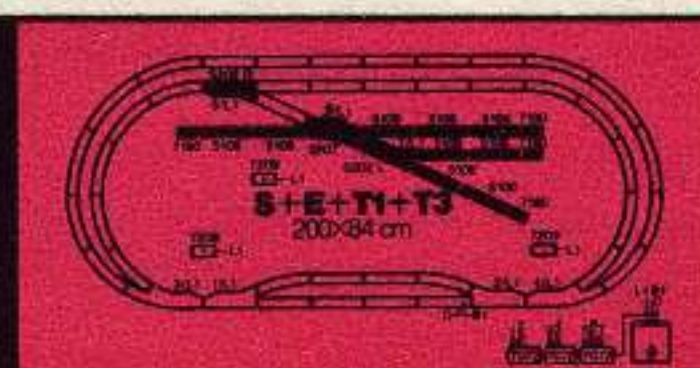
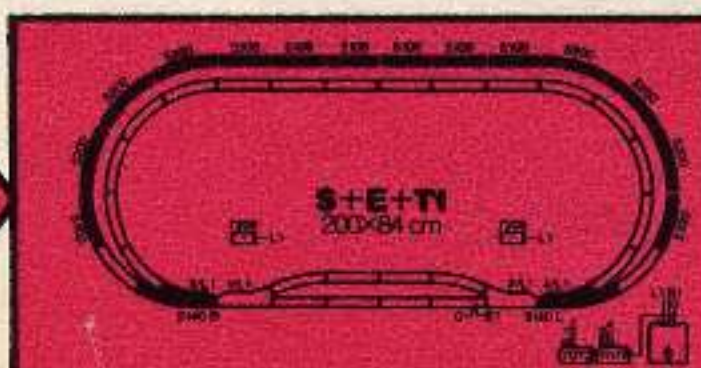
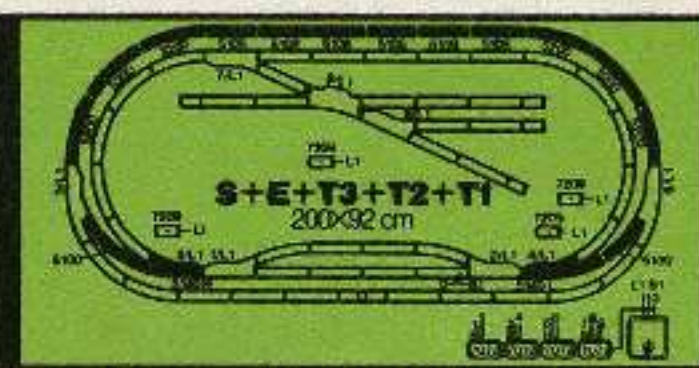
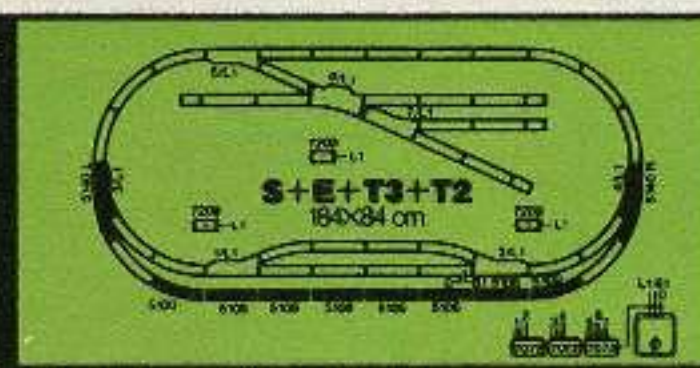
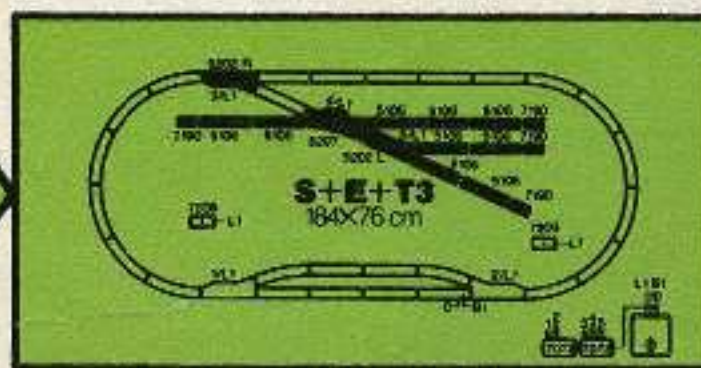
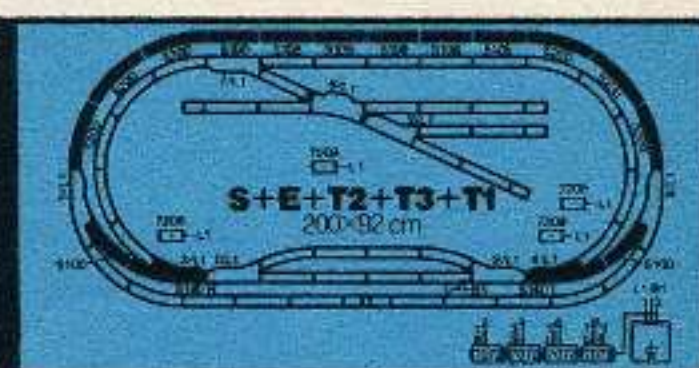
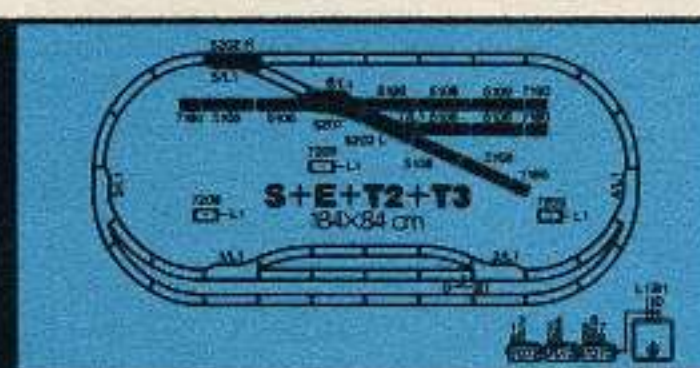
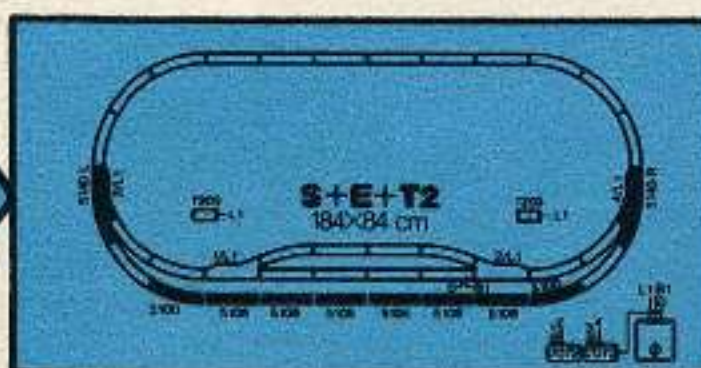
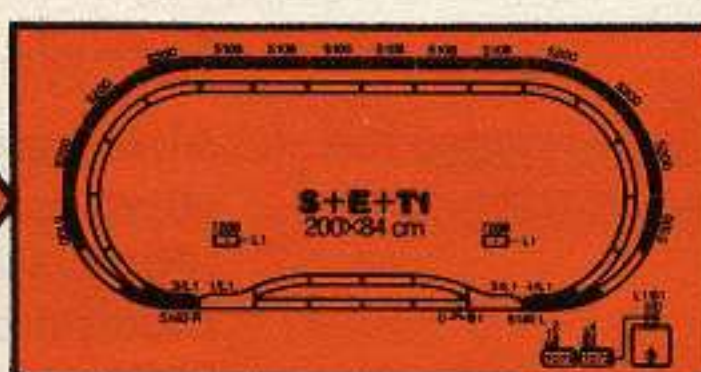
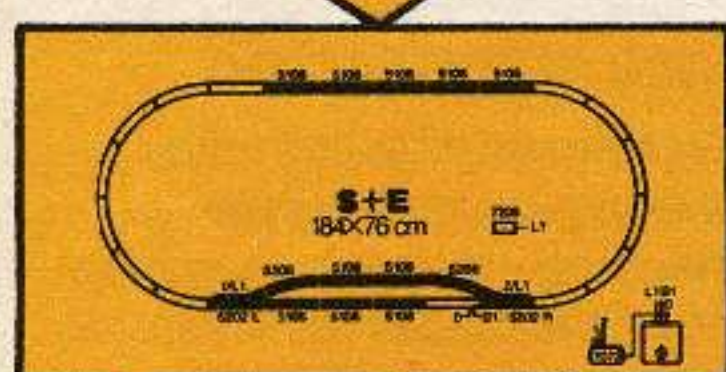


5194/T 3

SET-HO

Building up to the ideal HO layout by means of the Märklin extension program SET-HO, is just as simple as that.

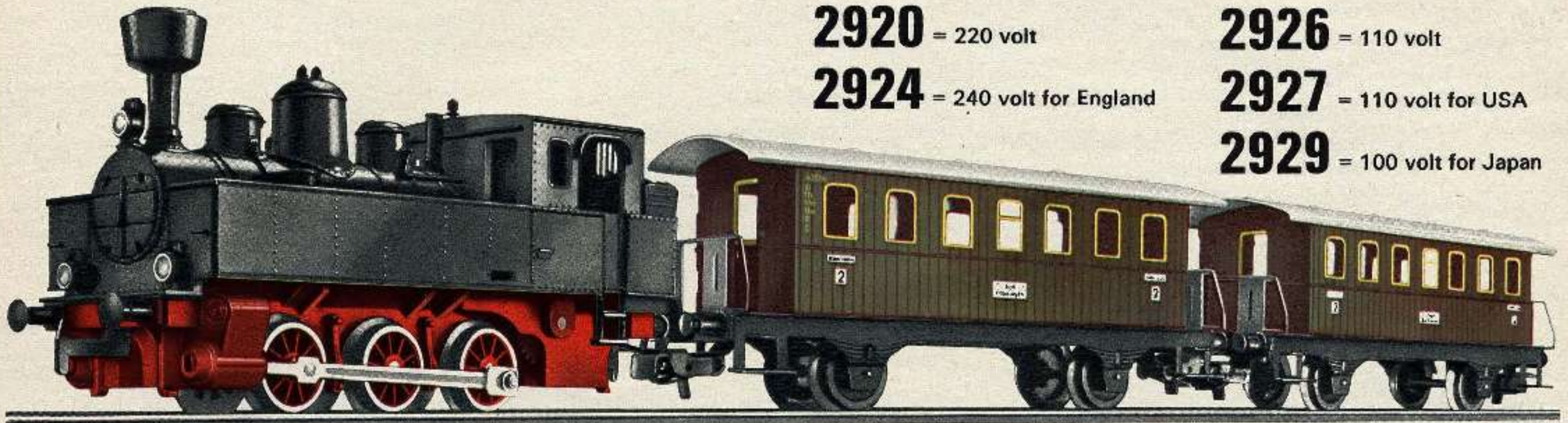
And to add the finishing touch, well, you had better read the details of this and other things on pages 52 and 53, and also on pages 50 and 51.



...and the railroad works
right away

Märklin HO

Basic sets in gift boxes



2920 = 220 volt

2924 = 240 volt for England

2926 = 110 volt

2927 = 110 volt for USA

2929 = 100 volt for Japan

All train sets on this page have oval track and transformer with track and lighting connections. Full extension capability.

Passenger train with transformer

Comprising tank locomotive, 2 passenger cars, 12 curved track sections 5100, 1 straight track section 5106, 1 feeder track section 5131 with built-in capacitor to suppress radio interference and 1 transformer. Length of train 13 1/4"

M

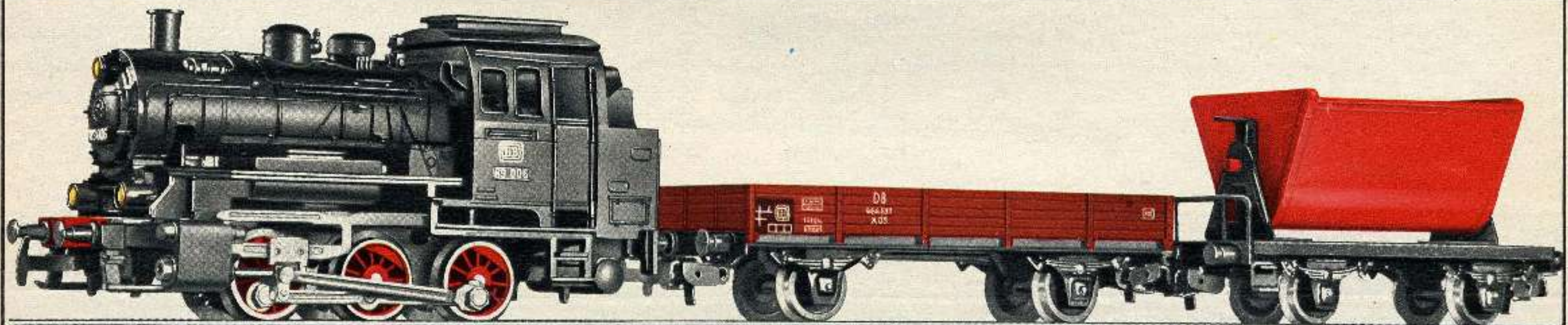
The transformers included in these train sets, like all Märklin railroad transformers, have connections for the track and for lighting or solenoid-operated items, and in addition will supply an overvoltage to reverse the locomotives. Bigger locomotives too, or additional signals or turnouts, can be operated by means of these transformers, which switch themselves off if they are overloaded or if their temperature rises too much.

Connect the transformers only to an AC power supply



The transformers of these basic sets are not available on their own.

S



2930 = 220 volt

2934 = 240 volt for England

2936 = 110 volt

2937 = 110 volt for USA

2939 = 100 volt for Japan

M

Freight train with transformer

Comprising locomotive 3000, 2 freight cars, 12 curved track sections 5100, 1 straight track section 5106, 1 feeder track section 5131 with built-in capacitor to suppress radio interference and 1 transformer. Length of train 12 1/4"

For enlarging the basic sets 2920-2929 and 2930-2939, we recommend Märklin SET-HO, for building up to the ideal HO layout using the items E (5190, 5191,) T 1 (5192), T 2 (5193) and T 3 (5194). Detailed descriptions are given on pages 52 and 53 particularly, but also on pages 50 and 51.

S



Train sets in gift boxes

**Train sets
without transformer,
with oval track —
full extension capability**

3200

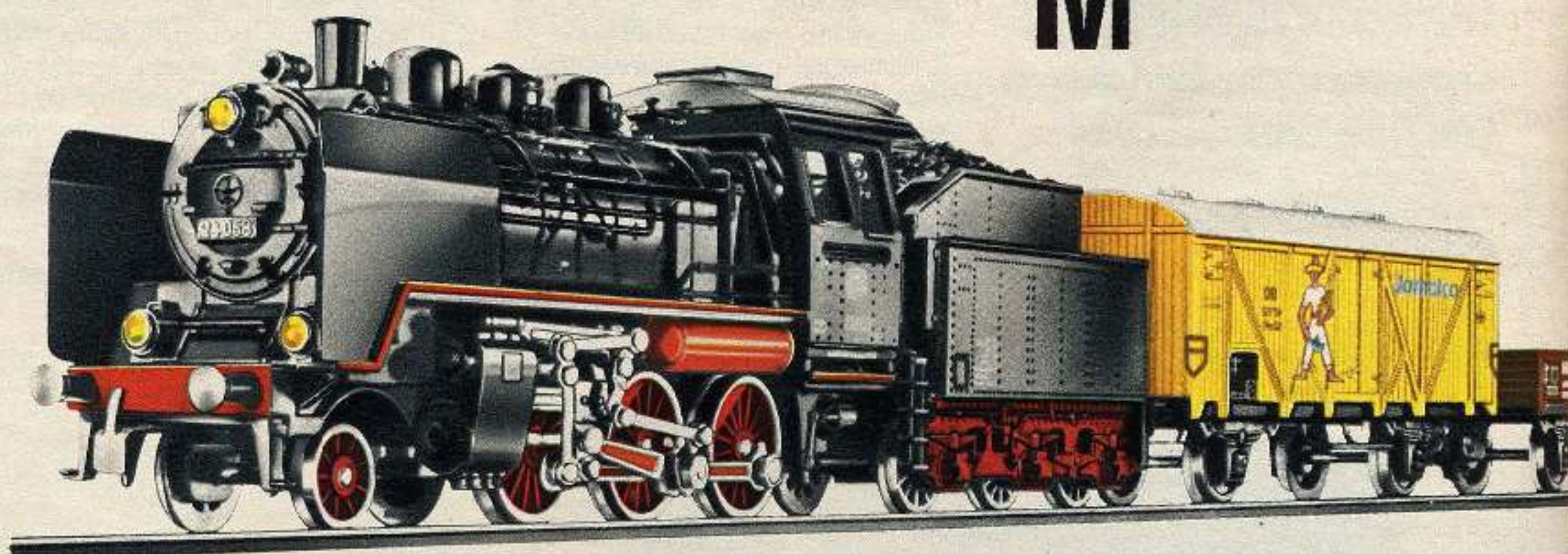
**Freight train
(without transformer)**
Consisting of locomotive 3000, 3
freight cars, 12 curved track sections
5100, 1 straight track section 5106
and 1 feeder track section 5131
with built-in suppressor device ·
Length of train 16½"



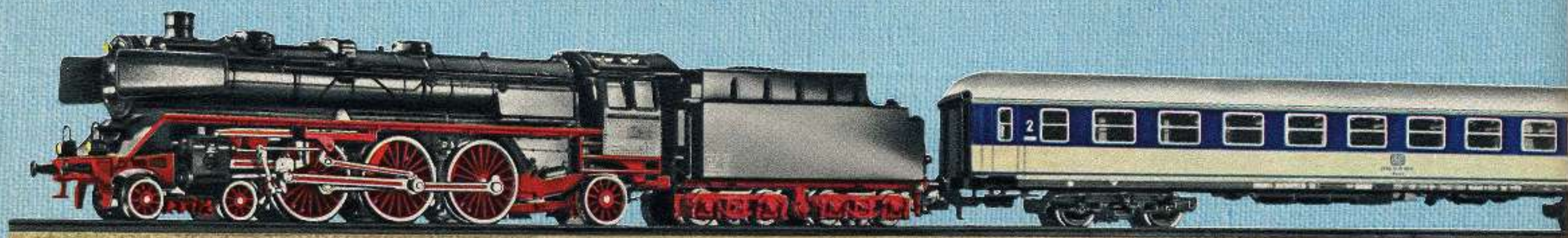
M

3203

**Freight train
(without transformer)**
Consisting of locomotive 3003, 3
freight cars, 12 curved track sections
5100, 1 straight track section 5106
and 1 feeder track section 5131
with built-in suppressor · Length of
train 21"



M



M

3185

**Express train with turnouts
(without transformer)**
Consisting of express locomotive
3085, 1 each passenger cars 4092,
4093 and 4094, 12 curved track

sections 5100, 18 straight track
sections 5106, 1 straight track sec-
tion 5108, 1 feeder track section
5131 with built-in suppressor, 1 pair
of solenoid-operated turnouts 5117,
1 control panel 7072 and 4 leads ·
Length of train 44"

For enlarging the train sets 3122
and 3185 we recommend that
you consult the publications
0321 and 0391 "HO Track Lay-
outs for M Tracks" (see p. 68).



M

3122

**Express train
(without transformer)**
Consisting of diesel locomotive
3021, 2 express passenger cars with

interior fittings, 1 express baggage
car, 12 curved track sections 5100,
5 straight track sections 5106 and
1 feeder track section 5131 with
built-in suppressor · Length of
train 38"

...and so simple to choose

MärklinHO

Train sets in gift boxes



For enlarging the train sets 3200 and 3203, we recommend Märklin SET-HO, for building up to the ideal HO layout, using items E (5190, 5191), T 1 (5192), T 2 (5193) and T 3 (5194). Detailed descriptions are given on pages 50, 51 and 52.



Gift Boxes – A good idea

These bigger train sets not only have more cars and more track, they also have the advantage of being just as suitable for giving away as presents as for buying for oneself. What a good way to start on a bigger scale for example. The only extra purchase needed is one of the transformers on page 67, and the set is immediately ready to run.

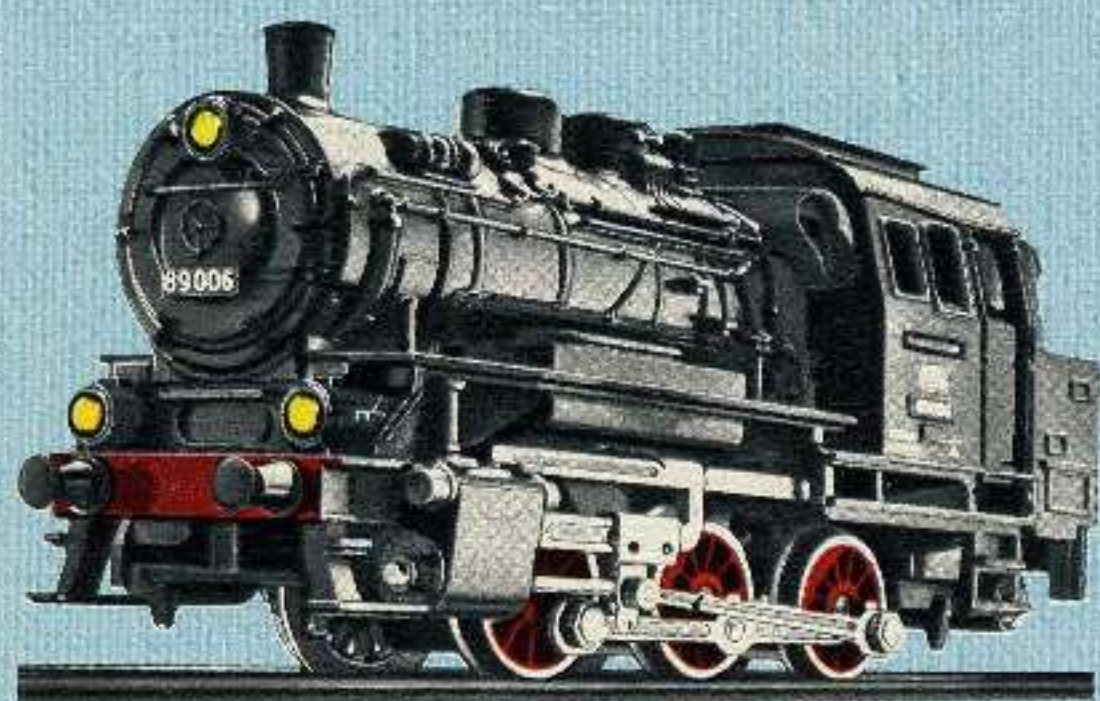


**Train sets
without transformer,
with oval track –
full extension capability**



Steam locomotives

The history of railroads comes alive...

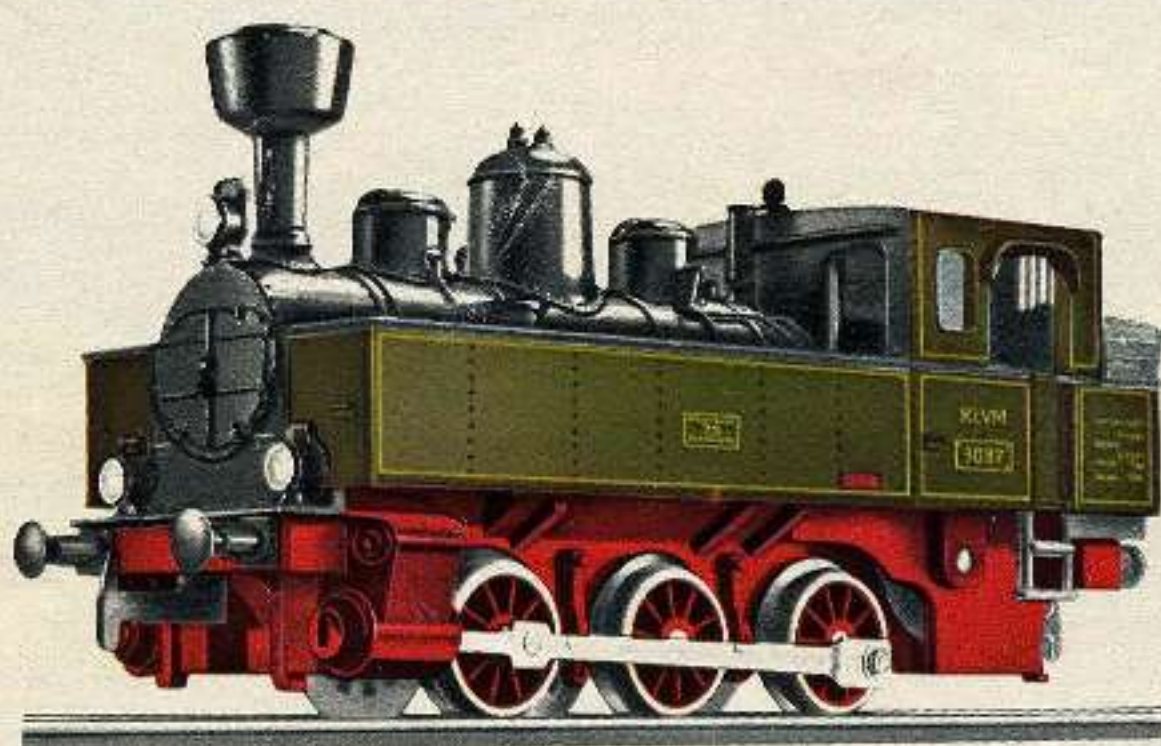


Tank locomotive 3000

Tank locomotive · A model of the 0-6-0 Class 89 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights · Mat black plastic body · Die cast zinc frame · Coupling hook at each end · 4 1/4" long over buffers

⓪ = 7154 Ⓜ = 7185 Ⓜ = 60010

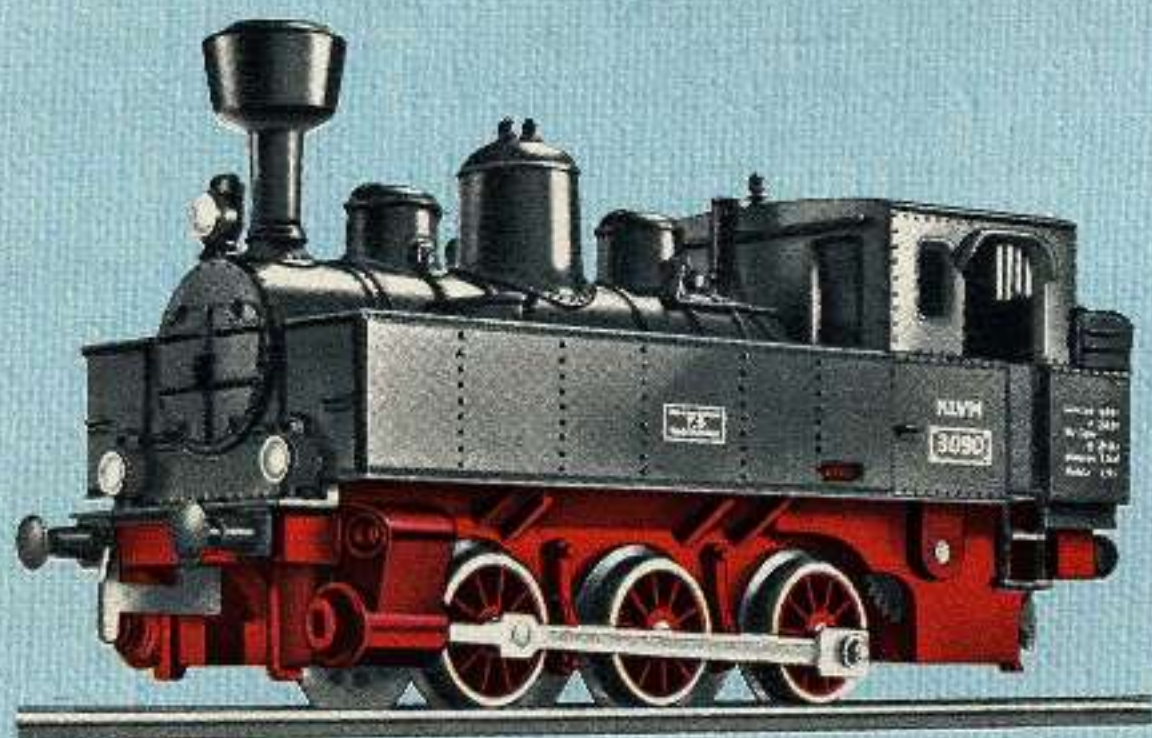
Because of the many uses to which they can be put for passenger and freight train service and especially for work in switching yards, their design and the ease with which they can be put on the track, many people favor these tank locomotives. Their ability to stay on curves at high speed and to pull heavy loads and their attractive appearance are special advantages of these models.



Tank locomotive 3087

Tank locomotive modelled on a 0-6-0 type locomotive used on secondary lines · 1 driven axle · 2 rubber tires to increase pulling power · Mat black plastic body · Die cast zinc frame · Coupling hook at each end · 4 1/4" long over buffers

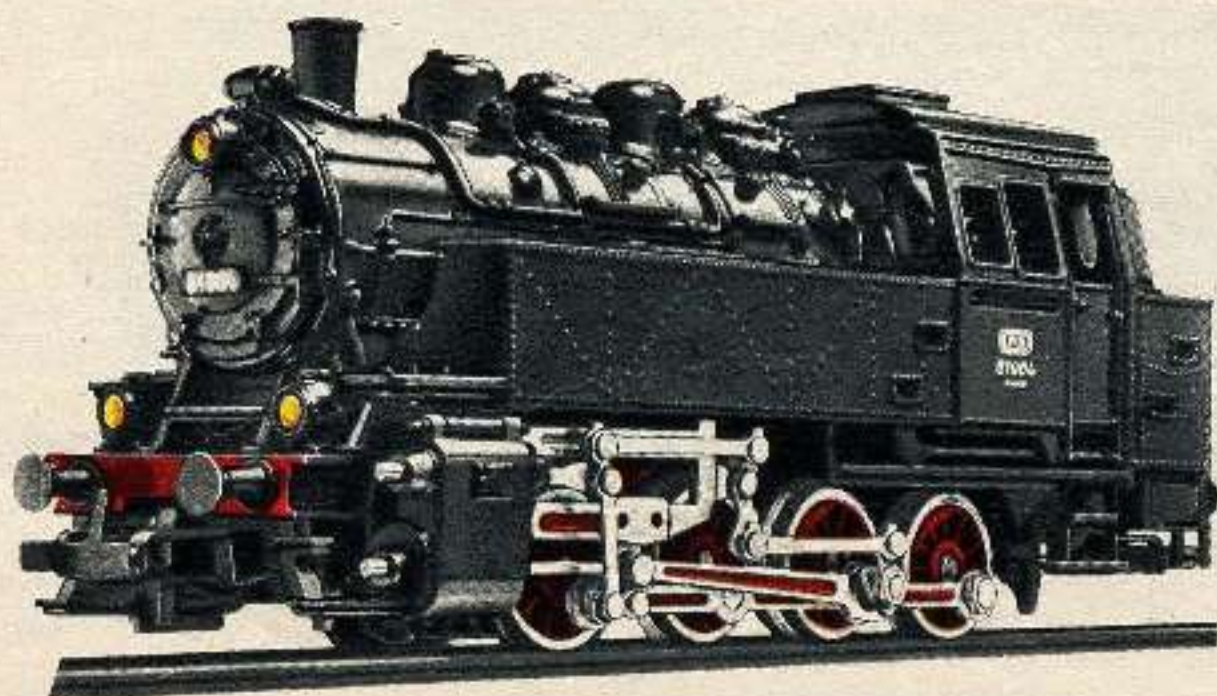
⓪ = 7154 Ⓜ = 7185



Tank locomotive 3090

Tank locomotive modelled on a 0-6-0 type locomotive used on secondary lines · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Mat black body · Die cast zinc frame · Coupling hook at each end · 4 1/4" long over buffers

⓪ = 7154 Ⓜ = 7185



Tank locomotive with Märklin TELEX coupling 3031

Tank locomotive · A model of the 0-8-0 Class 81 locomotive on the German Federal Railways · 4 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger reversing gear · Reversing by remote control · Three working headlights · Mat black metal body · Die cast zinc frame · Märklin TELEX coupling at each end · 5" long over buffers

⓪ = 7154 Ⓜ = 7185 Ⓜ = 60010

The Märklin TELEX coupling enables the train to be uncoupled from the engine and also coupled up to it again at any desired point on the system, by remote control from the transformer, without any additional accessories being necessary.

The following locomotives are equipped with Märklin TELEX couplings: 3031, 3065 and 3096.

...through the accurate Märklin models

Märklin HO

Steam locomotives



"BR 74" A very desirable Märklin model

The first of these superheated steam tank locomotives was put into service by the Berlin State Railways Directorate in 1902. They proved so successful that hundreds of engines of this type were used for suburban passenger services right up to the time when the Berlin Circle, Metropolitan and suburban lines were electrified in the nineteen-twenties. Over the years nearly 1000 of these very reliable engines were built. When they were no longer required in Berlin they were allotted to numerous centres for use on short distance passenger services. Their length was 38 ft. 8 in. to 39 ft. 8 in. Weighing approximately 70 tons in working order, they could reach a speed of 50 miles an hour running either forward or backwards.

3095

Tank locomotive · A model of the German Federal Railways' 2-6-0 Class 74 engine · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger reversing gear · Reversing by remote control · Three working headlights · Mat black plastic body · Die cast zinc frame · Coupling hook with advance uncoupler at the front, automatic coupling with advance uncoupler (RELEX) at rear · 5 1/4" long over buffers

0 = 7153 1 = 7185 2 = 60010



"BR 86" Standard locomotive used on the German Federal Railways, with Märklin TELEX coupling

The standard Class 86 locomotive was developed for freight and passenger service on busy secondary lines. The number of engines of this type used by the former German State Railways reached the respectable total of 774. The German Federal Railways took over 385 of them, but only a few are still in service. Some of them were equipped with Krauss-Helmholtz frames which increased their speed from about 45 up to 50 miles an hour. The length of these locomotives is 46 ft. 6 in. With a weight of 88.5 tons in working order, the maximum axle load is 15.6 tons.

3096

Tank locomotive · A model of the Class 86 2-8-2 locomotive of the German Federal Railways · 4 driven axles · 2 rubber tires for increased pulling power · Simulated Heusinger reversing gear · Reversing by remote control · Three working headlights at each end · Fully detailed black plastic body with many extras mounted · Die cast zinc frame · Märklin TELEX coupling at each end · 6 1/4" long over buffers

0 = 7153 1 = 7164 2 = 60015

8396

HAMO

The same model as 3096, but for two-rail D. C. operation (see page 23) and without TELEX coupling



Steam locomotives

Mixed traffic steam locomotive

3003

Passenger locomotive with tender • A model of the German Federal Railways' 2-6-0 Class 24 engine • 3 driven axles • 2 rubber tires for increased pulling power • Simulated Heusinger reversing gear • Reversing by remote control • Three working headlights • Mat black plastic body • Die cast zinc frame • Coupling hook in front and automatic coupling with advance uncoupler (RELEX) on the tender • 8" long over buffers

⊙ = 7153 ⊞ = 7185 ⊙ = 60010



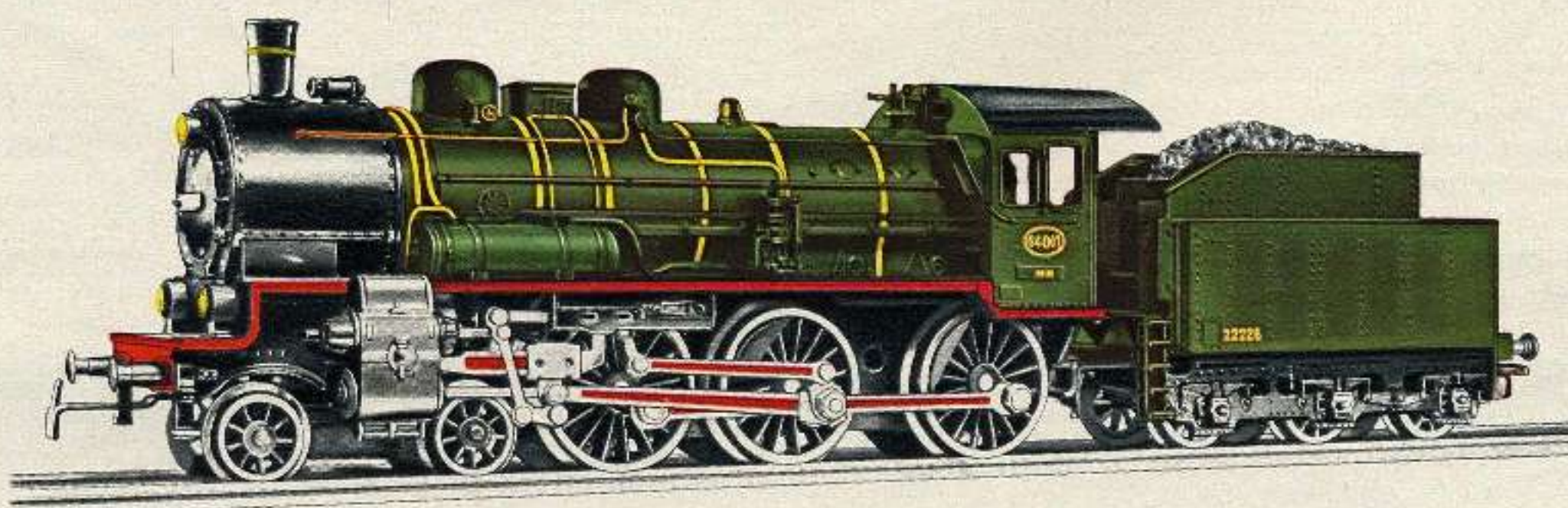
The standard Class 24 locomotive was used on the German Federal Railways for passenger and freight services, its maximum speed being 56 miles an hour.

Belgian State Railways locomotive with tender

3086

Locomotive with tender • A model of the Belgian State Railways' (SNCB) Class 64 4-6-0 locomotive • 3 driven axles • 2 rubber tires to increase pulling power • Simulated Heusinger valve gear • Reversing by remote control • Three working headlights • Green metal body with bronze-colored boiler rings and external piping • Die cast zinc frame • Coupling hook at front, automatic coupling with advance uncoupler (RELEX) on tender • 8½" long over buffers

⊙ = 7152 ⊞ = 7185 ⊙ = 60015

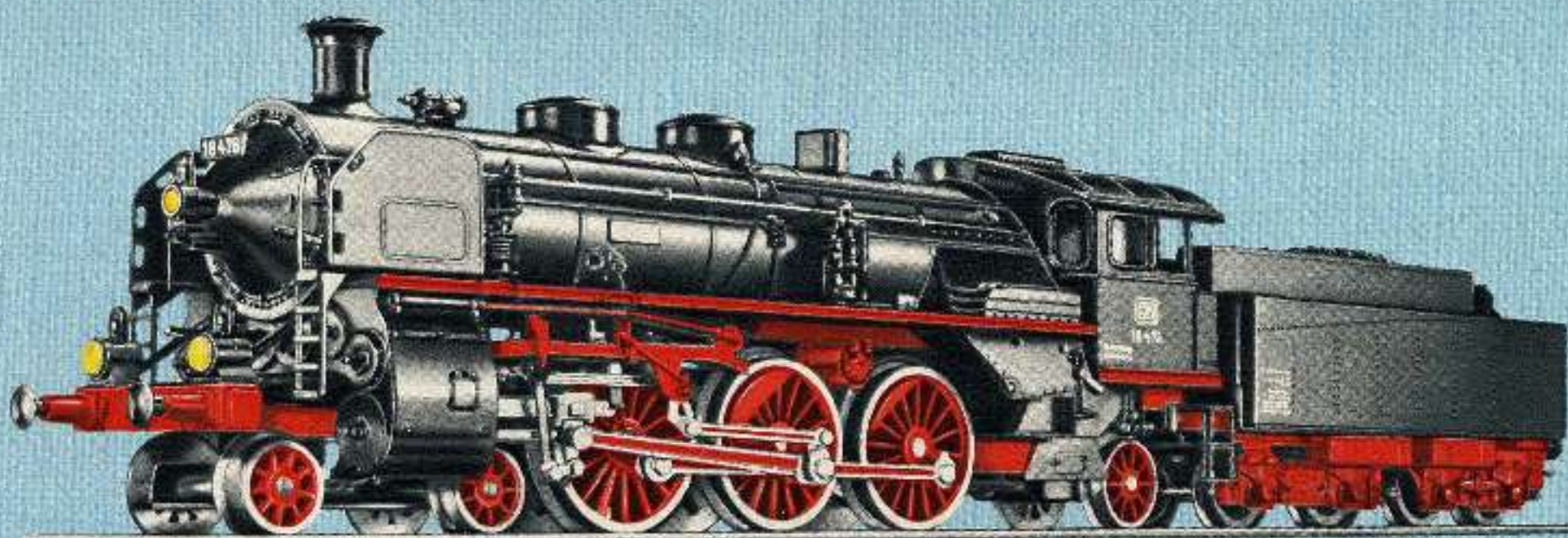


"BR 18" Express locomotive

3093

Express locomotive with tender • A model of the 4-6-2 Class 18⁴ German Federal Railways' locomotive (Bavarian S 3/6 series i) • 3 driven axles • 2 rubber tires to increase pulling power • Simulated Heusinger valve gear • Reversing by remote control • Three working headlights • Mat black metal body • Fully detailed valves and fittings • Die cast zinc frame • Automatic coupling with advance uncoupler (RELEX) • 9½" long over buffers • Arranged to take the smoke unit accessory 7227 (see p. 64)

⊙ = 7152 ⊞ = 7185 ⊙ = 60015



Connoisseurs regard the Bavarian S 3/6 Class locomotives with their powerful cylinder group, clearly arranged underframe, fairings and characteristic flared smoke stack, as the finest of all steam locomotives. The S 3/6's, whose designation was later changed to Class 18⁴ by the German State Railways, were often used to pull international expresses,

including the famous "Rheingold", not only because of their appearance but also because of their excellent performance. They reached a maximum speed of 75 mph with a weight in working order of 92.3 tons. They were just over 69 feet long over the buffers. The last engine of this class, No. 18478, was taken out of service in July 1960.

8393

HAMO

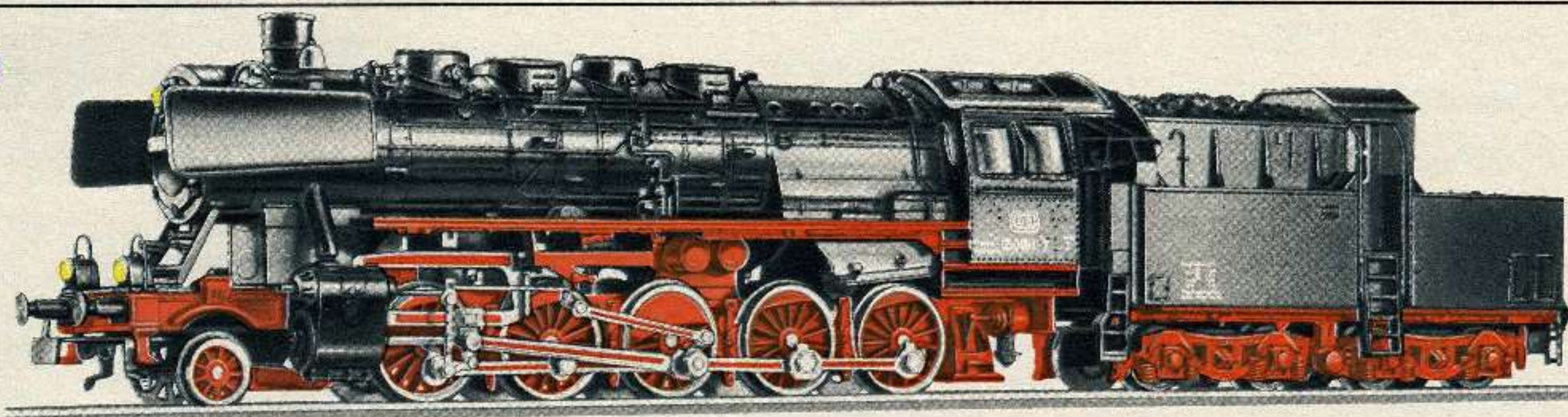
The same model as 3093, but for two-rail DC operation (see p. 23)

...and Märklin reproduces them
with affection

Märklin HO

Steam locomotives

NEW



Heavy freight locomotive with cab tender

3084

Heavy freight locomotive with cab tender · A model of the German Federal Railways' Class 050 2-10-0

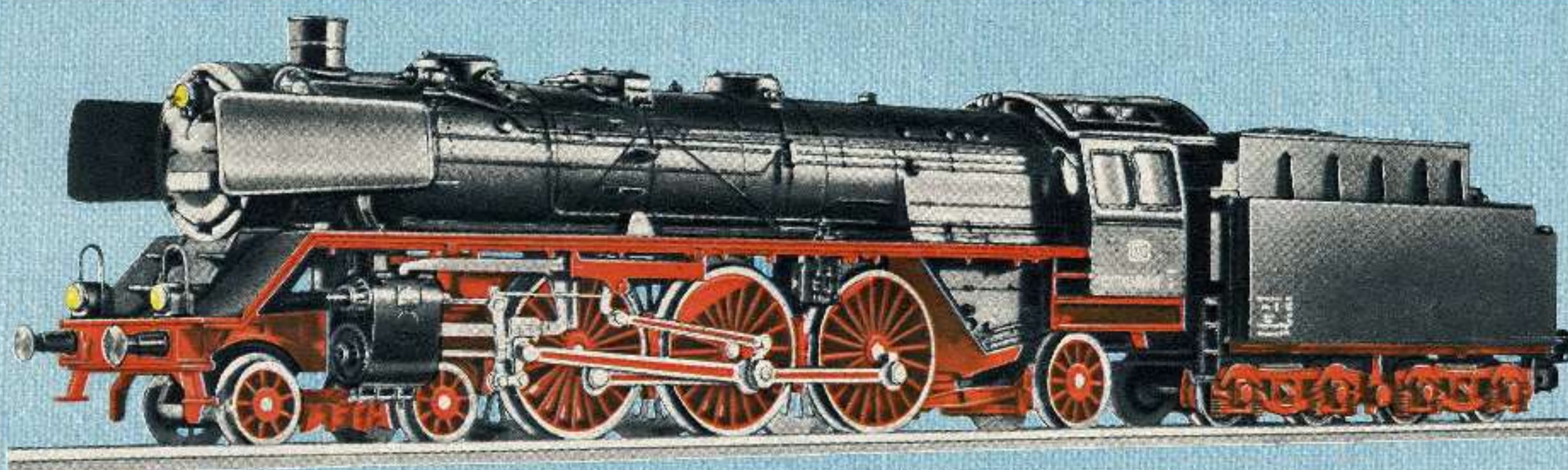
locomotive · 5 axles driven by concealed gears · 4 rubber tires to increase pulling power · To obtain easy running on curves, the frame is divided into two groups of driving wheels flexible coupled together · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Mat black body with fine detailing · Die cast zinc frame · Coupling hook at front, automatic coupling with advance

uncoupler (RELEX) on tender · 10" long over buffers · **The locomotive is arranged to take the smoke unit 7226 (see p. 64)**

⊙ = 7153 ⊞ = 7164 ⊕ = 60015

Because of its low axle load of only 15 t, this freight locomotive, now known as Class 050, is able also to be used on branch lines. Over 3000 of

them were built, nearly all the European locomotive works building some of them. In the sixties, an engineer's cab was incorporated in the tender of most of them which were still in service. Their range of application was thereby increased. The maximum speed is 50 mph, 1625 HP being developed. Length over buffers, 74 feet.



German Federal Railways' "BR 003" express locomotive

3085

Express locomotive with tender · A model of the German Federal Railways' Class 003 4-6-2 locomotive · 3 axles driven by concealed

gears · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Very finely detailed mat black metal body · Die cast zinc frame · Automatic coupling with advance uncoupler (RELEX) on the tender · 10 1/4" long over buffers · **The locomotive is arranged to take the smoke unit 7226 (see p. 64)**

⊙ = 7152 ⊞ = 7164 ⊕ = 60015

NEW

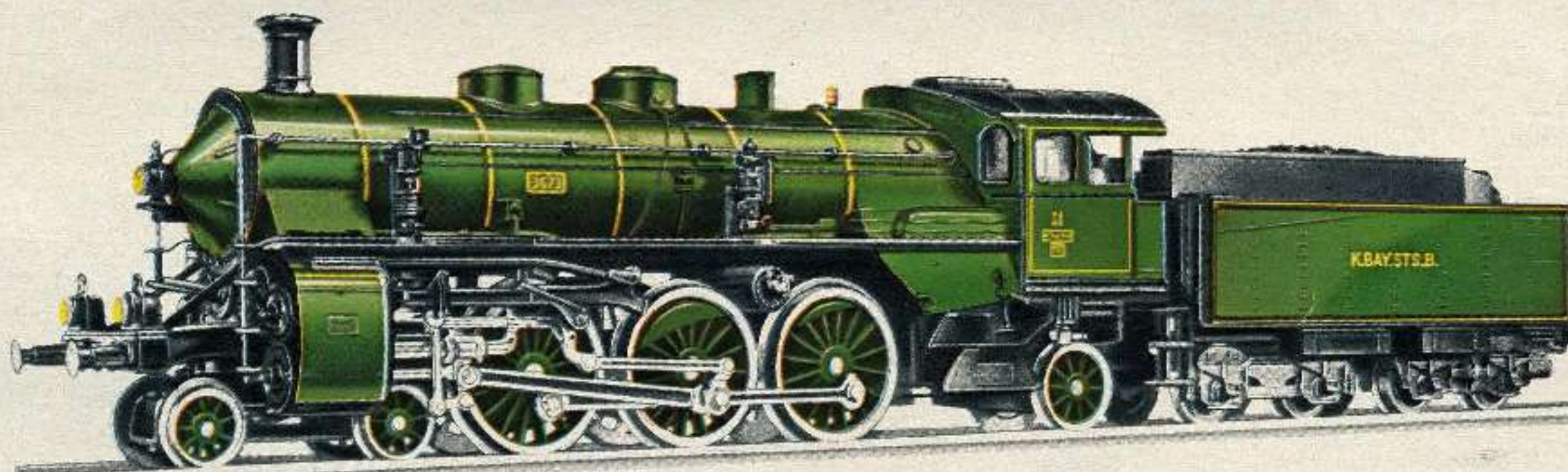
8385

The same model as 3085, but for two-rail DC operation (see p. 23)

HAMO

The former German State Railways used about 300 locomotives of the Class 03 (now called Class 003) as a somewhat lighter variant of Class 01, for pulling express trains on tracks which were not approved for axle loads of 20 t. They developed 1980 HP, giving a top speed of 80 mph. Coupled to the tender T 32, the overall length over the buffers was 78 feet.

NEW



3092

Express locomotive with tender "S 3/6"

Express locomotive with tender · A model of the former Royal Bavarian Railways' Class S 3/6, series I 4-6-2 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by

remote control · Three working headlights · Dark green metal body with yellow boiler rings · Fairings at the engineer's cab · Very fine detailing of valves and fittings · Die cast zinc frame · Automatic coupling with advance uncoupler (RELEX) on



the tender · 9 1/4" long over buffers · **Arranged to take the smoke unit 7227 (see p. 64)**

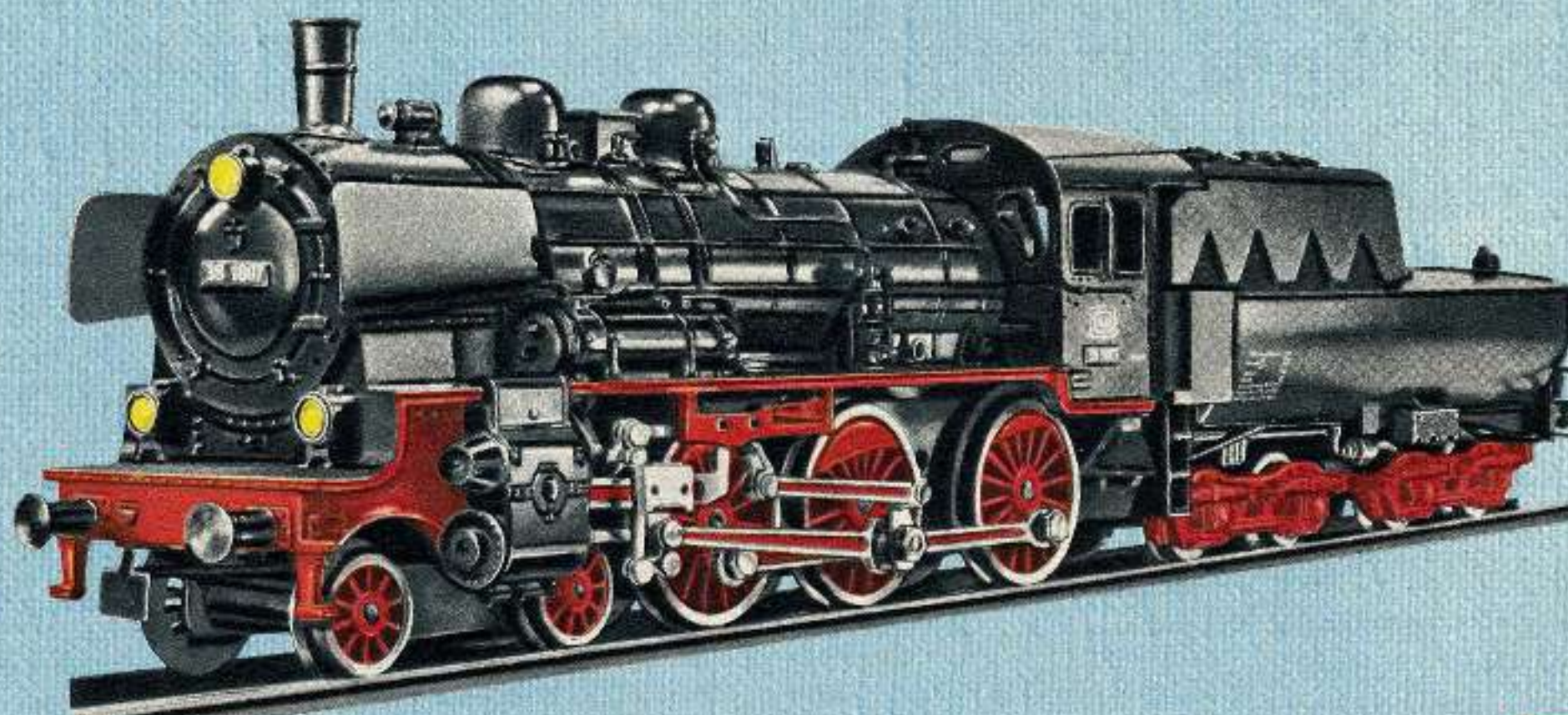
⊙ = 7152 ⊞ = 7185 ⊕ = 60015

Steam locomotives

The handsome "P 8" as a Märklin model 3098

Locomotive with tender · A model of the German Federal Railways' Class 38 4-6-0 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Mat black metal body with detailed simulation of the valves and fittings on the boiler and in the engineer's cab · Die cast zinc frame · Trough shaped tender with two bogies · Coupling hook at front, automatic coupling with advance uncoupler (RELEX) on tender · 9 3/4" long over buffers

0 = 7152  = 7185  = 60015



The P 8 was built in Berlin by Schwarzkopff as far back as 1906 and it was used by the Prussian State Railways for local and express services. Because of its reliability, it remained one of the preferred types of locomotives for many years in

some of the regions in spite of being approved for a maximum speed of 63 mph only. Altogether 3800 of these locomotives were built by a number of different firms. A few of them are still running on the Federal Railways' tracks.



8398

HAMO

The same model as 3098, but for two-rail DC operation (see p. 23)

Streamlined express locomotive "03¹⁰" 3094

Streamlined express locomotive with tender · A model of the 4-6-2 Class 03¹⁰ locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · 2 working headlights · Mat black streamlined body with silver stripes · Fully detailed simulation of the cab and boiler valves and fittings · Die cast zinc frame · Automatic coupling with advance uncoupler (RELEX) on tender · 10 3/4" long over buffers

0 = 7152  = 7185  = 60015



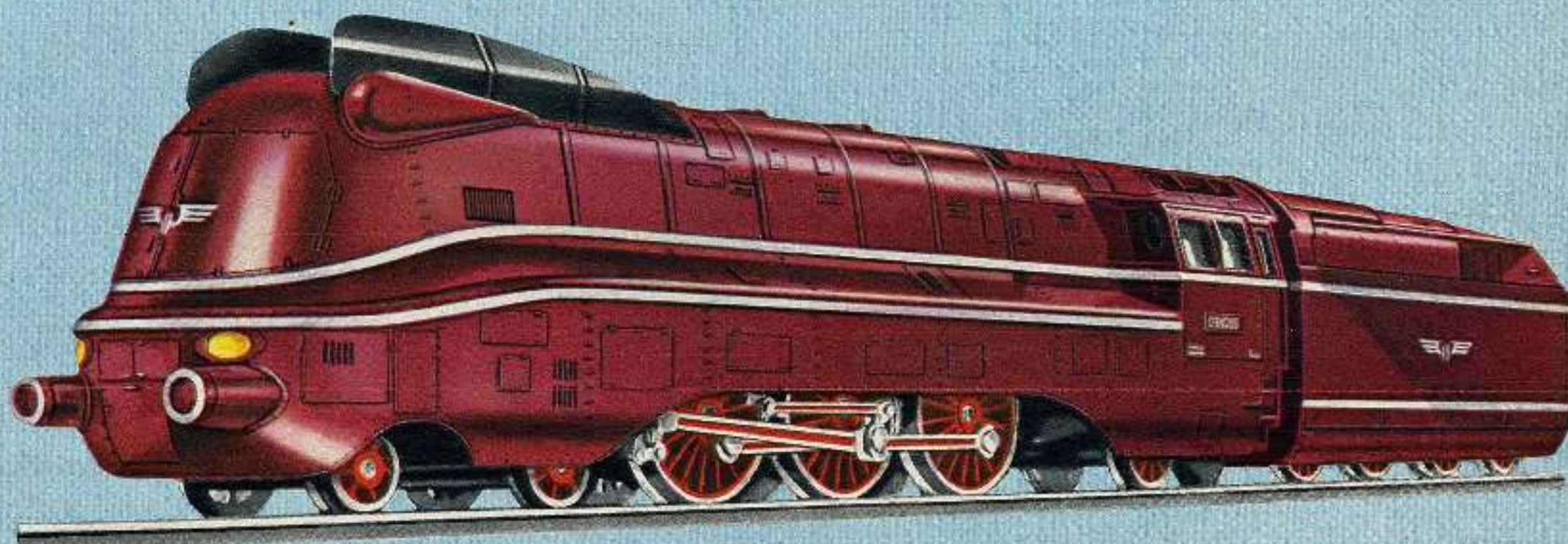
After streamlined fairings had proved themselves on other locomotives by reducing the wind resistance at high speeds, the Class 03¹⁰ locomotives with three-cylinder engines were put into service with streamlined fairings

in 1937. For easier maintenance however the driving gear was left uncovered. This class was developed as a lighter version of the Class 01, with an original axle load of 17 tons and a top speed of 85 mph.

"03¹⁰" - Dark red finish 3089

Streamlined express locomotive with tender · The same model as 3094, but with dark red streamlined body with silver stripes · Black wind deflectors

0 = 7152  = 7185  = 60015



Information

HAMO

HAMO locomotives for two-conductor DC operation are fitted with permanent magnet motors. Reversal of direction is effected by reversing the polarity of the traction current. On electric locomotive types, the headlights change ends on reversing.

These models can be operated on any tracks conforming to NEM Standards. A replacement set of couplings is supplied with each locomotive to enable rolling stock of other makes to be coupled up. HAMO locomotives are made by Märklin.

Accessories for Märklin HO locomotives, see p. 64
Pantographs
Pairs of carbon brushes
Oil bottles
Smoke oil
Reverser unit
springs
Rubber tires
Current pick-up shoes
Light bulbs

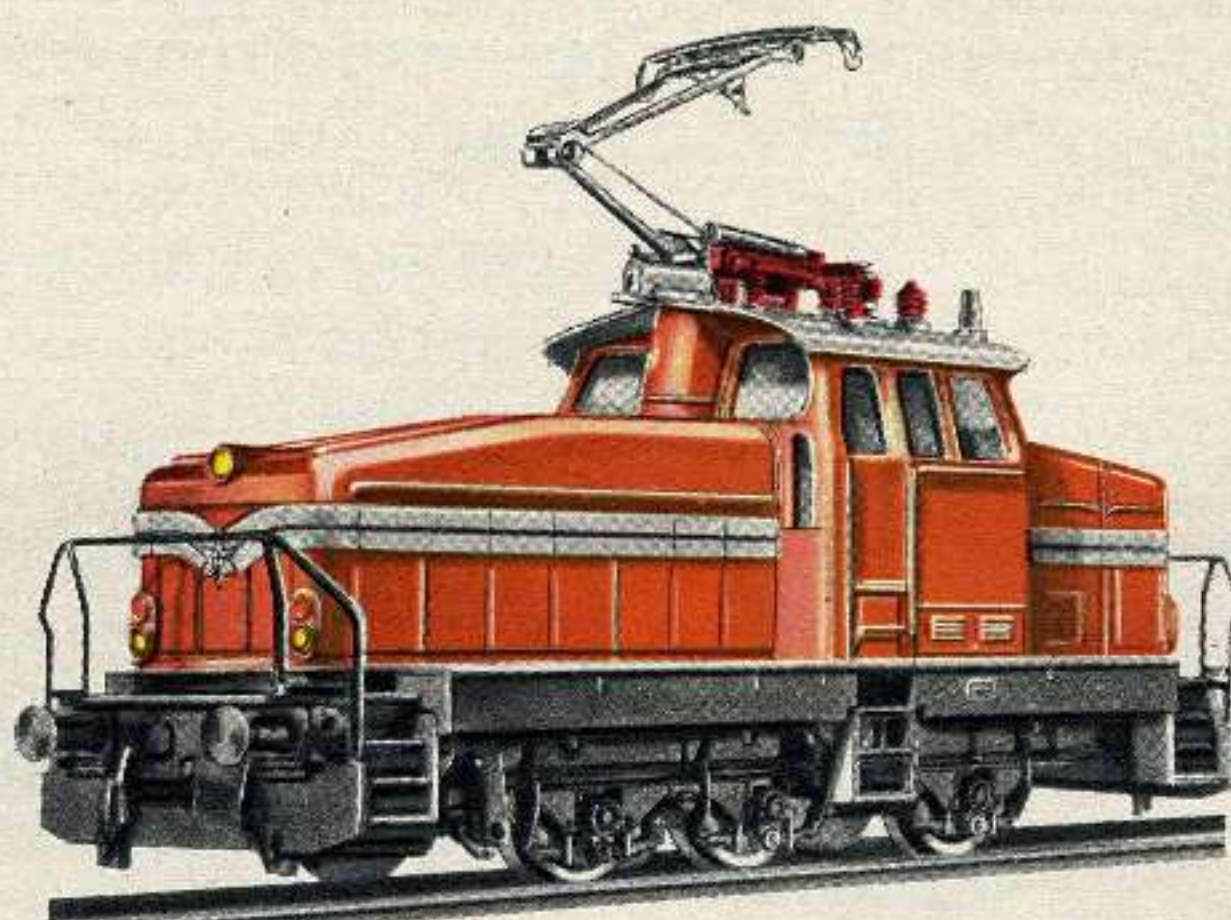


Electric locomotives

Electric switching locomotive "EA 800" 3044

Electric locomotive · A model of a multi-system 0-6-0 industrial locomotive of type EA 800 · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Switch lever to permit selection of operation from the overhead line or the track contacts · Three working headlights at each end · Red plastic body · Single-bar pantographs mounted on roof · Die cast zinc frame · Fully detailed journal boxes · Coupling hook at each end · 4½" long over buffers

⊙ = 7154 🚂 = 7166 🚂 = 60015



Locomotives of this type were designed for heavy track and switching service on works' rail systems, and for transferring cars to mainline railroads. They can draw power either from overhead lines or from internal batteries. Maximum speed is approximately 35 mph. The locomotive with single-axle drive develops 39 000 lbs. tractive force. It weighs 60 tons and is 35 feet long.

"194" Heavy electric freight locomotive 3022

Electric freight locomotive · A model of the German Federal Railways' Class 194 0-6-6-0 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring loaded pantographs on roof · Green three-section metal body · Silver-colored roof · Windows inset in plastic frames · Automatic coupling with advance uncoupler (RELEX) at each end · 8¼" long over buffers

⊙ = 7153 🚂 = 7164 🚂 = 60015



The Class 194 locomotive is the workhorse of the railways. The starting power of the six motors applies 6350 HP to the wheels. With a service weight of 120 tons they have a maximum starting tractive force of 40 tons. They reach a top

speed of only 56 mph it is true, but on the other hand, even with the heaviest freight train, no gradient is too much for them. 124 of these 70 foot long giants are in service on the German Federal Railways.

8322

HAMO

The same model as 3022, but for two-rail DC operation (see p. 23)

Express locomotive "103" 3054

Electric express locomotive · A model of the German Federal Railways 0-6-6-0 Class 103 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Die cast zinc frame · Fixed buffer beams · Specially low centre of gravity · Plastic body in the TEE colors, beige and red · Aluminium colored roof superstructure · Windows inset in plastic frames · 2 spring-loaded pantographs on the roof · Coupling hook at each end · 8½" long over buffers

⊙ = 7153 🚂 = 7164 🚂 = 60015



This is at present the most stylish and most powerful, and fastest of the German Federal Railways express electric locomotives. 62 feet long, its six axles driven by six motors

developing nearly 9000 HP. Its service weight is 112 t and the mighty tractive force of 32 t takes account of future requirements. On suitable tracks, expresses pulled by

the "103" electric locomotives travel at maximum speeds of 125 mph. All the splendid features of the original are captured in the small Märklin model.

...for the fastest and most powerful locomotives



Märklin HO

Electric locomotives

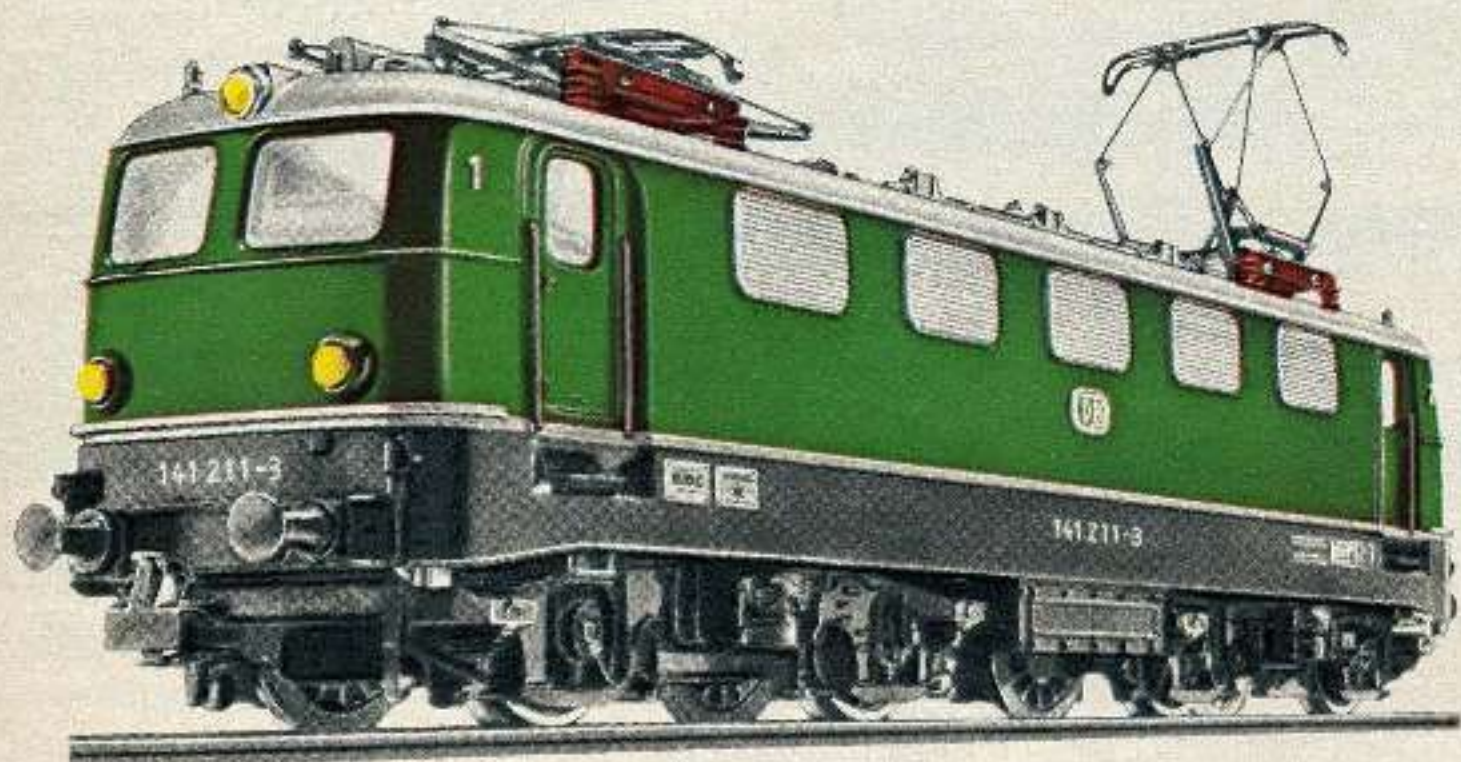


"141" The multipurpose electric locomotive 3034

Electric locomotive · A model of the German Federal Railways' 0-4-4-0 Class 141 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on the



roof · Blue metal body · Fixed buffer beams · Silver-colored roof · Coupling hook with advance uncoupler at each end · 7" long over buffers
 0 = 7153  = 7164  = 60015

The Class 141 has an in-service weight of 66.4 tons and a length of 50 feet. The 4 traction motors develop 3100 HP giving a maximum speed of 75 mph. It is used for passenger and freight services.



3037



Electric locomotive · A model of the German Federal Railways' Class 141 · Similar to 3034, except that the body is green

0 = 7153  = 7164  = 60015

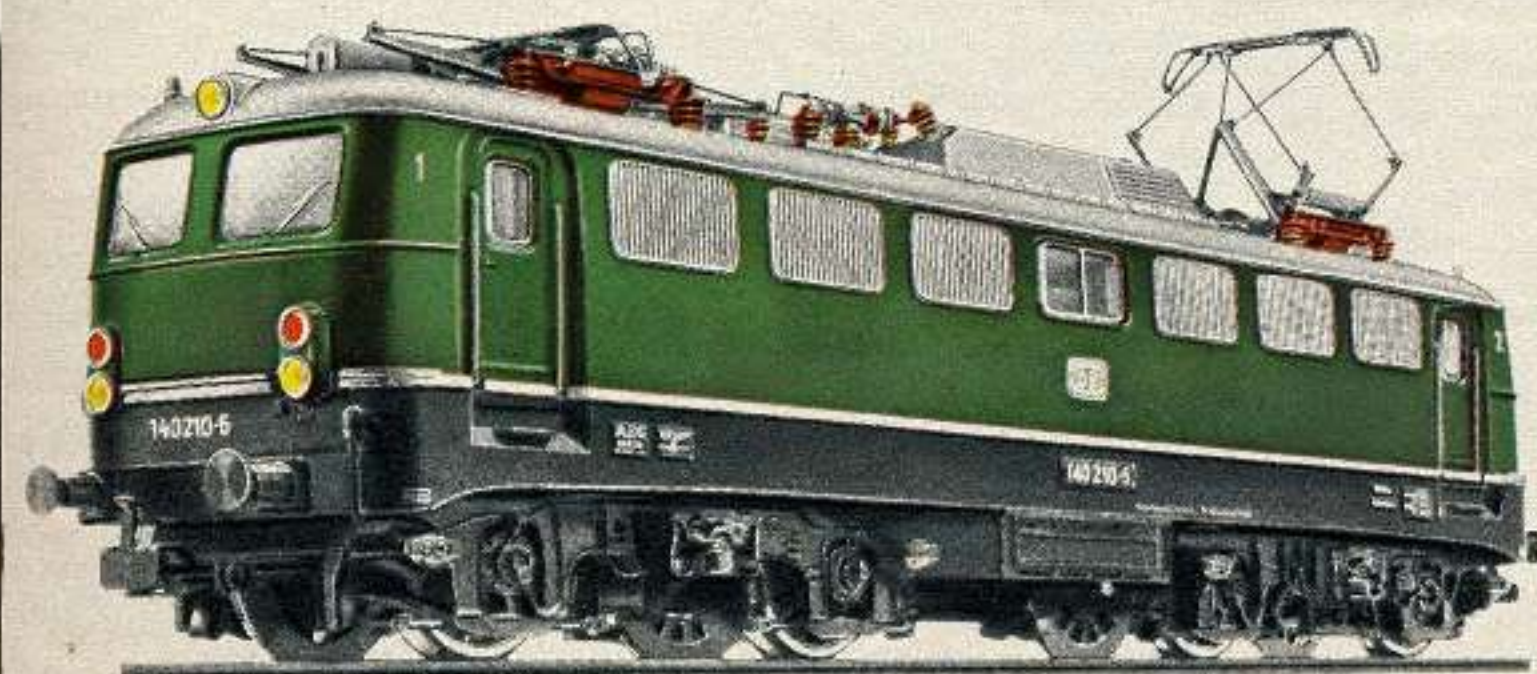


Electric express locomotive "110" 3039

Electric express locomotive · A model of the German Federal Railways' 0-4-4-0 Class 110 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Blue metal body · Fixed buffer beams · Scale reproduction of all roof details · 2 spring-loaded pantographs on roof · Silver-colored roof · Windows inset in plastic frames · Coupling hook with advance



uncoupler at each end · 7 1/2" long over buffers
 0 = 7153  = 7164  = 60015

The electric locomotives of Classes 110 and 140 were purchased by the German Federal Railways from 1956 on. The "110" is used as an express locomotive with an authorised maximum speed of 90 mph, while the "140" is used as a freight locomotive with an authorised maximum speed of 70 mph. Both of them have four traction motors developing together about 5000 HP, but the power is transmitted to the driving wheels through different gears. The locomotives weigh 85 tons and are nearly 50 feet long over the buffers.



"140" German freight locomotive 3040

Electric freight locomotive · A model of the German Federal Railways' 0-4-4-0 Class 140 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selection of operation from the overhead line or the track contacts · Green metal body · Fixed

buffer beams · Scale reproduction of all roof details · 2 spring-loaded pantographs on roof · Coupling hook with advance uncoupler at each end · 7 1/2" over buffers
 0 = 7153  = 7164  = 60015

Electric locomotives

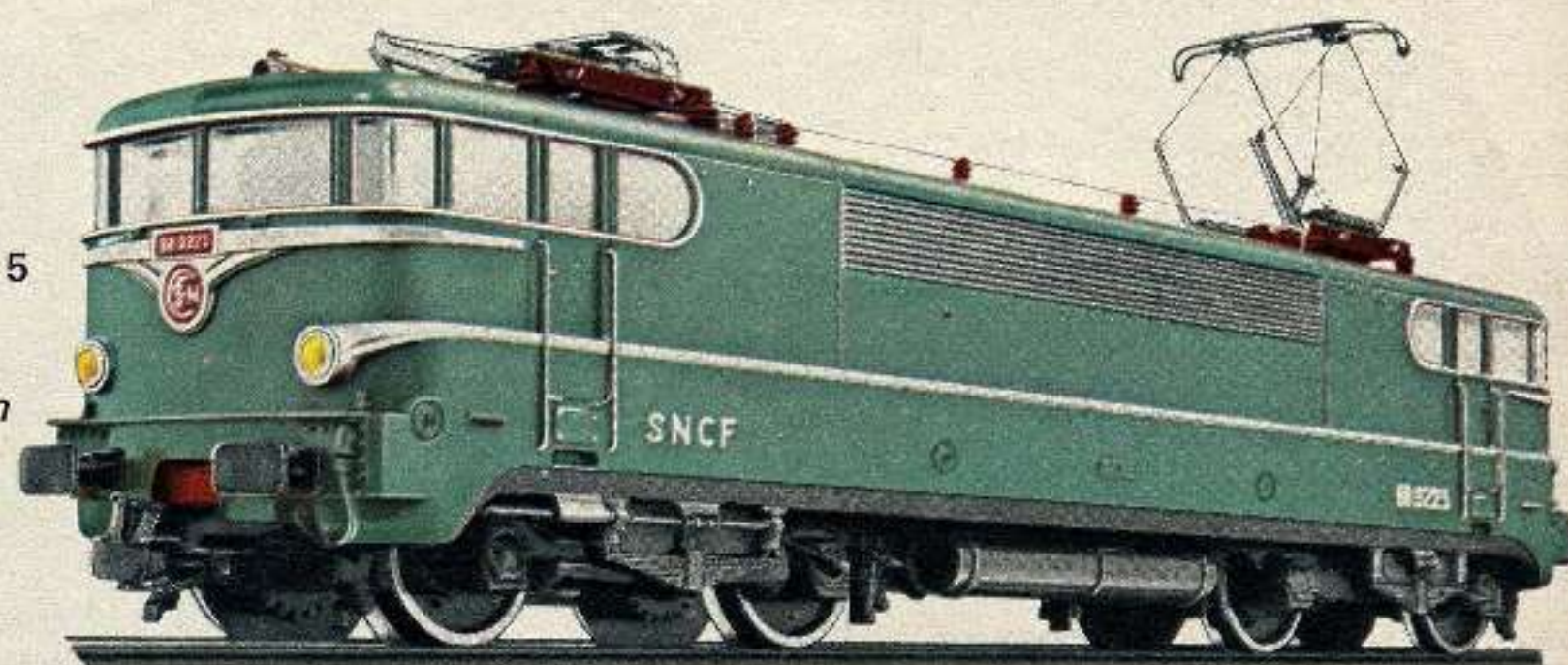
French high-power electric locomotive 3038

Electric locomotive • A model of the 0-4-4-0 Class BB 9200 locomotive of the French Railways (Société Nationale des Chemins de Fer Français or SNCF) • 2 driven axles • 4 rubber tires to increase pulling power • Reversing by remote control • 2 working headlights at each end • Switch lever for selection of operation from the overhead line or

the track contacts • 2 spring-loaded pantographs on roof • Turquoise metal body • Fixed buffer beams • Coupling hook with advance uncoupler at each end • 7" long over buffers

⊖ = 7153 ⊕ = 7164 ⚡ = 60015

The French original from which our model 3038 is copied runs on certain stretches of the French railways at a maximum speed of 100 mph. The locomotives of the Class BB 9200 have four traction motors together developing 5500 HP. Their weight is 80 tons.

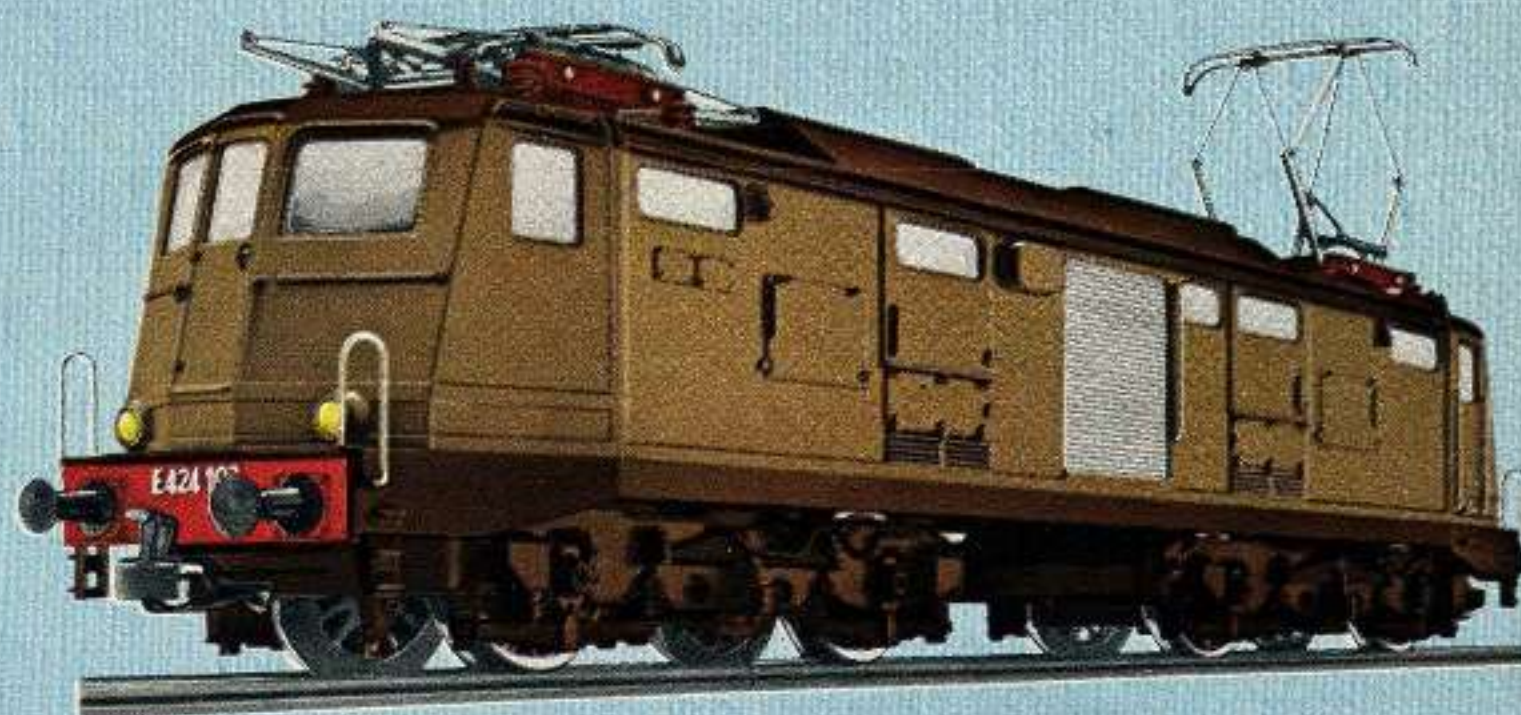


Italian electric locomotive 3035

Electric locomotive • A model of the Italian State Railways' 0-4-4-0 Class E 424 locomotive • 2 driven axles • 4 rubber tires to increase pulling power • Reversing by remote control • 2 working headlights at each end • Switch lever for selection of operation from the overhead line or the track contacts • 2 spring-loaded pantographs on roof • Brown metal

body • Fixed buffer beams • Coupling hook with advance uncoupler at each end • 6 7/8" long over buffers

⊖ = 7153 ⊕ = 7164 ⚡ = 60015



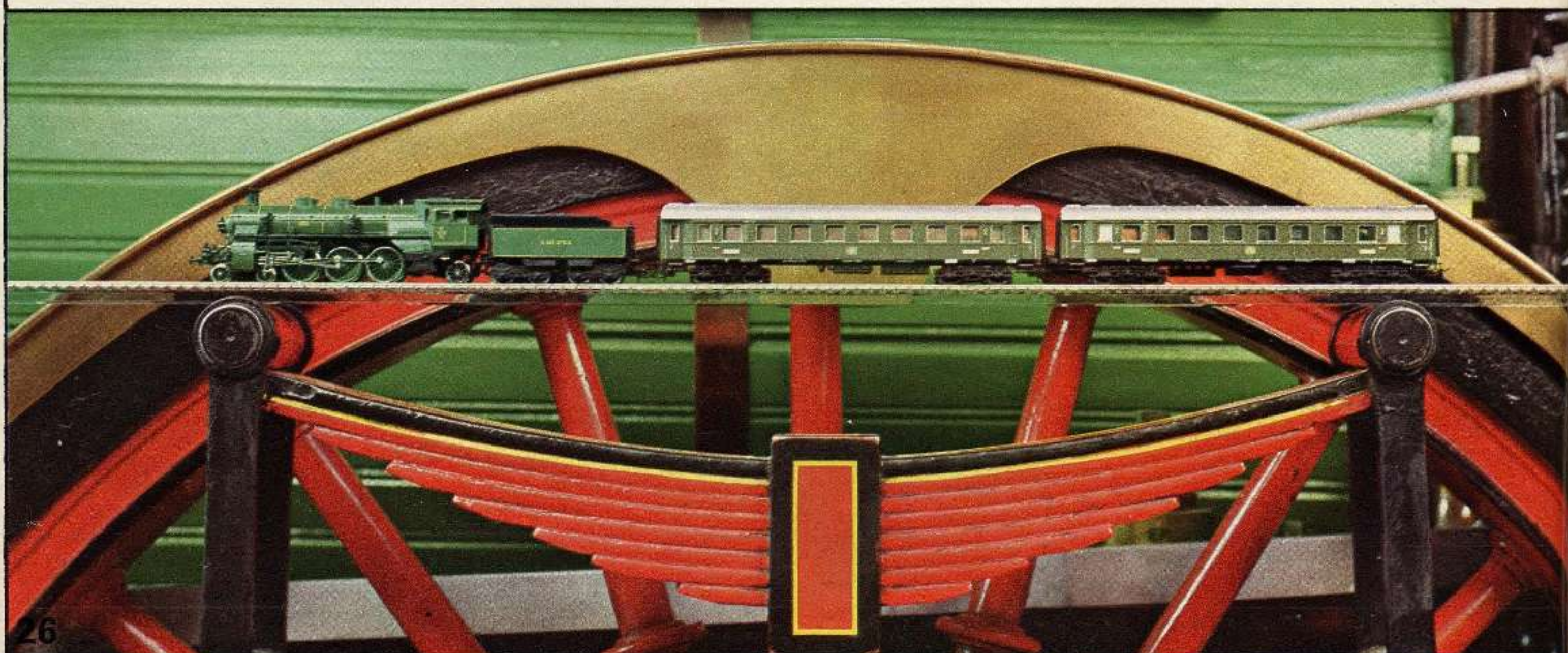
Austrian State Railways' multi-purpose locomotive 3041

Electric multi-purpose locomotive • A model of the Austrian Federal Railways' 0-4-4-0 Class 1043 locomotive • 2 driven axles • 4 rubber tires to increase pulling power • Reversing by remote control • Three working headlights at each end • Switch lever for selection of operation from the overhead line or the track contacts • Red plastic body • Windows inset in plastic frames • 2 single-bar pantographs on roof • Die-cast zinc frame with fixed buffer

beams • Coupling hook at each end • 6 7/8" long over buffer

⊖ = 7153 ⊕ = 7164 ⚡ = 60015

After extensive trial runs with this locomotive, which was built by the Swedish firm ASEA, the Austrian State Railways acquired four of them initially. They were put into service under the designation Class 1043. The 16 2/3 c/s alternating current picked up from the overhead line is converted into direct current by thyristors. The four traction motors develop almost 5000 HP, which give the 52 foot long engine weighing 77.4 tons a top speed of 84 mph.



...as an accurate Märklin model,
naturally

MärklinHO

Electric locomotives

The Swiss Federal Railways' powerful multi-purpose locomotive

3050

Electric multi-purpose locomotive · A model of the Swiss Federal Railways' 0-6-6-0 Class Ae 6/6 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selection of operation from the overhead line or the track contacts · 2 spring-loaded pantographs on the roof · Green metal body · Fixed buffer beams · Silver-colored roof · Locomotive with the "Berne Canton" crest · Coupling hook at each end · 7 1/2" long · Crests of the other Swiss cantons are supplied with this locomotive

⊙ = 7153 ⊞ = 7164 ⊕ = 60015



The Swiss Federal Railways ordered the Ae 6/6 for international passenger and express freight service. The locomotive's weight of 120 tons and the 6000 HP developed by its six motors give it enormous starting

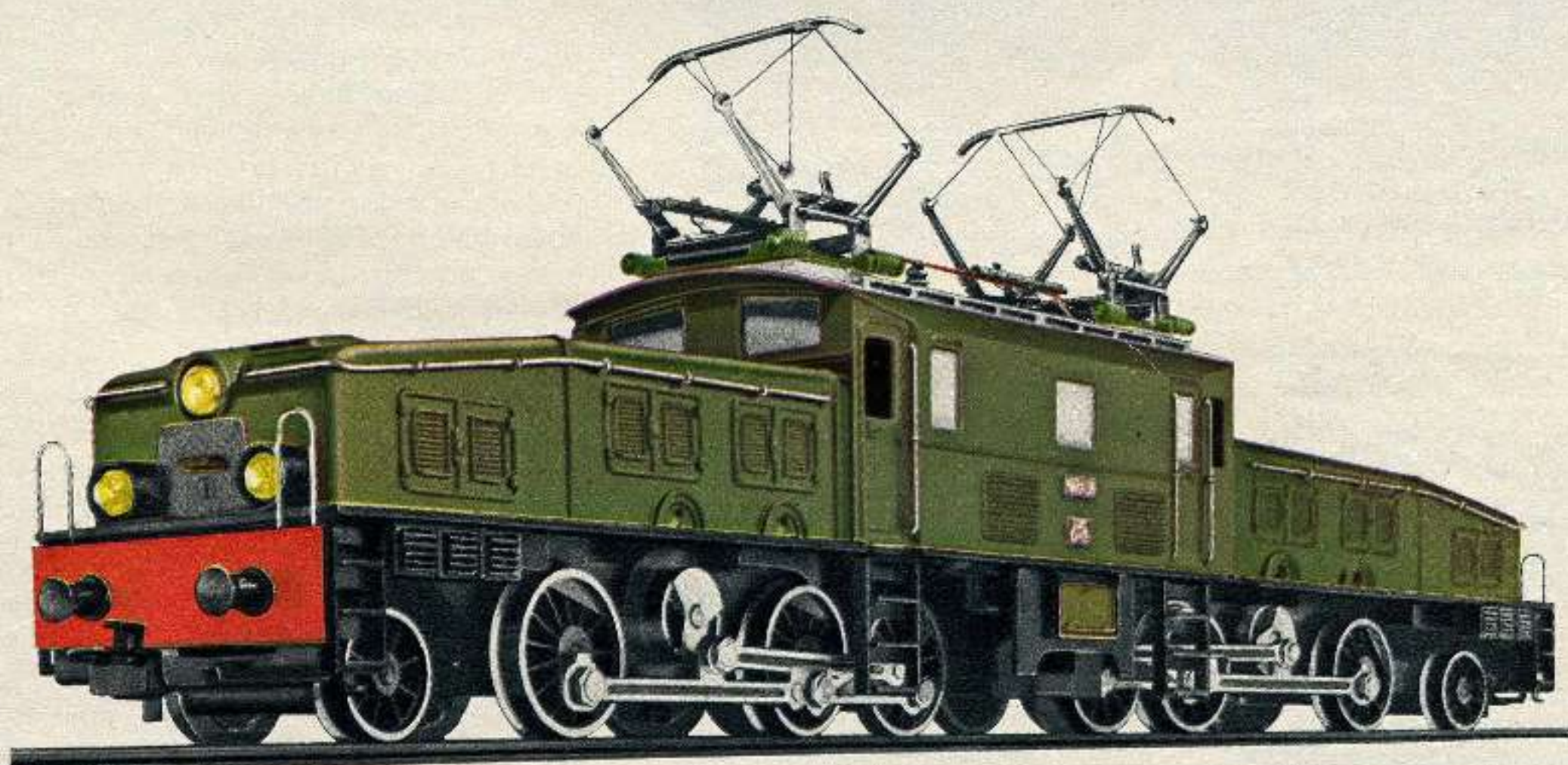
and climbing power. The top speed is 80 mph. With all its giant power, it still has a particularly stylish appearance, which is reason enough for us to model it most accurately.

Swiss heavy electric freight locomotive "Crocodile"

3015

Electric freight locomotive · A model of the Swiss Federal Railways' 2-6-6-2 Series Be 6/8 (Crocodile) locomotive · 6 driven axles · 2 rubber tires to increase pulling power · Because of its articulated construction it can negotiate standard curves with ease · Reversing by remote control · Three working headlights at each end with automatic change-over · Switch lever for selection of operation from the overhead line or the track contacts · 2 spring-loaded pantographs on the roof · Green metal body · Automatic coupling with advance uncoupler (RELEX) at each end · 10 1/4" long over buffers

⊙ = 7153 ⊞ = 7175 ⊕ = 60000



This giant Swiss electric freight locomotive Be 6/8 on its eight axles, a real "King of the Mountains"

is nicknamed "The Crocodile". It is undoubtedly the Swiss Railways' most impressive locomotive.



Electric locomotives

Electric locomotive of the Netherlands Railways

3055

Electric locomotive · A model of the 0-6-6-0 Class 1200 locomotive of the Netherlands Railways · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 3 working headlights at each end · Switch lever for selection of operation from the overhead line or the track contacts · Grey and yellow metal body · Fixed buffer beams · 2 spring-loaded

pantographs on roof · Windows inset in plastic frames · Coupling hook at each end · 7 1/4" long over buffers

⊖ = 7154 ⊕ = 7164 ⚡ = 60015



Swedish electric locomotive

3030

Electric locomotive · A model of the Swedish State Railways' 2-8-2 Class Da locomotive · 3 driven axles · Jackshaft driven through gears · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selection of operation from the overhead line or the track contacts · 2 spring-loaded pantographs on the roof · Brown metal body · Fixed buffer

beams · Die-cast zinc frame · Automatic coupling with advance uncoupler (RELEX) at each end · 5 1/2" long over buffers

⊖ = 7153 ⊕ = 7173 ⚡ = 60015

The Class Da is operated by the Swedish State Railways (Statens Järnvägar) as the standard electric locomotive for passenger and freight service. Since these locomotives have only one motor and the axle load at 15 or 17 t is low, they are fitted with connecting rod drive. This avoids the "running away" of individually driven axles when starting from rest.

Interesting Swedish multi-purpose locomotive

3043

Electric multi-purpose locomotive · A model of the Swedish State Railways' 0-4-4-0 Class Rc locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 4 working lights at each end · Switch lever for selection of operation from the overhead line or the track contacts · Orange-colored plastic body · Win-

dows inset in plastic frames · 2 spring-loaded pantographs on roof · Die-cast zinc frame with fixed buffer beams · Coupling hook at each end · 6 1/2" long over buffers

⊖ = 7153 ⊕ = 7164 ⚡ = 60015

In these engines of very advanced design, alternating current at 16 2/3 c/s is taken from the overhead lines and is converted by transistors into direct current which drives the four traction motors developing a total of almost 5000 HP. The locomotive, almost 52 feet long over the buffers, weighs 76 t and reaches 84 mph.



Diesel locomotives



Diesel hydraulic locomotive "DHG 500"

3078

Diesel locomotive · A model of 0-6-0 industrial locomotive known as the DHG 500 type · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Blue plastic body with decorative silver-colored bands · Die-cast zinc frame · Coupling hook at each end · 4 1/2" long over buffers

① = 7154 ② = 7166 ③ = 60015

These "small" diesel engines with hydraulic transmission nevertheless measure about 40 feet long and have several hundred horsepower "under their hoods". The heavily loaded gears particularly, are especially robust, so that three locomotives can be used for long periods of time with an insignificant amount of maintenance. These locomotives, which are typical of industrial locomotives (Märklin model 3078, 3080), have windows low down in the front side panels of the engineer's cab, allowing a clear view of the buffers for accurate switching.



Industrial locomotive 3080

Diesel locomotive · A model of a 0-6-0 industrial locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Yellow plastic body with dark decorative stripes · Die-cast zinc frame · Coupling hook at each end · 4 1/2" long over buffers

① = 7154 ② = 7166



Diesel-hydraulic switching locomotive "260" with Märklin TELEX coupling

3065

Diesel locomotive · A model of the German Federal Railways' 0-6-0 Class 260 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red plastic body · Windows inset in plastic frames · Die-cast zinc frame · Märklin TELEX coupling at each end · 4 1/2" long over buffers

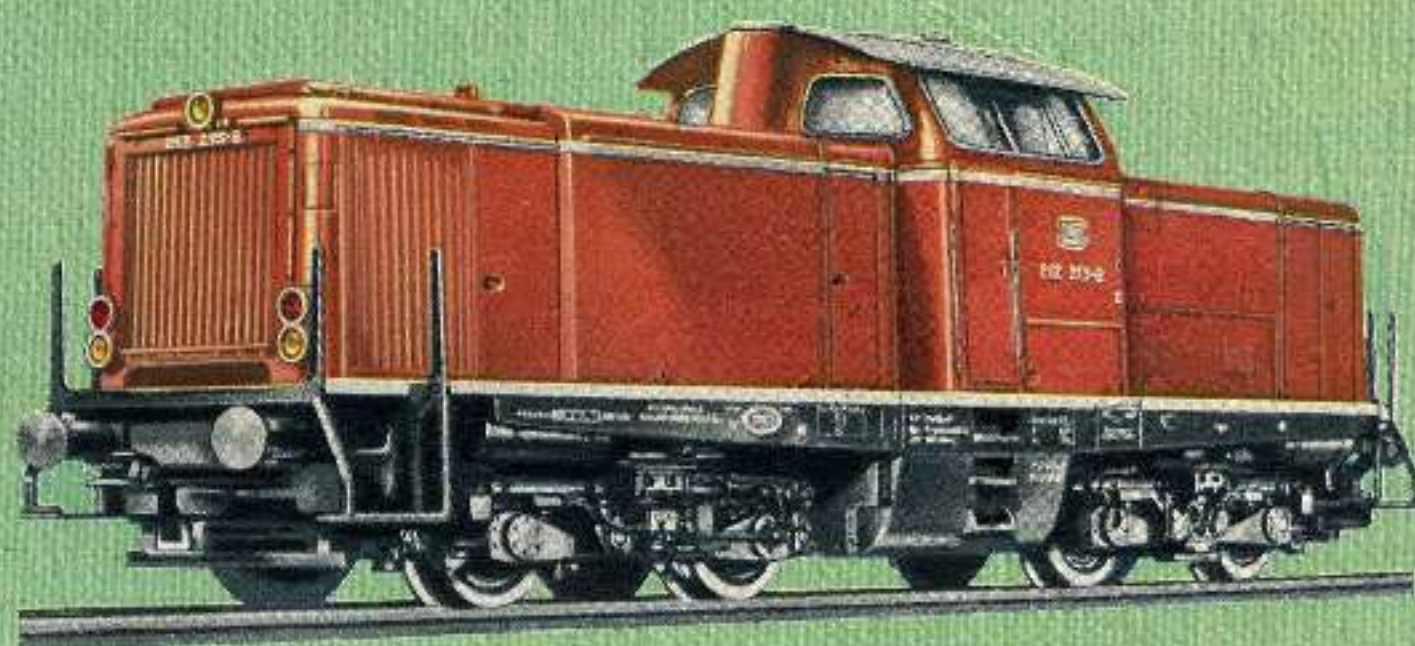
① = 7153 ② = 7185 ③ = 60010

With coupling hook 3064

Diesel locomotive · A model of the German Federal Railways' Class 260 locomotive · Similar to 3065, but without Märklin TELEX coupling · Coupling hook with advance uncoupler at each end

① = 7153 ② = 7185 ③ = 60010

TELEX, see p. 18



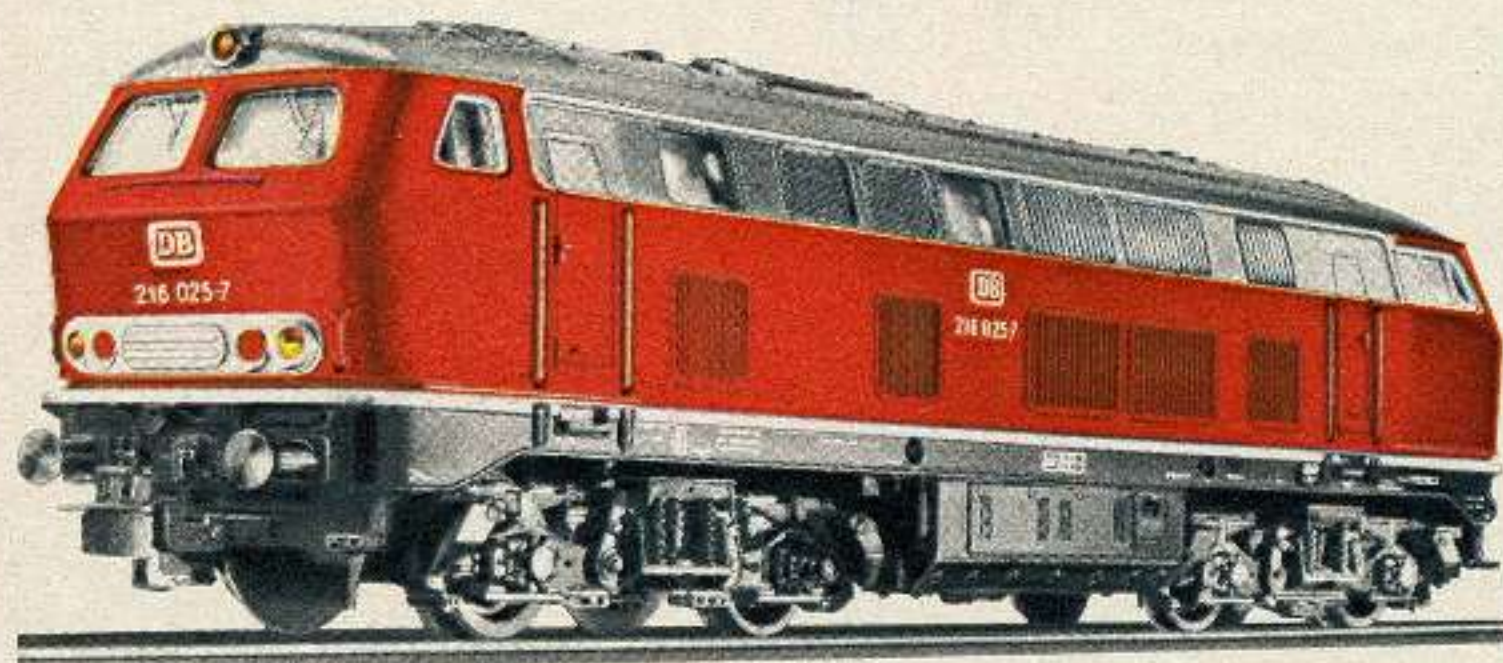
Diesel-hydraulic locomotive "212" 3072

Diesel locomotive · A model of the German Federal Railways' 0-4-4-0 Class 212 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Die-cast zinc frame · Fixed buffer beams · Red plastic body · Narrow front and rear ends to scale · Windows inset in plastic frames · Automatic coupling with advance uncoupler (RELEX) at each end · 5 1/2" long over buffers · A suitable positioning of the motor has enabled the front and rear ends of model 3072 to be kept narrow as on the original

① = 7154 ② = 7164 ③ = 60010

The 212 is a multi-purpose diesel locomotive, 40 feet long and weighing 63.2 t in service order. The new types develop 1350 HP which are transmitted through universal drive shaft to the 4 axles arranged in two bogies. In order to use the tractive force of the powerful motor to meet requirements for passenger and freight service, a dual-ratio gear is provided which can be operated from the cab. In low gear the locomotive has the maximum tractive force but the top speed is then only 40 mph, while in high gear it reaches 65 mph.



Diesel locomotives



Diesel locomotive "216"

3075

Diesel locomotive · A model of the German Federal Railways' 0-4-4-0 Class 216 locomotive · 2 driven axles · 4 rubber tires increase pulling power · Reversing by remote control · Three working headlights at each end · Red and grey plastic body · Grey roof · Windows inset in plastic frames · Die-cast zinc frame · Fixed buffer beams · Automatic coupling with advance uncoupler (RELEX) at each end · 7 1/8" long over buffers

⊙ = 7154  = 7164  = 60015

The Class 216 diesel locomotive is used for mainline service over medium distances. With full fuel tank it weighs 79 tons. It develops 1900 HP and reaches a maximum speed of 75 mph.



8375



The same model as 3075, but for two-rail DC operation (see p. 23)



Diesel-hydraulic express locomotive "220"

3021

Diesel locomotive · A model of the German Federal Railways' 0-4-4-0 Class 220 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and grey metal body · Fixed buffer beams · Silver-colored roof · Coupling hook with advance uncoupler at each end · 8 1/4" long over buffers

⊙ = 7154  = 7183  = 60010



American "F 7" diesel locomotive of the Atchison Topeka and Santa Fé Railway

3060

Diesel locomotive · A model of the 0-4-4-0 American Type F 7 locomotive, built by the Electromotive Division of General Motors for the Atchison Topeka and Santa Fé Railway · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Scale model lighting · Red and silver-colored metal body · Coupling hook with advance uncoupler at cab end ·





Automatic coupling with advance uncoupler (RELEX) at rear end · 6 7/8" long

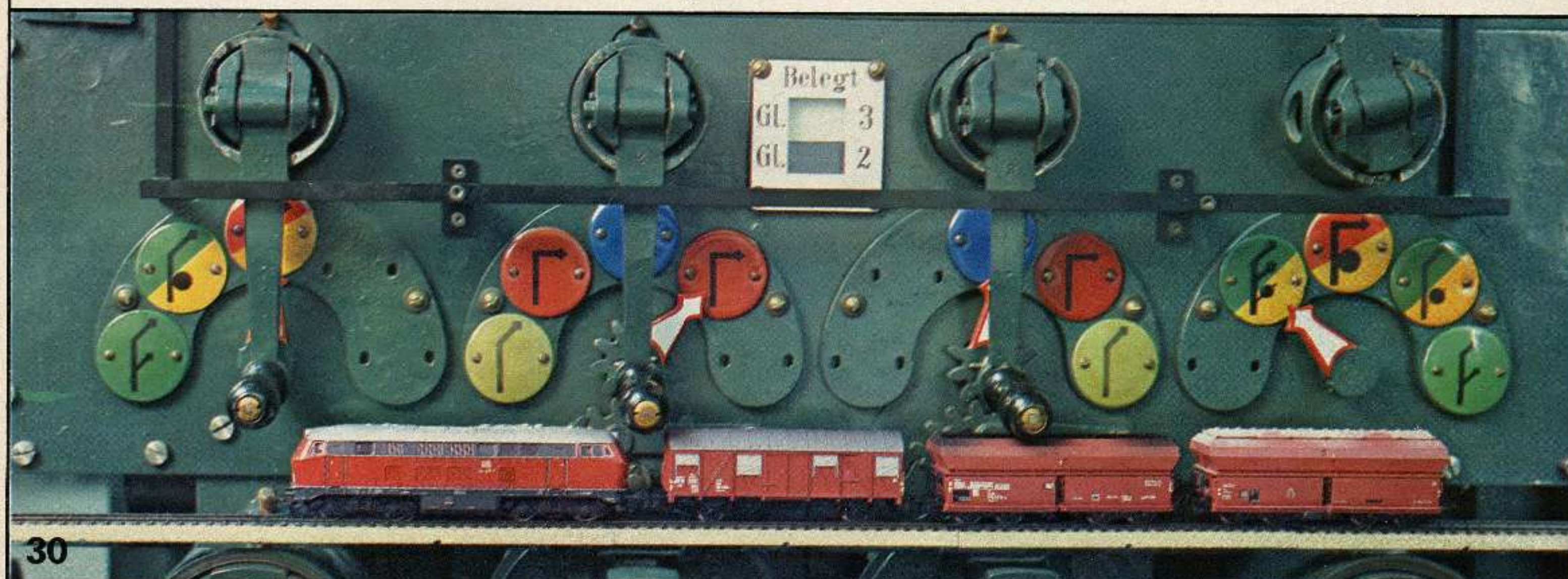
⊙ = 7154  = 7185  = 60015

4060

Supplementary section, unpowered · Matching the diesel locomotive 3060 · Scale model

lighting · Red and silver-colored metal body · Coupling hook with advance uncoupler at cab end · 6 7/8" long

 = 7166  = 60015



Diesel locomotives

Belgian Railways' multi-purpose diesel locomotive

3066

Diesel locomotive · A model of the Belgian State Railways' (SNCB) 0-6-6-0 Class 204 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Green metal body · Fixed buffer beams · Black roof · Windows inset in plastic frames · Coupling hook at each end · 8" long over buffers

0 = 7154 1 = 7164 2 = 60015

The Belgian multi-purpose diesel locomotive, Class 204, has diesel-electric drive. Developing 1750 HP, it is engaged in hauling light freight

trains as well as local and express passenger trains, reaching a maximum speed of about 87 mph.



Danish Railways' diesel-electric locomotive

3067

Diesel locomotive · A model of the Danish State Railways (DSB) 0-6-6-0 Class My 1100 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and brown metal body · Fixed buffer beams · Grey roof · Windows inset in plastic frames · Coupling hook at each end · 8" long over buffers

0 = 7154 1 = 7164 2 = 60015

The Danish State Railways Class My 1100 multi-purpose locomotive has diesel-electric drive, i.e., the current for the tractor motors situated on the axles is produced by generators on the locomotive, the

generators being driven by diesel engines. Amongst other services, they haul international expresses on the "Vogelflug" line. This type of locomotive is very similar to the Belgian Class 204.



Norwegian Railways' multi-purpose diesel-electric locomotive

3068

Diesel locomotive · A model of the Norwegian State Railway (NSB)'s 0-6-6-0 Class Di 3 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and brown metal body · Silver-colored roof and roof fittings · Windows inset in plastic frames · Coupling hook at each end · 8" long over buffers

0 = 7154 1 = 7164 2 = 60015

Diesel operation is being increasingly used on the Norwegian State Railways' lines which are not yet electrified. The locomotive on which our model is based is known as Class Di 3. Its 1900 HP motor gives

it a top speed of 63 mph. Apart from the roof fittings, its relationship to the Belgian Class 204 and the Danish Class My 1100 is unmistakable.



Motor rail trains

Electric motor rail train 3076

Two-unit electric rail train · A model of the German Federal Railways' battery-powered multiple unit 515/815 · Motor rail car: 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Red plastic body · Interior fittings · Interior lighting · Windows inset in plastic frames · Aluminium-colored roof · Trailer: Connected to the motor rail car by permanent coupling · Red plastic body · Interior fittings · Interior lighting · Windows inset in plastic frames · Aluminium-colored roof · Motor rail car and trailer each have three headlights working when running forward and changing auto-



atically to 2 red lights when reversed · Coupling hook at each end of the train · 19½" long over buffers

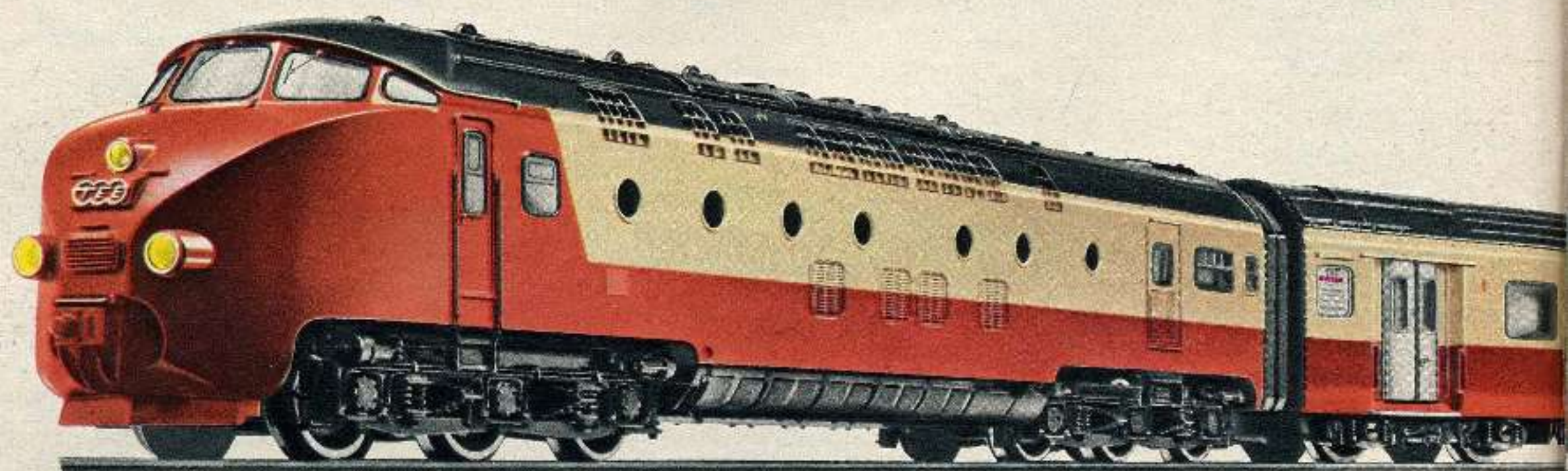
⊖ = 7154 ⊕ = 7164 ⚡ = 60015 w, 60001 r

The battery-operated motor rail cars of Class 515 — usually coupled to trailers 815 — are mostly used on main and secondary lines for express and local passenger services. Their range of operation is limited to about 200 miles by the capacity of the

batteries carried as the source of power. Two motors, each developing 270 HP, give the train a top speed of about 60 mph. The motor rail car is 46 ft. in length and weighs 56 tons in service. The trailer is the same length and weighs 23 tons.

"TEE" Express train 3071

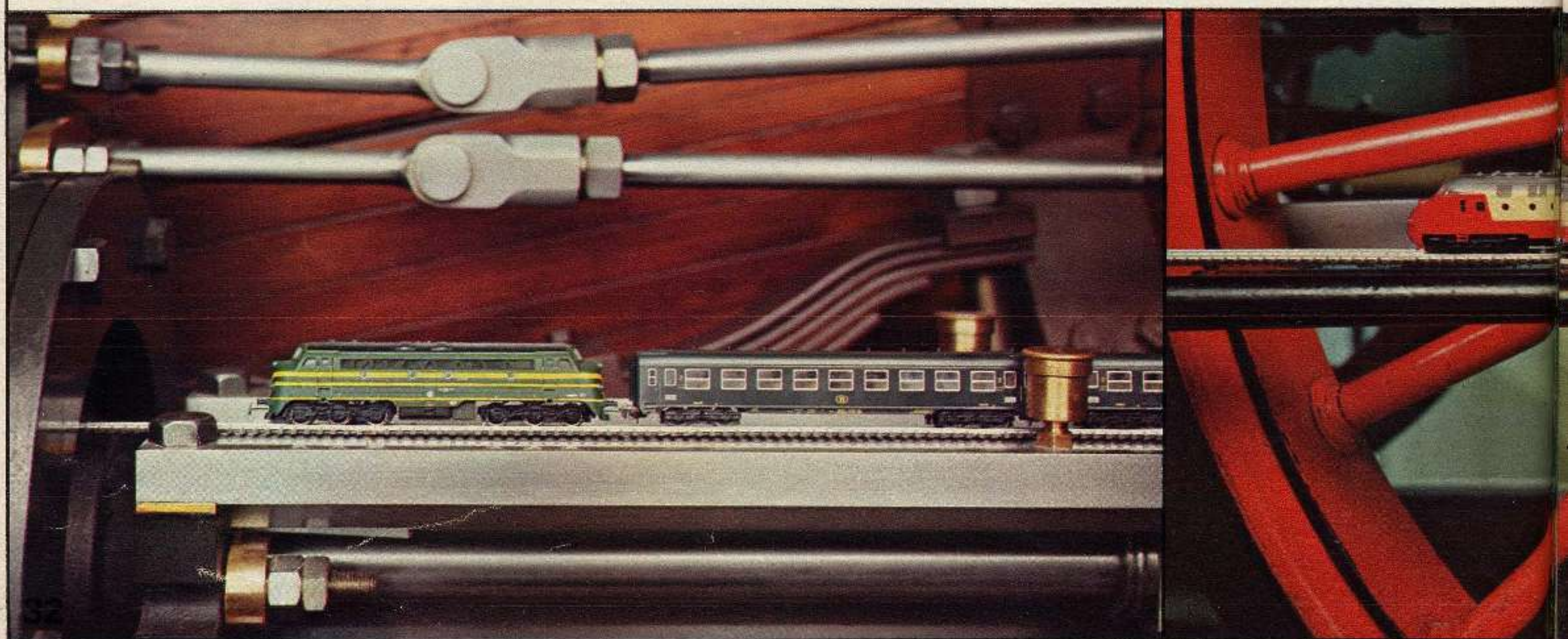
Three-unit TEE express train · A model of the Netherlands-Swiss TRANS EUROP EXPRESS train consisting of a locomotive, a combined first-class and dining coach and a spacious first-class compartment coach with engineer's compartment · The model is 27½" long · Locomotive: 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Mat black die-cast zinc frame · Plastic body in the TEE colors, beige and red · Grey roof · Windows inset in plastic frames · The other two coaches: each with 2 bogies like the originals · Plastic body in the TEE colors, beige and red · Grey roof · Windows inset in plastic frames · Special couplings connect the 3 units



very close together · Specially tightly closing covers on the passages between coaches · Three headlights and 2 red taillights at each end of the train, lighting up to suit the direction of the train · A current pick-up shoe at each end of the train, the front one in the direction of travel picking up the current

⊖ = 7154 ⊕ = 7164 ⚡ = 60015 w, 7175 60001 r

Five complete trains of the Netherlands-Swiss TRANS EUROP EXPRESS are now in service, operating between Zürich and Amsterdam as the TEE "Edelweiss". Mostly they consist of four coaches. Three powerful diesel engines, developing together 2300 HP, give the train a speed of 87½ mph. The windows in



The most economic solution for branch lines

Märklin HO

Railbus



Railbus with trailer



3016

Railbus · A model of the German Federal Railways type 795 unit · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Interior

lighting · Red plastic body · Die-cast zinc frame · Symmetrical special coupling at each end for close-coupling the cars together · 5 1/2" long over buffers

⊙ = 7153 ⚙ = 7164 ⚙ = 60010

4018

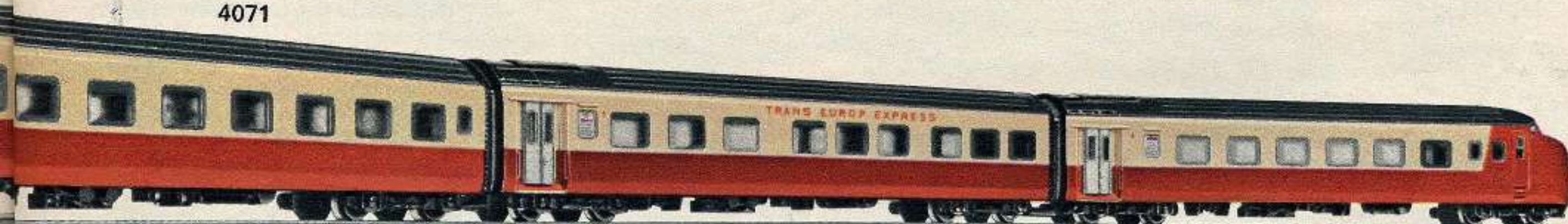
Railbus trailer · A model of the German Federal Railways type 995 trailer · Red taillights at each end · Interior lighting · Red plastic body · Symmetrical special coupling to fit railbus only · 4 1/2" long over buffers

⚙ = 7175 ⚙ = 60010

TRANS EUROP EXPRESS



4071



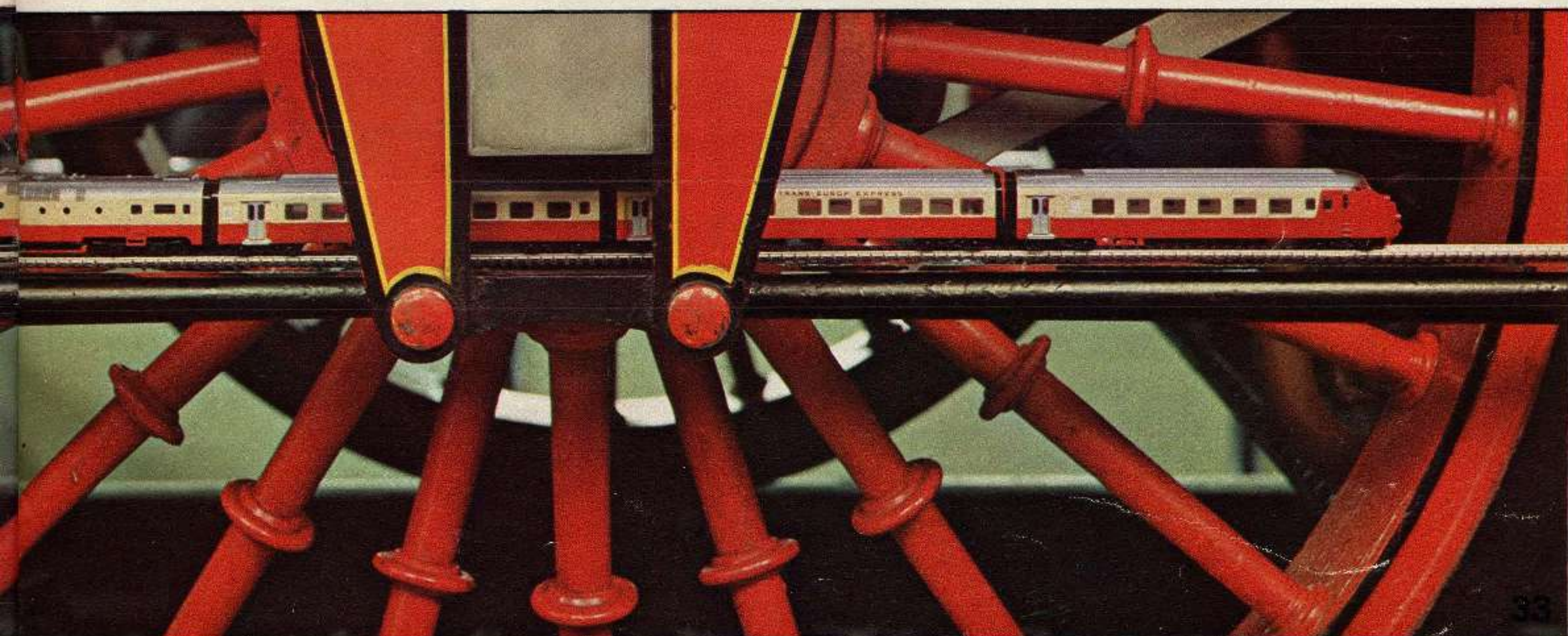
these trains do not open since all the coaches are fully air conditioned. As on all TEE trains there are only first-class coaches, providing 114 seats. The diner section can seat 32.

The TEE train illustrated consists of the three-part unit 3071, which has been supplemented by the coach

4071 to bring it up to the composition customary in service. The length of the 4-unit train is 37 1/2".

4071

TEE compartment coach · 1st class · 2 bogies true to the original · Grey roof · Windows inset in plastic frames · Movable covers for the corridor between coaches at each end · Special coupling fitting TEE trains only · 9" long

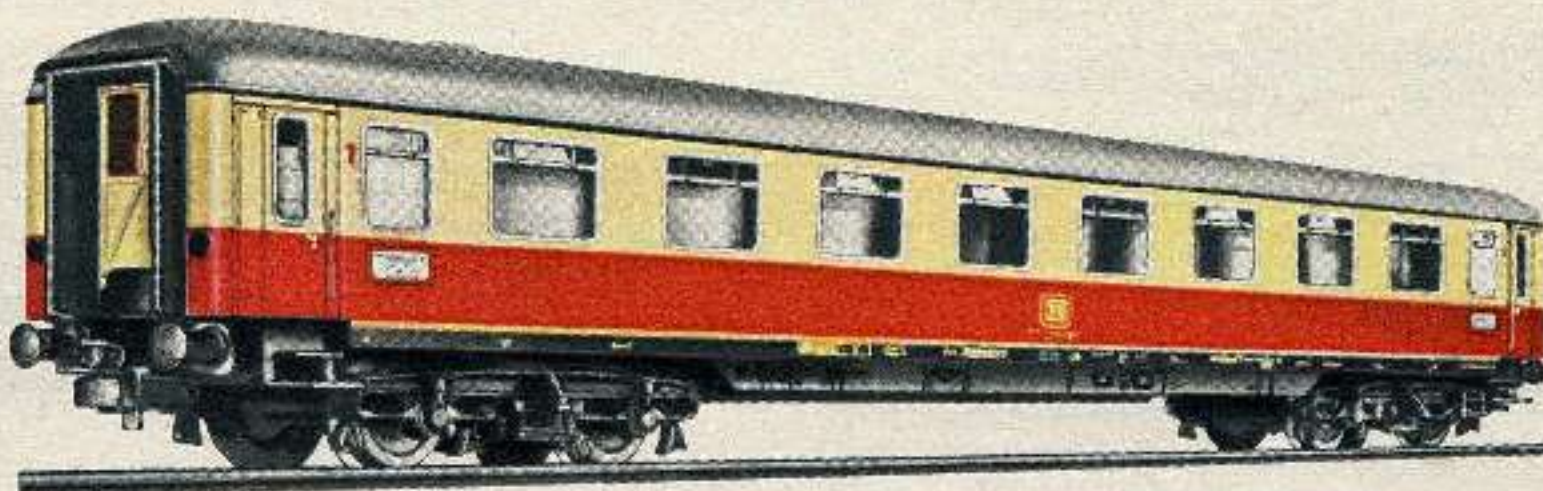


TEE coaches, 9 1/2" long

Local service passenger coaches

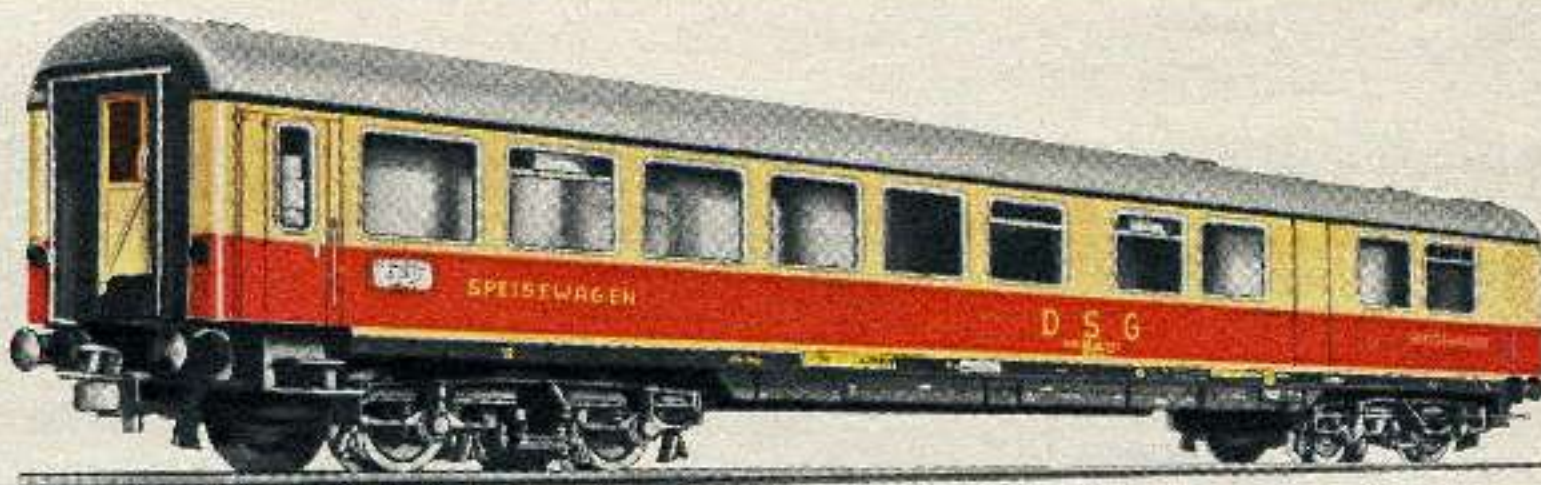
TEE coaches with interior fittings, 9 1/2" long

We illustrate here the "show pieces" of the German Federal Railways, the TEE coaches. They are the best equipped, the most comfortable and certainly the most handsome of the Federal Railways' coaches.



4085

TEE compartment coach · 1st class · A model of the German Federal Railways' type Avm · Windows inset in plastic frames · Interior fittings with side corridor · 9 1/2" long · Arranged to take the interior lighting set 7320 (see page 65)



4087

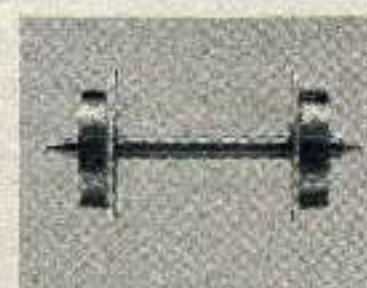
TEE dining car · A model of the German Federal Railways' type WRm · Windows inset in plastic frames · Interior fittings, divided up into kitchen and restaurant sections · 9 1/2" long · Arranged to take interior lighting set 7320 (see page 65)



4089

TEE compartment coach · Similar to coach 4085 but with current pick-up, fittings for the interior lighting and taillights

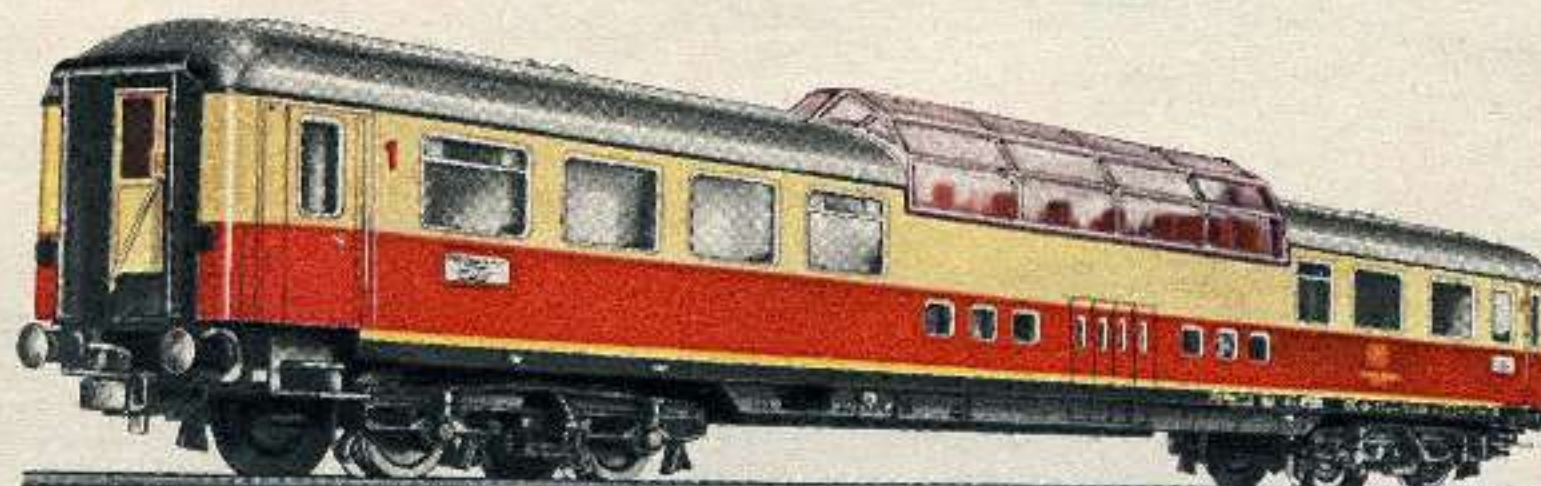
⚙ = 7175 ⚡ = 60015



7589

Märklin-HAMO for two-rail DC operation

Set of wheels · Comprising 4 axle sets · For converting the TEE for two-rail DC operation



4090

TEE observation coach · 1st class · A model of the German Federal Railways' type ADm · Windows inset in plastic frames · Interior fittings · Observation dome of transparent plastic · 9 1/2" long · Arranged to take interior lighting set 7322 (see page 65)

German Federal Railways' local passenger service coaches with interior fittings



4082

Local passenger service coach · 2nd class · A model of the German Federal Railways' type Bnb · Stainless steel-colored coach body with peacock-eye pattern · Interior fittings · Windows with plastic frames · 9 1/2" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



4081 with baggage compartment and engineer's cab

Local service coach with baggage compartment and engineer's cab · 2nd class · A model of the German Federal Railways' type BDnf · Stain-

less steel-colored coach body with peacocks-eye pattern · Interior fittings · Windows with plastic frames · Roof with dummy signal horn · Lights at the engineer's cab end which change over automatically from three headlights to two red taillights when the direction of travel is reversed · 9 1/2" long · Arranged to take the interior lighting set 7077 (see page 65)

⚙ = 7175 ⚡ = 60000



4083

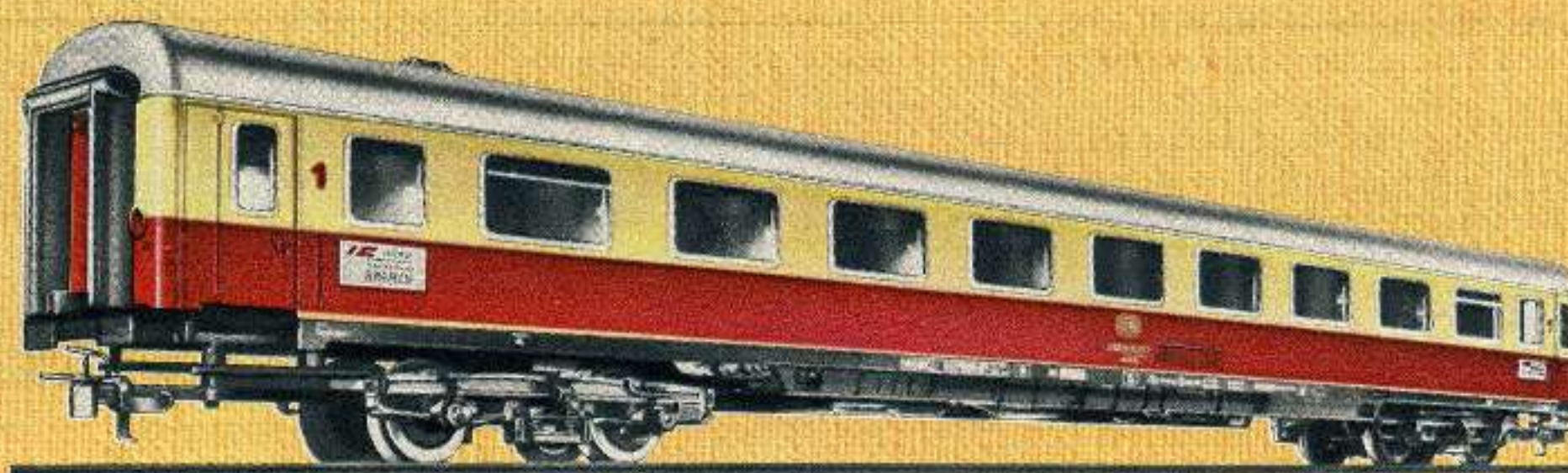
Local passenger service coach · 1st and 2nd class · A model of the German Federal Railways' type ABnb · Stainless steel-colored coach body, with peacock-eye pattern · Interior fittings · Windows with plastic frames · 9 1/2" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

...and luxurious show-pieces

Märklin HO

TEE coaches with interior fittings, 10⁵/₈" long

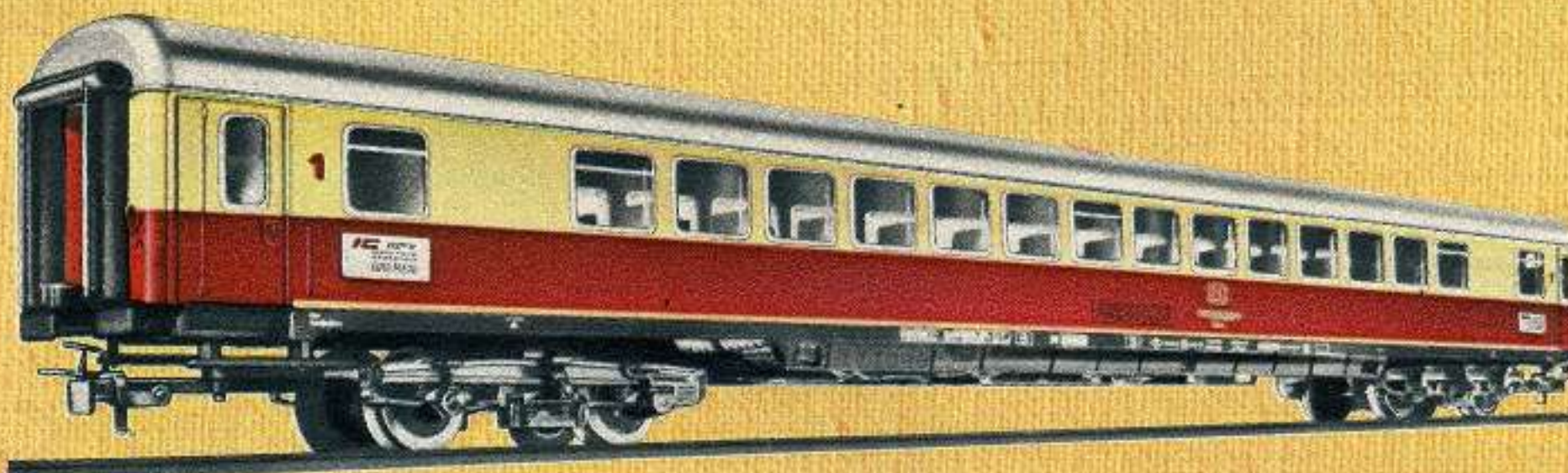
NEW



4095

TEE compartment coach · 1st class · A model of the German Federal Railways' type Avm · Plastic coach body · Interior fittings with side corridor · Windows inset in plastic frames · 10⁵/₈" long · Arranged to take interior lighting set 7325 (see page 65)

NEW



4096

TEE open-interior coach · 1st class · A model of the German Federal Railways' type Apm · Plastic coach body · Interior fittings, seats arranged two on one side, one on other side of central gangway · Windows inset in plastic frames · 10⁵/₈" long · Arranged to take interior lighting set 7325 (see page 65)

NEW



4097

TEE dining car · A model of the German Federal Railways' type WRm · Plastic coach body · Interior fittings, divided into kitchen and diner sections · Windows inset in plastic frames · 10⁵/₈" long · Arranged to take interior lighting set 7325 (see page 65)

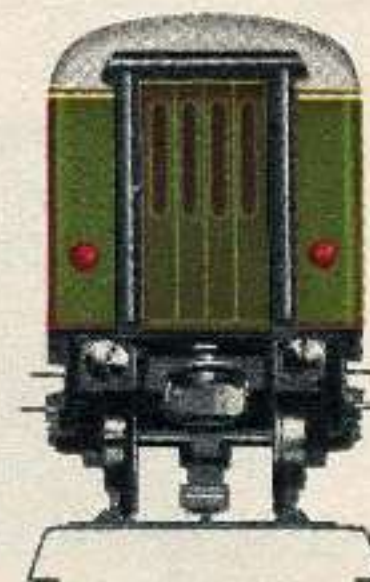


Express coaches, 9 1/2" long

German Federal Railways' express coaches

The bodies of our express coaches are made either of metal or plastic, with inset plastic window frames and panes. Door recesses and other important details, together with the fine, indelible lettering, are copied faithfully to scale from the originals. The mat finish makes them look completely realistic. Everything is prepared for the installation of

interior lighting. The simulated bogies of Minden-Deutz design have movable side frames which even out any irregularities in the track so that the cars run safely and very quietly. Simulated rubber beading or bellows are fitted where the coaches are connected together. Automatic coupling with advance uncoupler (RELEX).



4026

Express baggage car · A model of the German Federal Railways' type D ym · Windows inset in plastic frames · 9 1/2" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

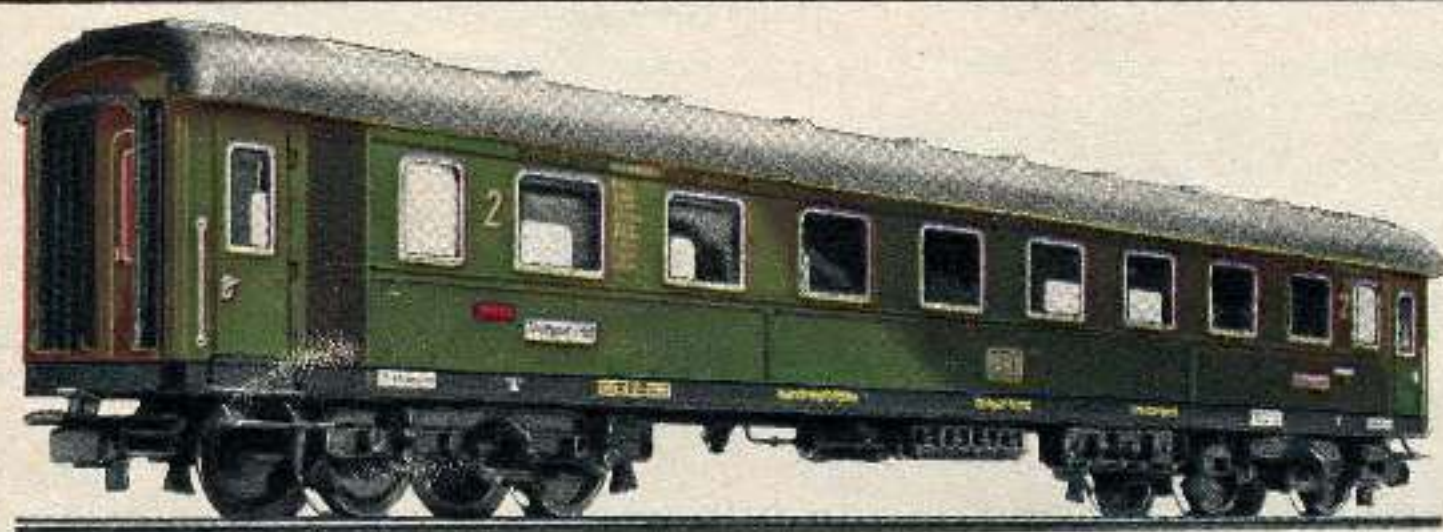
4044

Express baggage car · Similar to 4026, but with taillights and current pick-up shoe

⚙ = 7175 ⚙ = 60000

4029

Express sleeping car · A model of the International Sleeping Car Co's type ISG No. 4581 · Windows inset in plastic frames · 9 1/2" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

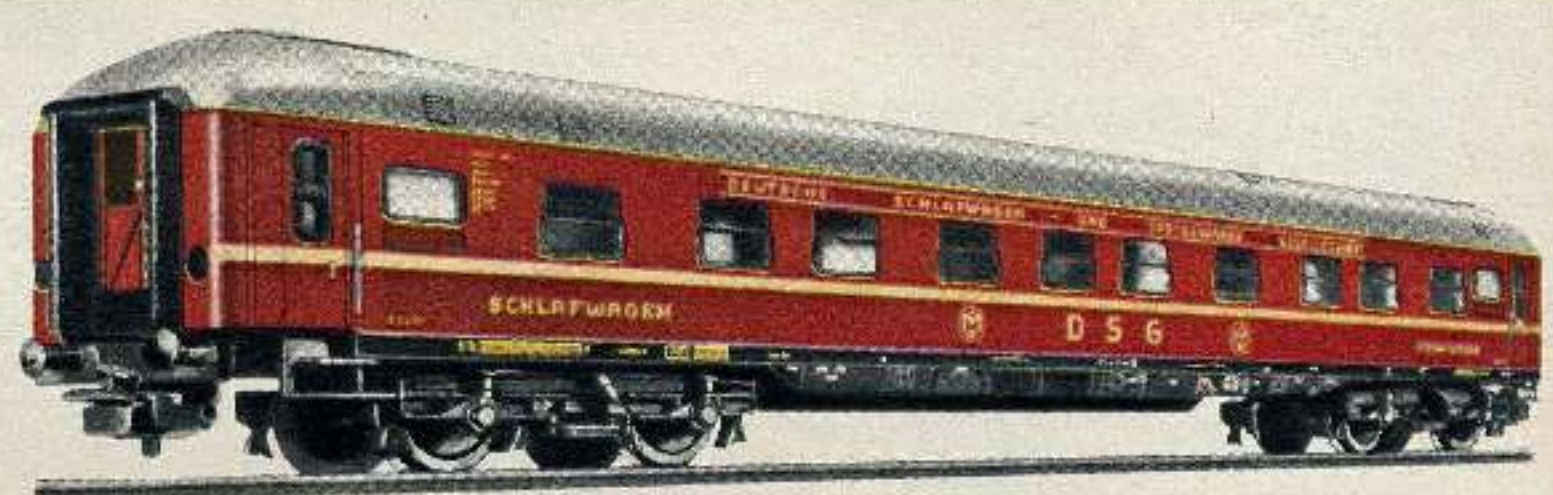


4037

Express coach · 2nd class, one of the older designs · A model of a type used by the German Federal Railways · Windows with plastic panes · 8 1/2" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

4064

Express sleeping car · 1st and 2nd class · A model of the German Sleeping and Diner Car Co's type WL AB üm, series 33200 · Windows inset in plastic frames · 9 1/2" long · Arranged to take interior lighting set 7320 (see page 65)



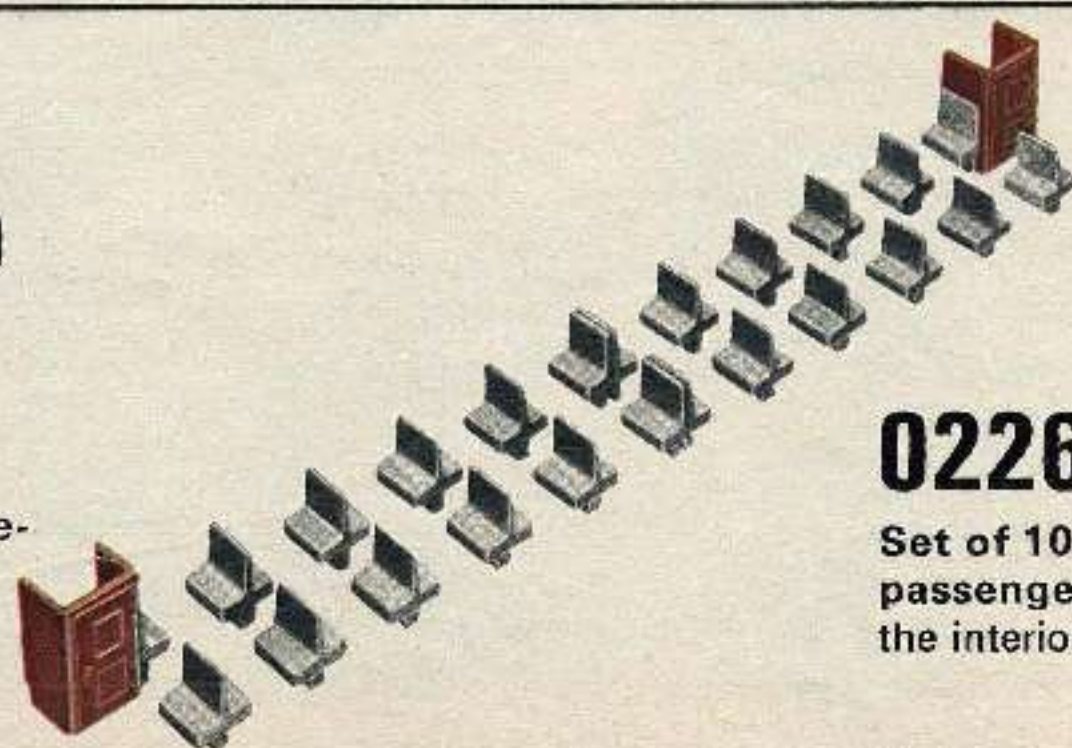
4078

Express coach · 1st class with diner compartment · A model of the German Federal Railways' type AR üm 65 · 1st class compartment section finished in blue on the outside, diner section in red · Windows inset in plastic frames · 9 1/2" long · Arranged to take interior lighting set 7320 (see page 65)

Interior fittings for coaches 4037, 4045, 4066 and 4069

0225

Set of interior fittings for the express coaches, including 18 single-color double seats, 6 single seats and 2 toilet compartments



0226

Set of 10 brightly painted passenger figures to supplement the interior fittings



The interior fittings and figures are made of finely detailed plastic, the figures being hand painted. Illustrated installation instructions are included with every set

...and even interior fittings and passengers

Märklin HO

Express coaches with interior fittings 9 1/2", 10 5/8" long



4053

Express coach · Similar to 4051, but with taillights and current pick-up shoe

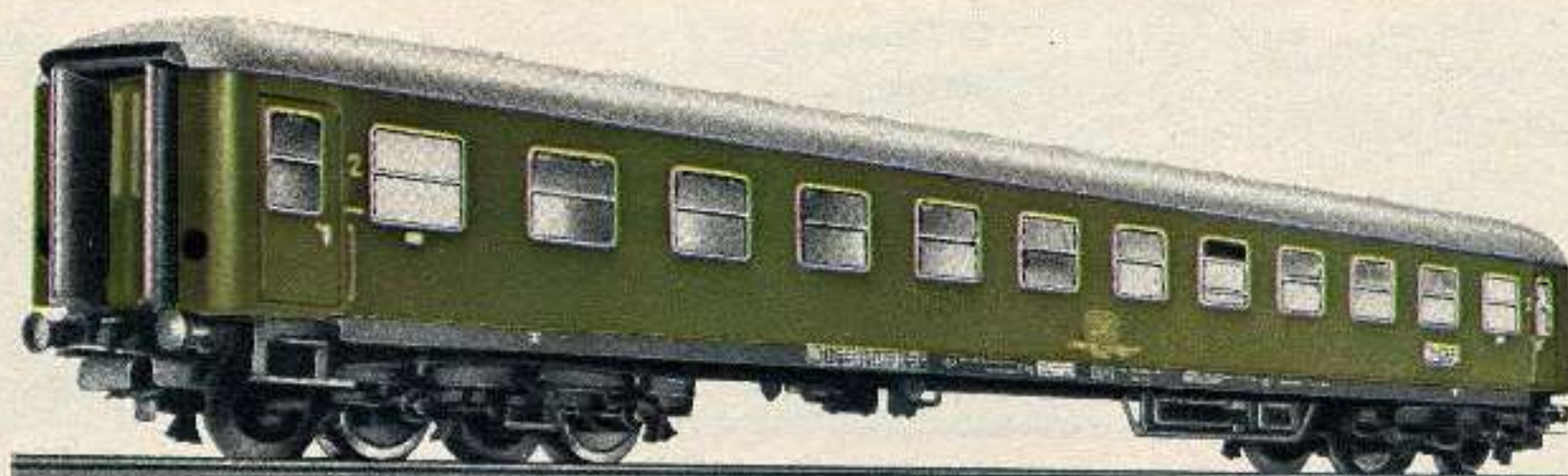
⚡ = 7175

⚡ = 60015



4051

Express coach · 1st class · A model of the German Federal Railways' type A üm · **Interior fittings** · Windows inset in plastic frames · 9 1/2" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

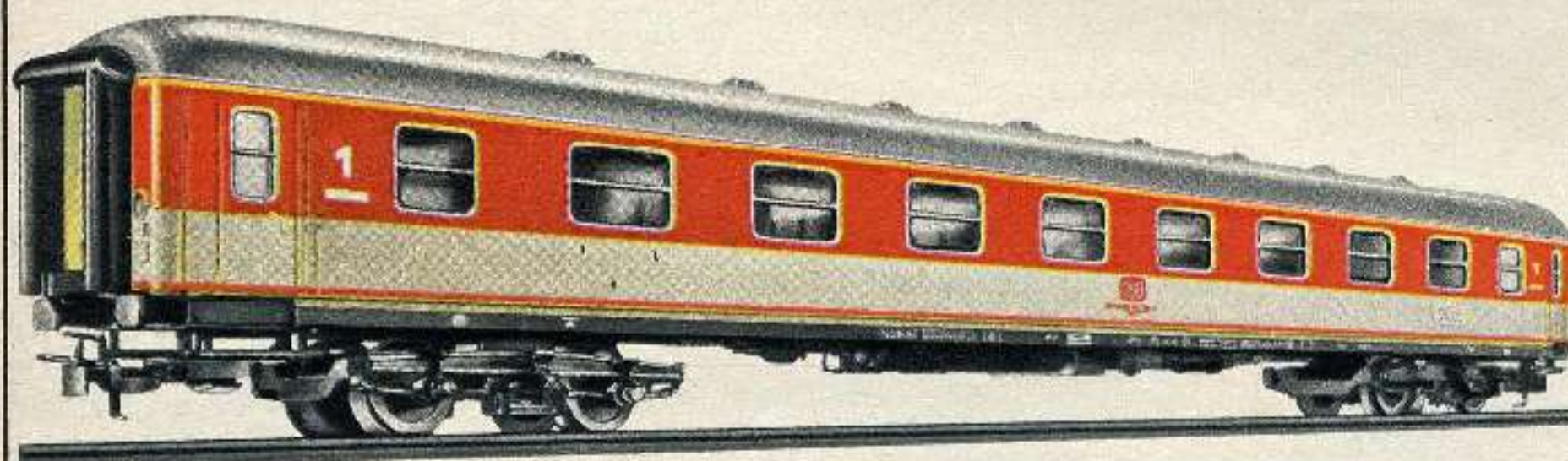
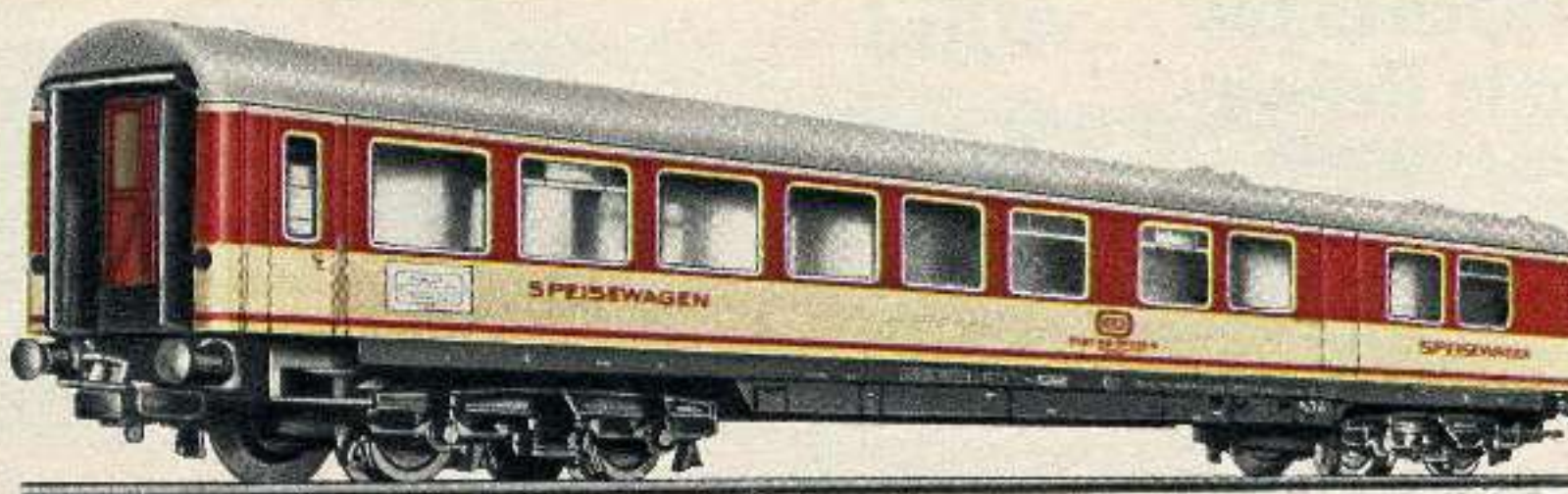


4052

Express coach · 2nd class · A model of the German Federal Railways' type B üm · **Interior fittings** · Windows inset in plastic frames · 9 1/2" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

4054

Express dining car · A model of the German Federal Railways' type WR üm 132 · **Interior fittings**, divided into kitchen and diner sections · Windows inset in plastic frames · 9 1/2" long · Arranged to take interior lighting set 7320 (see page 65)

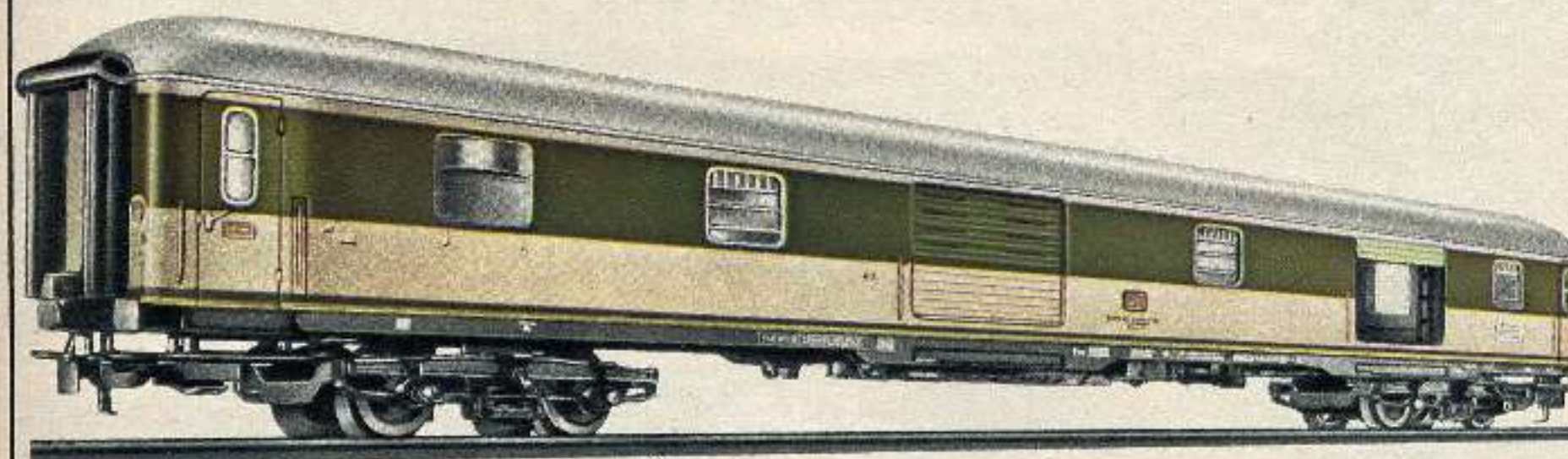
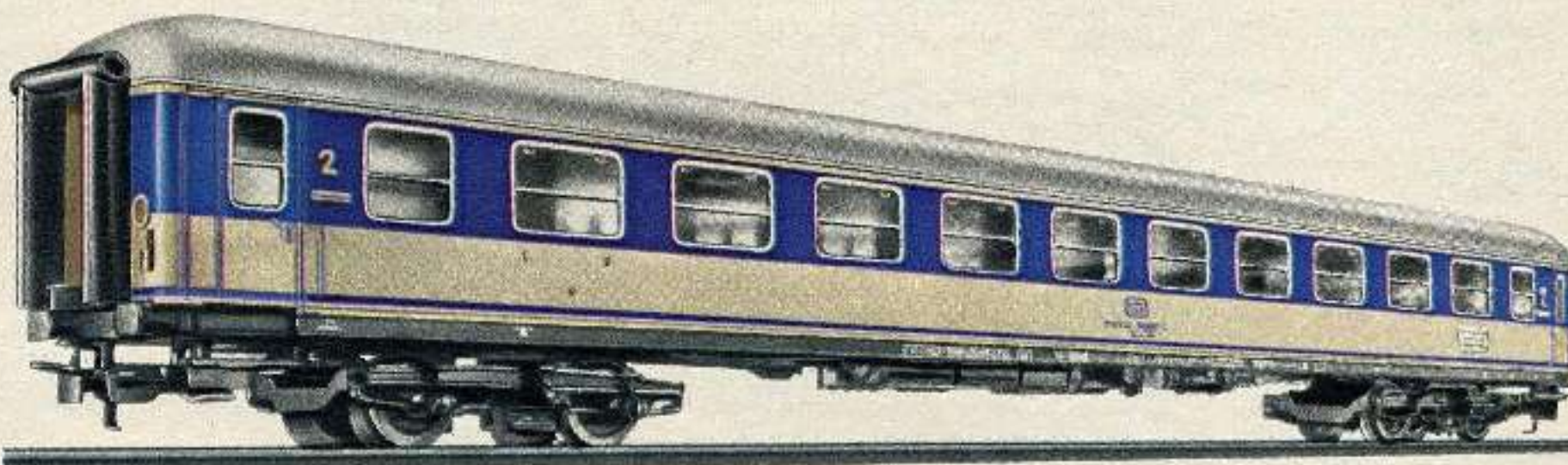


4091

Express coach · 1st class · A model of the German Federal Railways' type A üm 201 · Plastic coach body · **Interior fittings** · Windows inset in plastic frames · 10 5/8" long · Arranged to take interior lighting set 7324 or 7325 (see page 65)

4092

Express coach · 2nd class · A model of the German Federal Railways' type B üm 234 · Plastic coach body · **Interior fittings** · Windows inset in plastic frames · 10 5/8" long · Arranged to take interior lighting set 7324 or 7325 (see page 65)



4093

Express baggage car · A model of the German Federal Railways' type D üm 902 · Plastic car body · **Movable roller shutters** on each side · Windows inset in plastic frames · 10 5/8" long · Arranged to take interior lighting set 7324 or 7325 (see page 65)

4094

Express dining car · A model of the German Federal Railways' type WR ümh 132 · Plastic car body · **Interior fittings**, divided into kitchen and dining sections · Windows inset in plastic frames · 10 5/8" long · Arranged to take interior lighting set 7324 or 7325 (see page 65)



International express coaches

Light weight express coaches of the Swiss Federal Railways

4066

Passenger coach · A model of the Swiss Federal Railways' 1st class coach of Series A 2500 · Windows inset in plastic frames · Roof with longitudinal ribs and simulated ventilators · 9½" long · Arranged to take interior lighting set 7320 (see page 65)



4068

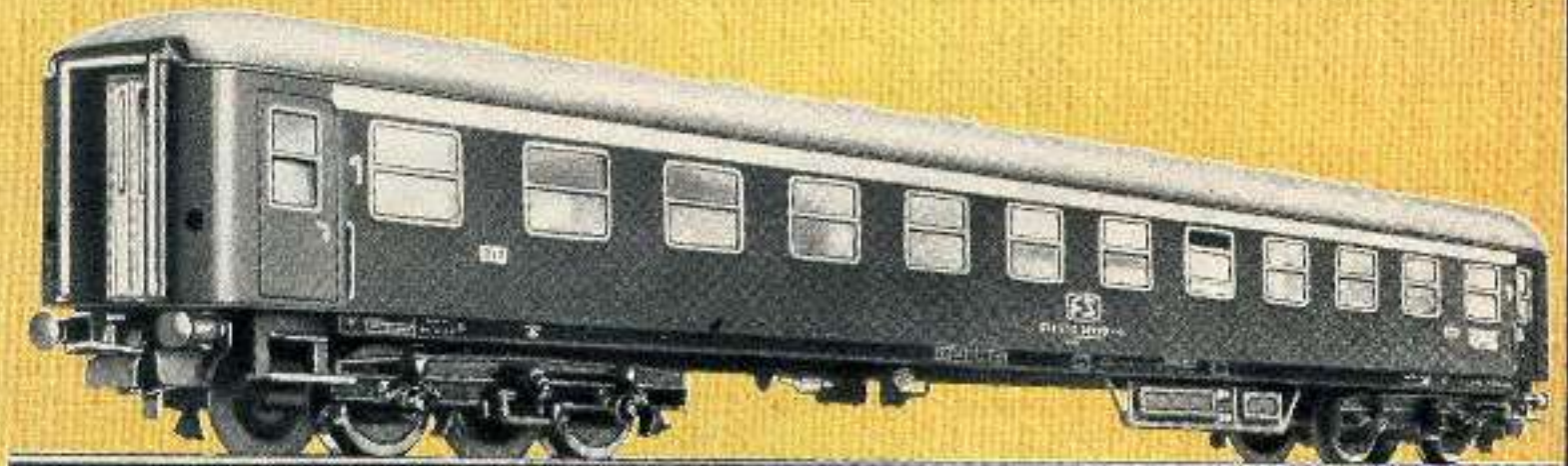
Express dining car · A model of the Swiss Federal Railways' type RIC diner car · Windows inset in plastic frames · Screwed-on roof with longitudinal ribs · Single-bar pantographs on roof · 9½" long · Arranged to take interior lighting set 7077 (see page 65)



Express coach of the Italian State Railway

4063

Express car · 1st class · A model of the Italian State Railways' type FS Az · **Interior fittings** · Windows inset in plastic frames · 9½" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

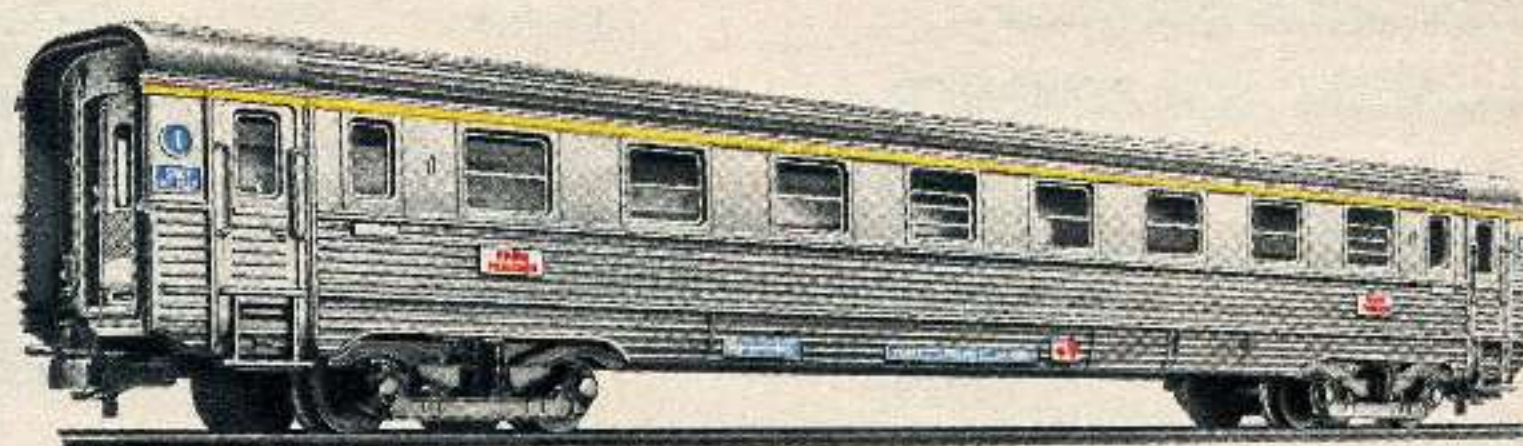


International express coaches

Express coach of the French State Railways

4076

Express coach · 1st class · A model of the French State Railways' (SNCF) stainless steel type A8 myfi · Plastic coach body · Interior fittings · Windows inset in plastic frames · 9½" long · Arranged to take interior lighting set 7197 (see page 65)



Express coach of the Netherlands Railways

4049

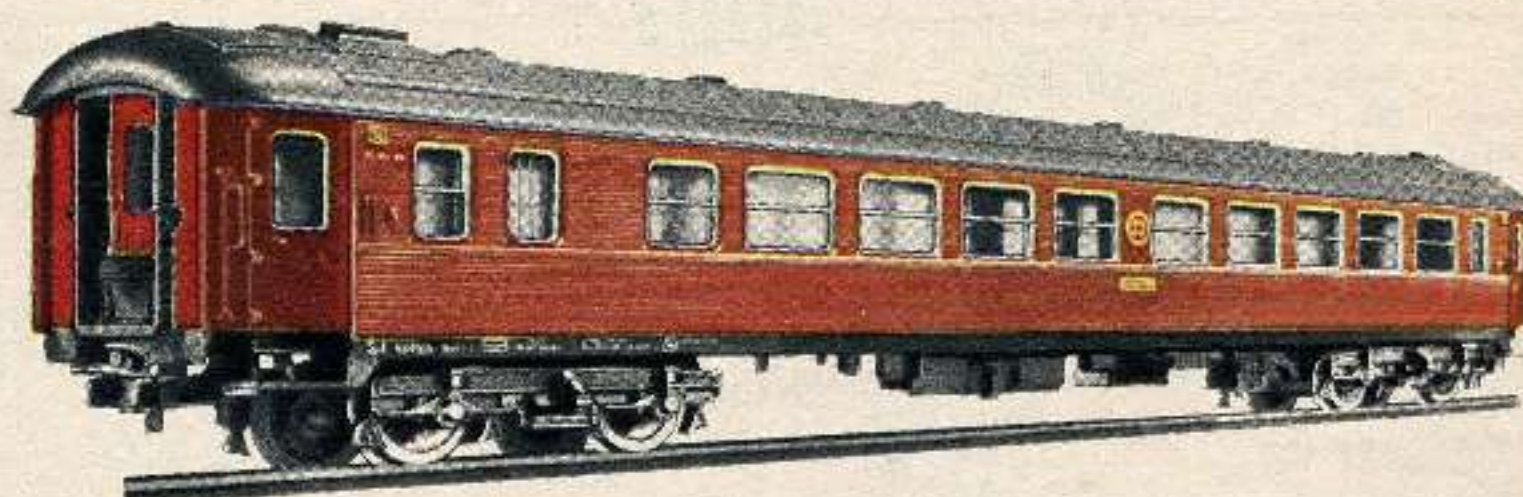
Express passenger coach · 2nd class · A model of the Netherlands Railways' type B 6600 · Windows inset in plastic frames · 9½" long · Arranged to take interior lighting set 7320 (see page 65)



Express coaches of the Swedish State Railways

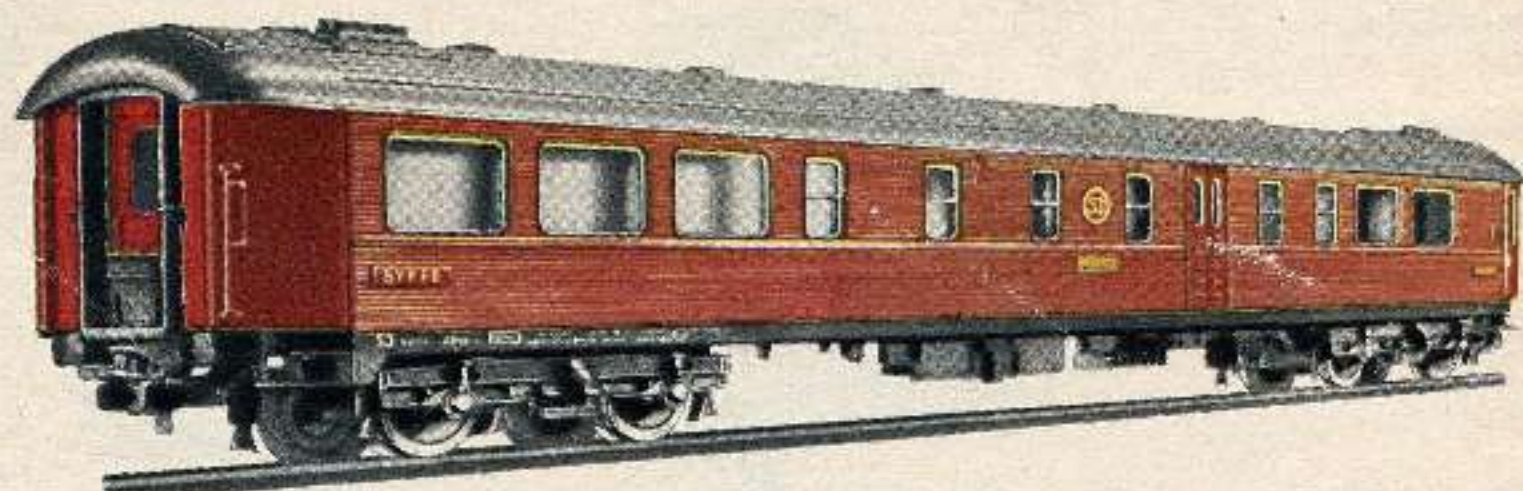
4072

Express coach · 2nd class · A model of the Swedish State Railways' type Bo 1 · Plastic coach body · Windows inset in plastic frames · 9½" long · Arranged to take interior lighting set 7197 (see page 65)



4073

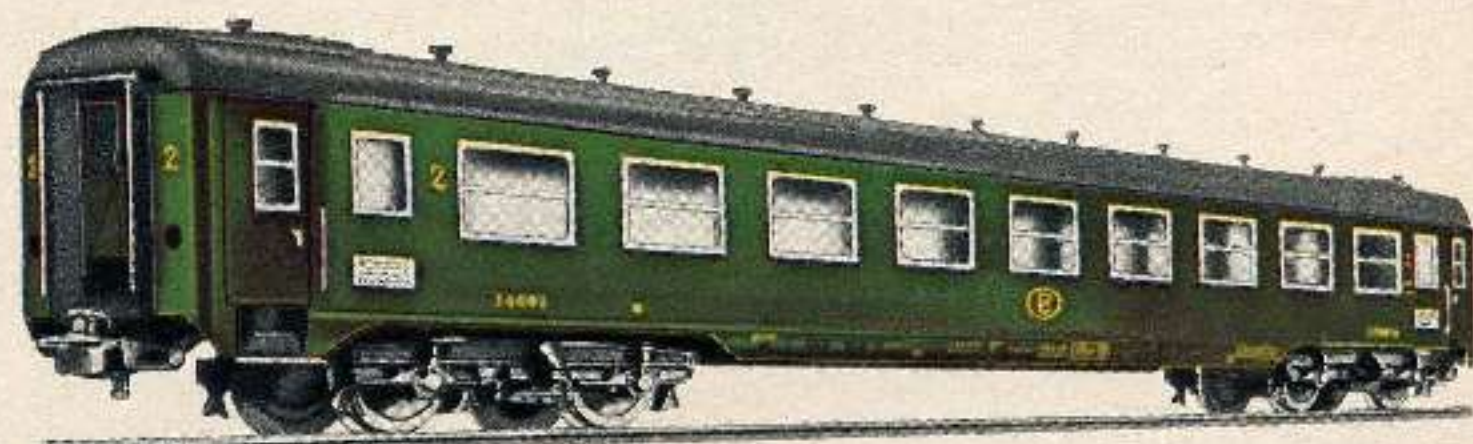
Express dining car · A model of the Swedish State Railways' type RBo 2 · Plastic car body · Windows inset in plastic frames · 9½" long · Arranged to take interior lighting set 7197 (see page 65)



Express coach of the Belgian State Railways

4069

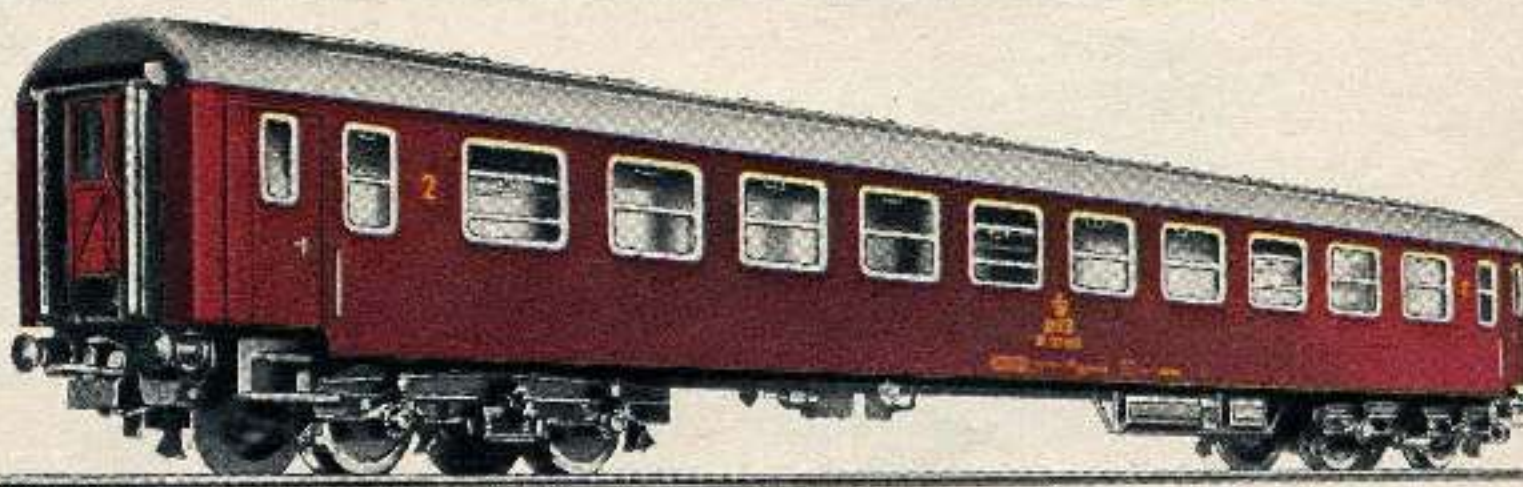
Express couchette car · 2nd class · A model of the Belgian State Railways' (SNCB) type RIC couchette car · Roof with simulated ventilators · Windows inset in plastic frames · 9½" long · Arranged to take interior lighting set 7320 (see page 65)



Express coach of the Danish State Railways

4045

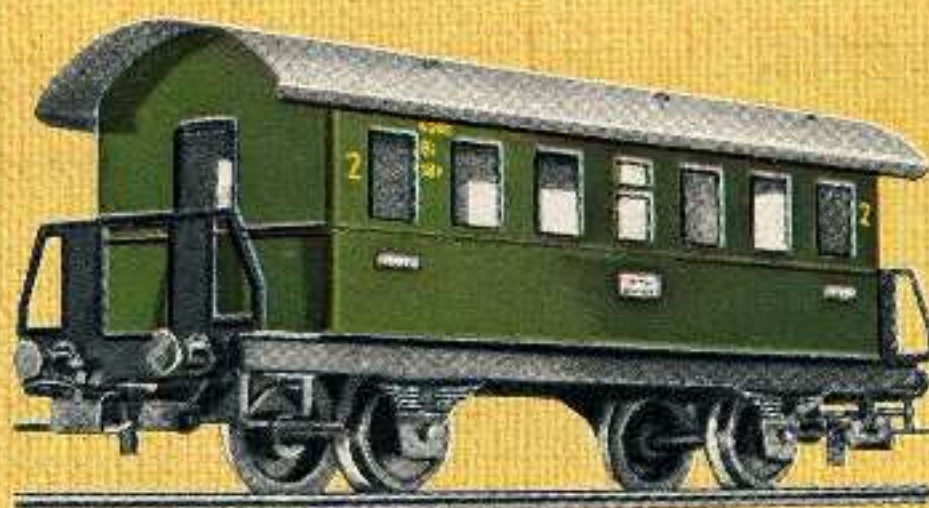
Express coach · 2nd class · A model of the Danish State Railways' type B 2300 · Windows inset in plastic frames · 9½" long · Arranged to take interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



The passenger and express coaches on pages 38/39 are equipped with automatic coupling and advance uncoupler (RELEX).

Passenger coaches

with automatic coupling and advance uncoupler (RELEX, see page 42)



4000

Passenger coach · Platform and entrance at each end · Open windows · 4 3/4" long



4004

Compartment coach without brakeman's cab · Sides divided up into 6 compartments · Windows glazed with "cellon" plate · 5 1/4" long · Arranged to take interior lighting set 7074 (see page 65)

4005

Compartment coach with brakeman's cab · Sides divided up into 6 compartments · Windows glazed with "cellon" plastic · 5 1/4" long · Arranged to take interior lighting set 7074 (see page 65)

4007

Passenger coach · A model of a private railroad coach · Platform and entrance at each end · Plastic coach body · Simulated ventilators · Windows inset into plastic frames · Interior fittings · 4 1/4" long · Arranged to take interior lighting set 7323 (see page 65)

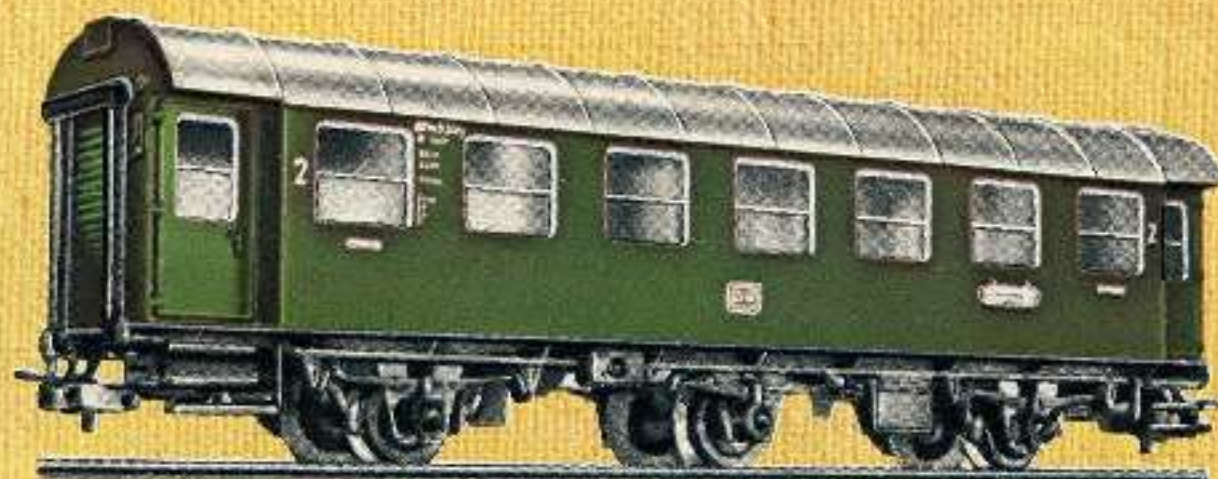


4008

Baggage car · A model of the Stuttgart Railways car No. 0116911 · Platform and entrance at each end · Simulated ventilators and superstructure for conductor's cab · Windows inset in plastic frames · 4 1/4" long · Arranged to take interior lighting set 7323 (see page 65)

4040

Passenger coach · Platform and entrance at each end · Open windows · 4 3/4" long

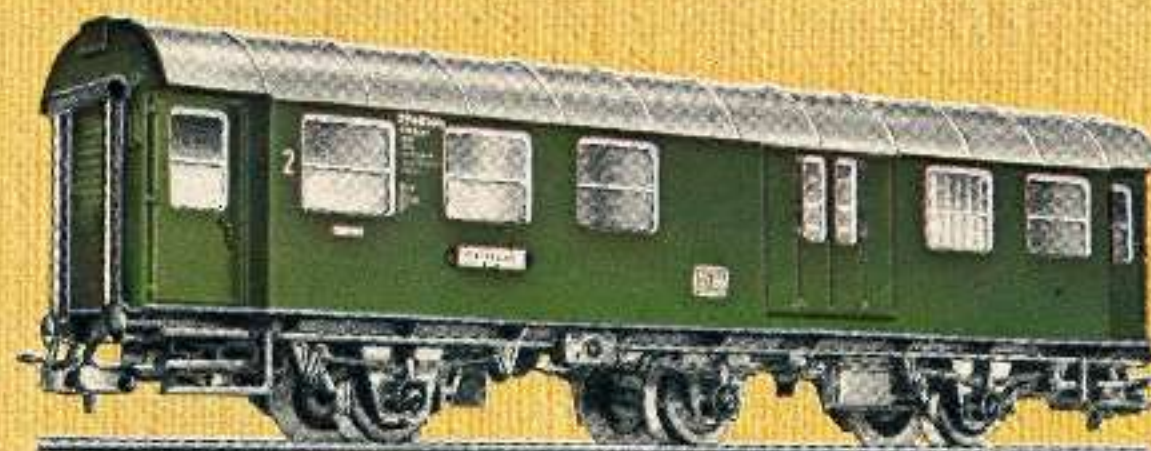


4079

Passenger coach · A model of the German Federal Railways' type B3yge · Plastic coach body · Windows inset in plastic frames · Simulated rubber beading · 6" long · Arranged to take interior lighting set 7074 (see page 65)

4080

Passengers coach with baggage compartment · A model of the German Federal Railways' type BD3yge · Plastic coach body · Windows inset in plastic frames · Simulated rubber beading · 6" long · Arranged to take interior lighting set 7074 (see page 65)



Adapted to the most varied transport tasks

MärklinHO

Freight cars 4500

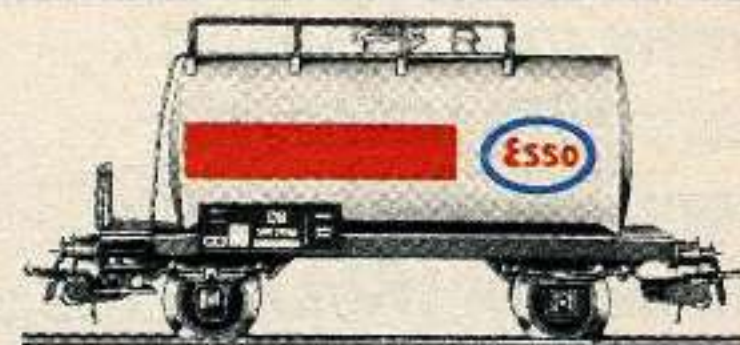
Freight cars with plastic bodies and automatic coupling and advance uncoupler (RELEX, see page 42)

All the underframes of these cars are made of metal and painted mat black. All wheels are of die-cast zinc. All lengths quoted are measured over the buffers.



4500

Tank car · ARAL · 4" long



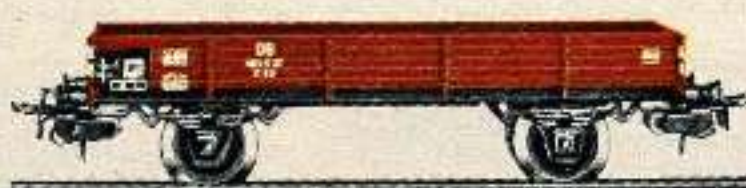
4501

Tank car · ESSO · 4" long



4502

Tank car · SHELL · 4" long



4503

Low-sided car · 4" long



4504

Low-sided car · Loaded with miniature automobile · 4" long



4505

Box car · 4" long



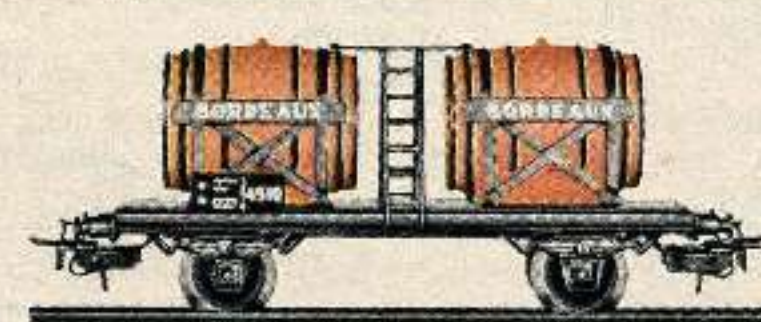
4508

Refrigerator car · 4" long



4509

Banana car · 4" long



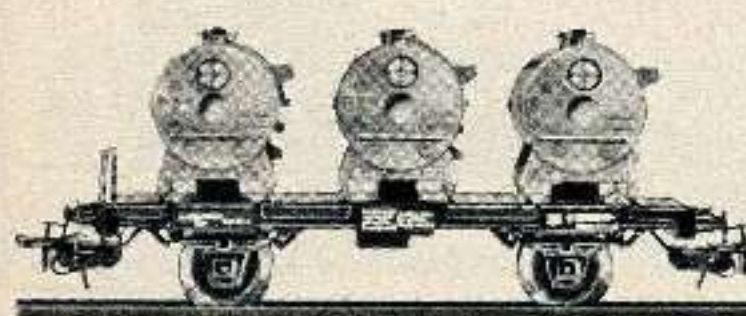
4510

Wine car · 4" long



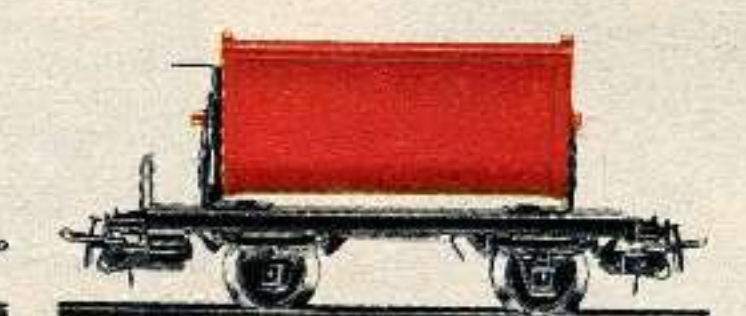
4511

Pulverised coal car · 4" long



4520

Chemical container car · BAYER · Containers can be removed by crane 7051 · 4 1/4" long



4513

Dump car · Will dump to either side · With locking lever · 3 3/4" long



4506

Box car · Working taillights placed at side · Current pick-up shoe · 4" long

⚡ = 60010



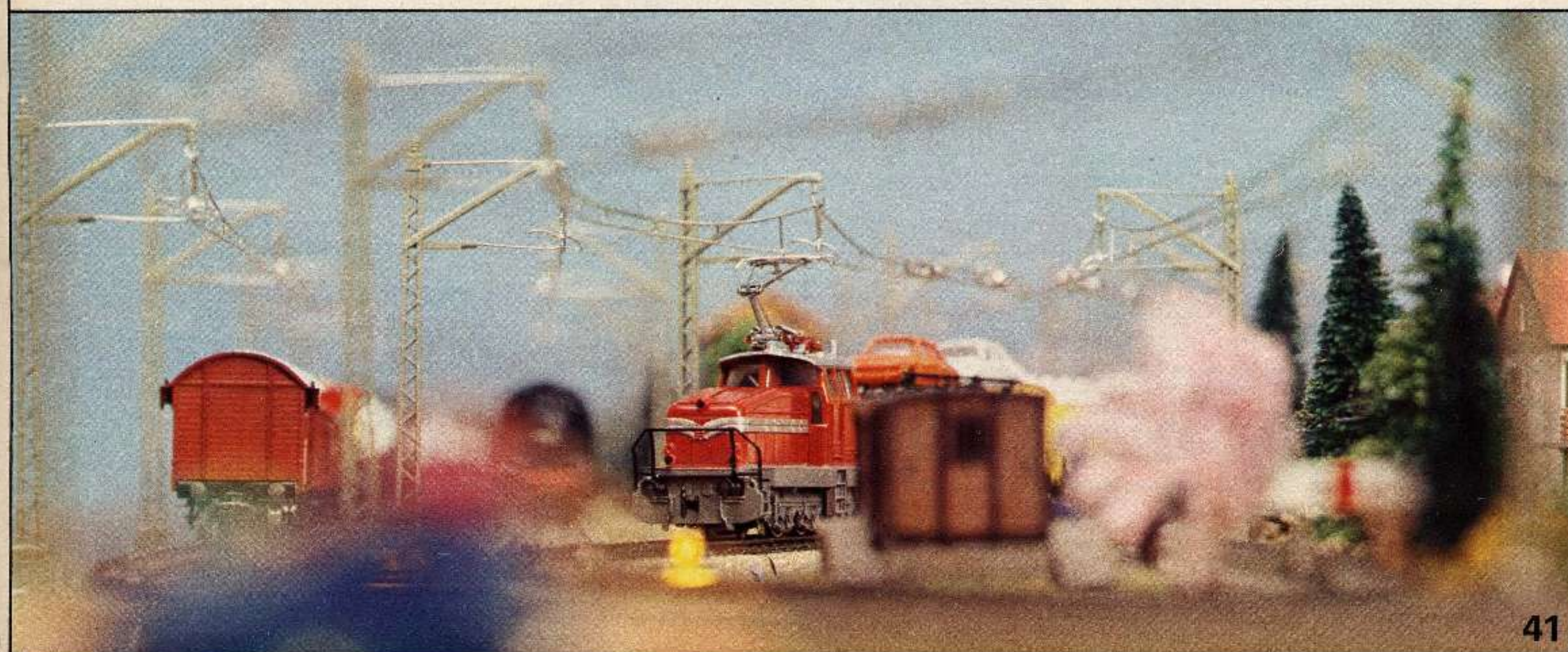
4514

Low-sided car · 7 1/4" long



4517

Covered flat car · 7 1/4" long



Scale model freight cars 4600

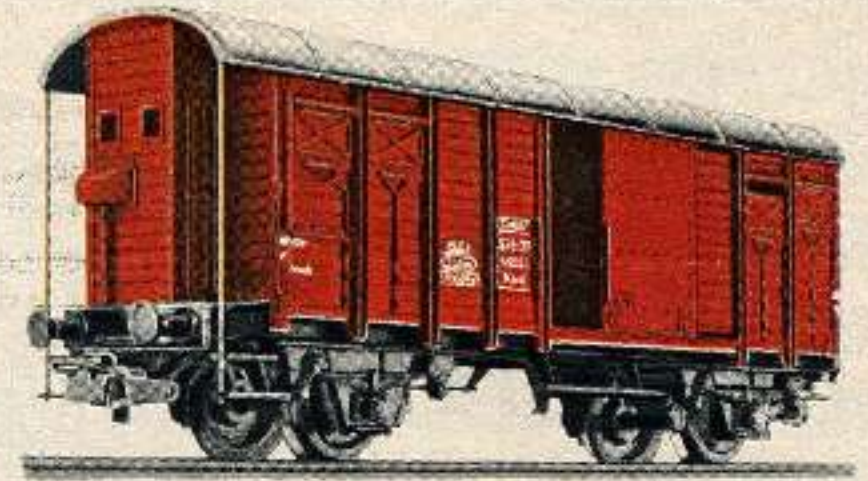
Scale model freight cars with automatic coupling and advance uncoupler (RELEX)

We have specially worked out the details of these models. The RELEX coupling is quite essential for realistic switching. When the coupling has been opened by means of an uncoupling track section, the catch of the coupling remains open so that the car can be pushed away or allowed to roll down a ramp.



4600

Freight train luggage car (German Federal Railways' type Dg) · Doors on both sides which will open · 3½" long



4605

Box car with brakeman's cab, of the Swiss Federal Railways (SBB-K³) · Doors on both sides which will open · 4¼" long



4601

Open freight car with brakeman's cab (German Federal Railways' type Omm 33) · 4¾" long



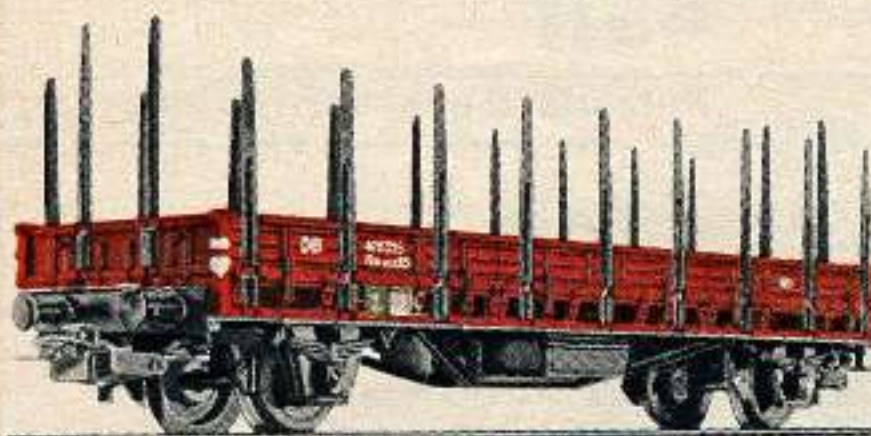
4602

Open freight car (German Federal Railways' type Omm 52) · 4¾" long



4604

Open freight car (German Federal Railways' type Omm 52) · With removable load simulating coal · 4¾" long



4607

Low-sided car with stakes (German Federal Railways' type Rmms 33), with removable stakes which can be stored in the sliding box under the floor of the car · 5¾" long



4612

Automobile transporter with loading ramp · Not loaded · 4¾" long · (On the German Federal Railways two transporters are always coupled together to form a unit known as "Off 52")



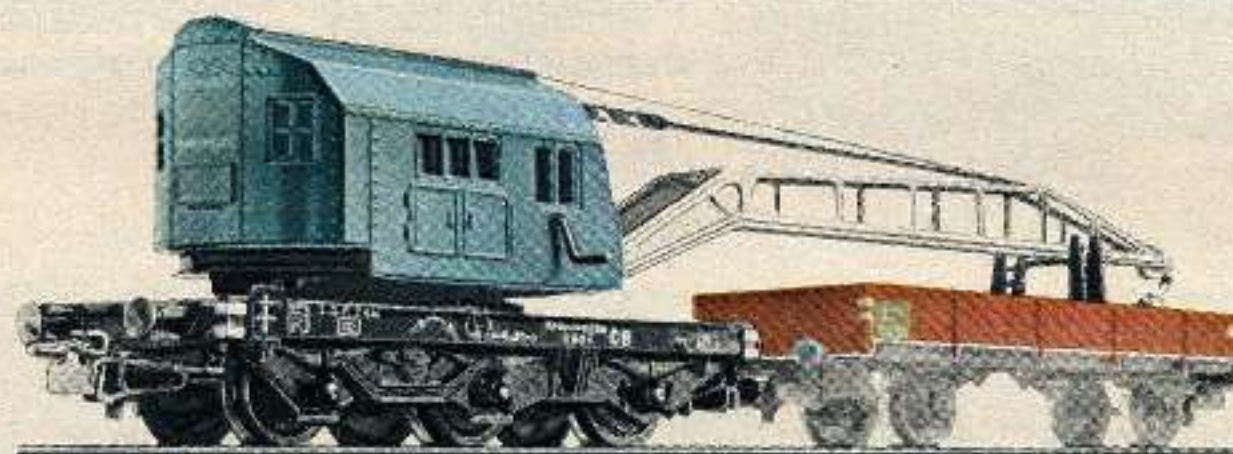
4613

Automobile transporter with loading ramp · Loaded with miniature automobiles · 4½" long



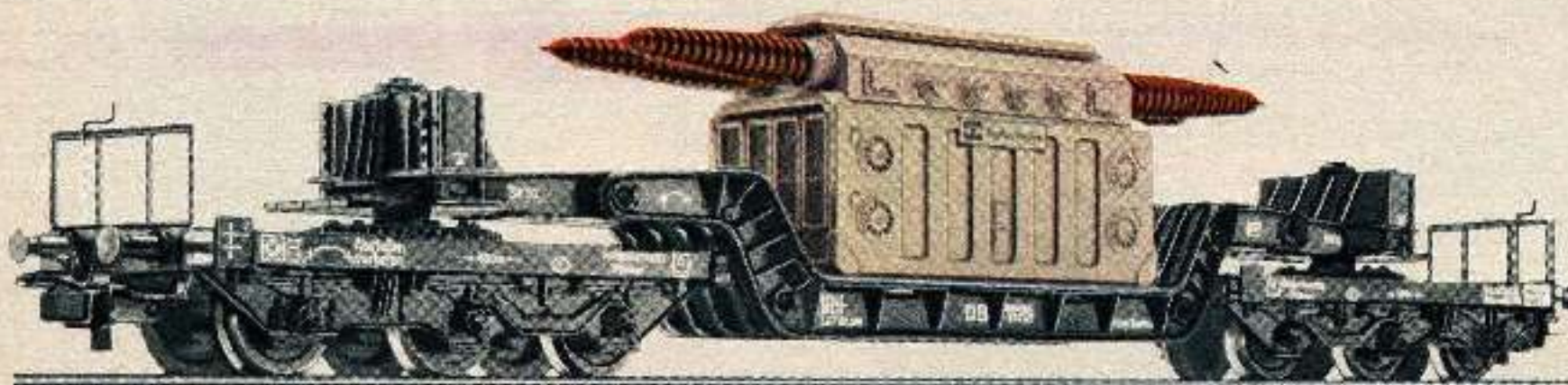
4610

Ballast car with unloading doors operated by hand lever · 3¾" long



4611

Crane car with slewing crane with movable boom and boom support · Crane hook can be raised and lowered by handle · Underframe 3¾" long · (Low-sided car 4503 is not included in the price, but is recommended for moving the crane car)



4617

Depressed center flat car · Loaded with a transformer · 9¾" long



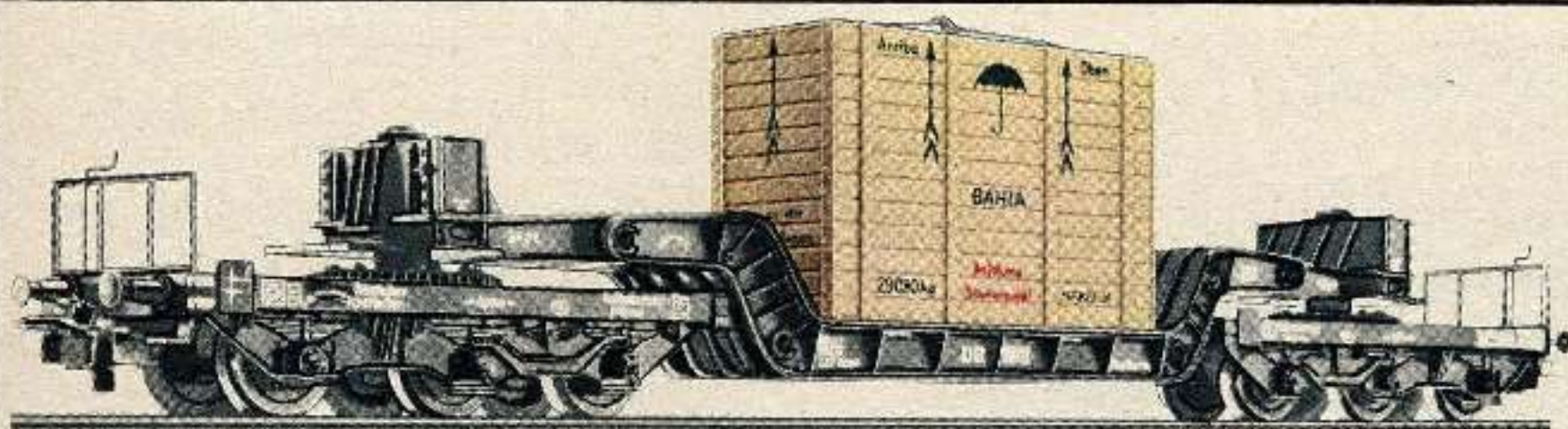
4619

Sliding-roof car (German Federal Railways' type Kmmks 51) · The two halves of the roof will slide open · 4¾" long

...the crane is completely free to move, the containers on dump cars will tip

Märklin HO

Scale model freight cars 4600



4618

Depressed center flat car · Loaded with crate · 9 $\frac{1}{4}$ " long



4632

Beer car · 7 $\frac{3}{4}$ " long



4624

High-capacity freight car · A model of the German Federal Railways' type OOtz 50 · 5 $\frac{1}{4}$ " long
This type of car is used in international traffic for transporting coal, coke, ore, etc., generally in complete trains which are not broken up until they reach their final destination.



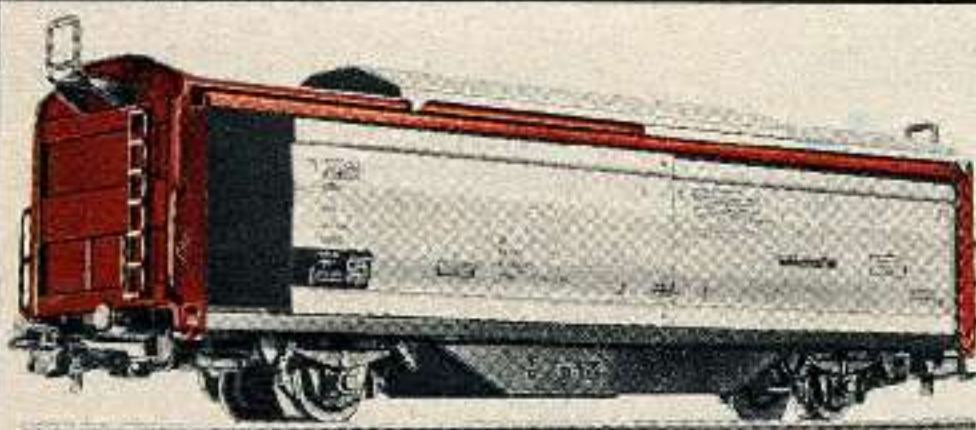
4626

High-capacity freight car with hinged roof covers · A model of the German Federal Railways' type KKt 57 · All the covers will open · 5 $\frac{1}{4}$ " long
On a number of high-capacity freight cars, fixed covers are fitted so that bulk materials which need protection from the elements, e.g. grain, can also be carried.



4631

Side dumping car with opening doors · A model of the German Federal Railways' type Otmm 70 · 4 $\frac{1}{4}$ " long
The discharging doors can be opened by hand levers, or by remote control using the uncoupling track section 5112 (page 48) and 2197 (page 55).



4633

Freight car with sliding sides and sliding roof (German Federal Railways' type Klmmgks 66) · The halves of the roof and the doors will slide open · 6 $\frac{1}{4}$ " long



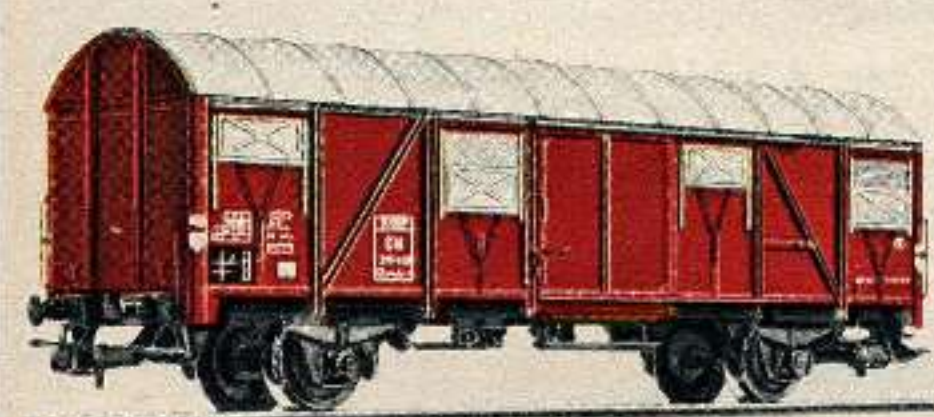
4634

Beer car · A model of a car belonging to the Dortmunder Union Brewery · Roof with simulated ventilators · 5 $\frac{1}{4}$ " long



4635

Dump car · A model of the German Federal Railways' type Ommi 51 · Tips after the center holding bar is unfastened · 4 $\frac{1}{4}$ " long



4627

Box car · A model of the German Federal Railways' type Glmmehs 57 · 5 $\frac{1}{4}$ " long



4644

Tank car · A model of the standard tank car with BP markings · 4 $\frac{1}{4}$ " long



4646

Tank car · A model of the standard tank car with ARAL markings · 4 $\frac{1}{4}$ " long

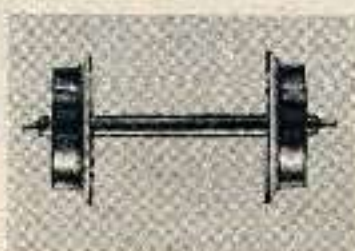


4639

Open freight car · A model of a Netherlands State Railways' car · 4 $\frac{1}{4}$ " long

Märklin-HAMO Sets of wheels

for two-rail
DC operation



7587

Wheel set, consisting of 3 sets of axles · For converting cars 4611, 4617 and 4618 to two-rail DC operation

7588

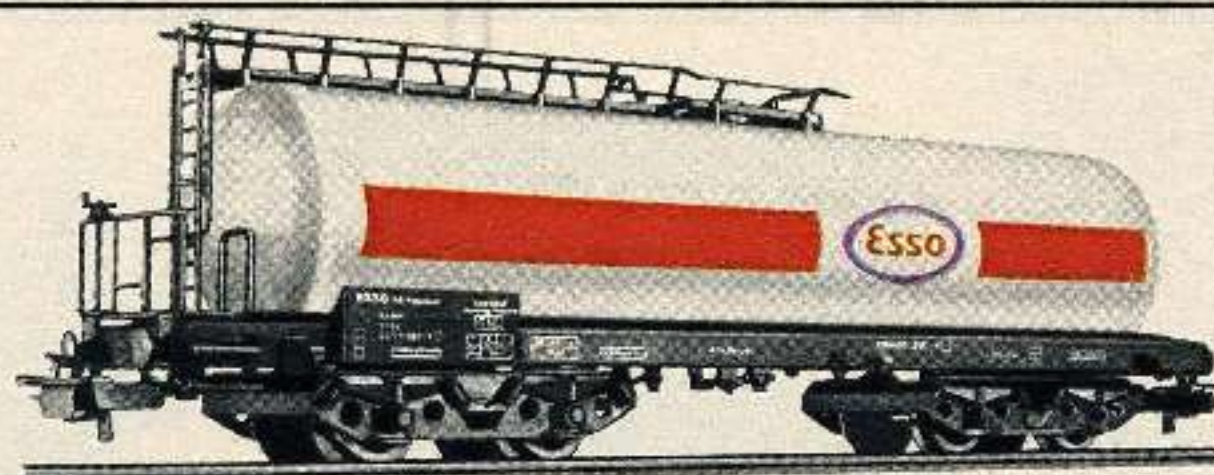
Wheel set, consisting of 4 sets of axles · For converting all cars of the 4600 series (except 4611, 4617, 4618, 4631, 4633, 4635, 4644, 4646, 4657, 4664, 4668 and all freight cars with 4 axles) to two-rail DC operation

Märklin HO

Scale model freight cars 4600

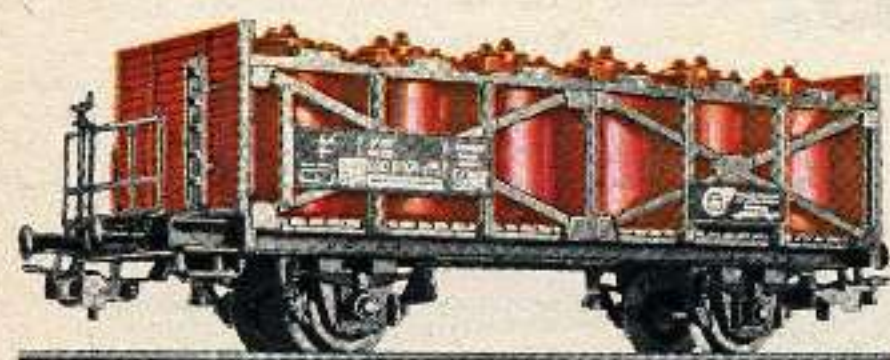
Removable containers, cars owned privately by famous breweries...

Scale model freight cars with automatic coupling and advance uncoupler (RELEX, see page 42)



4650

Tank car · ESSO · 6½" long



4657

Acid container car · A model of an acid container car of the German Federal Railways · 12 simulated acid containers made of plastic · 4¾" long



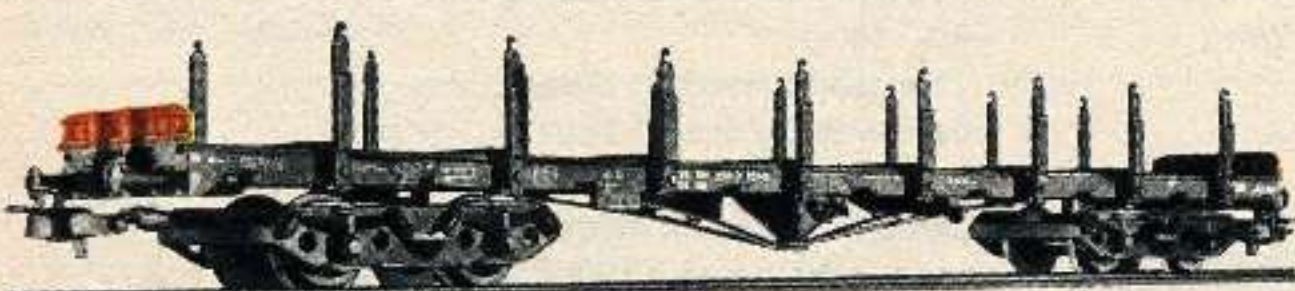
4658

Car for fine bulk material · A model of the German Federal Railways' type Kds 54, in use as a private car of the Franken Sugar Co. · 4" long



4660

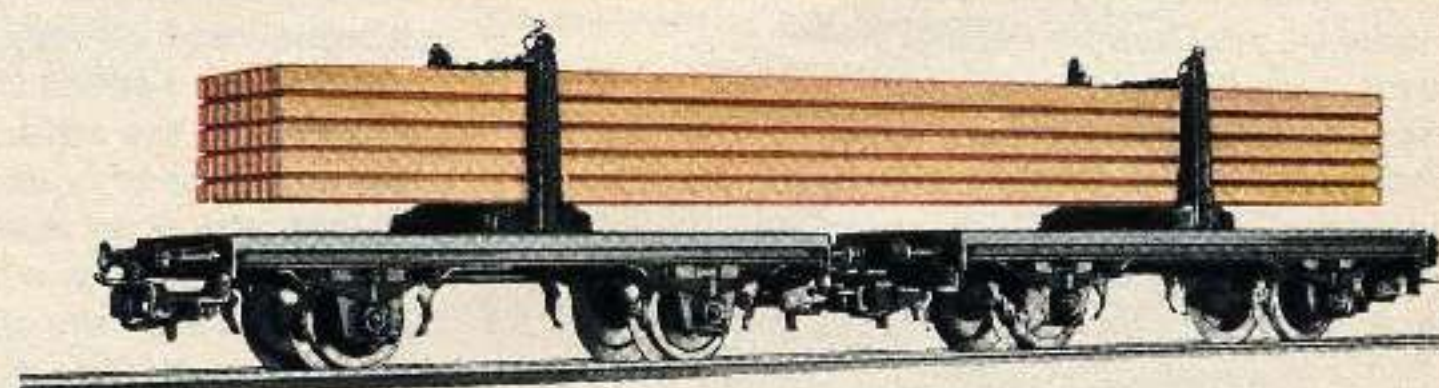
Beer car · A model of a car owned by the Kulmbacher Mönchshof-Bräu · Roof with simulated ventilators · 5¾" long



4663

Flat car · A model of the German Federal Railways' type SSImas 53 · Die-cast zinc body · Side stanchions fold down · 9" long

NEW



4665

Logging car, in 2 parts · Loaded with square timbers · 7¾" long



4664

Container car · A model of the German Federal Railways' "Berlin" type container car · Loaded with two removable containers · 6" long



4666

Beer car · A model of a car owned by the Würzburger Hof Brewery · Roof with simulated ventilators · 5¾" long



4667

Beer car · A model of a car owned by the Bavaria St. Pauli Brewery · Roof with simulated ventilators · 5¾" long



4668

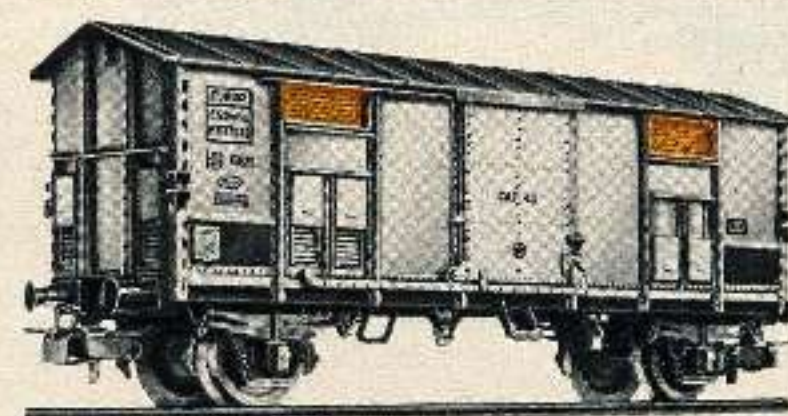
Container car · A model of the German Federal Railways' "Berlin" type container car · Loaded with 2 removable containers · 6" long



7291

Pack of 4 containers, with different inscriptions · Will fit on the under-frame of cars 4664 and 4668

NEW



4550

Box car · A model of an Italian State Railways' car (FS) · 4¾" long

NEW

...true to the originals on a reduced scale for friends of Märklin

Märklin HO

The layout of the year

**Our suggestion:
Layout of the Year
SET-HO 123
with Toporama 7298**

This layout consists of Basic Set S (2920-2929 or 2930-2939), supplementary set E 5190 or 5191, double track set T 1 5192, station track set T 2 5193 and switching track set T 3 5194 = SET 123. For track plan and list of parts, see page 51. Note too, pages 52 and 53.



American freight cars



4575

Gondola · A "Dixie" line model · 7 7/8" long



4576

Caboose · Roof superstructure with walkway and ladders · 3 1/8" long



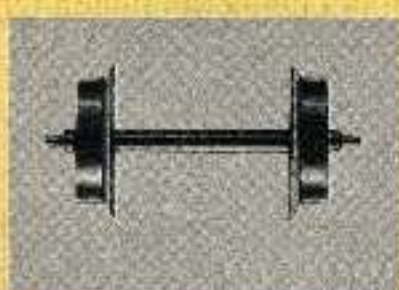
4577

Caboose · Roof superstructure with walkway and ladders · 3 1/8" long

Märklin-HAMO Sets of wheels for two-rail DC operation

7587

Wheel set, consisting of 3 sets of axles · For converting cars 4611, 4617 and 4618 to two-rail DC operation



7588

Wheel set, consisting of 4 sets of axles · For converting all cars of the 4600 series (except 4611, 4617, 4618, 4631, 4633, 4635, 4644, 4646, 4657, 4664, 4668 and all freight cars with 4 axles) to two-rail DC operation



4571

Box car · A model of a Western Pacific Railroads' 50-ton box car · Roof walk mounted on roof · Doors which will open on both sides · 8" long

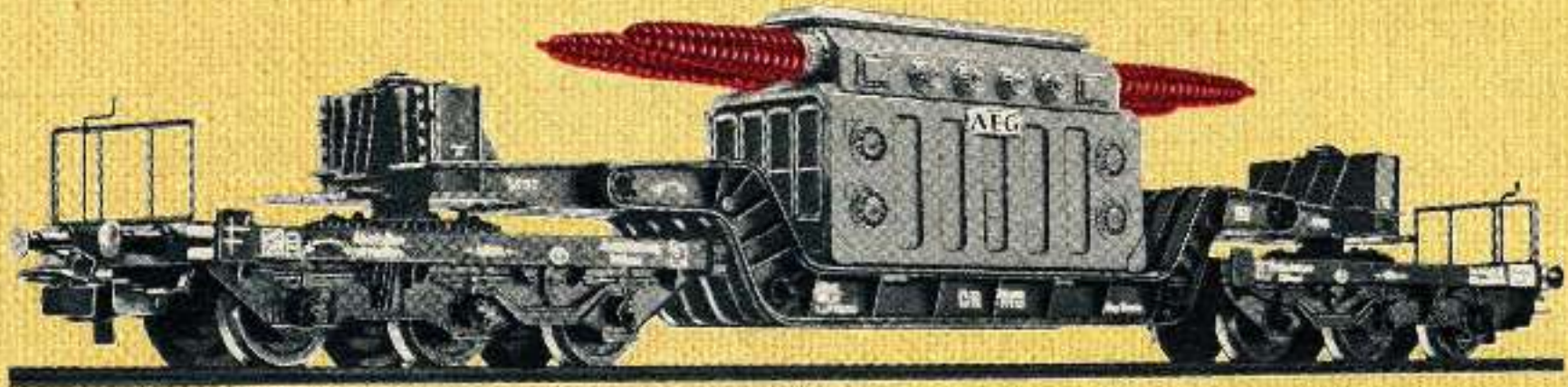
Märklin HO *The cars you build yourself give the most pleasure*

Car kits

Car kits

These car kits enable you to build your own cars. Each kit includes the necessary illustrated instructions and all kits include automatic couplings with advance uncoupler (RELEX). To assemble them the only tools needed are a screwdriver and a pair of pliers, with a hammer in addition for car 4902.

The models 4802, 4918, 4921, 4934 and 4937 are available only in kit form.



4917

Depressed center freight car kit
Assembled kit 4917



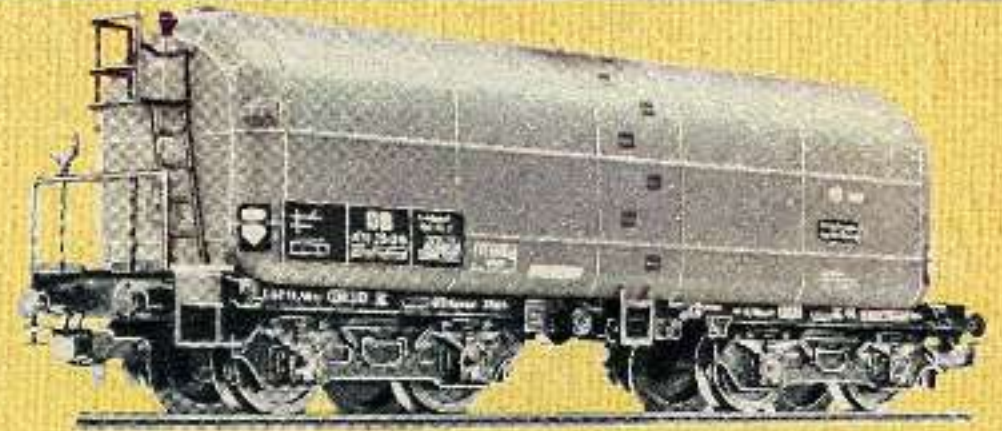
4902

Open freight car kit
Assembled kit 4902



4918

Refrigerator car kit
Assembled kit 4918



4921

High-capacity tank car kit
Assembled kit 4921



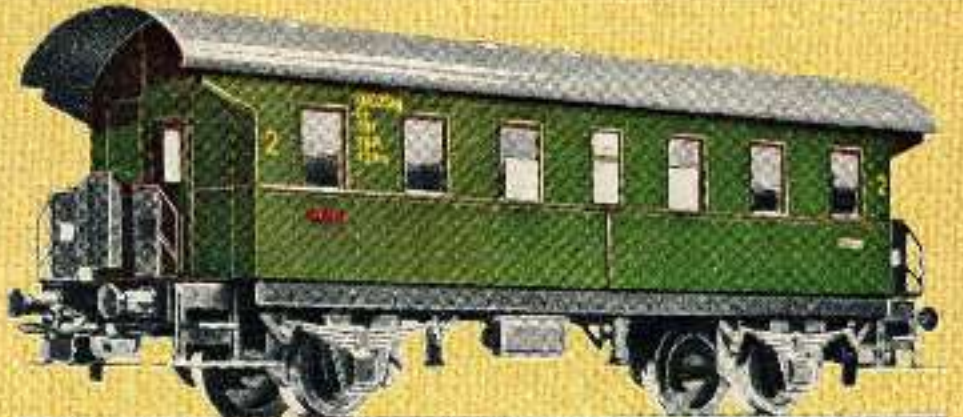
4934

Beer car kit
Assembled kit 4934



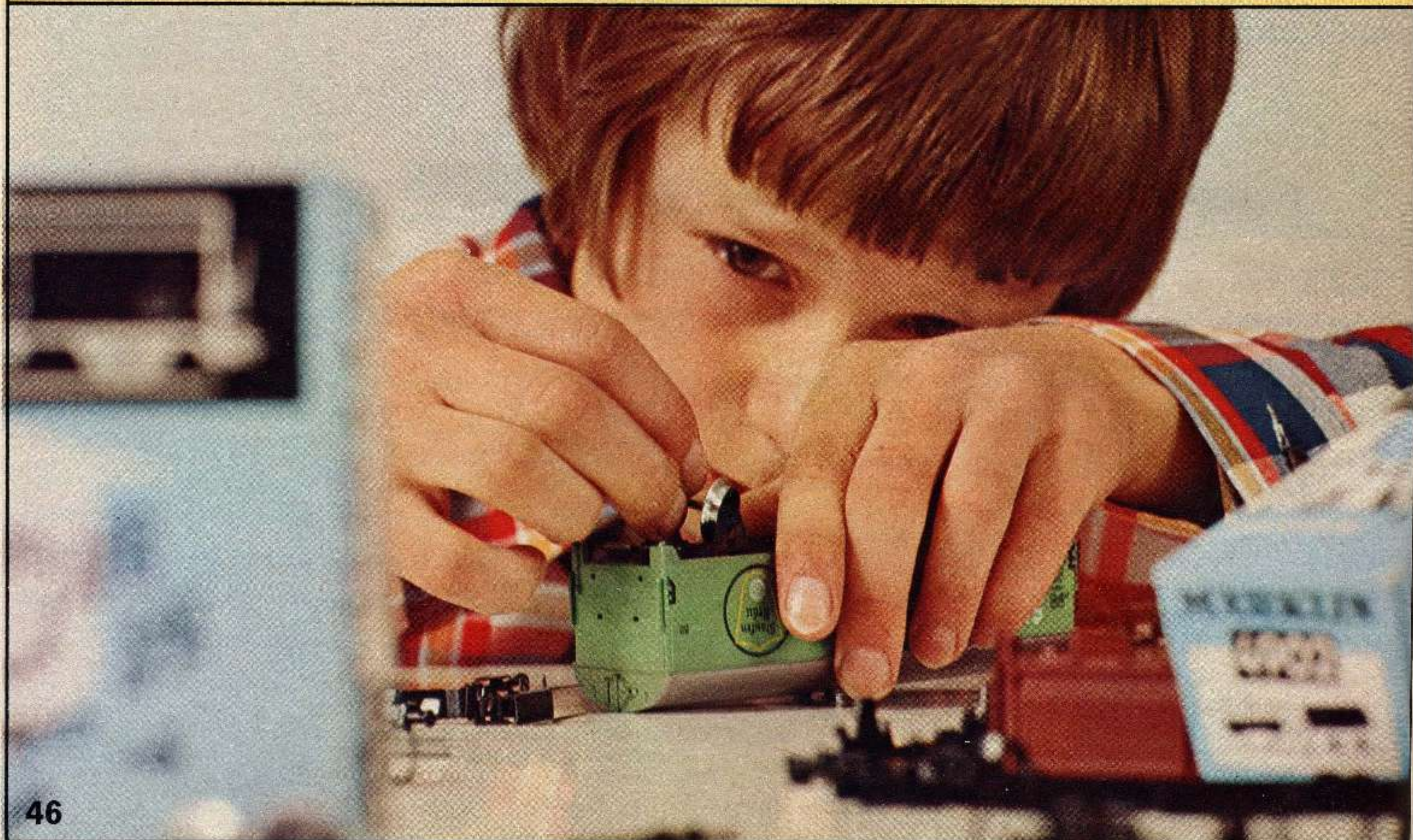
4937

Box car kit
Assembled kit 4937



4802

Passenger coach kit
Assembled kit 4802



Märklin M-tracks (M = Metal rail ties) for trouble-free layout

Here we show our proven metal track. The special feature of this track is the covered current conductor in the road with stud contacts at the center of the track. The long current collectors between the wheels of the locomotives slide over these contacts. Each track section consists of the roadbed, which looks very realistic with its rock ballast and strong ties, and the two rails which are electrically connected to the roadbed. At

the opposite ends of each rail is a joiner. The current-carrying rail has spring contact tongues at both ends. These lock together when the track sections are joined, the joiners mentioned sliding over the outer rails at the same time. The result is the reliable electrical contact which is the feature of the Märklin system and at the same time, the track sections are held firmly together mechanically.

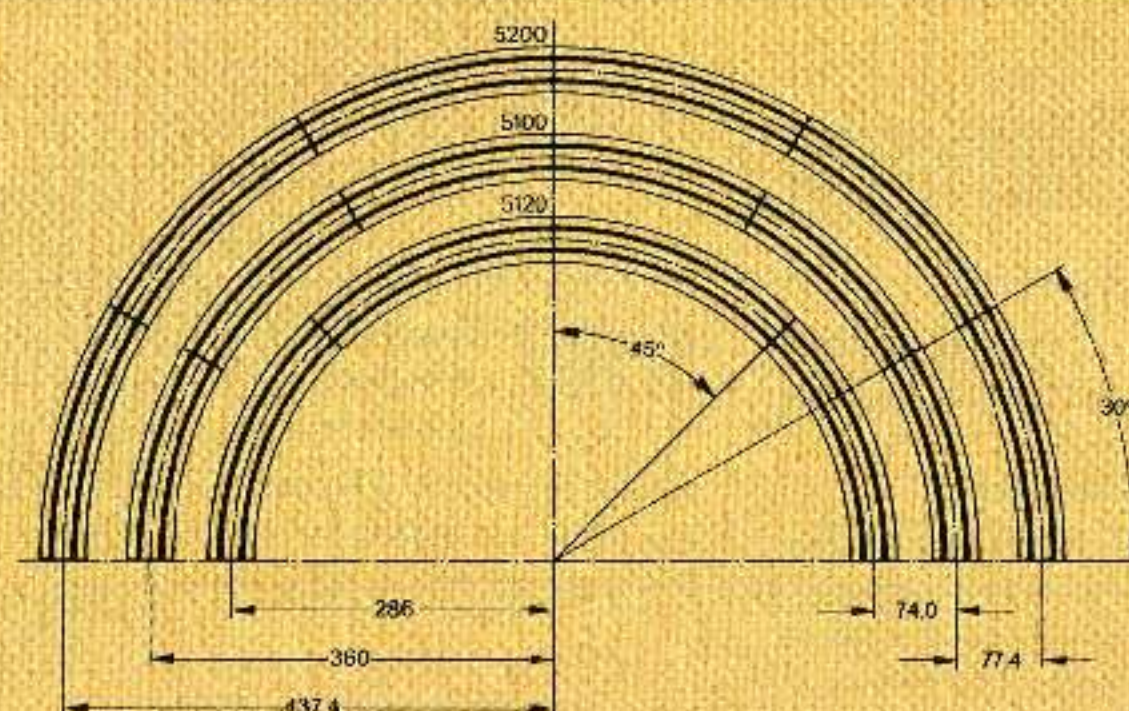
The screws needed for mounting the track when sound deadening strips 7171 (see page 50) are used, are included. When sound deadening strips are not used, the screws 7299 (see page 48) are recommended.

How the different Märklin M-track circles compare

The drawing shows the three Märklin M-track circles, with their radii, intervals and angles, and also the number of track sections required for a half circle

1 circle 5200 = 12 track sections
1 circle 5100 = 12 track sections
1 circle 5120 = 8 track sections

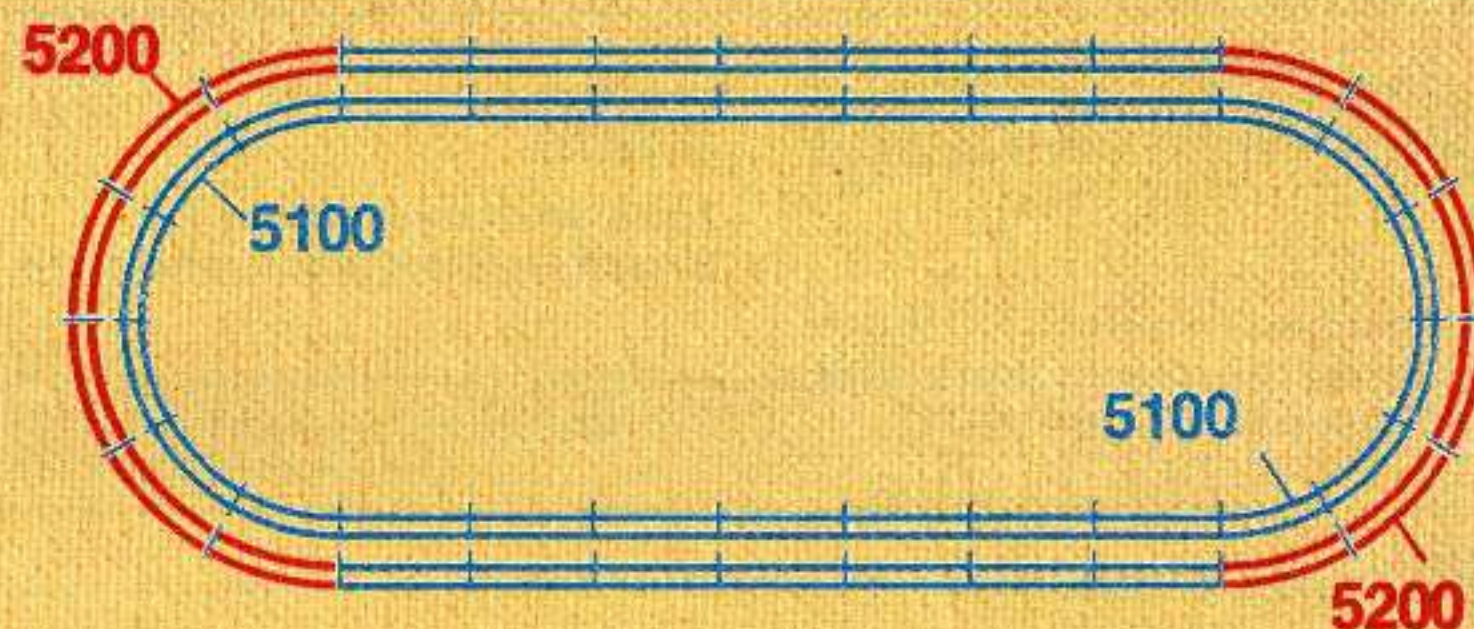
1



Track sections of the 5200 series are intended for extending an existing layout made up of 5100 series track. This enables concentric circles to be laid with a track center spacing of 3" (measured from contact stud to contact stud) and an operating clearance

between the tracks of 1½". The 5202, 5221 or 5140 turnouts are used to cross from the inner to the outer loop. The construction of the 5200 track sections is similar to that of the 5100 series (all metal with contact studs).

2



One section of track can be insulated from another by means of the insulator piece 5022 (see page 54), or a piece of ordinary cardboard. No special insulating track section is needed, so space is saved.

3



A special feature of the Märklin track is the excellent current feeding qualities. When one of the rail joiners is bent, which can always happen on a model railway, this has no effect

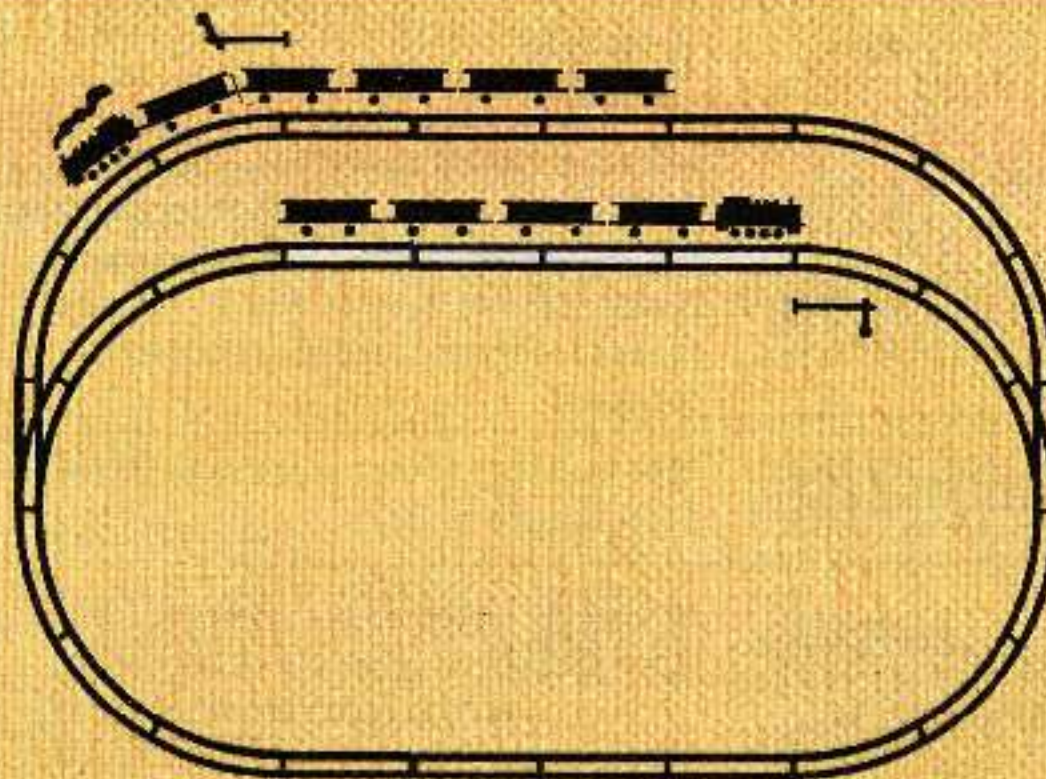
because the second joiner will still join the track sections and make electrical contact perfectly satisfactorily. No soldered joints are needed.

4



On track layouts with sidings or branches off the main line, locomotives or trains can run in the same direction or in opposite directions. No special reversing arrangement is necessary, nor do terminals on the transformer have to be switched over. This is one of the advantages of the Märklin system.

5



Märklin HO *For the simplest as well as the most elaborate track layout...*

M-tracks for trouble-free layout

Curved track sections 5100 for standard circle

Twelve 5100 track sections form a circle with an outside diameter of 30".



5100 Full length = 30°



5101 Half length = 15°



5102 Quarter length = 7° 30'



5103 Feeder track section, curved · Full length = 30° · 2 connecting leads



5147 Switching track section, curved · Half length = 15°

Switching track sections
The switching track sections (5146, 5147, 5213) can trigger one function in each direction of travel, i.e. two in all; they can do this at the same time on one or more solenoid-

operated items. The switching track sections are operated by the current pickups on the rolling stock.



5120

Track with small radius for branch lines and industrial sidings

Curved track section · Full length = 45° · 8 track sections form a circle with an outside diameter of 24"

Straight track sections 5100



5106 Full length = 7"



5107 Half length = 3½"



5129 Make-up section · Length 2¾"



5108 Quarter length = 1¾"



5109 ¾ length = 1⅝"



5110 ¼ length = ¾"



5111 Feeder track section, straight · Full length = 7" · 2 connecting leads

NEW



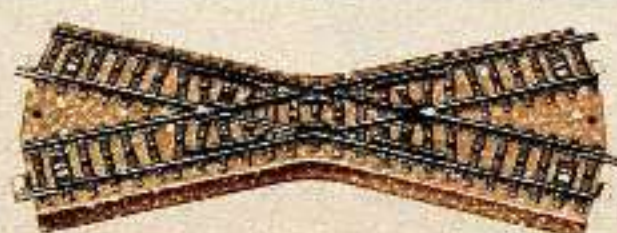
5131

Feeder track section, straight · Full length = 7" · Built-in capacitor to suppress radio interference 2 connecting leads · For 1 traction current circuit, 1x5131 should be used

5146



Switching track section, straight · Half length = 3½"



5114 Crossing · Length 7¾" = 30° · The crossing center conductors are electrically insulated from one another

Curved track sections 5200 for large parallel curve

Twelve 5200 track sections form a circle with an outside diameter of 36".



5200 Full length = 30°



5206 Length = 24° 17' · Matches the curve of the turnouts 5202 and 5221



5201 Half length = 15°

This section used with 5206, equals section 5200



5205 Length = 5° 43'



5213 Switching track section, curved · For parallel curve · Half length = 15°

Construction and operation as for 5146/5147



5208 Make-up section, straight · Length 5/16"



5210 Make-up section, straight · Length 5/16"

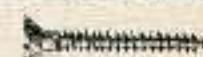
5211



Crossing · Crossing angle 48½° · Length 3¾" · The crossing center conductors are electrically insulated from one another

7299

Flush wood screws for mounting metal track · In packets of 200



7190 Buffer stop · Die cast zinc buffer bean · 2¾" long



7191 Buffer stop with working signal light · Die-cast zinc buffer bean · Length 2¾"

⚡ = 60000

5112

Uncoupling track section for releasing automatic couplings · The two ramps on the right and left of the contact studs are raised magnetically by remote control and release the couplings when the button on the control panel or the manual switch lever is operated · 2 connecting leads · Length of track 3½"

5113

Light standard for the uncoupling track section · Die-cast zinc · The signal on the standard lights up during uncoupling · Height 3¾"

⚡ = 60010



The coupling is opened by raising the ramp.

The RELEX coupling is designed so that it remains "open" after uncoupling, which means that the coaches or cars can be pushed, or dropped off at any required point, without the couplings closing again.

Railroad operations only become realistic when it is no longer necessary to uncouple locomotives from trains, or cars from one another, by hand. This can be achieved by the use of the uncoupling track

section with its light standard whose signal lights up when the uncoupler is operated. That not only looks good, it also makes uncoupling easy. When the coupling between locomotive and coach or between coach and coach is near the uncoupler signal, pressing the control panel button will open the coupling and the detached coach or section of train remains standing. Coaches with the advance uncoupler (RELEX) can then be pushed back again by the locomotive under remote control without the coupling closing again.

...there is always the right track section

Märklin HO

Märklin M-turnouts and how to use them

Märklin M-turnouts and how to use them

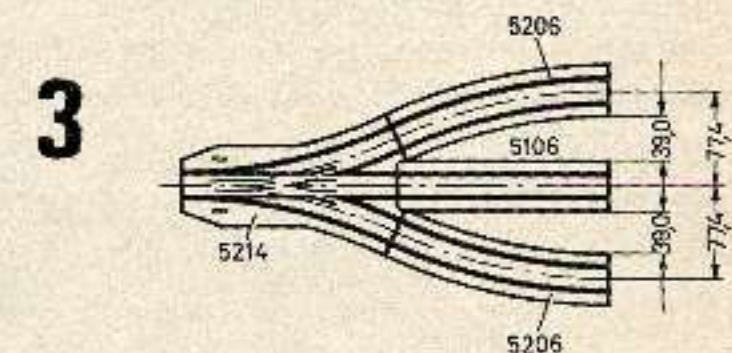
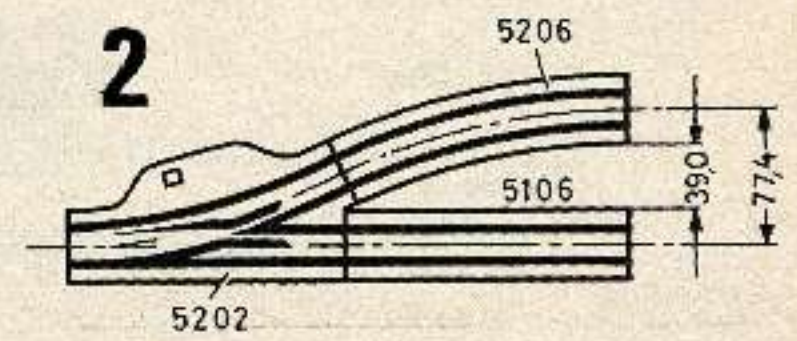
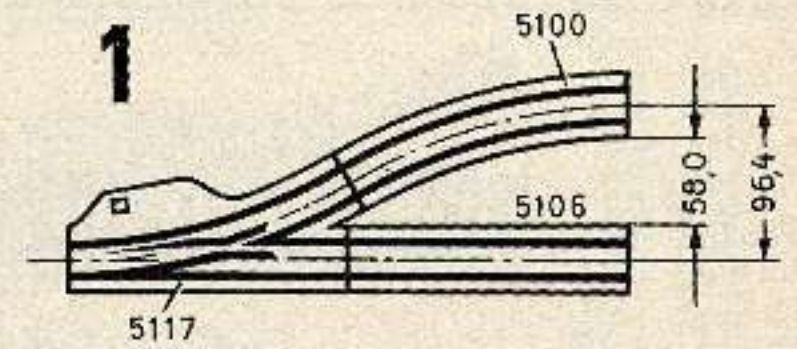
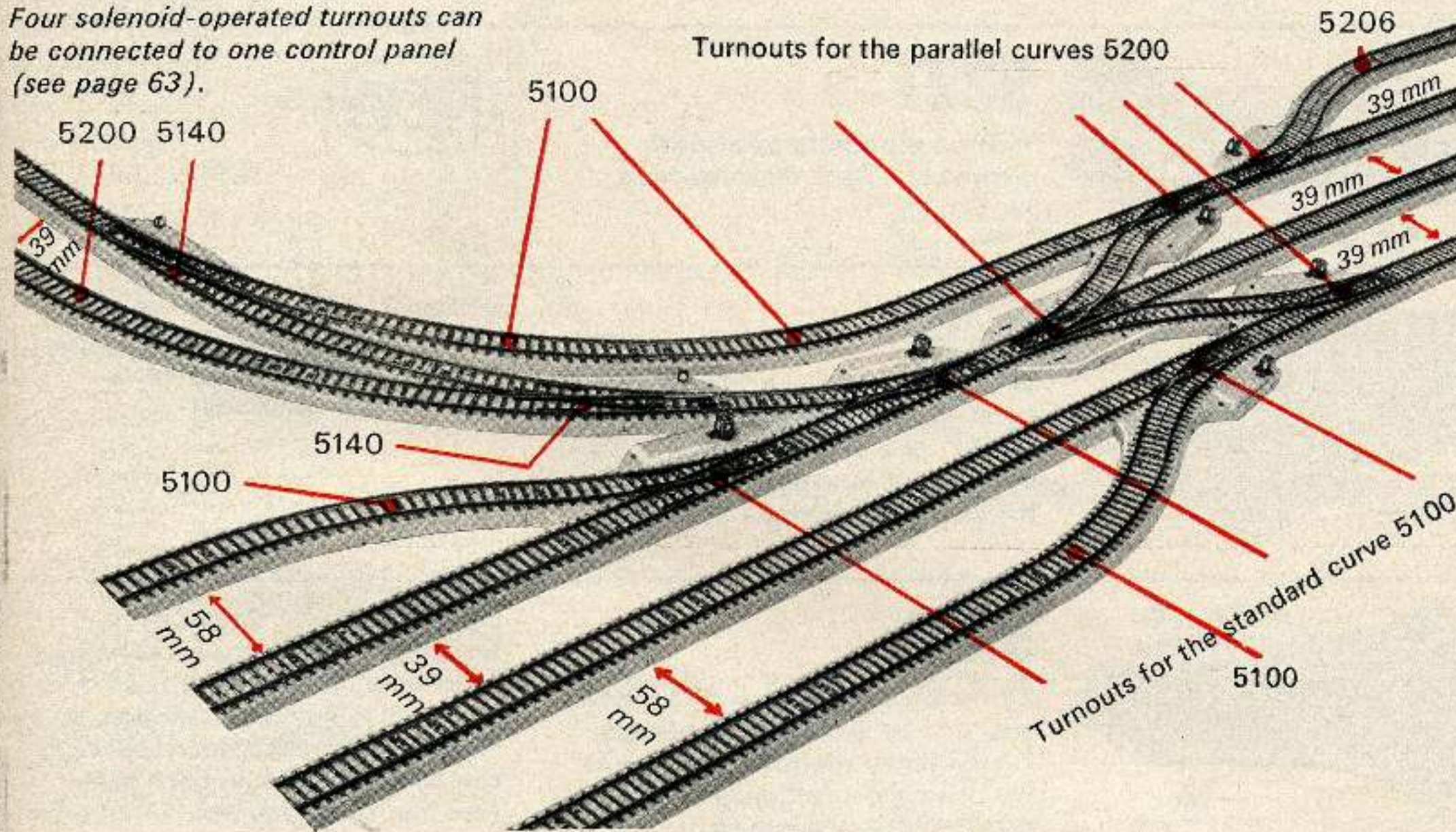
When laying out a siding parallel to the main track using the 5117 and 5121 turnouts (Fig. 1), form the reverse curve by using curved track section 5100 (distance between track centers $3\frac{1}{2}"$). With the 5202 and 5221 (Fig. 2) or 5214 (Fig. 3) turnouts on the other hand, use the track section 5206 to form the

reverse curve. The turnout, which is $\frac{1}{5}$ shorter in the curve, gives a reduced distance of $3"$ between track centers.

The electromagnetic turnouts 5117, 5140 and 5202 and the double slip switches 5128 and 5207 are operated by double solenoids. When crossed in the reverse direction, the points of

all the turnouts are opened up by the wheels of the rolling stock. There are no derailments. The turnouts return automatically to their initial setting. The working signal lights show the setting of the turnout. Further turnouts can be joined directly on to either end of the turnout section.

Four solenoid-operated turnouts can be connected to one control panel (see page 63).



Märklin M-turnouts 5100 with sprung points

With double solenoid operation for remote control

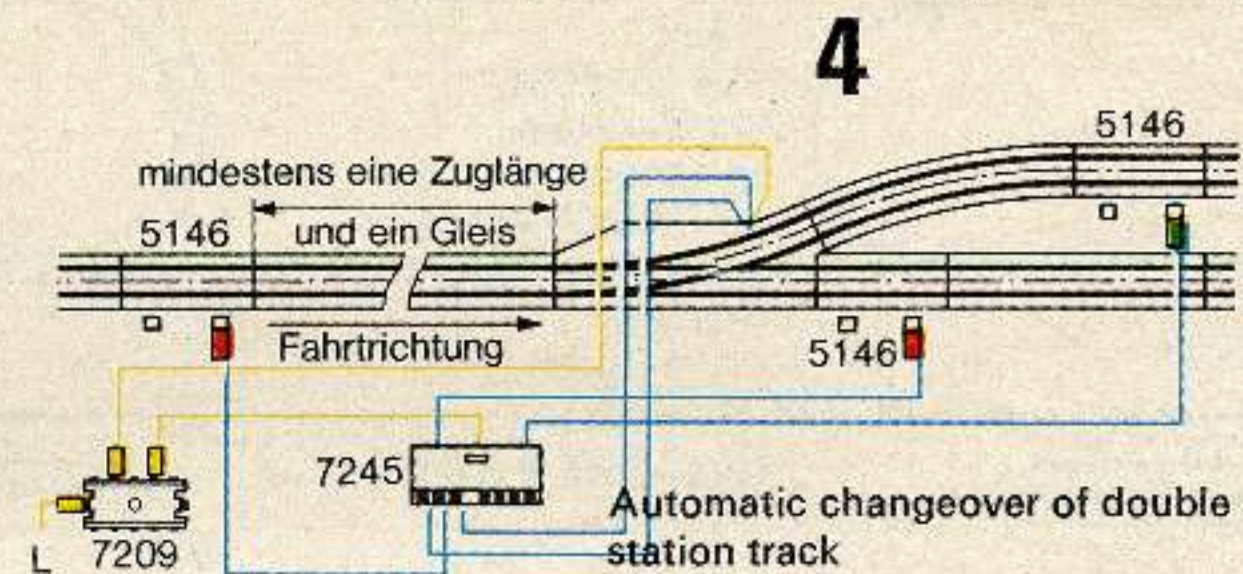


5117

Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, each

operated by double solenoid · Working signal lights · The track lengths are the same as for track sections 5100 and 5106

Q = 60000



5121

Pair of manually operated turnouts · Track dimensions as for 5117



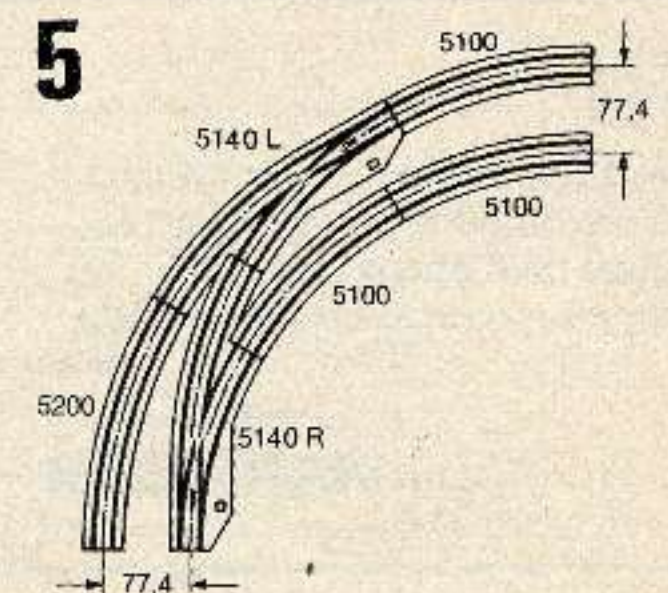
5140

Pair of solenoid-operated curved turnouts · Consisting of one right-hand and one left-hand inside-curve turnout, each operated by double

solenoid · Working signal lights · Length and curvature of branch tracks as for track section 5100 · Length of outer curve $10\frac{1}{2}"$

Q = 60000

If curved turnouts are included in the layout, the train when already in the curve can change from one track to the other. The narrow interval between the parallel curves of the track ($3"$) is maintained and space is saved for a longer overtaking section.



5128

Double slip switch · 30° crossing angle · Operated by double solenoid · Working electric signal lights which change to show the setting of the points (crossing or curve) · Manual

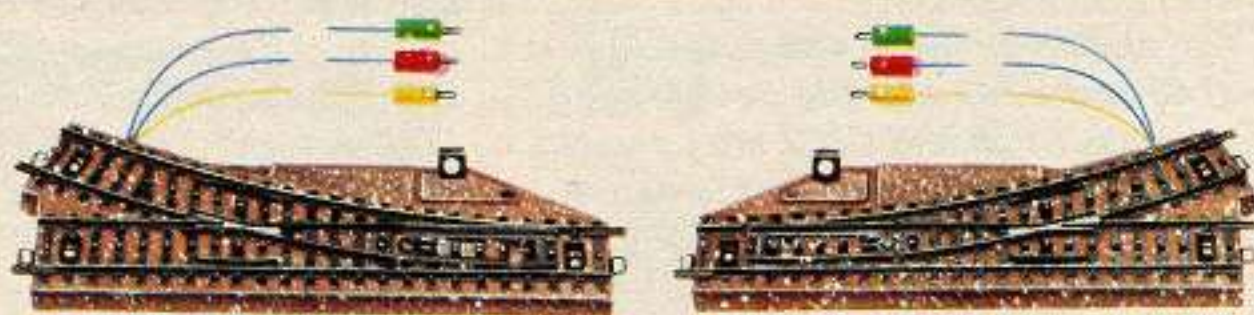
switching lever to permit setting by hand · Length of straight section $7\frac{3}{16}"$ · The curvature is the same as for track section 5100

Q = 60000

M-turnouts

Märklin M-turnouts 5200 with sprung points

with double solenoid
operation for remote control



5202

Pair of solenoid operated
turnouts · Consisting of one
right-hand and one left-hand
turnout, each with double solenoid

operation · Working signal lights ·
The track lengths are as for track
sections 5206 and 5106

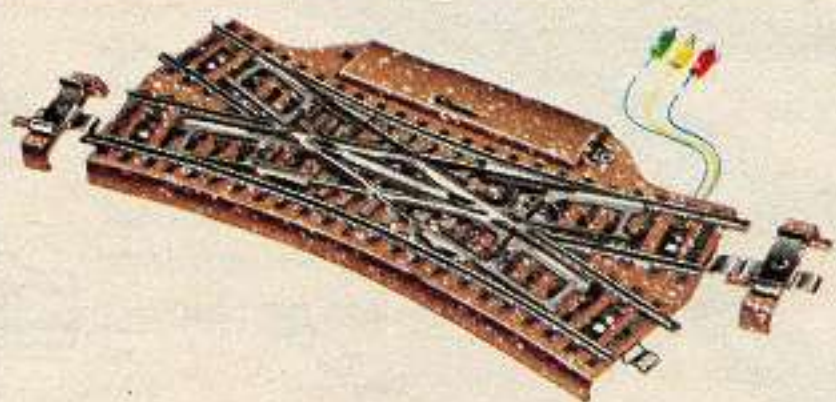
⚡ = 60000



5221

Pair of manually operated
turnouts · Track dimensions as
for 5202

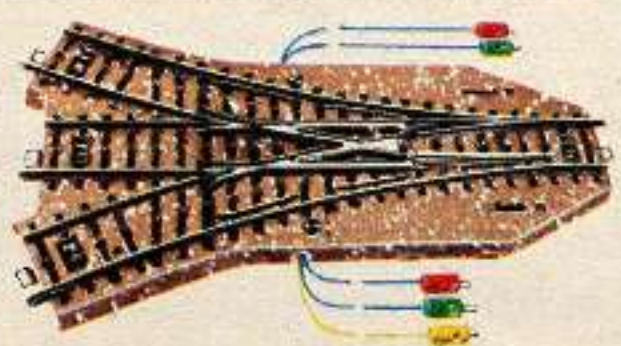
NEW



5207

Double slip switch · Enables the
track spacing of 3" to be main-
tained · Operated by double
solenoid · Manual switch lever on
the drive case · Length of straight

section 7" · The curve is the same
as for 5202, 5221 and 5206 · Two
make-up sections 5208, each
5/16" long, are included

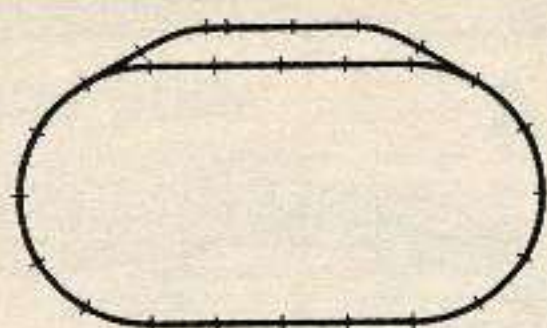


5214

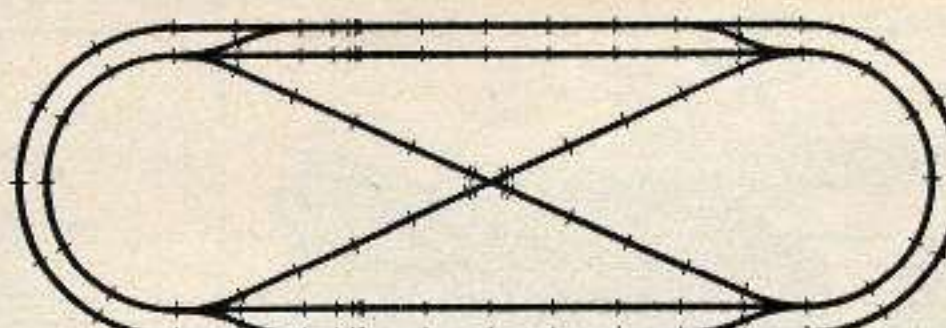
Symmetrical three-way turnout
operated by two double solenoids ·
2 hand levers for manual setting of
the two pairs of turnouts · 5 con-
necting leads · Length of the

straight track 7" · Radius of the
branch tracks 18", the same as for
outer track circle · When used in
conjunction with track section
5206, the 3" track center spacing
can be maintained on both sides
(see Fig. 3 on page 49)

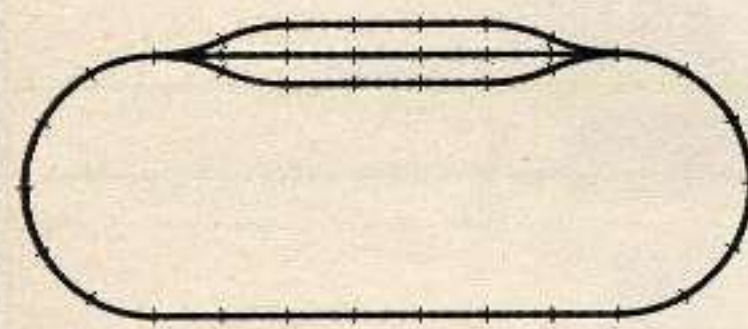
Some simple HO gauge track plans for M-tracks



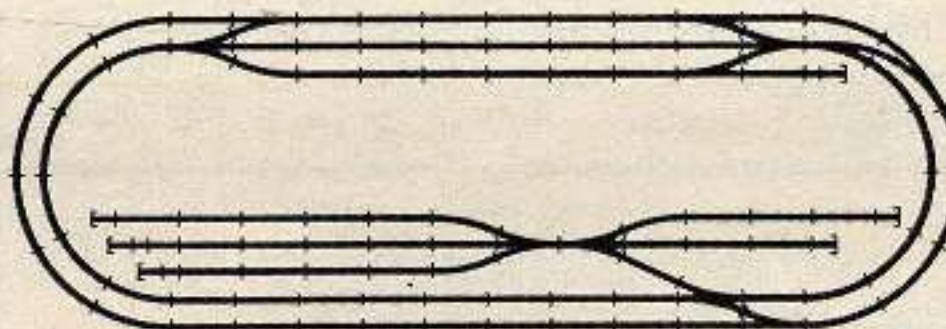
Oval with passing
track
Size: 58" x 33 1/2"
Track sections:
11 x 5100, 1 x 5103,
10 x 5106, 1 x 5108,
1 pair of turnouts 5117
or 5121



Double-track oval with double
reversing loop
Size: 106 1/4" x 36 1/4"
Track sections: 11 x 5100, 1 x 5103,
43 x 5106, 4 x 5107, 4 x 5108,
4 x 5110, 1 x 5111 or 5131,
12 x 5200, 2 x 5202 or 5221,
4 x 5208, 4 x 5210, 1 x 5211,
4 x 5214



Oval with 2 passing
tracks
Size: 80 3/4" x 33 1/2"
Track sections:
11 x 5100, 1 x 5103,
18 x 5106, 4 x 5206,
2 x 5214



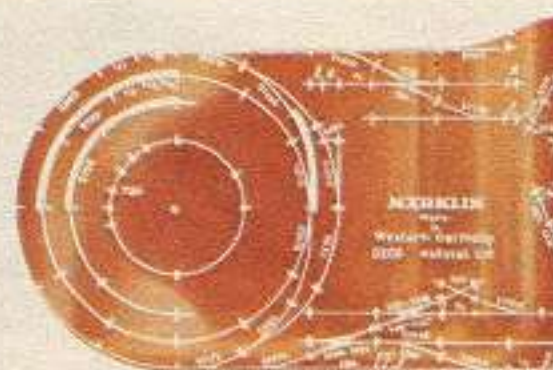
Double-track oval with passing
track and sidings
Size: 107" x 36 1/2"
Track sections: 11 x 5100, 1 x 5103,
61 x 5106, 1 x 5107, 3 x 5108, 1 x 5111
or 5131, 1 x 5140, 10 x 5200,
2 x 5202 or 5221, 4 x 5206,
1 x 5207, 4 x 5214

7171

Sound deadening strips packed
in 50's with 50 flush wood screws,
for quiet train operation · If the
tracks are mounted on a plywood



board, the trains as they move,
naturally make some, but not
excessive, noise to the rhythm of
the wheels · If it is desired to
dampen this noise down to about
half, it is recommended that the
tracks, turnouts and crossings
should be laid on sound deadening
strips · This makes no difference to
the mounting of the catenary
system



0206

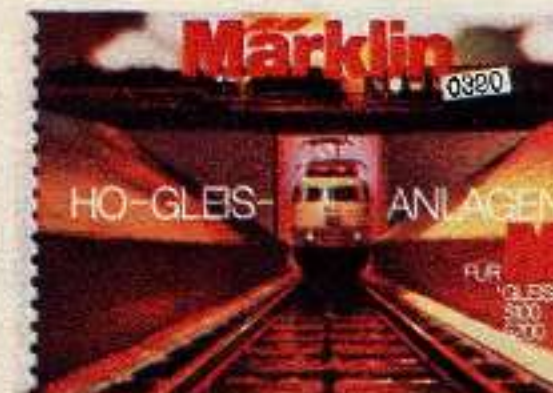
Track planning template for HO
gauge Märklin M-track sections
(series 5100/5200) · On the
template the track sections, turnouts,
crossing, etc. are cut out on a scale
of 1:10 and they can easily be
transferred on to paper with a
sharp pencil



0321

Märklin track layouts, HO
gauge, for M-tracks 5100 and
5200 · Simple track plans · 24 pages

For detailed description of these
brochures, see page 68.



0391

Märklin track layouts, HO
gauge, for M-tracks 5100 and
5200 · With full color illustrations
and detailed track plans for 16
different layouts · 56 pages

M-track plan SET-HO 123

M-track plan SET-HO 123 for the layout of the year with Toporama 7298

80 1/2" x 38"

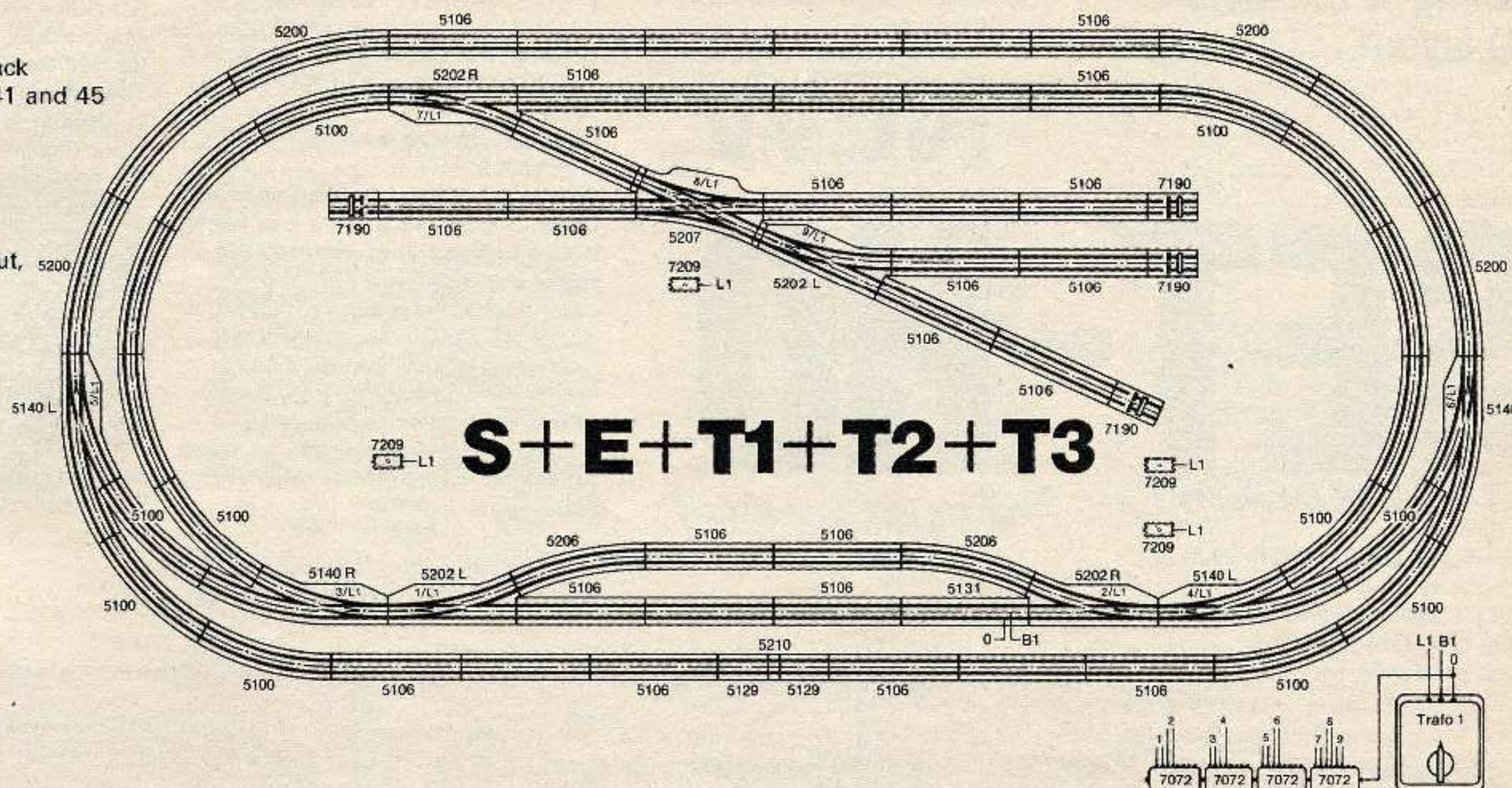
For photographs of this track layout, see pages 35, 38, 41 and 45

Parts list

For building this ideal HO gauge model railroad layout, the following items were used:

1 transformer from 2920 or 2930

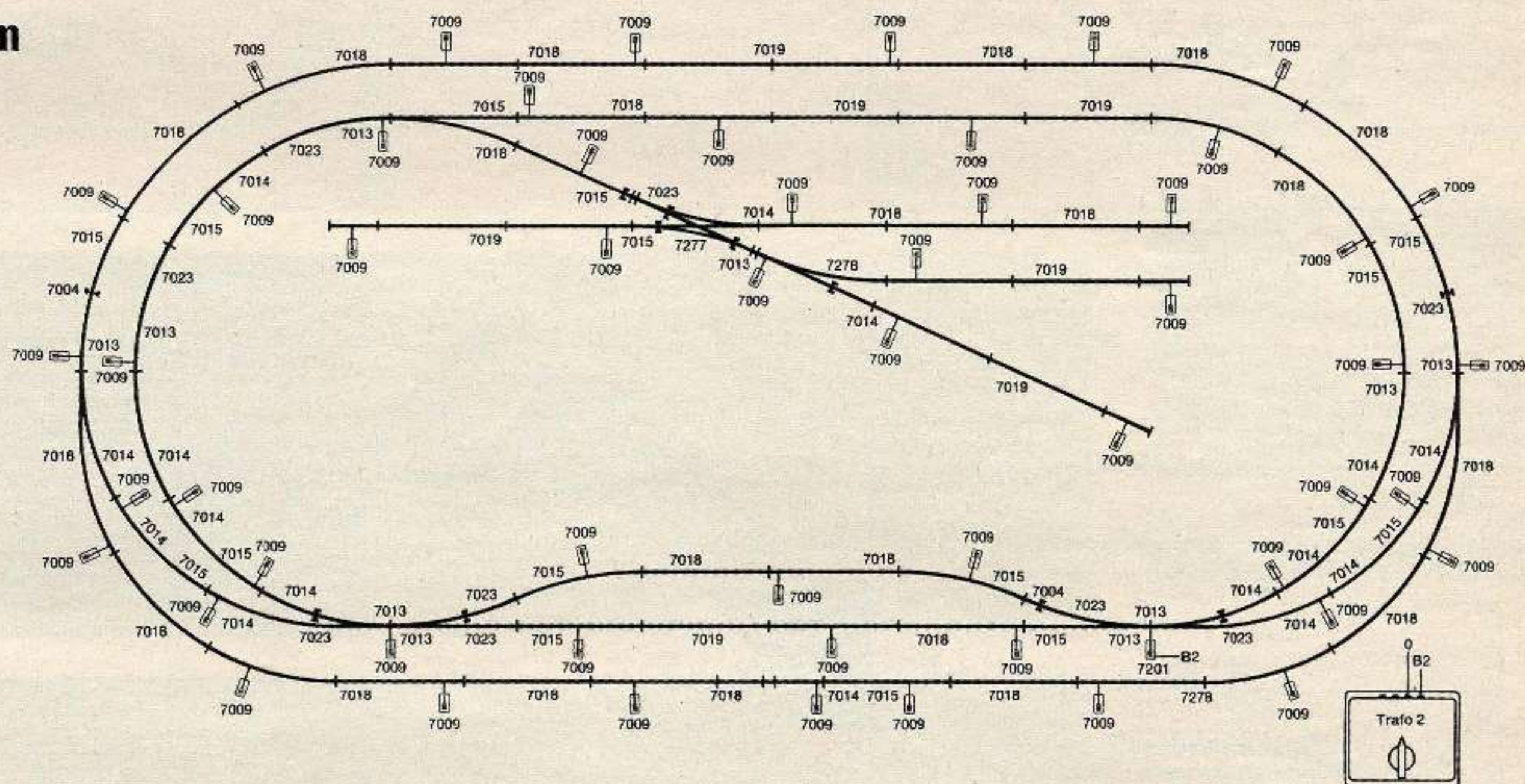
- | | |
|-----------|----------|
| 16 - 5100 | 4 - 7209 |
| 32 - 5106 | 4 - 7101 |
| 2 - 5129 | 4 - 7103 |
| 1 - 5131 | 4 - 7111 |
| 2 - 5140 | 4 - 7112 |
| 6 - 5200 | 9 - 7113 |
| 2 - 5202 | 9 - 7115 |
| 2 - 5206 | 4 - 7131 |
| 1 - 5207 | 4 - 7132 |
| 1 - 5210 | 9 - 7133 |
| 4 - 7072 | 9 - 7135 |
| 4 - 7190 | |



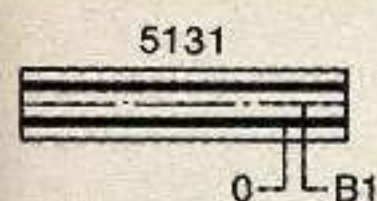
Catenary system

1 transformer 30 VA

- | |
|-----------|
| 3 - 7004 |
| 54 - 7009 |
| 10 - 7013 |
| 16 - 7014 |
| 16 - 7015 |
| 22 - 7018 |
| 7 - 7019 |
| 9 - 7023 |
| 1 - 7201 |
| 1 - 7277 |
| 2 - 7278 |

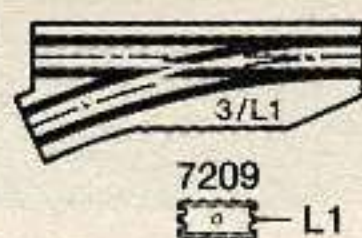


Symbol code used on track plan



0 B1

Locomotive current feeder track for point contact conductor. Red and brown leads to sockets of the same color on transformer 1.

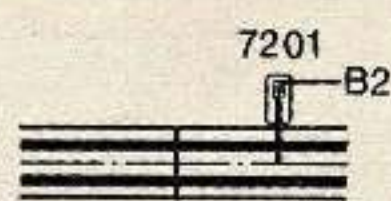


3

Blue lead with green plug in green socket; blue lead with red plug in red socket of the pair of sockets, e.g. those marked "3" on the control panel (7072).

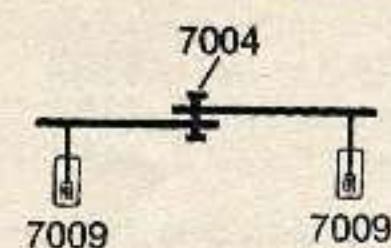
L1

Yellow lead to the yellow lighting circuit socket L on transformer 1, or the distributor panel L1 connected to it.



B2

Locomotive current feeder mast for the catenary system. Red lead to red socket on transformer 2. If there is not already a ground lead, a brown lead, for operation via the track point contacts, the feeder track must be connected by the brown lead to the brown socket on transformer, or to a distributor panel connected to it.



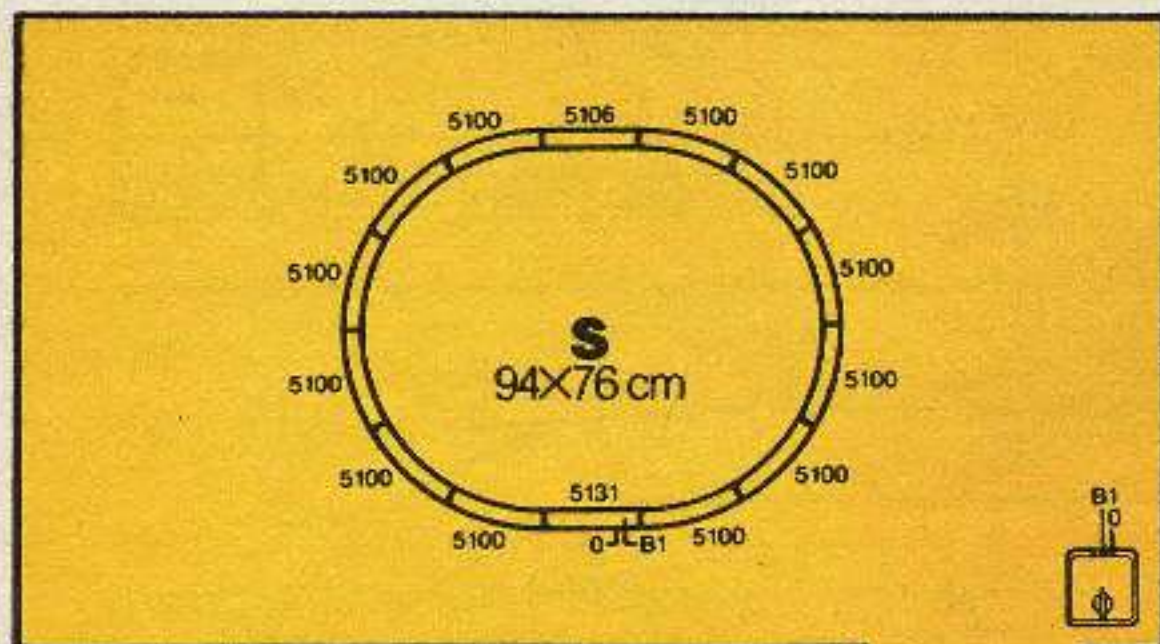
Power lines connected by means of the fixing fittings 7004 (bolt, nut and washer).

Märklin SET-HO

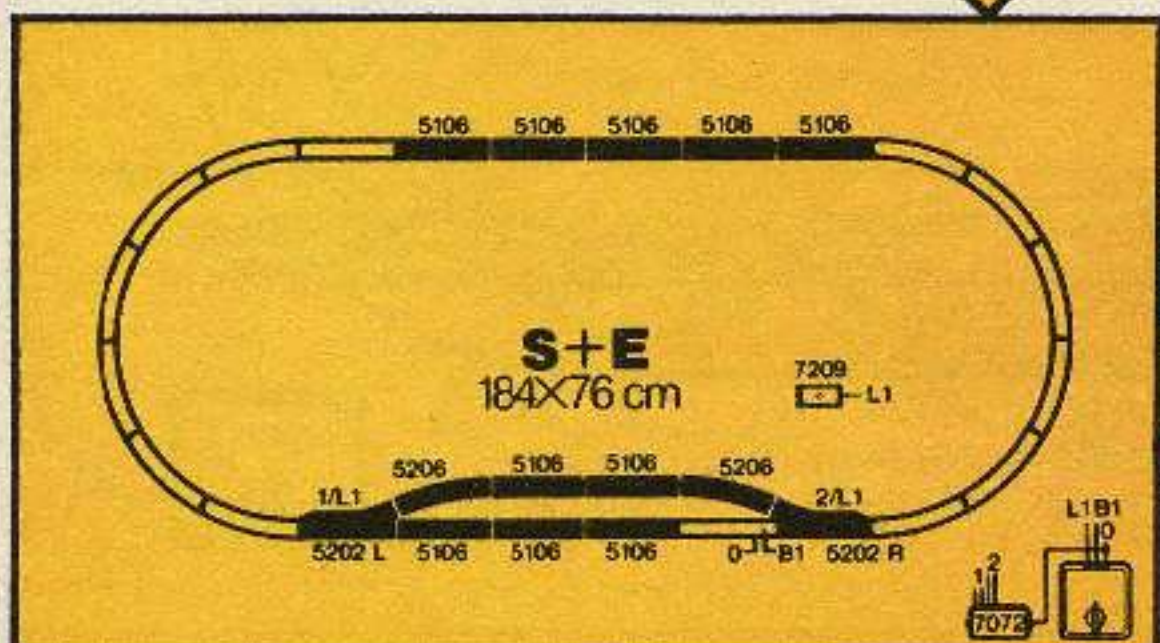
**Extension program
leading to the ideal
HO layout**

NEW SET-HO

For a start there is the **Gift SET S** containing a **Passenger train S 2920-2929** or a **Freight train S 2930-2939** with a transformer and oval track in either case (see page 15).



The first stage of expansion is an **Extension Set E 5190** or an **Extension Set E 5191**.



From here on, there are three further track extension sets to build up to the ideal HO layout:

- Double-track set** T 1 5192
- Station track set** T 2 5193
- Switching track set** T 3 5194

These three track extension sets T 1, T 2 and T 3 can be taken in any order. Here we show just four ways which lead from a small beginning to the ideal HO layout. Any of these ways is possible, or you can think out some other variation yourself; it just depends on how you prefer to operate your railroad.

That is how simple it is to build up to the ideal HO layout by using Märklin extension program SET-HO.

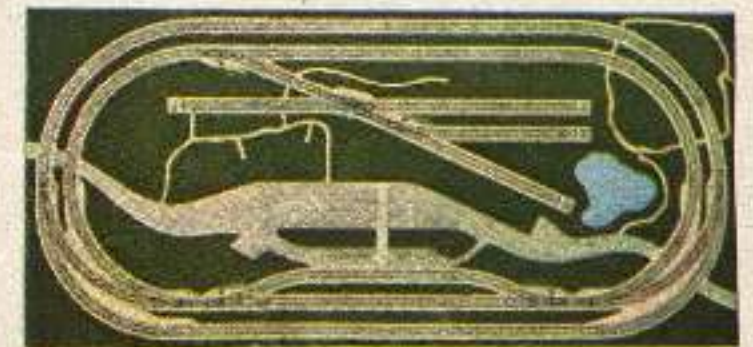
A real gain to Märklin SET-HO, which is highly to be recommended, is the Märklin Toporama 7298, which can be used starting from stage E (5190, 5191). The track layout up to stage T 3 (5194) is printed on it.

And how do you use this Toporama?

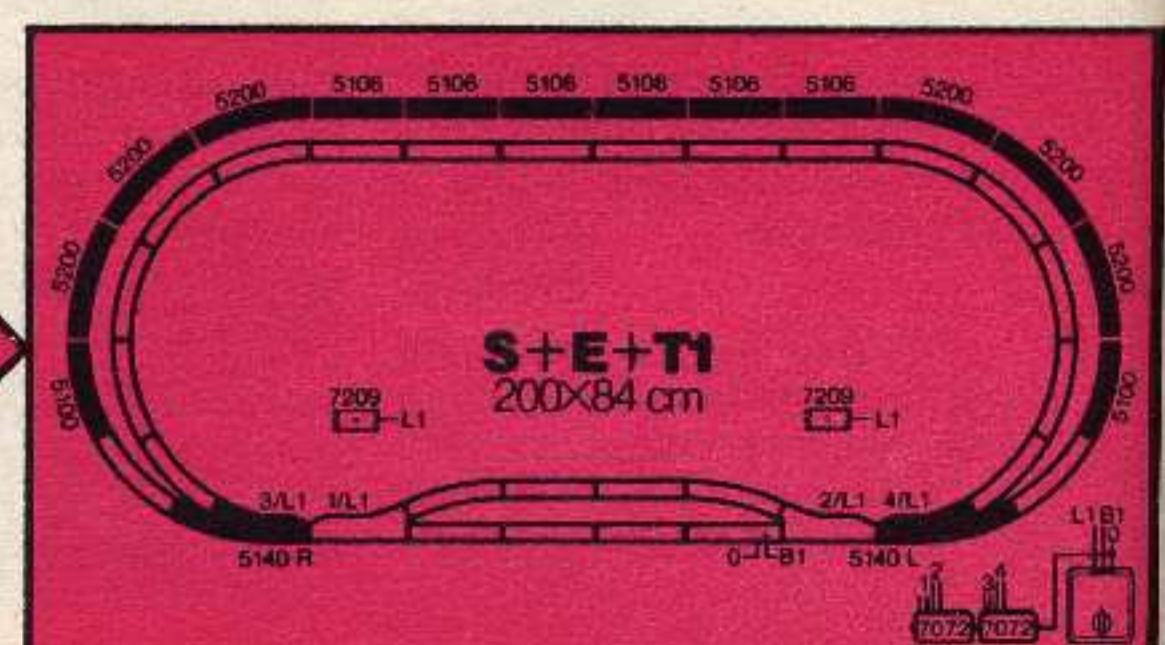
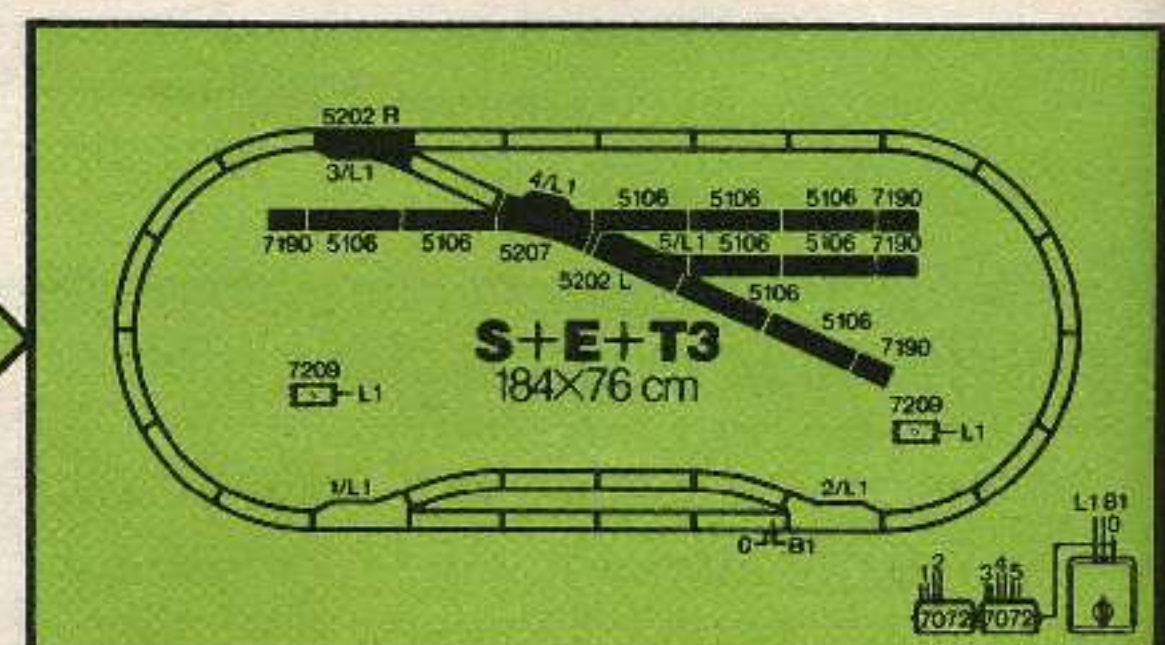
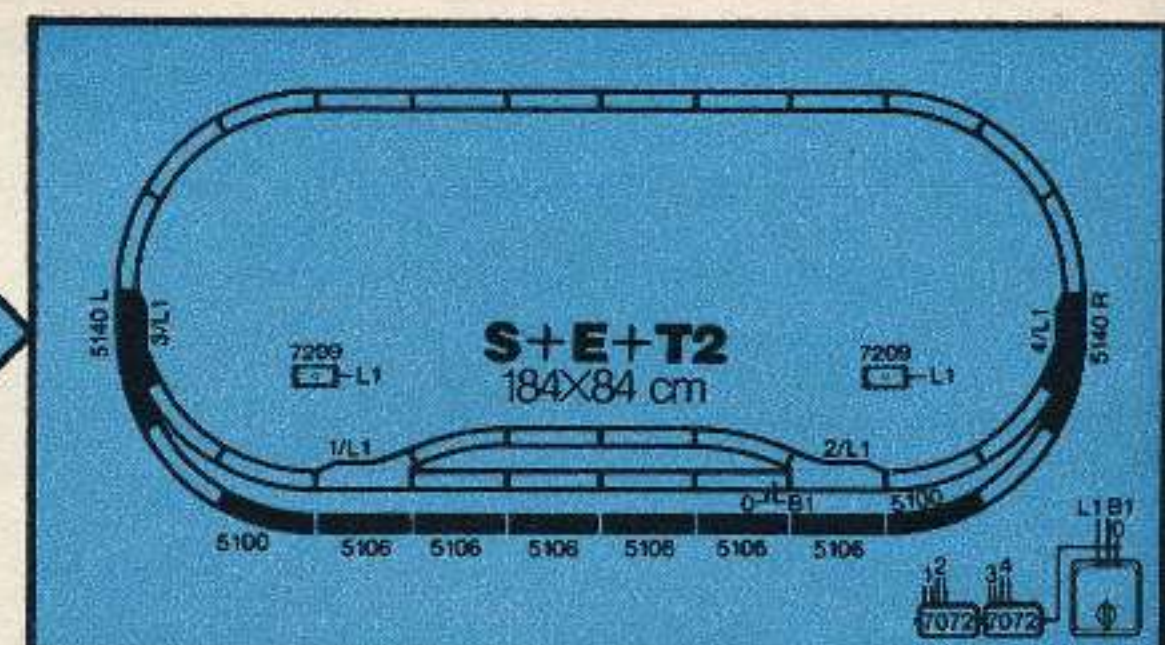
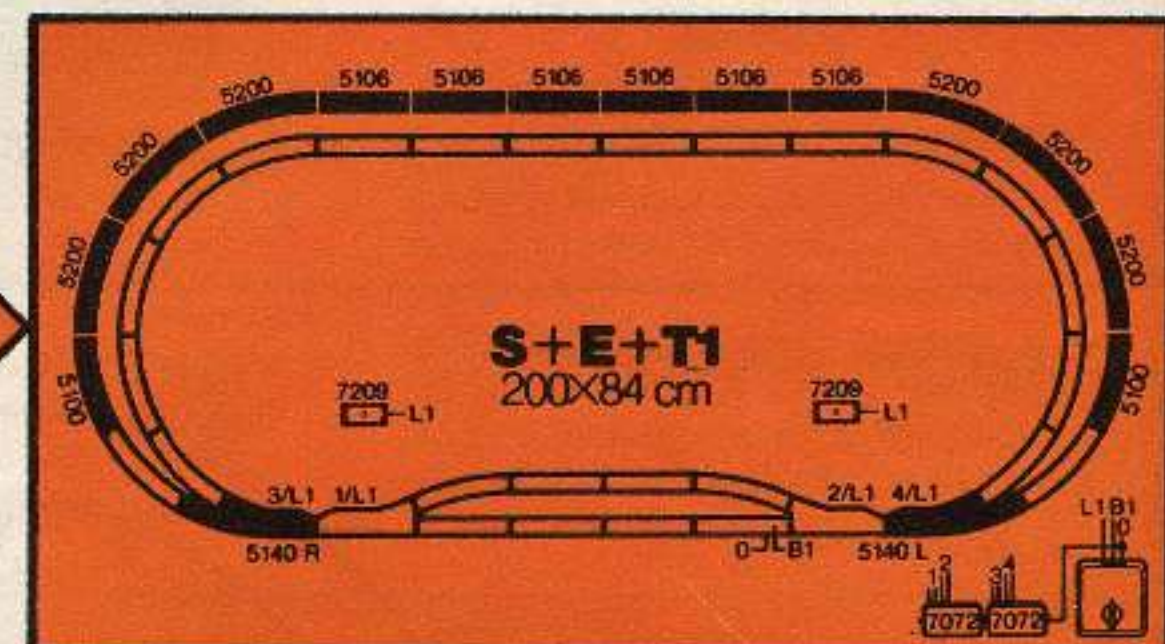
It is quite simple. Lay the Toporama out on a base panel, glue it or fasten it down as you wish, position the tracks in accordance with the pattern which is printed in full scale, connect up the leads and you are ready to start the big trip. You no longer need to build up a landscape because the Märklin Toporama already has meadows, streams, lakes, roads and free space for other features.

7298

Märklin-Toporama for the Märklin SET-HO extension program leading to the ideal HO layout. The true-to-nature model railroad landscape in roll-out form. Multi-color design. The printing shows the track layout up to SET 123. Tufted grass-covered areas provide



an impression of relief. Size 80½" x 38"



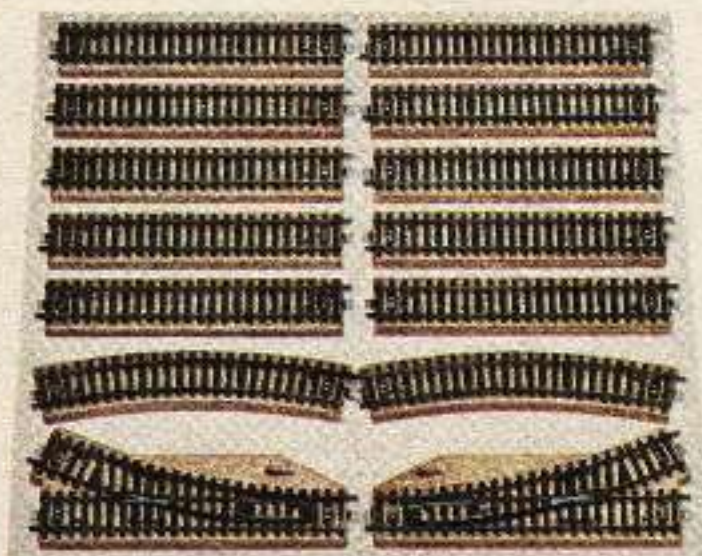
...and so simple to choose

MärklinHO

Märklin SET-HO

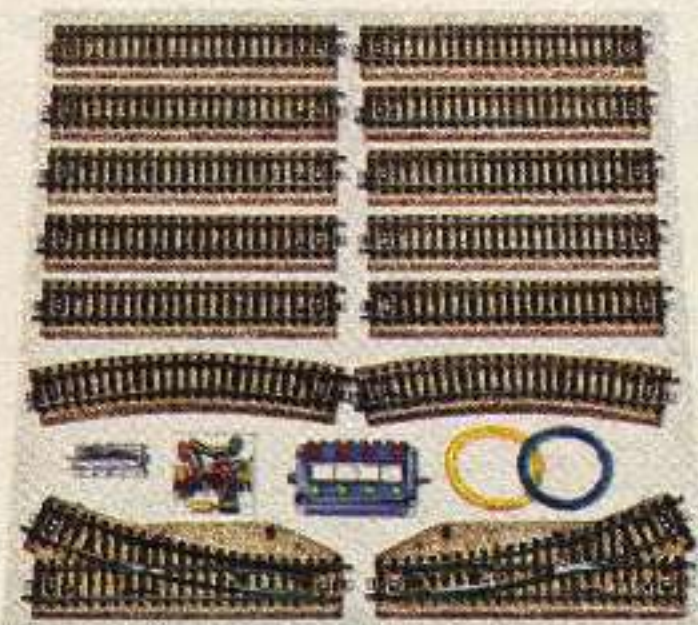
5190

Extension set E · Contents:
10 straight track sections 5106,
2 curved track sections 5206, 1 pair
of manually operated turnouts 5221
and instructions for extending the
layout



5191

Extension set E · Contents:
10 straight track sections 5106,
1 pair of solenoid-operated turnouts
5202, 2 curved track sections 5206,
1 control panel 7072, 1 distributor
panel 7209, material for connecting
up such as leads, sockets and plugs ·
Instructions for extending the layout



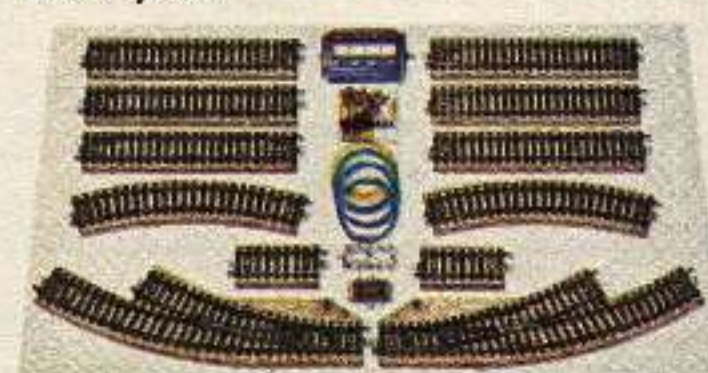
5192

Double-track set T 1 · Contents:
2 curved track sections 5100,
6 straight track sections 5106,
1 pair of solenoid-operated turnouts
5140, 6 curved track sections 5200,
1 control panel 7072, 1 distributor
panel 7209, material for connecting
up, such as leads, sockets and
plugs · Instructions for extending
the layout



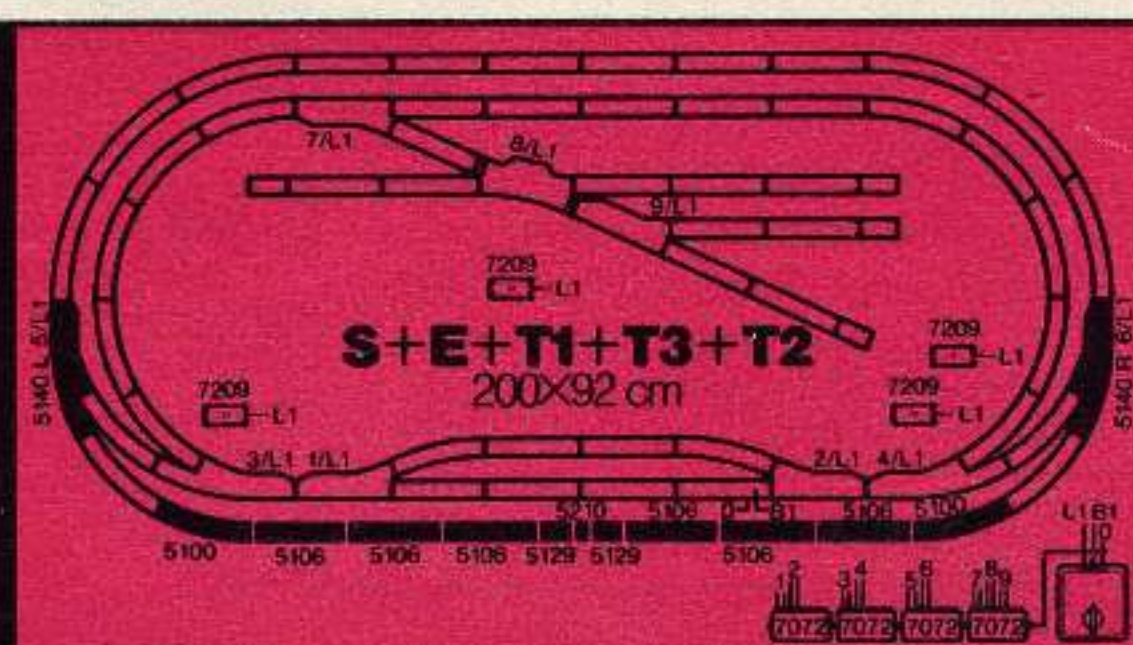
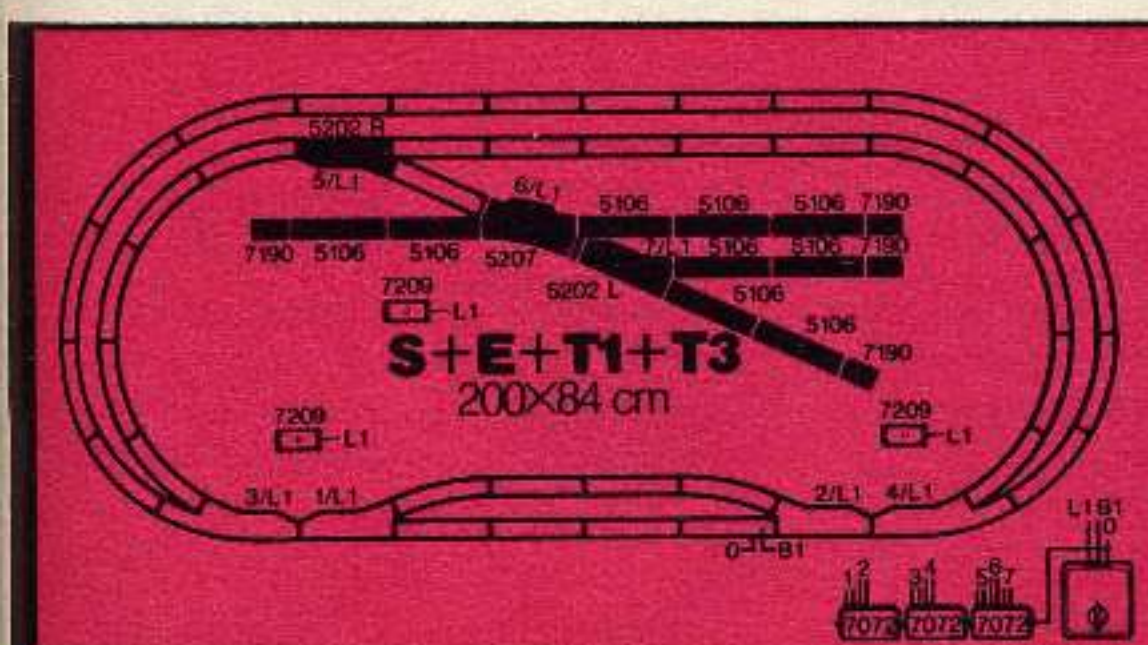
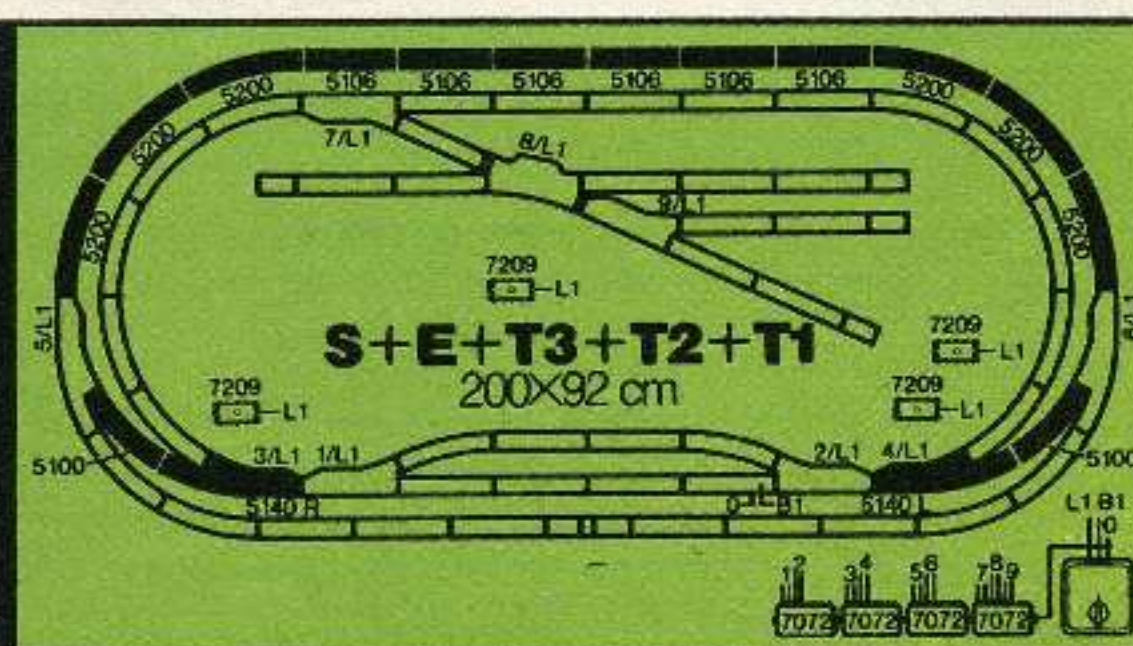
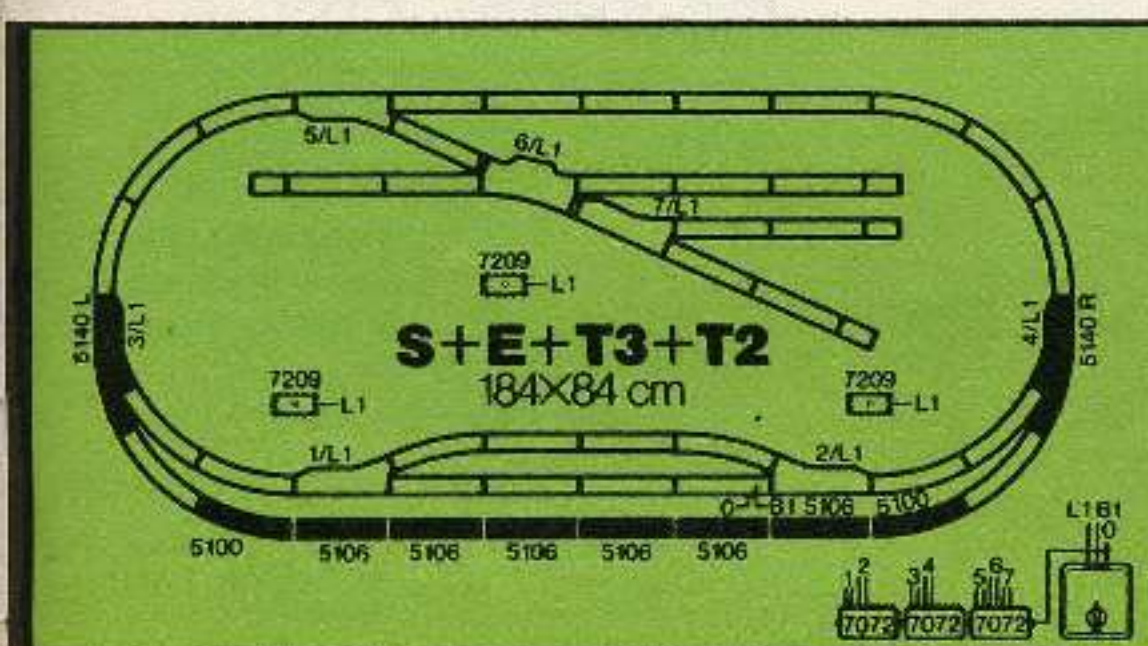
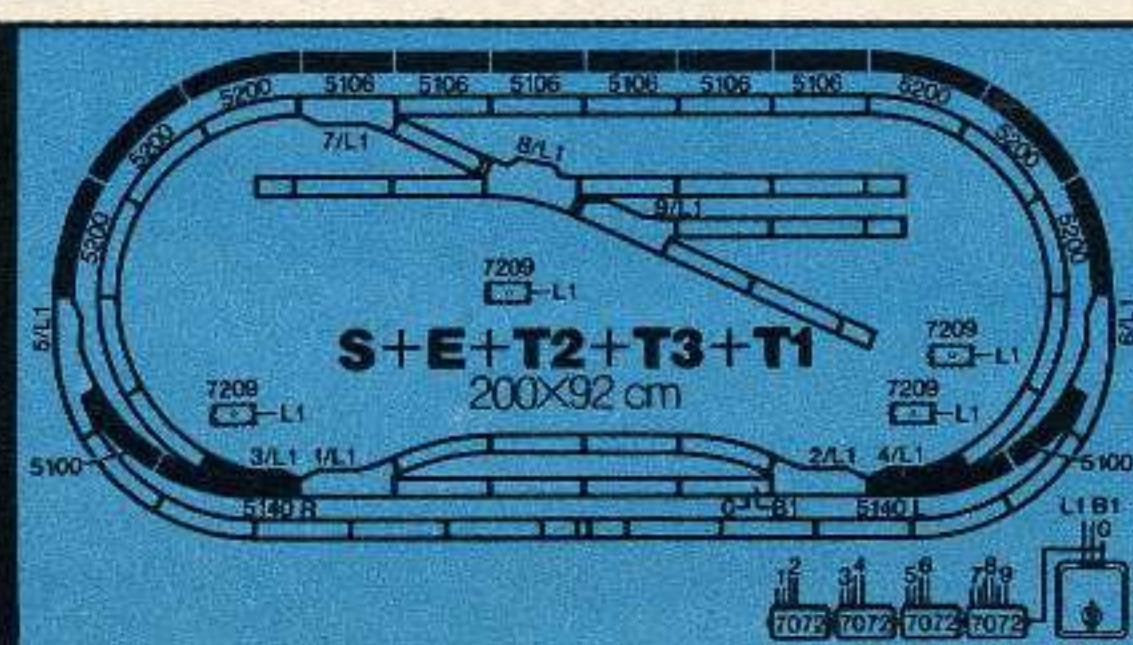
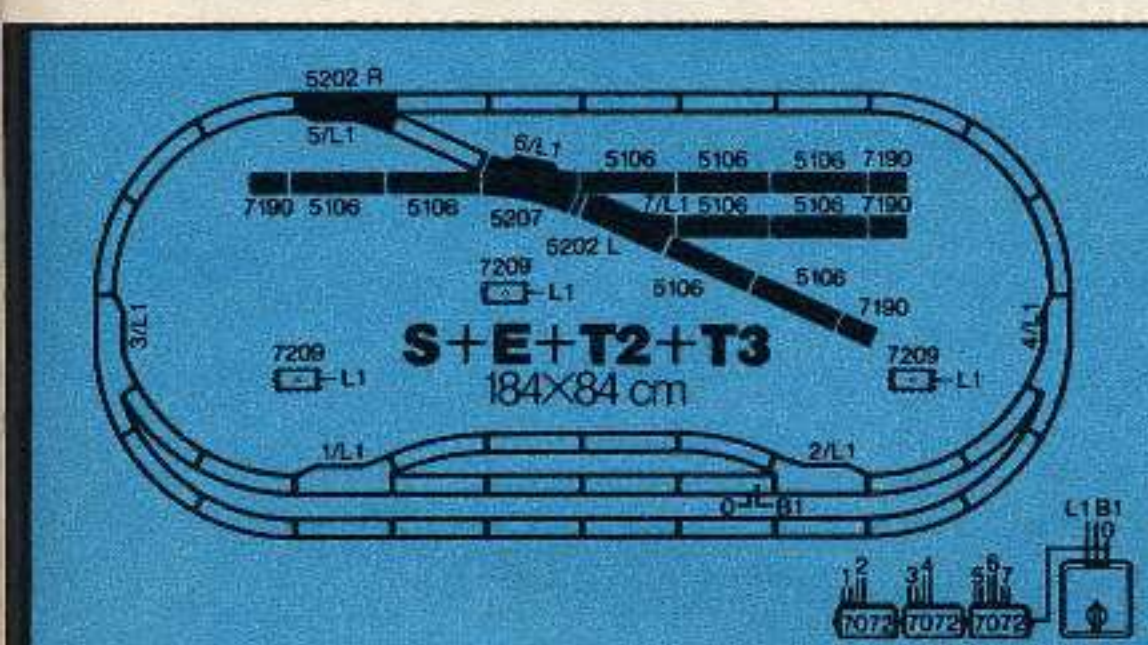
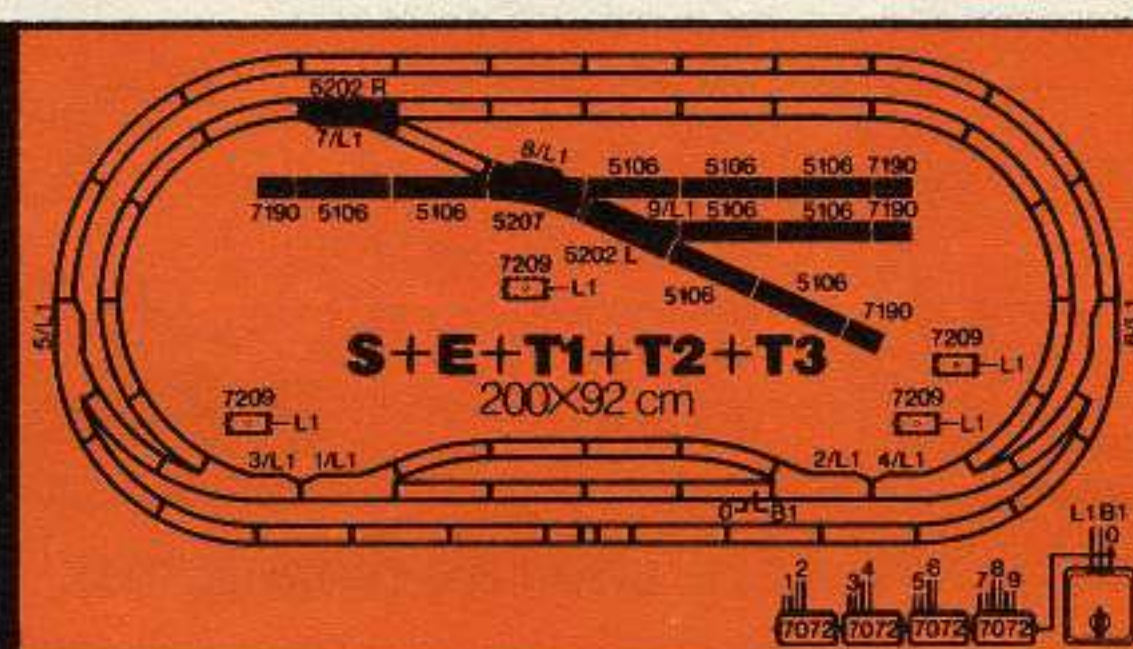
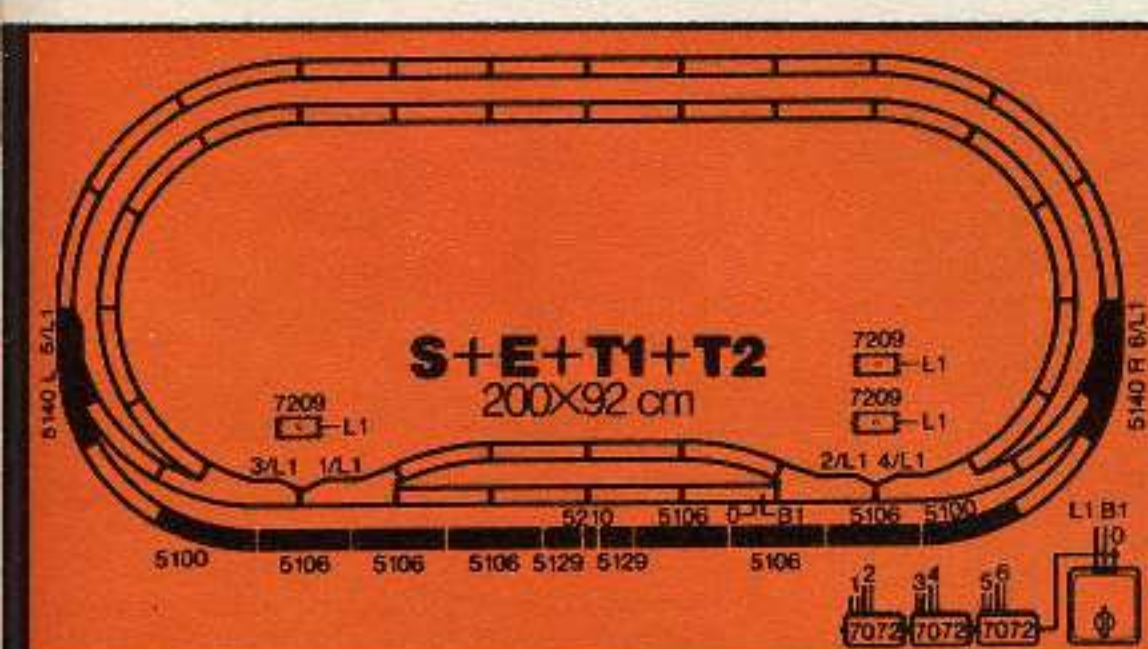
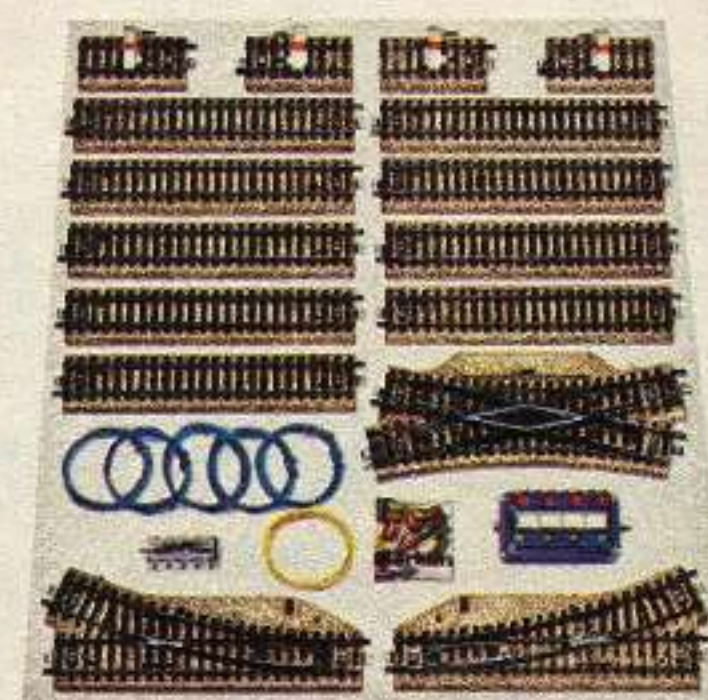
5193

Station track set T 2 · Contents:
2 curved track sections 5100,
6 straight track sections 5106,
2 straight track sections 5129,
1 pair of solenoid-operated turnouts
5140, 1 straight track section 5210,
1 control panel 7072, 1 distributor
plate 7209, material for connecting
up, such as leads, sockets and
plugs · Instructions for extending
the layout



5194

Switching track set T 3 ·
Contents: 9 straight track sections
5106, 1 pair of solenoid-operated
turnouts 5202, 1 double slip switch
5207, 1 control panel 7072, 4 buffer
stops 7190, 1 distributor panel
7209, material for connecting up,
such as leads, sockets and plugs ·
Instructions for extending the layout



The Märklin SET-HO extension program is crowned by an HO catenary system. A very interesting suggestion in this connection can be found on page 51.

The Märklin range offers in addition, many accessories which will improve your layout and increase the number of things you can do with it, e.g. the Märklin slewing crane 7051 (see page 61).

Signals for M tracks

The Märklin range of signals for M tracks

There should be a few, suitably arranged signals, even on a small railway layout, and not just because the play of red, green and amber lights looks attractive. The home and siding signals regulate the traffic, in that by setting them at red or green by remote control, the starting and stopping of the trains can be controlled at the same time. And that is not all: Switching track sections have only to be included and connected to the signals and

then one train controls the other automatically by means of the signals, without it being possible for an "accident" to happen (block operation). In this way, while some trains are travelling as programmed, you are free to see to other things, e.g. shunting. The installation of the signals is simple. Their base plates are clamped under curved or straight metal track sections, on either side of the track, and the leads are connected as shown in the instructions accompanying them. The signals are connected electrically to the control panels (7072, see page 63) in such

a way that it can be seen from the position of the switch buttons whether the signals are at "stop" or "go". Anyone who wants his layout to be realistic should install warning signals as well as the home signals described. They are mounted in the same way as the home signals, to which they are simply connected by a lead. With a control panel 7072, it is possible to operate, e.g. 4 home signals 7039 with warning signals, or also groups of signals and turn-outs. The home and siding signals have

rail current switches, by means of which the current in the contact studs and in the overhead line can be altered. The silver contacts in the switches enable them to cope with heavy loads. The connecting wires have color-coded plugs, with side sockets, allowing other plugs to be inserted. In addition, sockets are incorporated into the signal bases for connection to the overhead line and ground. Lighting is provided by small bulbs. Insulators for the current conductor, a base plate and precise installation instructions are included in each pack.

Warning signals without train control

7036

Warning signal



with movable disk. Signal lights change from amber/amber to green/green. Double solenoid. Used with home signal 7039. Width 1 1/8". Length 2 3/4". Height 2 3/8".
 ⚡ = 60000

7037

Warning signal



with extra movable arm. Disk fixed. Signal lights change from amber/amber to green/green. Double solenoid. Used with home signal 7040. Width 1 1/8". Length 2 3/4". Height 2 3/8".
 ⚡ = 60000

7038

Warning signal



with extra movable arm and movable disk. Signal lights change either as in 7036 or 7037. 2 double solenoids. Used mostly with home signal 7041. Width 1 1/8". Length 2 3/4". Height 2 3/8".
 ⚡ = 60000

7187

Color light warning signal.



Used only in conjunction with home light signal 7188. Signal lights change from green/green to amber/amber using 4 bulbs. Width 5/8". Length 7 1/16". Height 2 3/8".
 ⚡ = 60202 green
 60204 amber

Signals with train control for catenary and rail conductors



7039

Home signal with one semaphore arm. Signal light changes from red to green. Double solenoid. Width 1 1/8". Length 2 3/4". Height 5".
 ⚡ = 60000



7040

Home signal with two coupled semaphore arms. Signal lights change from red to green/amber. Double solenoid. Width 1 1/8". Length 2 3/4". Height 5".
 ⚡ = 60000



7041

Home signal with two independent semaphore arms. Signal lights change from red to green or from red to green/amber. 3 solenoids. Width 1 1/8". Length 3 3/8". Height 5".
 ⚡ = 60000

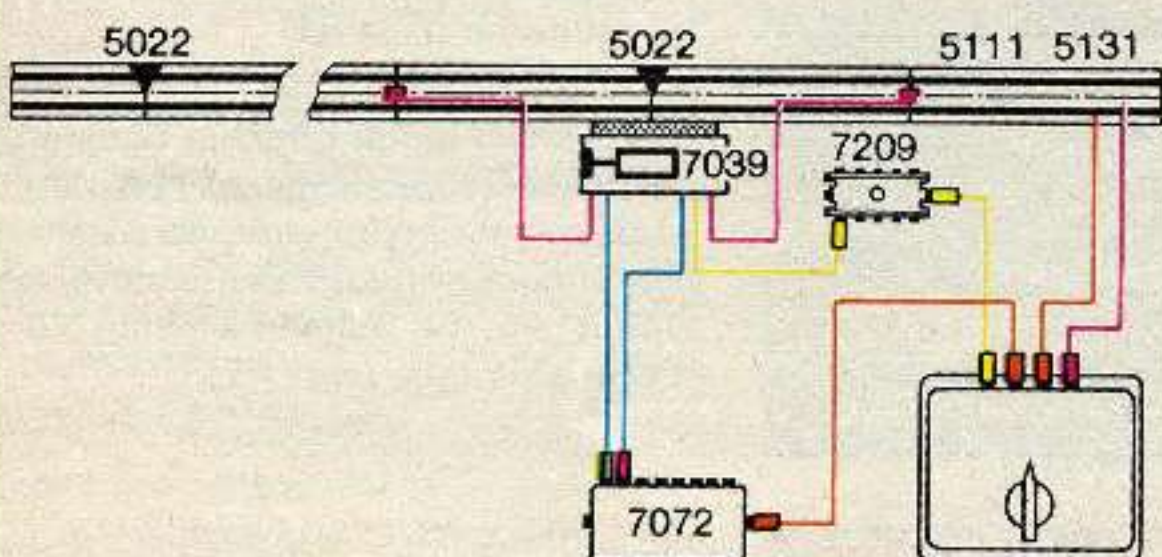
7188

Color light home signal.



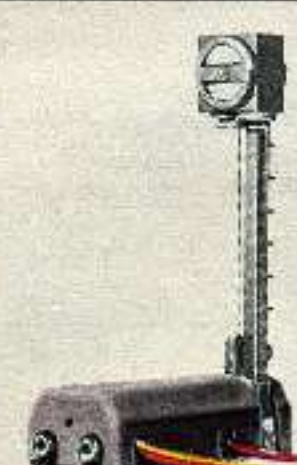
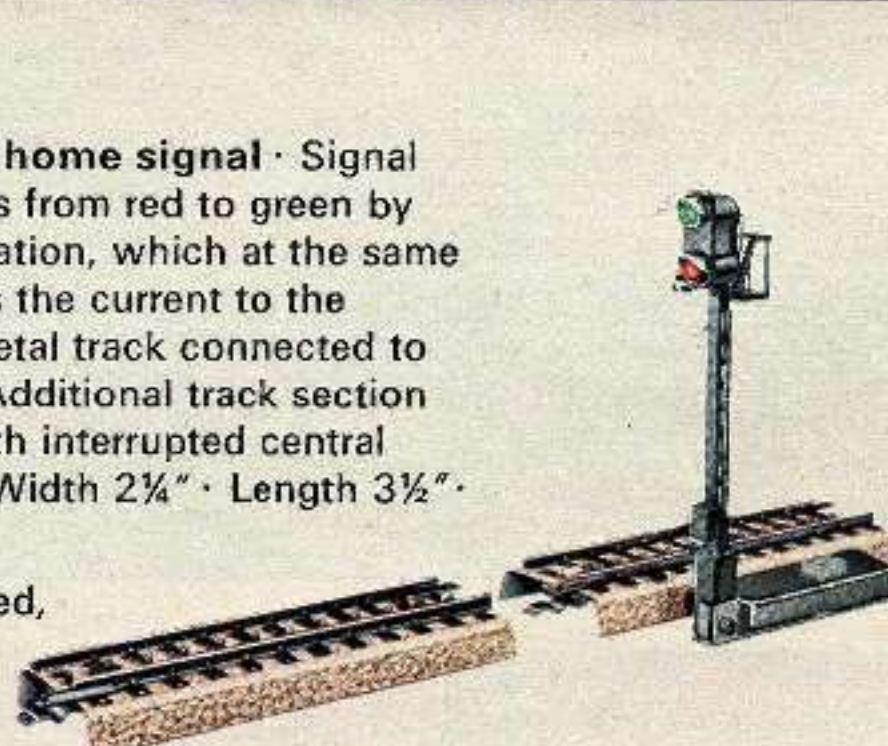
Signal light changes from red to green. Double solenoid. Lighting by 2 bulbs. Additional manual switching lever. Pair of sockets for connections to warning signal 7187. Width 1 1/8". Length 2 3/4". Height 3 3/8".
 ⚡ = 60001 red
 60002 green

Connection of 7039 for track contact operation



7339

Color light home signal. Signal light changes from red to green by manual operation, which at the same time controls the current to the section of metal track connected to the signal. Additional track section 3 1/2" long with interrupted central conductor. Width 2 1/4". Length 3 1/2". Height 3 1/2".
 ⚡ = 60001 red,
 60002 green



7042

Yard and siding signal. Mast with movable front and rear disks. Double solenoid. Width 1 1/8". Length 2 3/4". Height 2 3/8".
 ⚡ = 60000

7045

Universal remote control switch. It can be given various functions, which it then carries out automatically and reliably, e.g. causing a moving train to switch station lighting on and off, overriding the control by signal for trains travelling in the opposite direction, and many more. It is all fully described in the in-

stallation instructions and our Signal Manual. The universal remote control switch is controlled from the control panel, or by switching track sections. Double solenoid. Width 1 1/8". Length 2 3/4". Height 3 1/10".



0341

Märklin Signal Manual for M Tracks. For description, see page 68

5004

Connecting lead for center track conductor. Length 30"



5015

Insulation marker for marking insulation points



5022

Center track conductor insulator for insulating 5 joints



Unsurpassed for their manifold possible combinations

Märklin HO

K tracks for the enthusiast

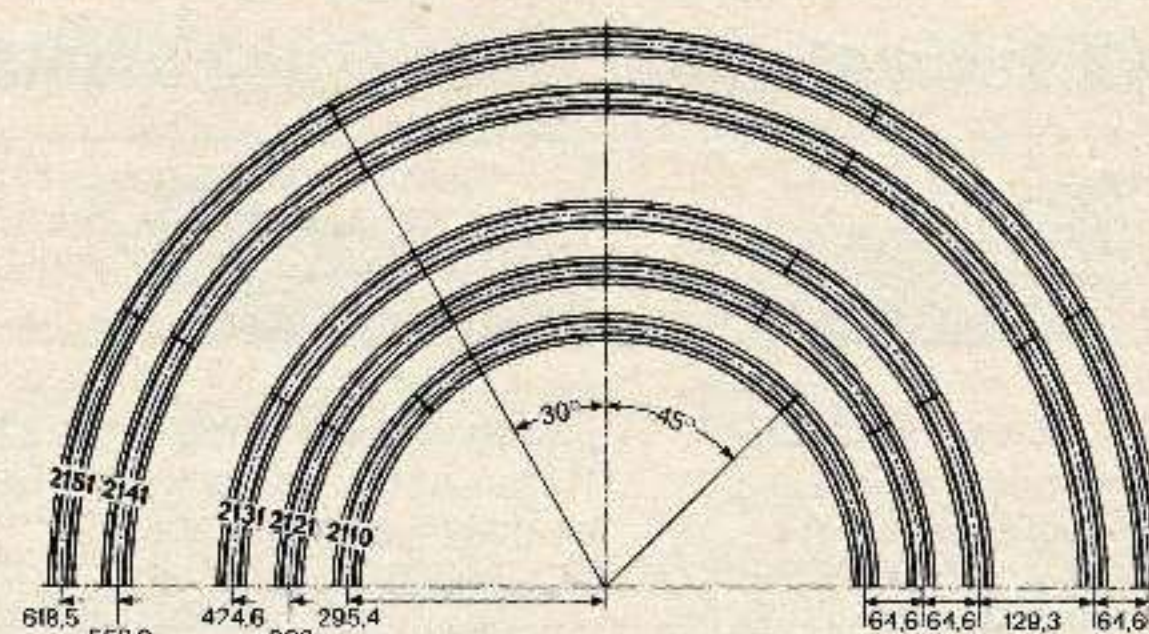
Märklin K tracks 2100 (K = plastic ties)

The Märklin K track, series 2100, uses the same stud contact system, the advantages of which were described on page 47. With these track sections the two rails are laid on plastic strip with ties. The contact studs project through from underneath the ties and ensure very reliable current pick-up. The six-fold connection between one track section and the next consists of rail joiners, sprung connectors for the center conductor and snap couplings

for the plastic tie strips. Flush wood screws 7599 (see page 56) are recommended for fastening the K tracks to a base.

The five Märklin K track circles:

- 1 industrial circle 2110 = 8 track sections
- 1 standard circle I 2121 = 12 track sections
- 1 standard circle II 2131 = 12 track sections



- 1 large circle I 2141 = 12 track sections
- 1 large circle II 2151 = 12 track sections

Straight track sections



2100 Full length = 7"



2101 Half length = 3 1/2"

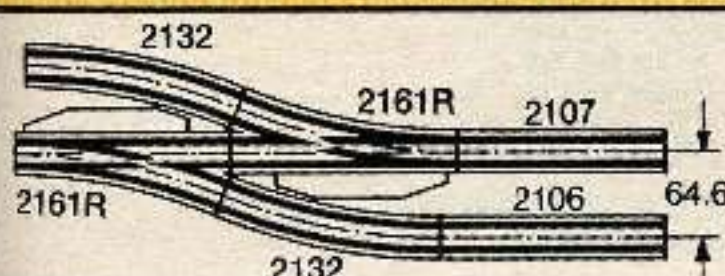


2102 Quarter length = 1 3/4"

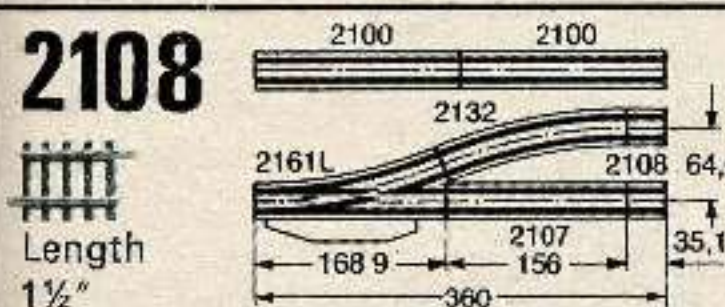


2104 1/8" length = 7/8"

Straight make-up sections



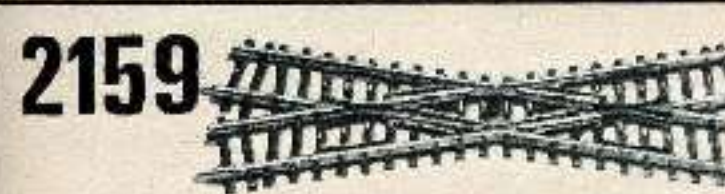
2106 Length 6 3/4"



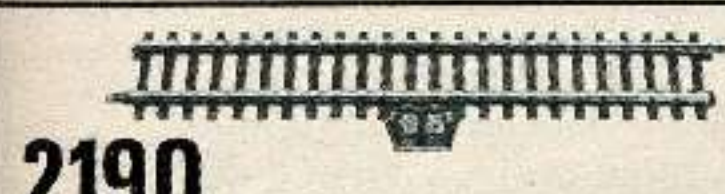
2107 Length 6"



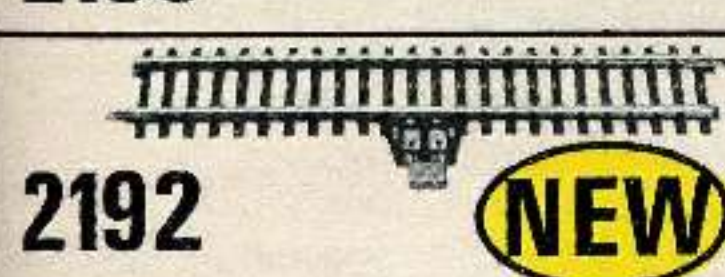
2158 Crossing · Crossing angle 45° · Length of straight sections 3 1/2"



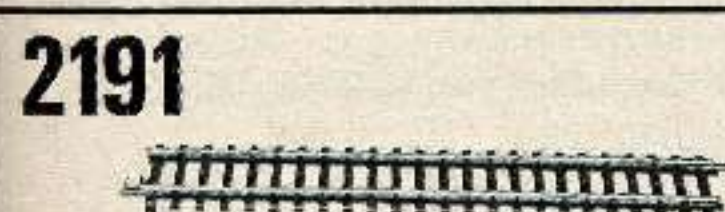
2159 Crossing · Crossing angle 22° 30' · Length of straight sections 6 1/2"



2190 Feeder track section, straight · Full length = 7" · 2 lead terminals marked "O" and "B" for connecting the track power lead



2192 Feeder track section, straight · Similar to 2190 but plus a built-in capacitor as suppressor · For 1 traction current circuit, 1 x 2192 should be used



2191 Adapter track section, straight · Full length = 7" · Enables track sections of the 5100 and 5200 series to be connected to the 2100 series

Uncoupler track section · Half length = 3 1/2" · For releasing auto-



matic couplings · The uncoupling ramp between the rails can be operated either manually by the hand switch lever, or from the control panel by means of the solenoids incorporated



2199 Switching track section, straight · Half length = 3 1/2"

Curved track sections

Radius 12" Industrial circle



2110 Full length = 45°

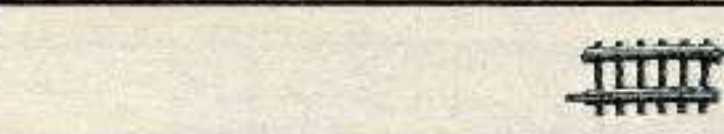
Radius 15" Standard circle I



2121 Full length = 30°



2123 Half length = 15°



2124 Quarter length = 7° 30'



2129 Switching track section, curved · Half length = 15° · R 15"

Radius 17" Standard circle II



2131 Full length = 30°



2132 1/4 length = 22° 30'



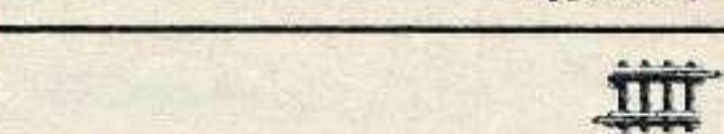
2133 Half length = 15°



2134 Quarter length = 7° 30'



2135 1/8 length = 3° 45'

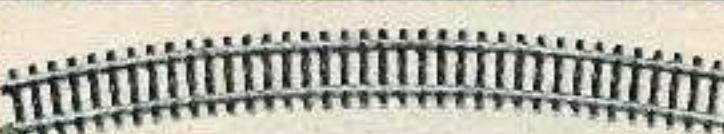


2139 Switching track section, curved · Half length = 15° · R 17"

The switching track sections (2129, 2139, 2199) make possible the automatic control of all solenoid-operated items by the passing train. They are actuated by the pick-up shoe in the locomotive and can

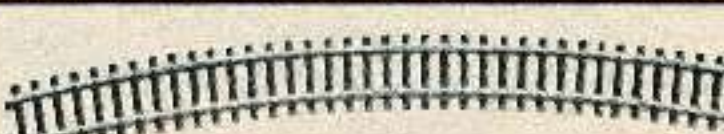
trigger various switching operations in each direction independently of the other. The control pulses are picked up from two contacts electrically isolated from one another.

Radius 21 1/2" Large circle I



2141 Full length = 30°

Radius 24" Large circle II



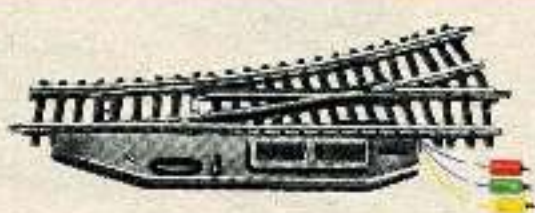
2151 Full length = 30°

K turnouts K track for layout extension

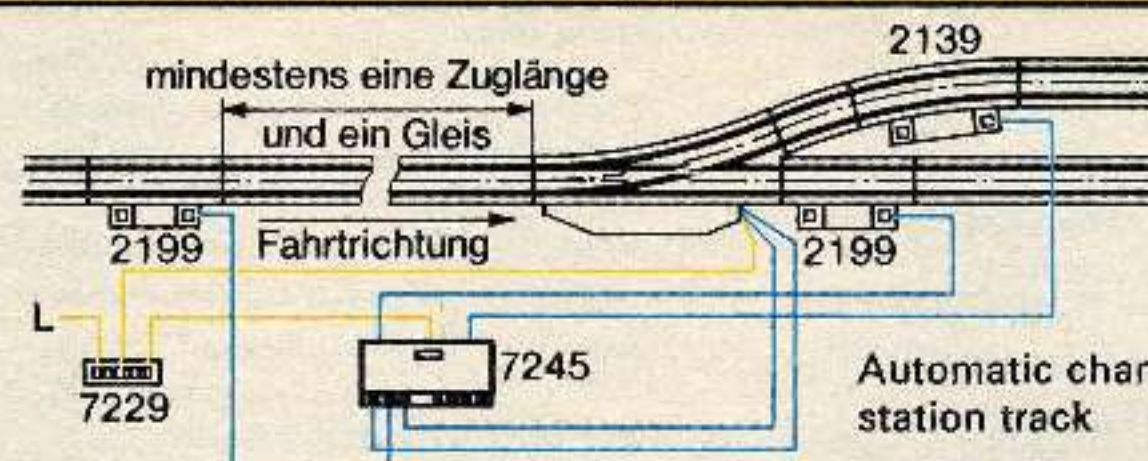
Märklin K turnouts 2100 with sprung points

2161

Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, both operated by double solenoid · Work-



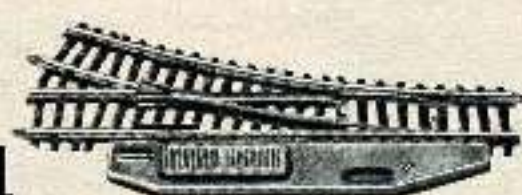
ing signal lights · Frog angle $22^{\circ} 30'$ · Radius of branch track $17''$ · Length of straight section $6\frac{1}{2}''$ · $\varnothing = 60000$



Automatic changeover of double station track

2164

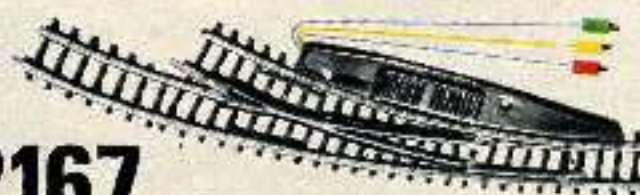
Pair of manually operated turnouts · Consisting of one right-hand and one left-hand turnout · Frog



angle $22^{\circ} 30'$ · Radius of branch track $17''$ · Length of straight track section $6\frac{1}{2}''$ · Operated by hand lever

2167

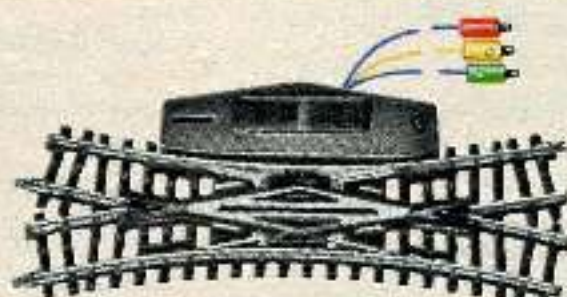
Pair of solenoid-operated curved turnouts · Consisting of one right-hand and one left-hand inside turnout operated by double solenoid ·



Length and curvature of the branch track as for track section 2121 · Length of the outside track section $9\frac{1}{2}''$

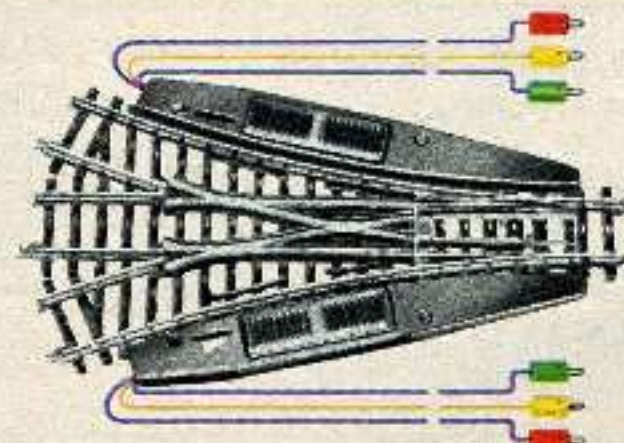
2160

Double slip switch · Crossing angle $22^{\circ} 30'$ · Radius $17''$ · Inside points operated by double solenoid actuated remotely · Additionally hand lever for manual operation · Length of the straight track sections $6\frac{1}{2}''$



2170

Symmetrical three-way turnout operated by 2 double solenoids · Two hand levers for manual setting of the two pairs of points · Length of straight track section $6\frac{1}{2}''$ · Frog angle $22^{\circ} 30'$ · Radius of branch track $17''$



7391

Buffer stop of riveted steel construction · Snaps into the rails · Length $1\frac{1}{2}''$ · Wood fixing screws supplied



7500

Ground connection with terminal for connecting the ground wire to series 2100 track sections



7504

Connection for center conductor with terminal · At the rail joint, it is pushed on to the contact strip of the Series 2100 track section



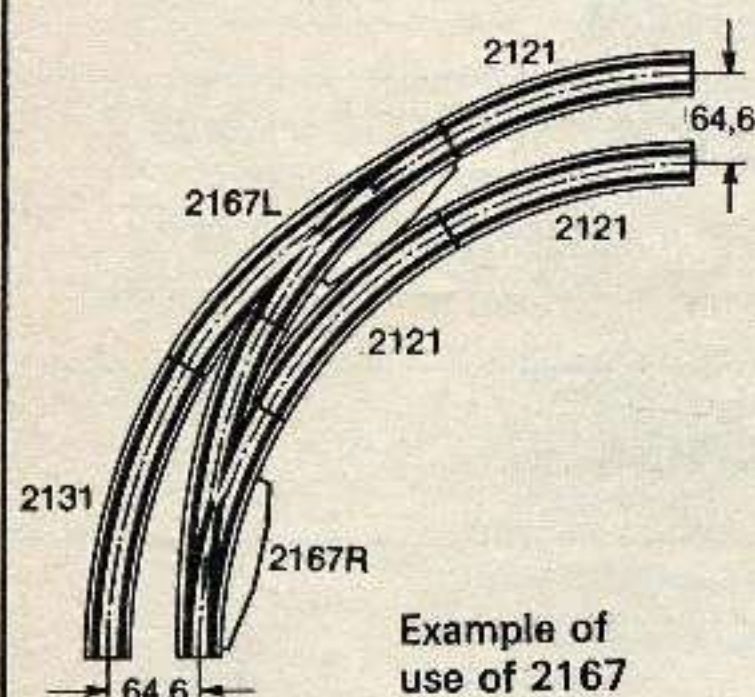
7522

Insulation for center conductor · Is inserted at the rail joint between the contact strip of series 2100 track section to provide a break in the circuit

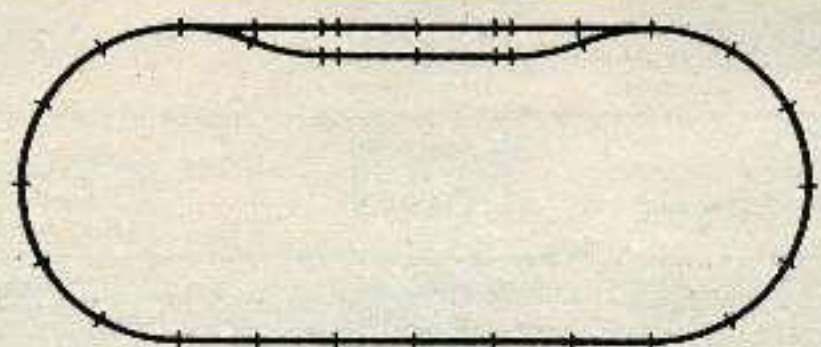


7599

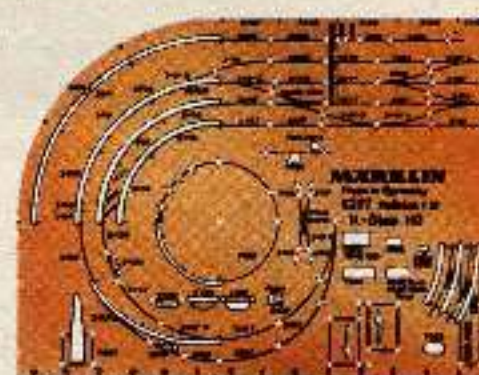
Flush wood screws for fixing plastic tracks · Packed in 200's



Some simple HO gauge track plans for K tracks

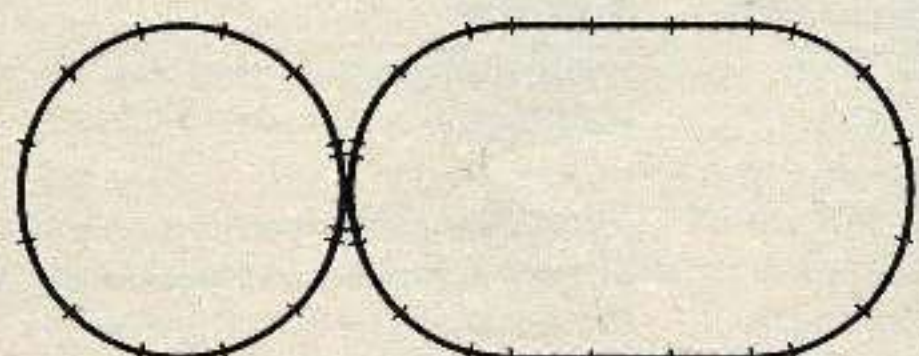


Oval with passing siding
Size: $74\frac{1}{4}'' \times 32''$
Track sections: 9×2100 , 2×2107 , 4×2108 , 12×2121 , 2×2132 , 1×2190 or 2192 , 1 pair of turnouts 2161 or 2164



0207

Track planning template for Märklin K tracks (series 2100), HO gauge · Track sections, turnouts, crossings, etc., are cut in the template to a scale of 1:10 and can easily be transferred on to paper with a sharp pencil

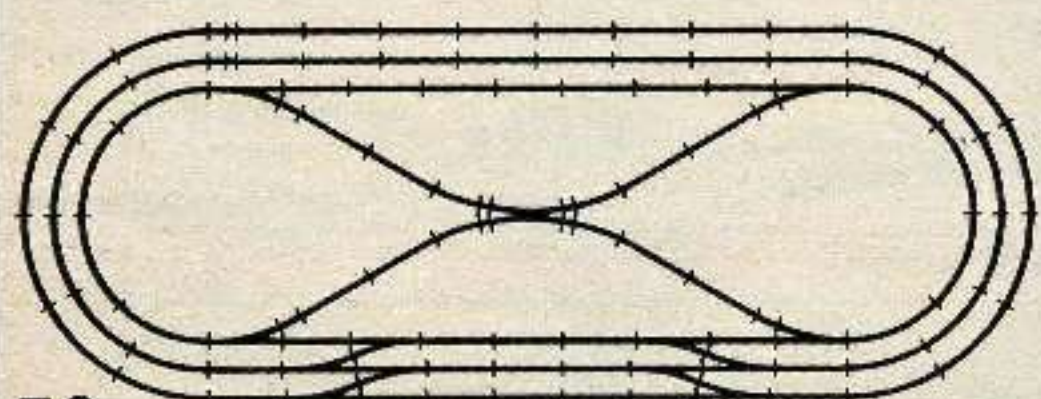


Simple track layout with crossing
Size: $82\frac{1}{2}'' \times 33''$
Track sections: 5×2100 , 18×2121 , 4×2123 , 2×2131 , 4×2135 , 1×2190 or 2192 , 1 crossing 2159 or 2160



0371

Märklin track layouts, HO gauge, for K tracks, series 2100 · An outstanding guide · 52 pages



Three-track oval with double reverse loop
Size: $92'' \times 37\frac{3}{4}''$
Track sections: 23×2100 , 2×2102 , 2×2104 , 8×2106 , 16×2107 , 8×2110 , 12×2121 , 12×2131 , 4×2133 , 4×2134 , 4×2135 , 1×2190 or 2192 , 1 crossing 2159 or 2160, 6 pairs of turnouts 2161 or 2164



0379

Märklin track layouts, HO gauge, for K tracks, series 2100 · Simple track plans · 20 pages

These booklets are described on page 68.

Signals for K+M tracks

Märklin Signals 7200 for K+M tracks

The home light signals and siding signals of series 7200 are fitted with switches for the traction current, for independent control of the catenary system and the center contacts on the track. The masts of these signals,

or the light-holder housing in the case of the siding signal 7242, can be set up individually and separately from the signal operation. The bracket 7230 is then required for fixing the masts. The ground con-

nection for track sections of series 2100 is through the base plates which are supplied with them, or by wire, and for track sections of series 5100 and 5200 by wire.

7236

Warning light signal · Signal lights change from amber/amber

(caution) to green/green (proceed), using 4 bulbs · Only for connection to the home light signal 7239 · Used with fixing bracket 7230 and base plate · Width $\frac{1}{2}$ " · Length $1\frac{1}{2}$ " · Height $2\frac{1}{2}$ "

⚡ = 60202 green
60204 amber



7237

Warning light signal · Signal lights change from amber/amber

(caution) to amber/green (proceed with caution), using 4 bulbs · Only for connection to home light signal 7240 · With fixing bracket 7230 and base plate · Width $\frac{1}{2}$ " · Length $1\frac{1}{2}$ " · Height $2\frac{1}{2}$ "

⚡ = 60202 green
60204 amber

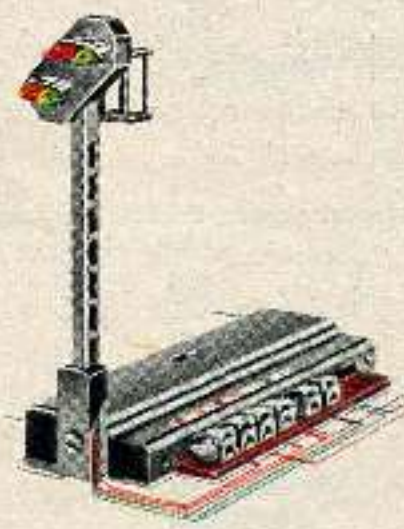


7238

Warning light signal · Signal lights change from amber/amber

(caution) to green/green (proceed) or amber/green (proceed with caution), using 4 bulbs · Double solenoid operation for the amber/green setting · To be used with home light signal 7241 · With base plate · Width $1\frac{1}{2}$ " · Length $2\frac{3}{4}$ " · Height $2\frac{1}{2}$ "

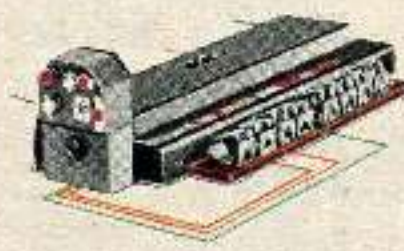
⚡ = 60202 green
60204 amber



7242

Siding signal, dwarf version · Signal lights change from red/red (stop) to white/white (proceed with extreme caution) and traction current is controlled by double solenoid operation · Two light bulbs provide the signal lights · Additionally, a manually operated switch lever · Width $1\frac{1}{2}$ " · Length $2\frac{3}{4}$ " · Height $\frac{3}{4}$ "

⚡ = 60200

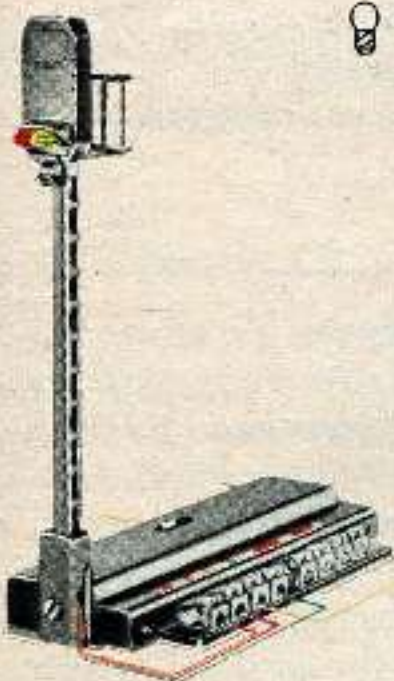


7239

Home light signal · Signal light changes from red (stop) to

green (proceed), with traction current controlled by a double solenoid · 2 bulbs · Additionally, a manually operated switch · With base plate · Width $1\frac{1}{2}$ " · Length $2\frac{3}{4}$ " · Height $3\frac{1}{2}$ "

⚡ = 60201 red
60202 green

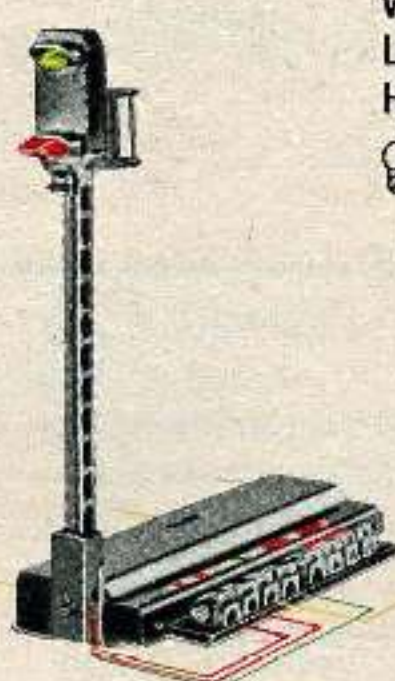


7240

Home light signal · Signal lights change from red (stop) to

green/amber (proceed with caution), with control of the traction current by operation of a double solenoid · 3 bulbs · Additionally, a manually operated lever · With base plate · Width $1\frac{1}{2}$ " · Length $2\frac{3}{4}$ " · Height $3\frac{1}{2}$ "

⚡ = 60201 red
60202 green
60204 amber

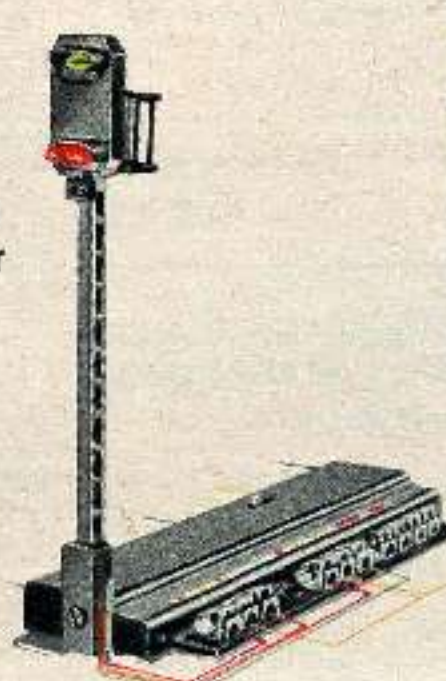


7241

Home light signal · Signal lights change from red (stop) to green

(proceed) or green/amber (proceed with caution), with control of the traction current by double solenoid, with a third solenoid in addition for the green/amber setting · 3 bulbs · Additionally, 2 manually operated switch levers · With base plate · Width $1\frac{1}{2}$ " · Length $3\frac{1}{4}$ " · Height $3\frac{1}{2}$ "

⚡ = 60201 red
60202 green
60204 amber



7245

Universal remote control switch with 2 single-pole switches and a change-over switch for various circuits · It can be given various functions (up to 3 operations simultaneously), which it then carries out automatically and reliably, e.g., causing a moving train to switch station lighting on and off, overriding the control by signal of trains travelling in the opposite direction and many more · Many ways of using it are shown in the Signal Manual 0361 and in the installation instructions · Operated by double solenoid · Can be actuated by switching track section, control panel or manually operated switch lever · Width $1\frac{1}{2}$ " · Length $2\frac{3}{4}$ " · Height $\frac{3}{4}$ "

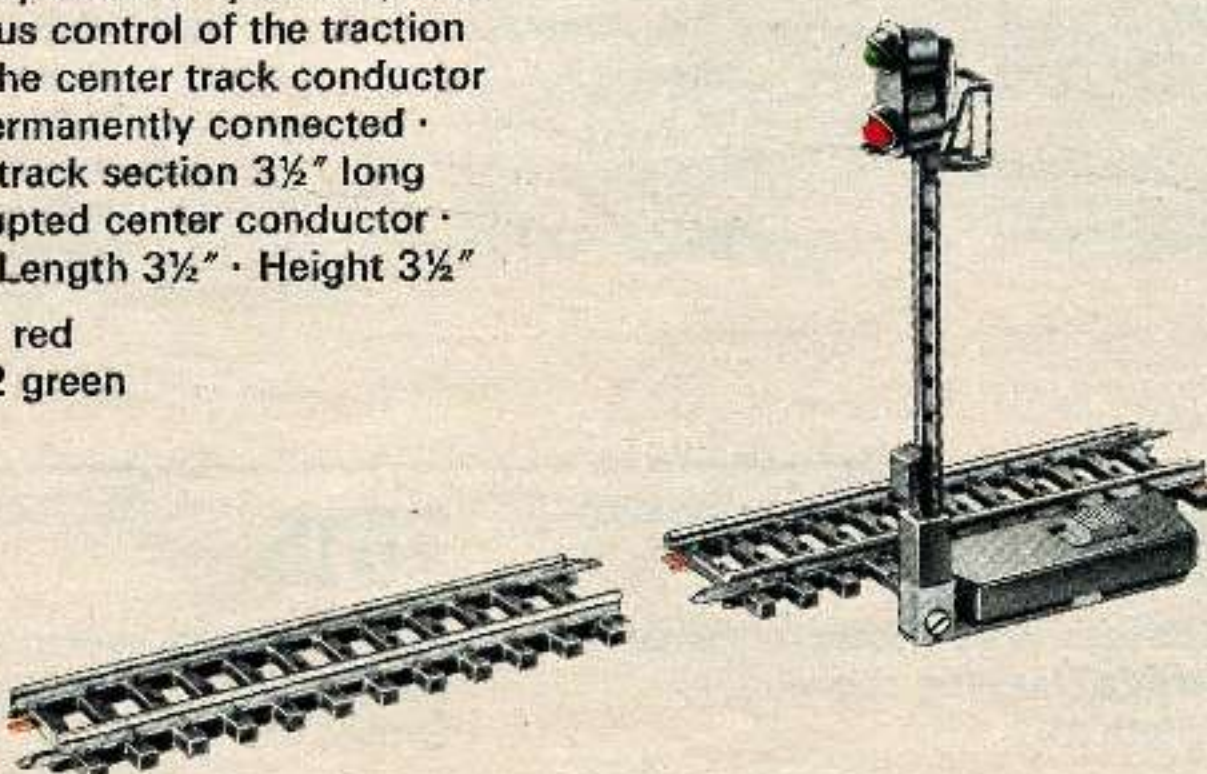


Insulators for center track conductors, connections for central track conductors and instructions are included with home signals 7239, 7240 and 7241.

7539 for K tracks only

Home light signal · Signal light changes from red (stop) to green (proceed) by manual operation, with simultaneous control of the traction current in the center track conductor which is permanently connected · Additional track section $3\frac{1}{2}$ " long with interrupted center conductor · Width $2\frac{1}{2}$ " · Length $3\frac{1}{2}$ " · Height $3\frac{1}{2}$ "

⚡ = 60001 red
60002 green



0361

Märklin Signal Manual for K Tracks · For description, see page 68



7230

Fixing bracket · Is required if the mast of light signals 7238, 7239, 7240, 7241 and the siding signal 7242 are set up separated from the solenoid drive



Catenary system

Märklin catenary system for M tracks 5100/5200

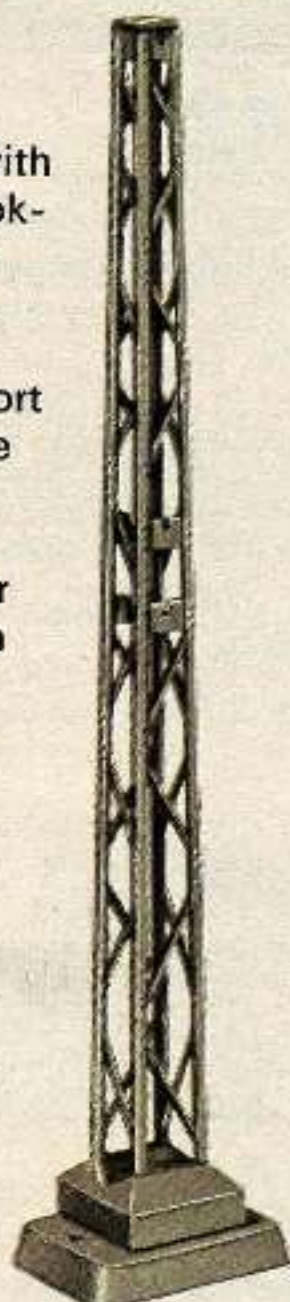
The electric locomotives can pick up their current from the overhead contact wire with the same reliability as from the stud contacts. All that has to be done is to switch over a

small lever on the locomotive. With the Märklin system it makes no difference in which direction the locomotive is placed on the track. It is advisable to connect the cate-

nary system to a separate transformer; two trains can then run independently of one another on the same track using the catenary system and the stud contacts.

7021

Tower mast with recesses for hooking in the cross spans 7016 or 7017 and the cantilever support arm 7025 for the overhead wire. Base 1" x 1 1/4". Height 7 1/2". For tower mast with arc light, see page 66



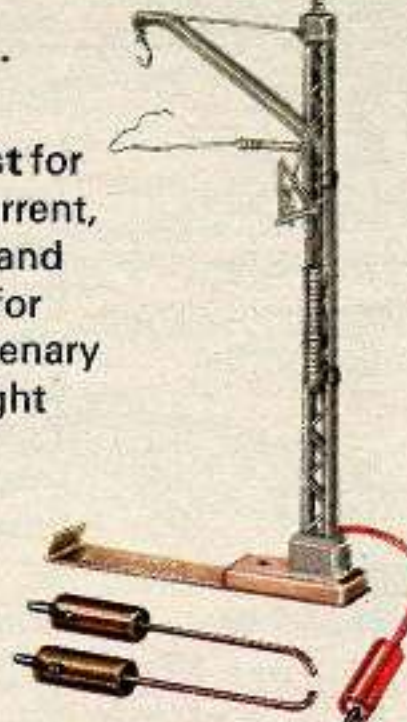
7009

Catenary mast. Basic unit. Height 4 3/8"



7010

Feeder mast for supplying current, with 2 leads and instructions for using the catenary system. Height 4 3/8"



7012

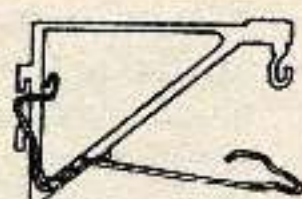
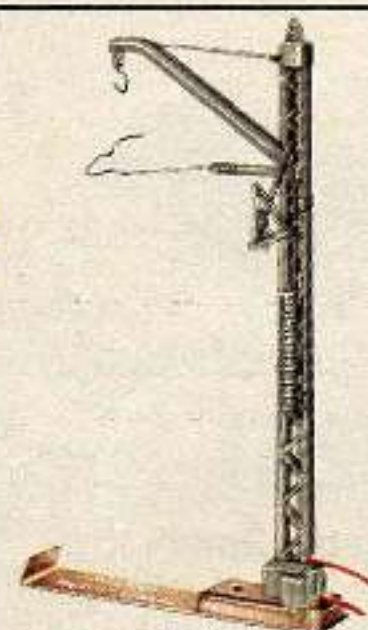
Feeder mast for signals, with 1 lead. Height 4 3/8"



NEW

7201

Feeder mast for supplying current, with 2 permanently connected leads, one red, one brown. Built-in capacitor to suppress radio interference. Including instructions for setting up the catenary system. Height 4 3/8"



7025

Cantilever support arm. A single track passing by the tower mast can be connected to the catenary system by this cantilever support arm 7025

7003

Catenary system feeder wire for connection to signals when tower masts are used and for supplying current to any point. Length 24"



7005

Catenary set for train control for signals of the 7000 series which are not mounted on tower masts. Consisting of 2 feeder masts 7012, 2 insulator sections 7022 and 2 overhead contact wire sections 7014

The overhead contact wires with their tensioning and cross span connectors are arranged exactly like the real thing. That is why the Märklin catenary system appears so realistic, both when it is above open tracks and particularly where spanning station tracks. The contact wire sections are for use both with M

tracks and K tracks. The sprung contact wire holders on the masts ensure reliable contact with the contact wires.

The ingenious snap-plug connectors enable the contact wire sections, e.g. 7013 and 7023, always to be pushed through to the required length.

The contact wires are flexible and can be adopted to any curve without the use of any auxiliary equipment. The longest contact wire section 7019 is intended for long straight runs.

Using the tower masts 7021 and 7521 and the cross spans 7016, any

width of tracks can be spanned. 4 tracks need one cross span and each extra 4 tracks need a further cross span and tower mast. For single tracks passing by a tower, but not between two towers, the overhead contact wires can be mounted on the cantilever arms 7025 and 7525.

Märklin catenary system for K + M tracks

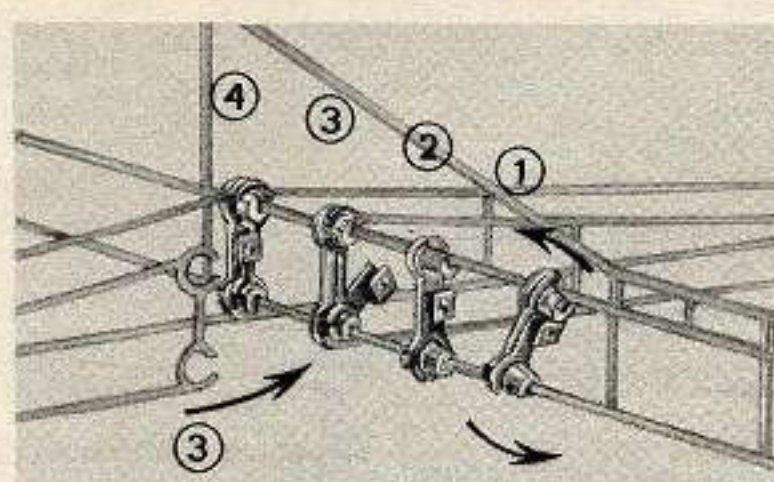
7511

Bridge mast. For attaching to the side of plastic bridges and ramps. Height 3 3/8"



7004

Fastening kit. Consisting of 5 bolts, 5 nuts and 5 washers. Used only in exceptional cases where it is not possible to make a reliable contact wire joint by the usual method of assembly



7006

Contact wire insulator. For insulating sections of contact wire from cross spans. One required for each track and cross span. 5/8" x 1/4"

All contact wire sections are nickel plated.

7013

Contact wire section for plug connection, especially for turnouts. Length 9 1/2"



7014

Contact wire section. Female portion (for plug connection). Length 4 1/2"



7015

Contact wire section. Male portion (for plug connection). Length 4 1/2"

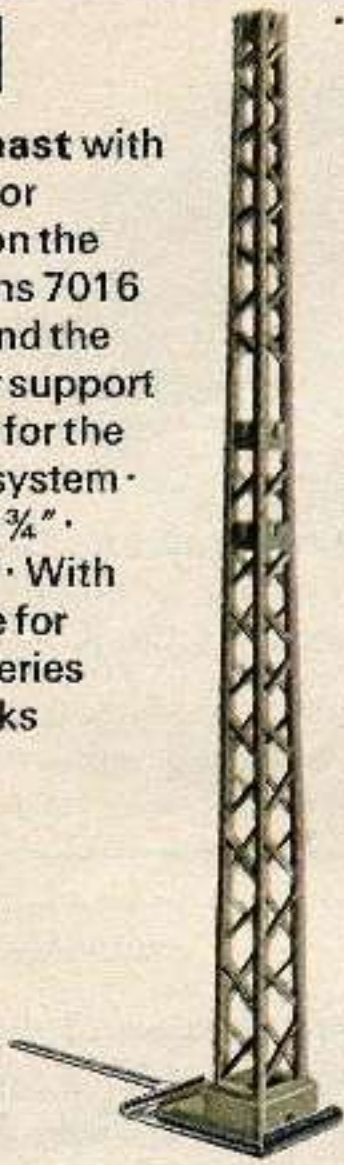


Catenary system

Märklin catenary system for K track 2100

7521

Tower mast with recesses for hooking on the cross spans 7016 or 7017 and the cantilever support arm 7525 for the catenary system. Base $\frac{1}{2}'' \times \frac{3}{4}''$. Height 6". With base plate for fixing to series 2100 tracks



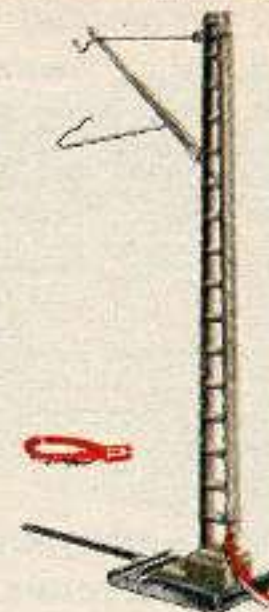
7509

Catenary mast Basic unit for the construction of a catenary system over track sections of the 2100 series. Height $3\frac{3}{8}''$. With base plate for fixing the mast to the track



7510

Feeder mast with a red lead and plug attached to the mast. Brown lead with plug. Instructions for building the catenary system are included. Height $3\frac{3}{8}''$. With base plate for fixing to series 2100 tracks



7501

Feeder mast with 2 leads permanently attached, one red and one brown. Built-in capacitor to suppress radio interference. Base plate for fixing to series 2100 tracks. Instructions for building the catenary system are included. Height $3\frac{3}{8}''$



7505

Catenary set for train control for home light signals of the 7200 series which are not mounted on tower masts. Consisting of 2 feeder masts 7512, 2 insulator sections 7022 and 2 contact wire sections 7014. For use with series 2100 track sections

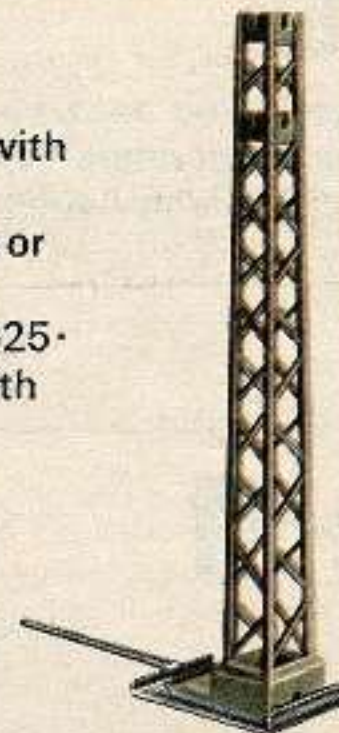
7512

Feeder mast with a red lead attached, for connecting the catenary system to the home signals. Height $3\frac{3}{8}''$. With base plate for fixing to series 2100 tracks



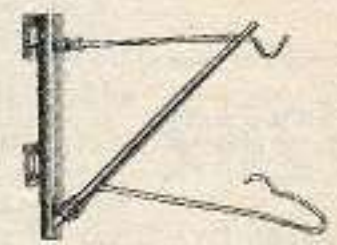
7524

Lattice mast with recesses for hooking on one or two cantilever support arms 7525. Height $3\frac{3}{8}''$. With base plate for fixing to series 2100 tracks

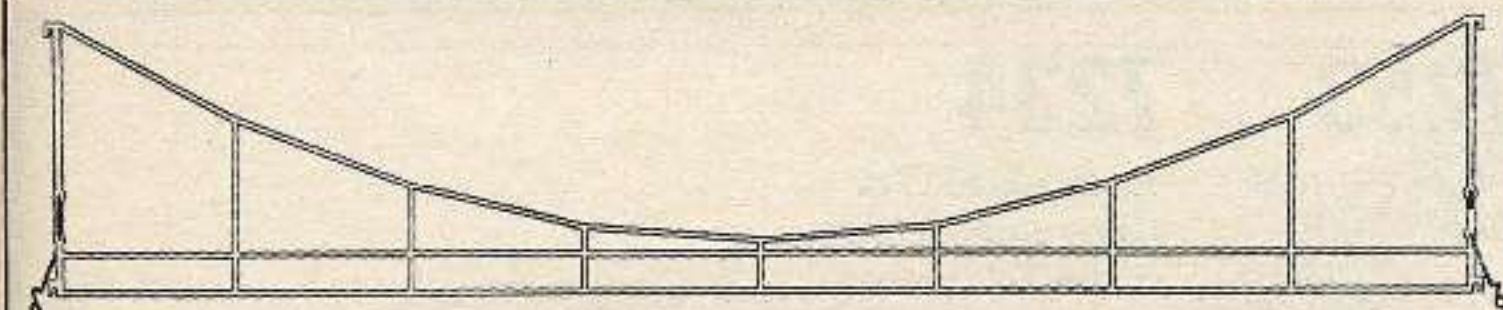


7525

Cantilever support arm for suspending single or double overhead contact wires in conjunction with tower mast 7521 or lattice mast 7524

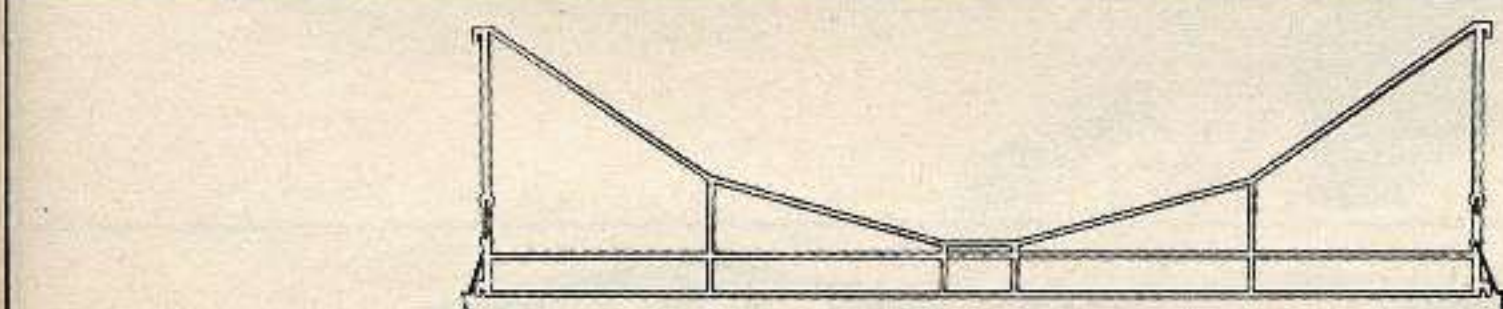


Märklin catenary system for K+M tracks



7016

Cross span For hooking into tower masts. Spans about 4 tracks. Span $15\frac{1}{2}''$

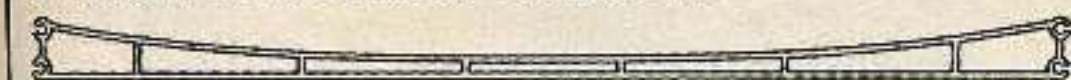


7017

Cross span For hooking into tower masts. Spans about 3 tracks. Span 11"

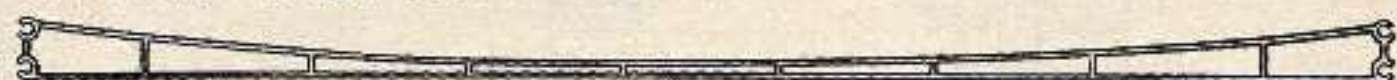
7018

Contact wire section for straight and curve track sections. Length $10\frac{3}{4}''$



7019

Contact wire section for straight track only. Length $14\frac{1}{2}''$



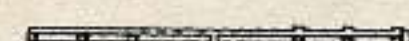
7022

Insulator section Male portion (for plug connection) for interrupting the overhead conductor current. Length $4\frac{1}{2}''$



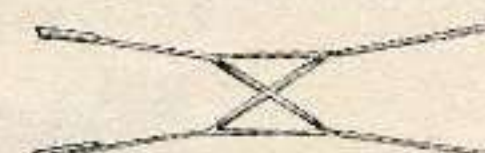
7023

Make-up section for plug connection. Length 4"



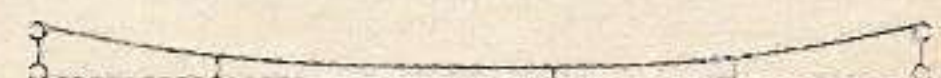
7277

Crossing section for 2158, 2159, 2160, 5114, 5128, 5207 and 5211



7278

Contact wire section for use over the inner track curve on curved double track section of series 2100. Length $9\frac{1}{4}''$



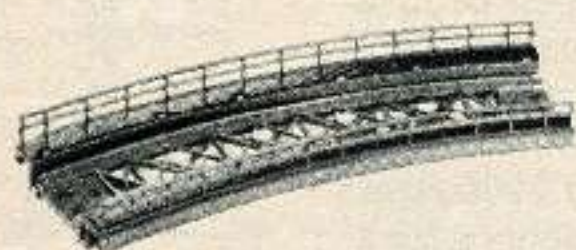
All contact wire sections are nickel plated.

Bridges K+M

Märklin bridges in plastic for K+M tracks

With the Märklin bridge parts any size or combination of bridges and ramps can be built. The pier constructional elements 7252 and 7253, which fit together like building blocks, enable piers of any height to be built up in steps of $\frac{1}{4}$ ". By using the base plate 7251 in conjunction

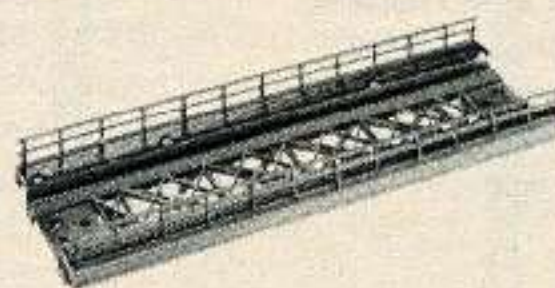
with the base plate 7250, it is even possible to raise the height by steps of $\frac{1}{8}$ " at a time. For fixing the pier sections on the base plate and fixing the sections together, the use of button head screws is recommended.



K+M

7267

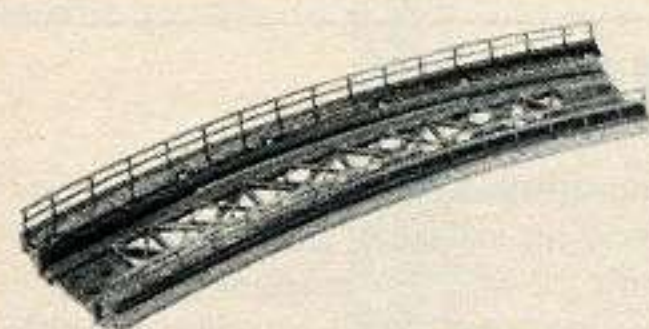
Curved ramp section · Grey · Radius of curvature 14" · For use with plastic or metal tracks · 3 clips for fastening the K-track · Length and radius as for track sections 2121 and 5100



K+M

7268

Straight ramp section · Grey · For use with plastic or metal tracks · 3 clips for fastening the K-track · Length 7"



7269 for **M** only

7269

Curved ramp section · Grey · Radius of curvature 17" · For metal tracks 5200 only · Angle subtended 30°



7569 for **K** only

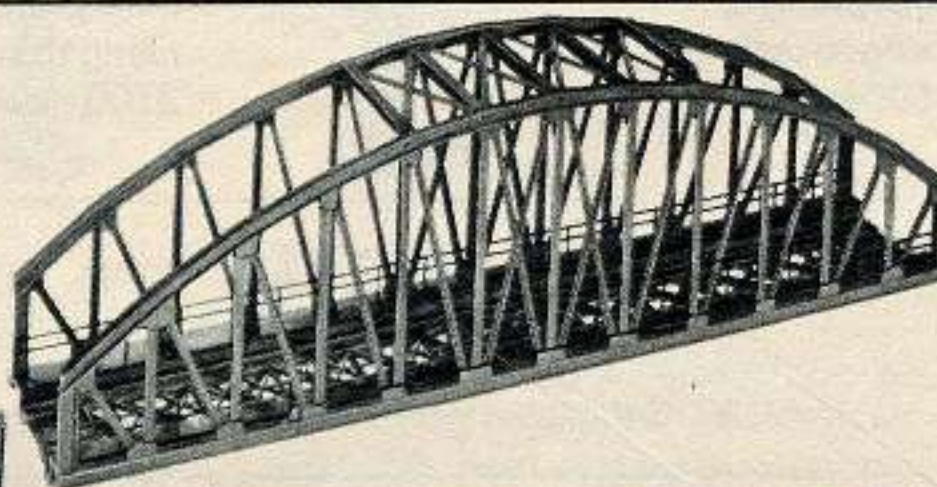
7569

Curved ramp section · Grey · Radius of curvature 16" · For plastic tracks only (Standard Circle II, see page 55) · 3 clips for fastening the K-track · Length and radius as for track section 2131

7262

Truss bridge · Grey · Can be used on its own or with arch bridge 7263 · For use with plastic or metal tracks · 3 clips for fastening the K-tracks and instructions for building the bridge · Height $1\frac{1}{4}$ " · Length 7"

K+M



K+M

7263

Arch bridge · Grey · For use with plastic or metal tracks · 6 clips for fixing the K-tracks and instructions for building the bridge · Height $4\frac{1}{2}$ " · Length 14"

7250

Base plate · $\frac{1}{10}$ " high · Light brown · Can be used as foundation



7251

Base plate · $\frac{1}{8}$ " high · Light brown · To be used only in conjunction with 7250



7252

Pier · $\frac{1}{4}$ " high · Grey · Suitable for building ramps with $\frac{1}{4}$ " rise from one pier to the next



7253

Pier · $1\frac{1}{4}$ " high · Grey

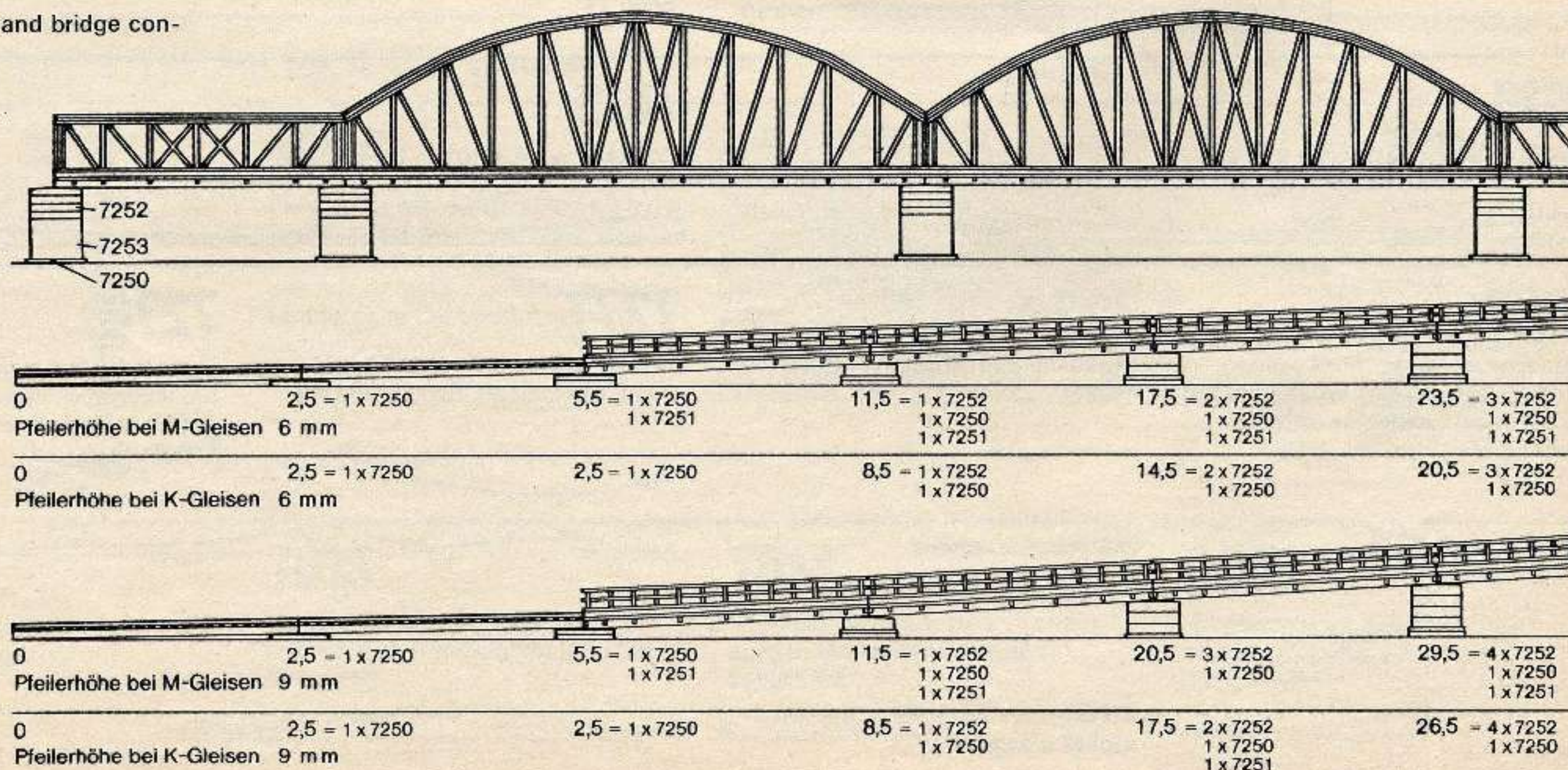


7234

Base plate · For fixing signal masts of the 7200 series to bridges



Examples of ramp and bridge construction

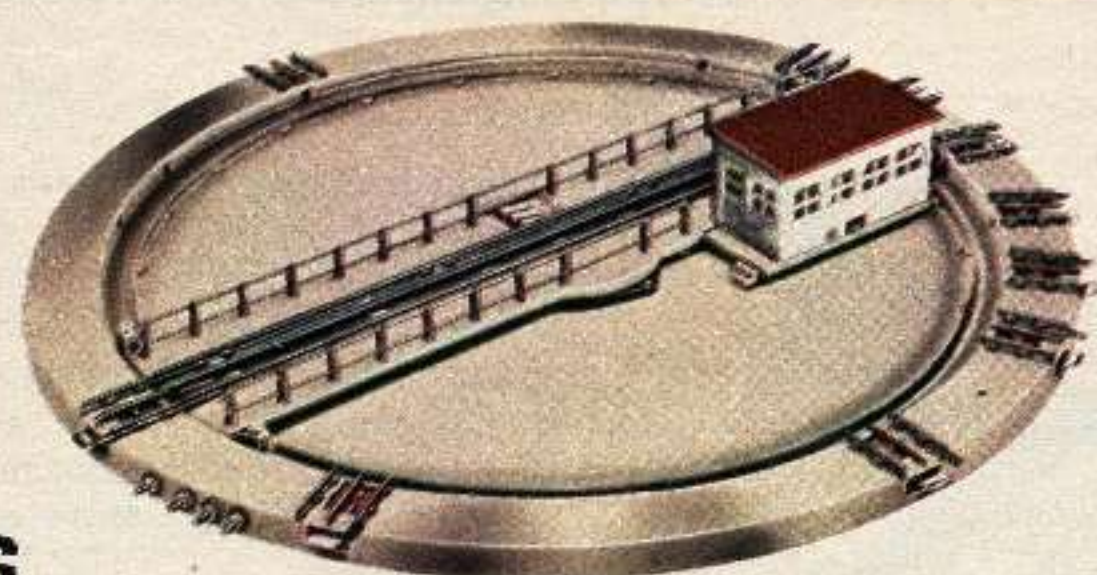


Loading and unloading by remote control with the slewing crane

MärklinHO

Accessories K+M

Remote controlled turntable



7186

Turntable set · Consisting of turntable with outside diameter of 14", turning in either direction by remote control, with reversing switch and lead · Current is automatically cut off from all tracks not in contact with the turntable track



Adapter track section 2191 (see page 55) enables K track 2100 to be connected to the turntable 7186.

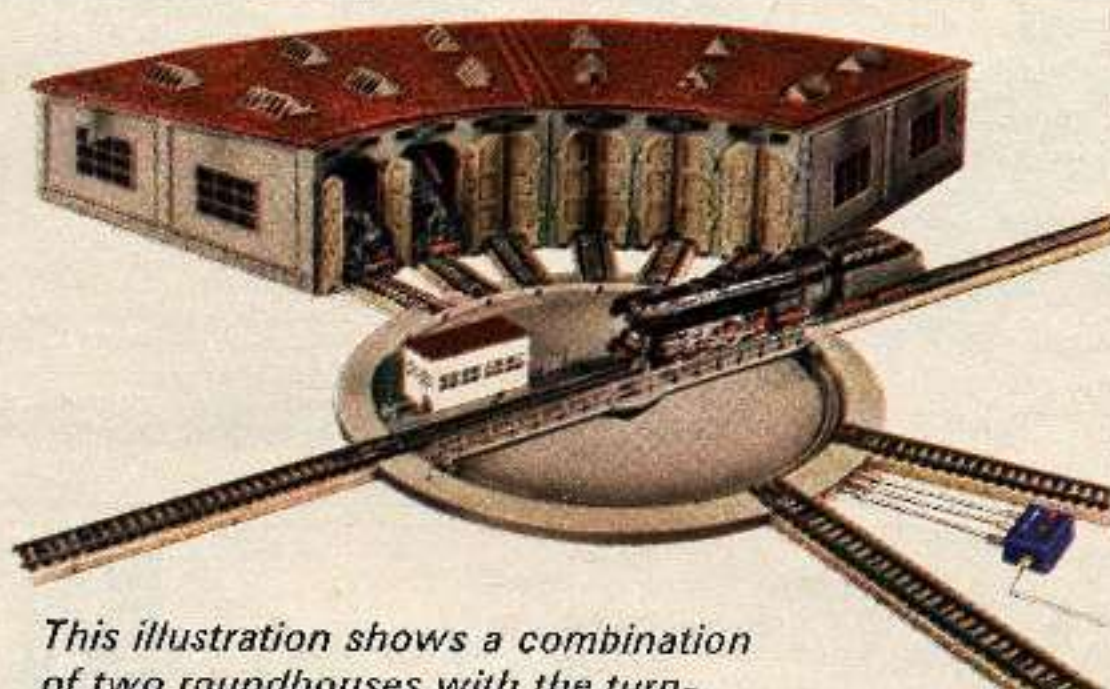
Locomotive roundhouse



7028

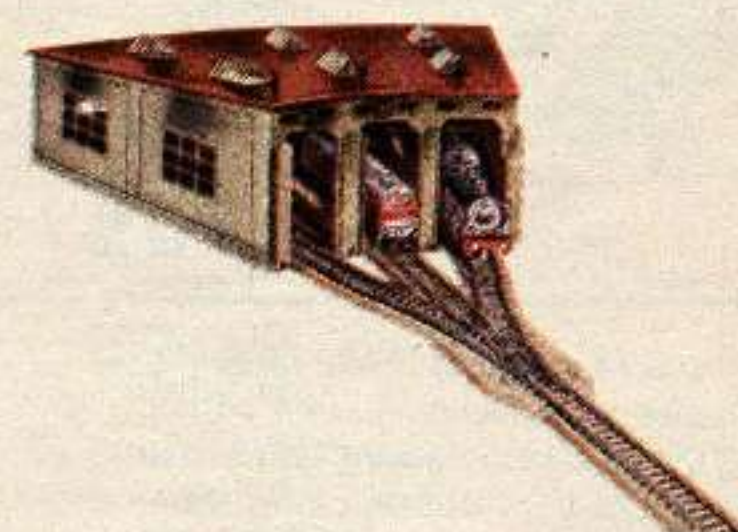
Locomotive roundhouse with 3 automatically closing doors for 3 tracks · (Track section not included) · Size 18" x 14 1/2" · Height 5 1/4"

A turntable and roundhouse help to complete your model railroad. The turntable is used to enable locomotives to be turned round on the spot, so that they have the smoke stack in front in the direction of travel. Most locomotives are authorised to travel faster forwards than backwards. In addition, the turntable is used to distribute the locomotive to the 3 or 6 tracks in the roundhouse, or to guide them to the right track for their departure. The current is cut off all tracks not in contact with the turntable track.

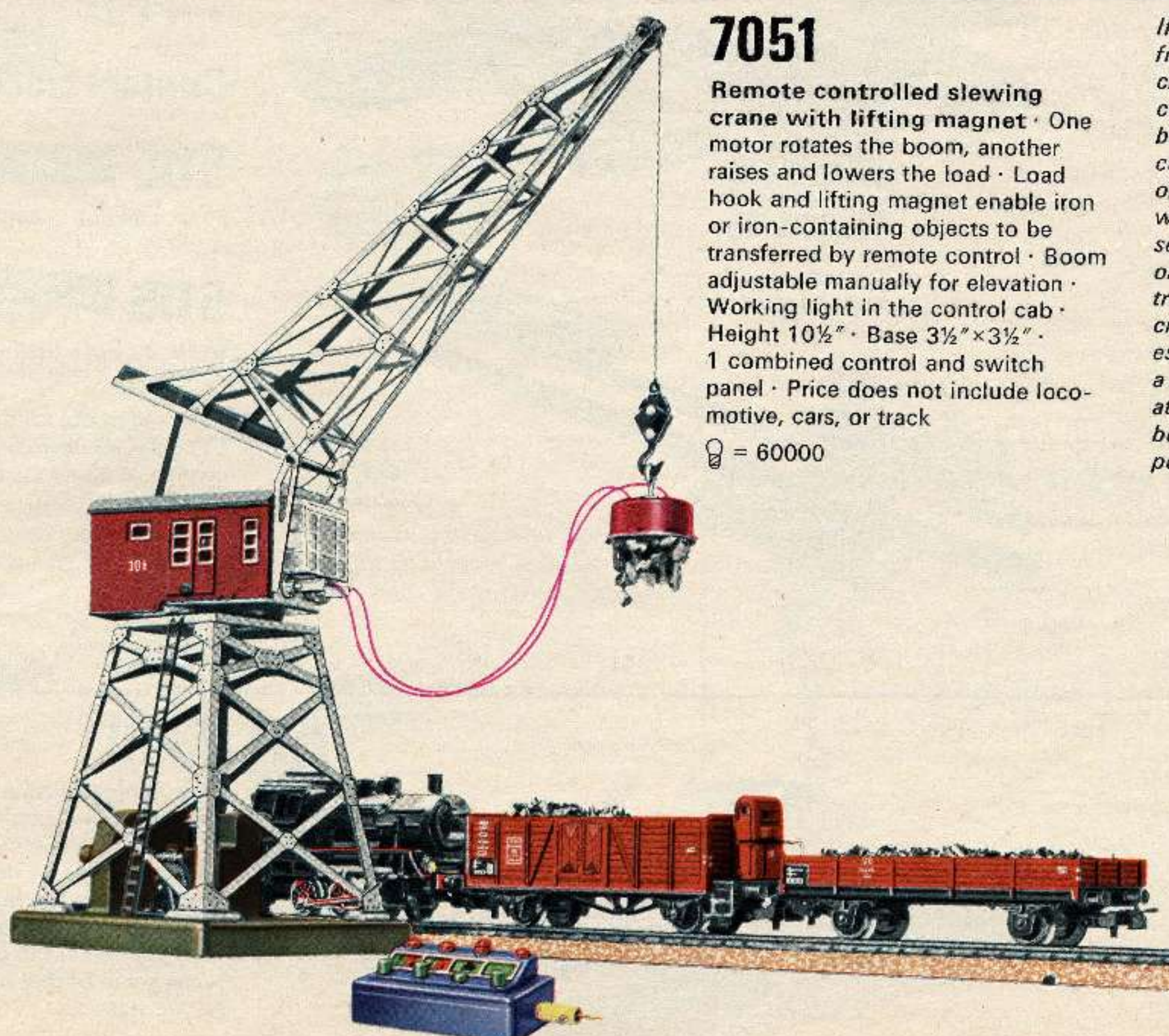


This illustration shows a combination of two roundhouses with the turntable, to give a realistic reproduction of the original.

Suggested combination of roundhouse 7028 with three-way turnout 5214



Remote controlled slewing crane



7051

Remote controlled slewing crane with lifting magnet · One motor rotates the boom, another raises and lowers the load · Load hook and lifting magnet enable iron or iron-containing objects to be transferred by remote control · Boom adjustable manually for elevation · Working light in the control cab · Height 10 1/2" · Base 3 1/2" x 3 1/2" · 1 combined control and switch panel · Price does not include locomotive, cars, or track

⚡ = 60000

If you want to load and unload your freight trains properly, you need this crane. The lifting magnet will of course lift only iron, but other things besides "scrap iron" and "pig iron" can still be loaded. Screw a couple of small screws inconspicuously into wood and everyone is surprised to see the magnet lift a wooden crate or wooden planks out of a road truck on to a freight car. A slewing crane not only introduces new, interesting variations in the operation of a model railroad, since all the operations can be remotely controlled, but it also adds realism to the transport procedure.

Accessories M

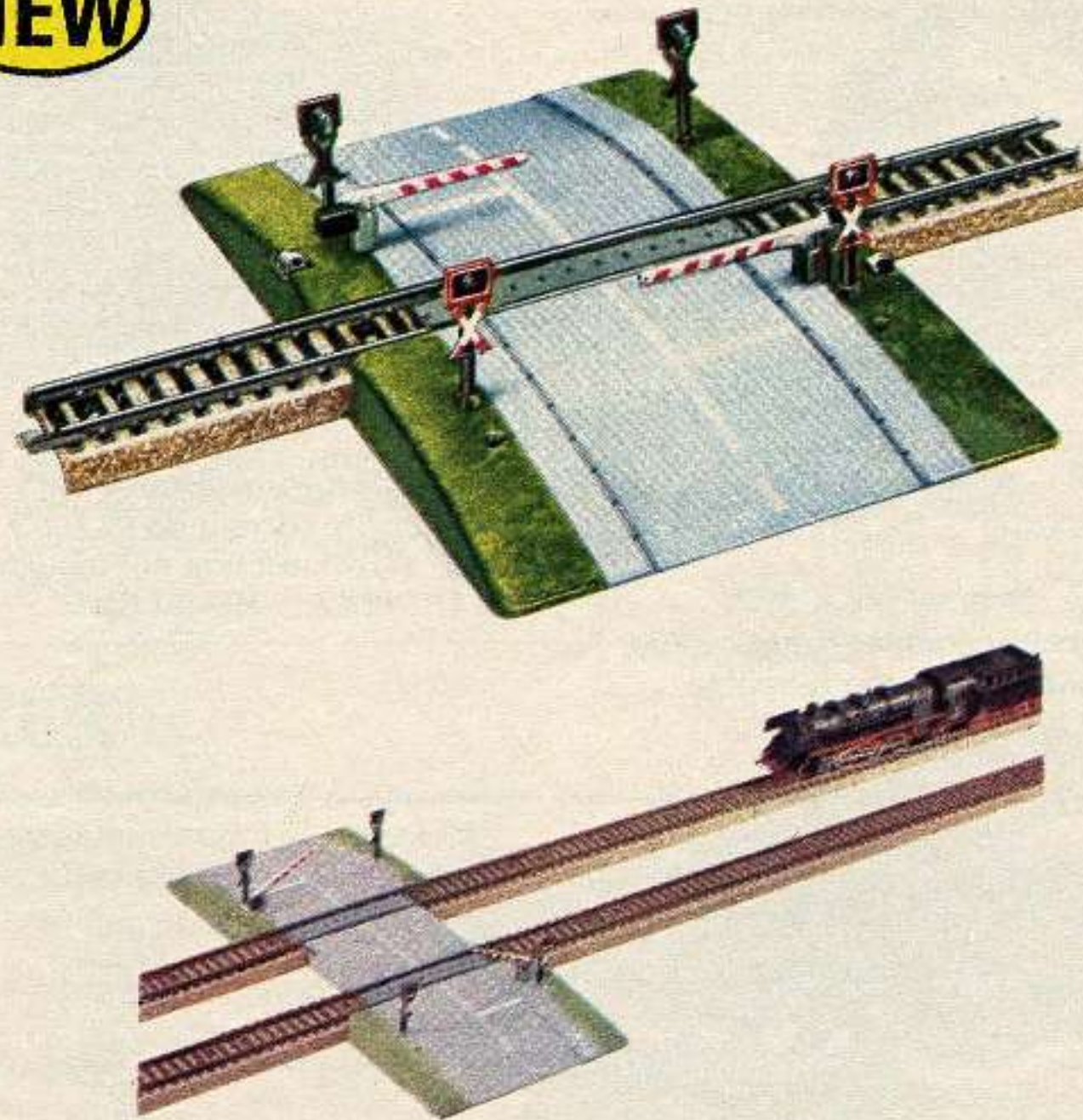
Grade crossings for M tracks

Guarded grade crossings with automatic barriers. As soon as the train approaches the crossing and runs on to the contact track sections, the barriers close. They open again only after the last car has left the contact track section beyond the crossing.

NEW

7293 **NEW**

Extension set for grade crossing 7292. One is required for each additional parallel track. Consisting of one set of contact track sections (1½ straight track sections long) and an adapter adjustable in length between 1½" and 3", which is fitted between the two tracks.



M 7292

Grade crossing with half-barriers, for metal tracks. The set consists of 2 solenoid-operated barriers, each with 2 red warning lights, which come on when the barriers are closed, and a set of contact track sections (1½ straight track sections long). Size of each base 5½" x 3¾".

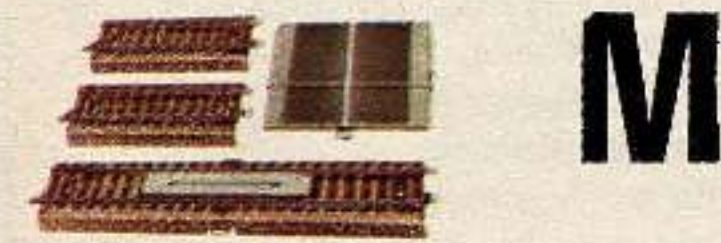
⚡ = 60201

Grade crossing 7292 supplemented by the extension set 7293

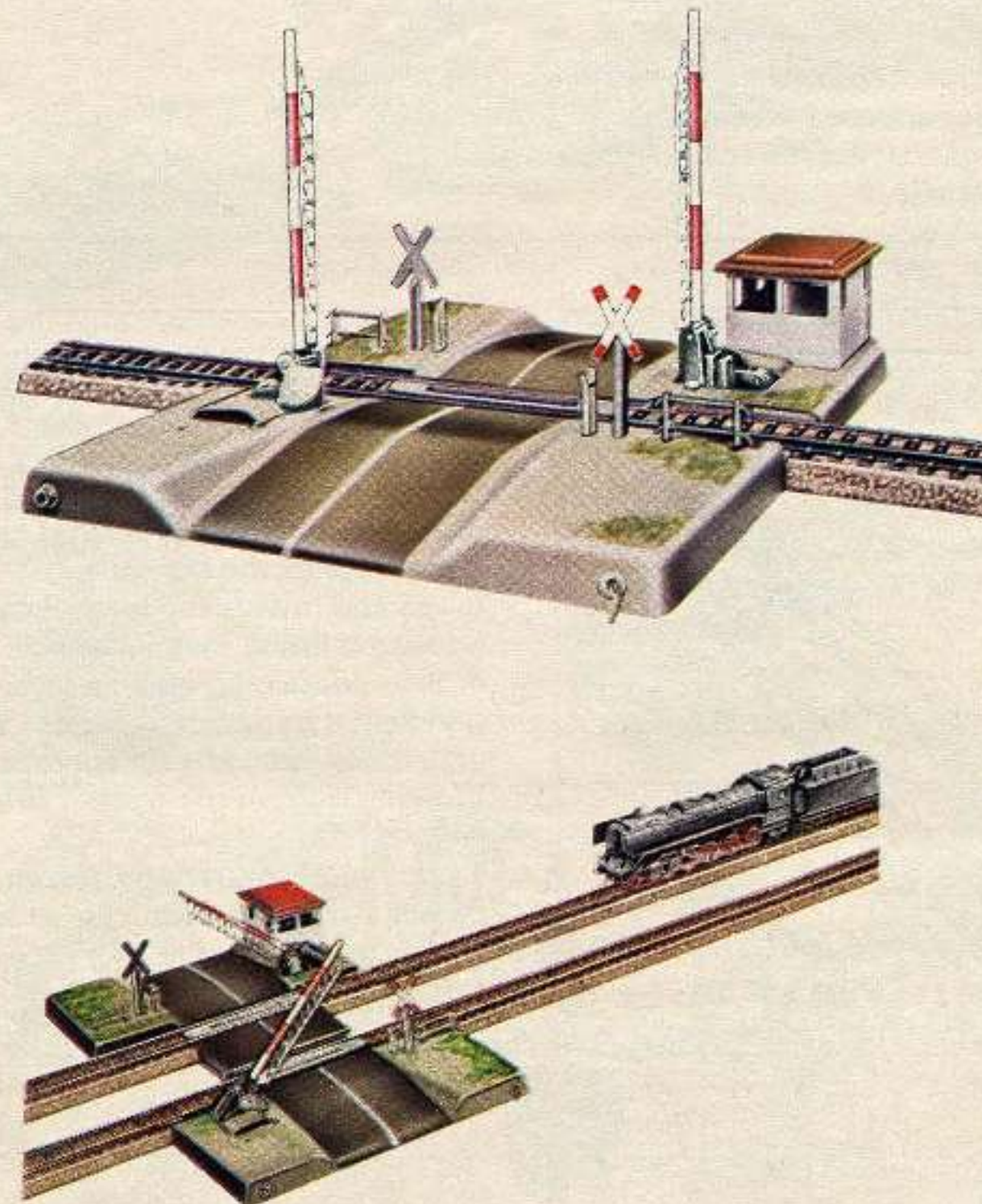
The grade crossing 7192 in conjunction with the extension set 7193 can also be arranged for use with more than one track. In this case, it still operates automatically.

7193

Extension set for the fully automatic grade crossing 7192, one required for each extra parallel track. Consisting of a set of contact track sections and adapter which can be fitted between the two tracks.



Grade crossing 7192 supplemented by extension set 7193



M 7192

Fully automatic grade crossing with M track sections. The set consists of 2 solenoid-operated barriers with an attendant's box (designed to take interior lighting), warning crosses and a set of contact track sections (2 straight track sections long).

Contact track sections

5115

5115, straight · Length 7"

5116

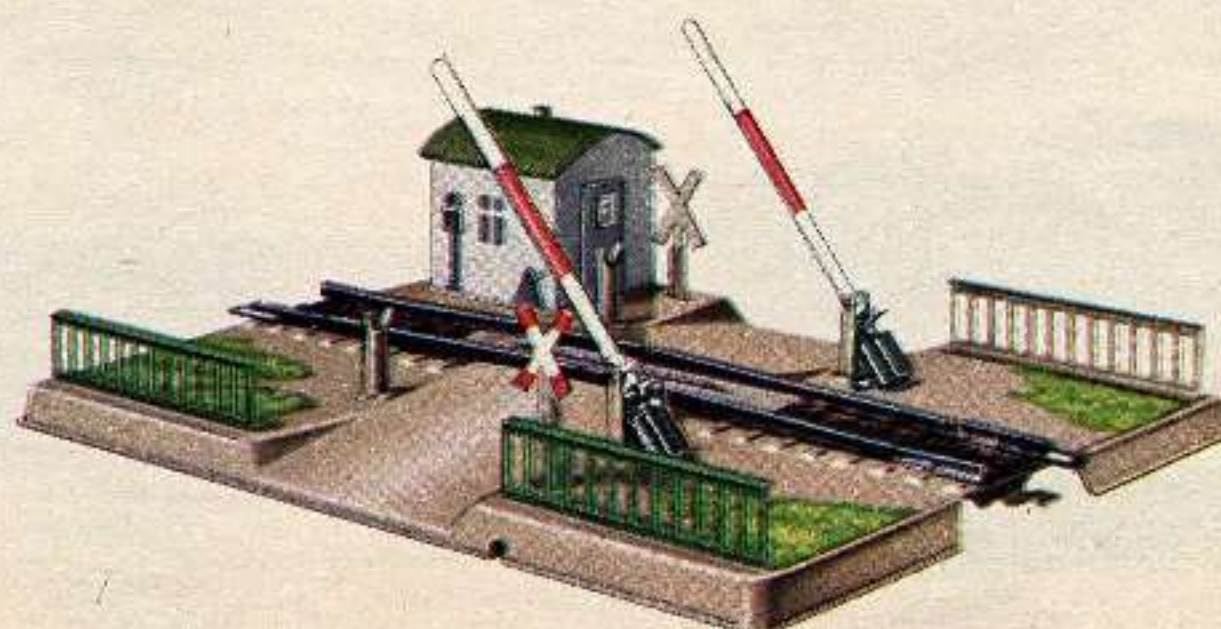
5116, curved · Radius 14"

These M tracks sections 5115 and 5116 are for extending the contact section of grade crossing 7192 and 7292.

Adapter track section 2191 (see page 55) enables series 2100 K tracks to be connected to grade crossings 7192 and 7390.

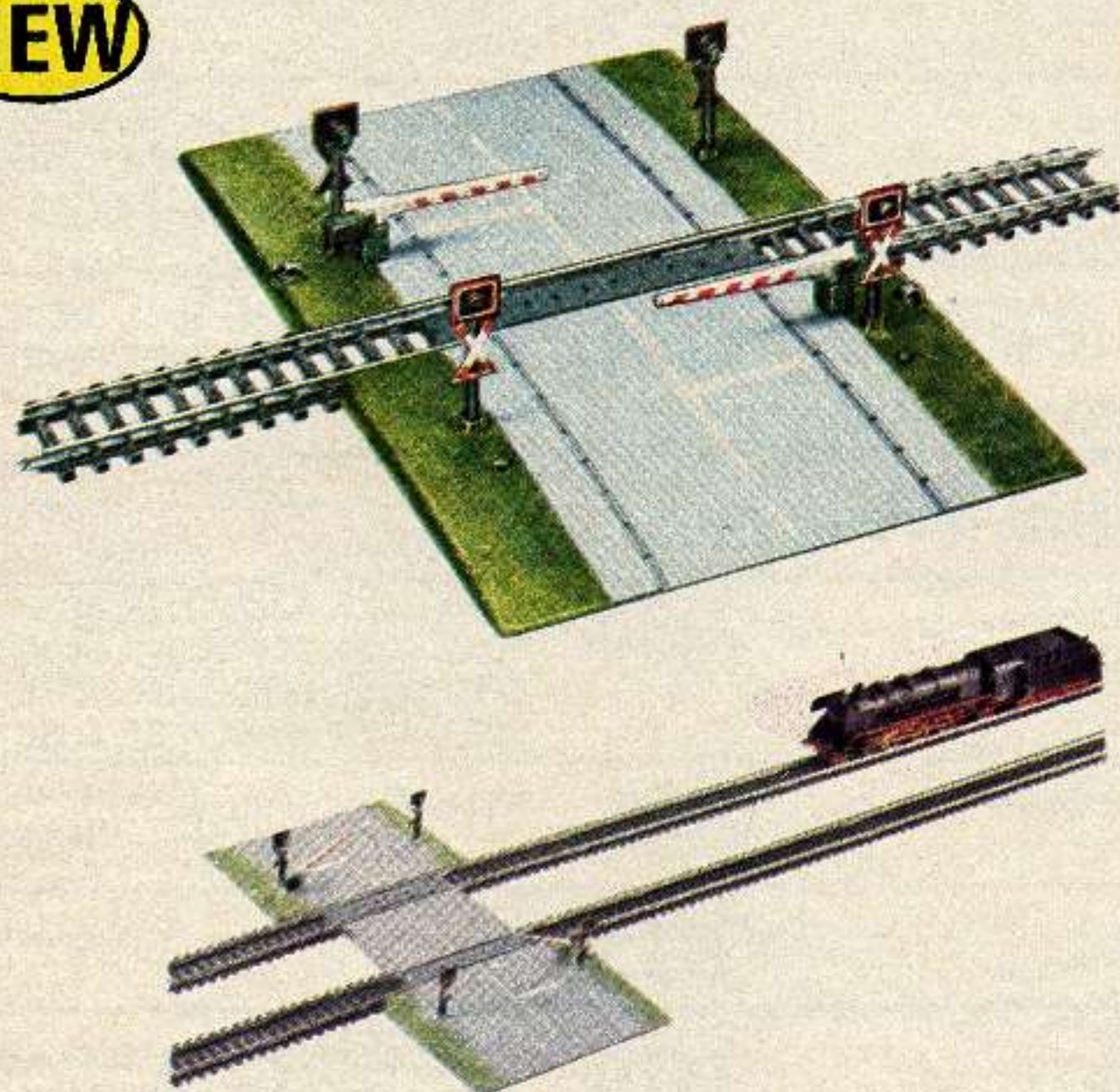
M 7390

Mechanically operated grade crossing for a single-track line using M track sections. The barriers are closed by floating bars pressed down by the wheels of the passing train. The length of the track section in the grade crossing is the same as that of track section 5106. Base 4¾" x 7".



Grade crossing for K track

NEW



K 7592

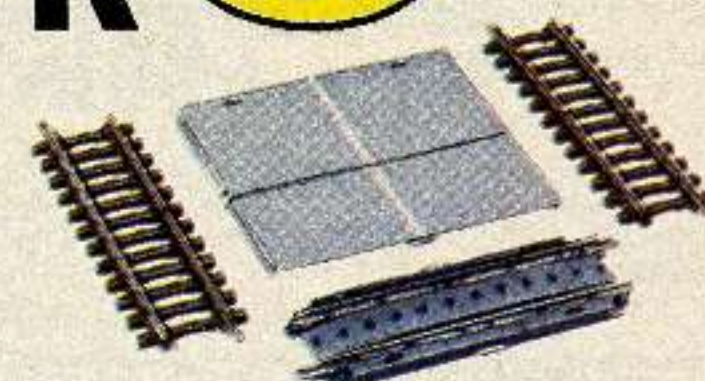
Grade crossing with half-barriers, for K tracks · Set consists of 2 solenoid-operated barriers each with 2 red warning lights which come on when the barriers close, and a set of contact track sections (1½ straight track sections long) · Size of each base 5⅞" × 3¾"

⚡ = 60201

7593

Extension set for grade crossing 7592 · Is required for each extra parallel track · Consisting of a set of contact track sections (1½ straight track sections long) and an adapter adjustable in length between 1⅞" and 3" for fitting between the two tracks

K NEW



Grade crossing 7592 supplemented by extension set 7593

Accessories for remote operation

7072

Control panel with 8 sockets for connecting 4 items operated magnetically by double solenoids · The position of the push-buttons indicate the settings of signals, turnouts, etc. · Length 3¼" · Width 1¾"



7210

Control panel for distributing current to 4 different traction or lighting circuits by indicator push-buttons · Length 3¼" · Width 1¾"



Circuit diagram for 7210 (Switch 3 closed)



7211

Control panel for switching 4 different traction or lighting circuits on and off by indicator push-buttons · Length 3¼" · Width 1¾"



Circuit diagram for 7211 (Switch 3 closed)



7209

Distributor panel · With 11 single-pole sockets · Size 2" × ¾"



7228

Connecting panel with 5 lead terminals insulated from one another · Length 1½" · Width ¾"



7229

Distributor panel with 5 lead terminals connected in series · Length 1½" · Width ¾"



Warning bells for tracks of all gauges



7222











Warning bell with two-tone ring · Operated by hand crank · Height 4" · Base diameter 1½"



7221

Warning bell with two-tone ring · Solenoid operated · Operating voltage 16 V · Operated from control panel · Height 1⅞" · Diameter 2"

Accessories for Märklin HO gauge locomotives and other items

Light bulbs		for items as follows:	Rubber tires		for the following locomotives:
	60000	2161, 3015, 4044, 4081, 5117, 5128, 5140, 5202, 7036, 7037, 7038, 7039, 7040, 7041, 7042, 7051, 7077, 7191, 7280, 7281, 7282, 7283, 7284		7152	3085, 3086, 3089, 3092, 3093, 3094, 3098
	60001	3071, 3076, 7079, 7188, 7339, 7539 (red)		7153	3003, 3015, 3016, 3022, 3030, 3034, 3035, 3037, 3038, 3039, 3040, 3041, 3043, 3050, 3054, 3064, 3065, 3084, 3095, 3096
	60002	7188, 7339, 7539 (green)		7154	3000, 3021, 3031, 3044, 3055, 3060, 3066, 3067, 3068, 3071, 3072, 3075, 3076, 3078, 3080, 3087, 3090
	60010	3000, 3003, 3016, 3021, 3031, 3064, 3065, 3072, 3095, 4018, 4506, 5113, 7046, 7047, 7048, 7323	Current pick-up shoe for the following locomotives, cars, lighting sets:		
	60015	3022, 3030, 3034, 3035, 3037, 3038, 3039, 3040, 3041, 3043, 3044, 3050, 3054, 3055, 3060, 3066, 3067, 3068, 3071, 3075, 3076, 3078, 3084, 3085, 3086, 3089, 3092, 3093, 3094, 3096, 3098, 4053, 4060, 4089, 6631, 7197, 7320, 7322, 7324, 7325		7164	3016, 3022, 3034, 3035, 3037, 3038, 3039, 3040, 3041, 3043, 3050, 3054, 3055, 3066, 3067, 3068, 3071 front, 3072, 3075, 3076, 3084, 3085, 3096
	60020	7073, 7074		7166	3044, 3078, 3080, 4060
	60200	7242		7173	3030
	60201	7239, 7240, 7241, 7292, 7592 (red)		7175	3015, 3071 rear, 4018, 4044, 4053, 4081, 4089, 7197, 7198, 7320, 7322, 7323, 7324
	60202	7187, 7236, 7237, 7238, 7239, 7240, 7241 (green)		7183	3021
	60204	7187, 7236, 7237, 7238, 7240, 7241 (orange)		7185	3000, 3003, 3031, 3060, 3064, 3065, 3086, 3087, 3089, 3090, 3092, 3093, 3094, 3095, 3098

Reverser unit spring

7194

Pack with 5 springs for reversing switch

Instructions for fitting rubber tires, current pick-up shoes, light bulbs and reverser unit springs are given in the "Instructions for Use".

Whistle attachment
for Märklin locomotives,
see page 65

7218

Pantograph, double arm · 1 cheese-head screw



7219

Pantograph, single arm · 1 cheese-head screw · The catenary system must be very carefully set up when 7219 is used



60030

Pair of carbon brushes for most HO gauge locomotives



60035

Pair of carbon brushes for locomotive 3015

60146

Pair of carbon brushes for locomotive 3084 and 3085

7226

Smoke set · Consisting of smoke unit (to fit locomotive 3084 and 3085), replacement steam pipe, cleaning wire, pair of tweezers and capsule of smoke fluid



7227

Smoke set · Consisting of smoke unit (to fit locomotives 3092 and 3093) with a capsule of smoke fluid



NEW

0241

Smoke fluid in plastic capsule, as refill for smoke sets 7226 and 7227



7199

Bottle of oil · Contains about 1 fluid ounce of lubricating oil for locomotives and cars



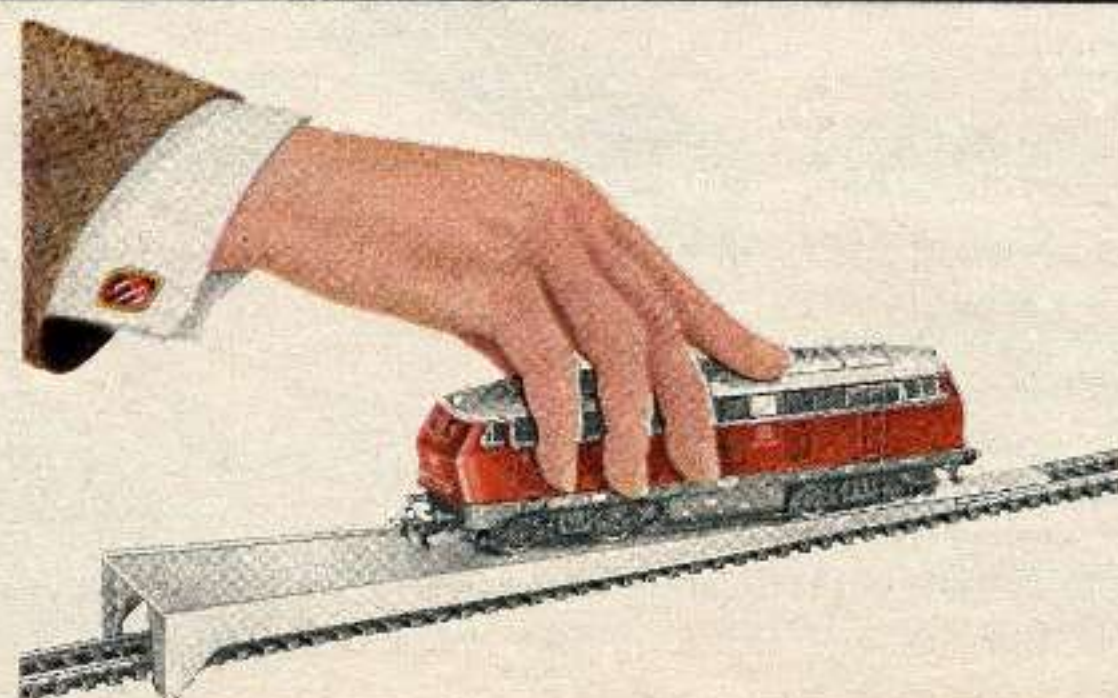
7001

Coupling gauge made of nickel-plated steel sheet, for checking locomotive and car couplings



7195

Number plate set · For identifying turnouts and signals in the track layout · Contents: 12 boxes with slots to hold the number 1-24 which are provided



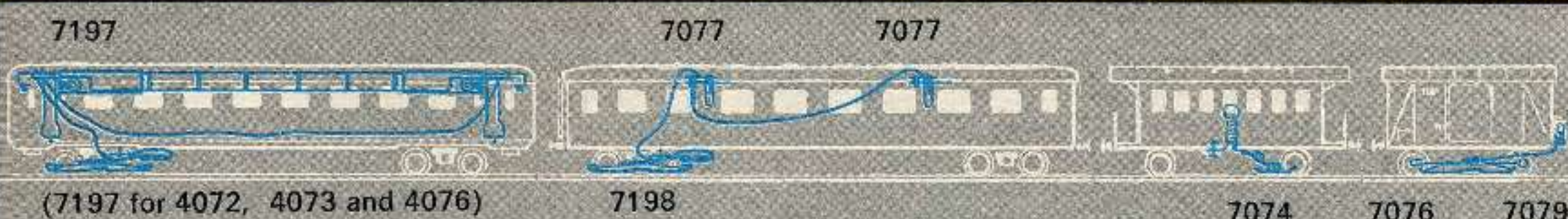
7224

Locomotive positioning ramp · Made of plastic · Facilitates placing multi-axle rolling stock on the track · Length 12" · Height 1"

Train lighting

Whistle attachment

Electric lighting on train



7076

Pick-up shoe for taillight 7079 when used on passenger coaches 4000 and 4040 and on two-axle freight cars



7077

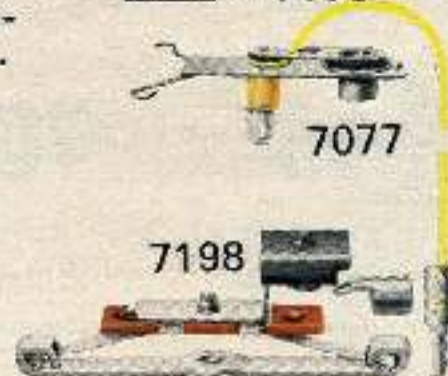
Interior lighting set for most long-distance coaches. With socket for connecting additional lights. Light bulb

Light bulb = 60000

7198

Pick-up shoe for interior lighting set 7077

Light bulb = 7175



7079

Taillight with bulb. Clips on to buffer. For use on cars with metal buffers only. For connecting up, it requires 7074, 7076, 7077 or 7198

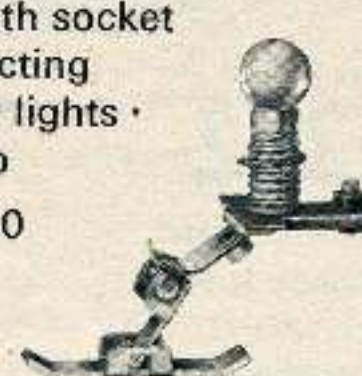
Light bulb = 60001 (red)



7074

Interior lighting set for passenger coaches 4004, 4005, 4079 and 4080. With socket for connecting additional lights. Light bulb

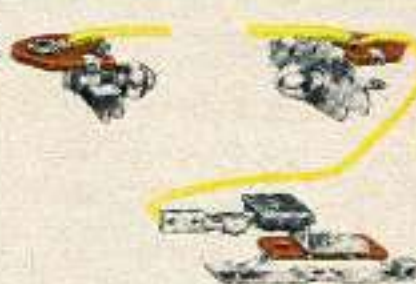
Light bulb = 60020



7322

Interior lighting set for TEE coach 4090. Consisting of pick-up shoe 7198, 2 lamp sockets and 2 bulbs. Instructions for installation are included

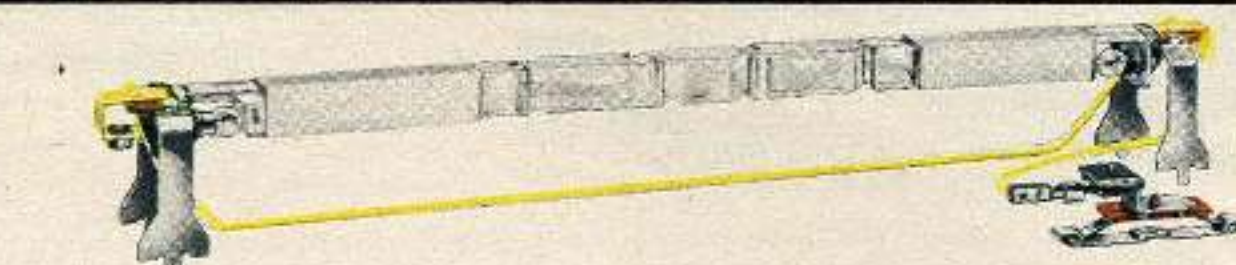
Light bulb = 7175
Light bulb = 60015



7323

Interior lighting set for coaches 4007 and 4008. Light bulb

Light bulb = 7175
Light bulb = 60015

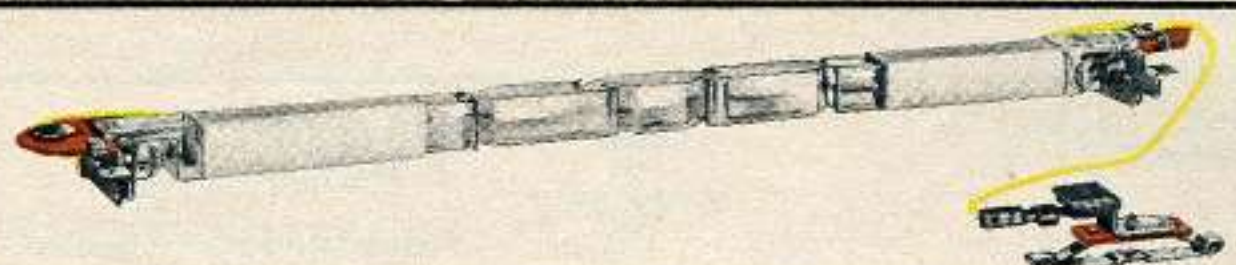


7197

Interior lighting set for long-distance coaches 4072, 4073 and 4076. Consisting of pick-up shoe

7198, light diffuser, 2 lamp sockets and 2 bulbs. Instructions for installation are included

Light bulb = 7175
Light bulb = 60015

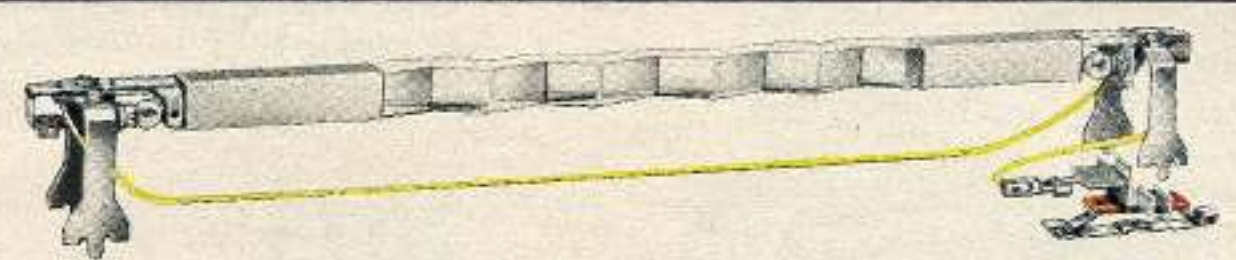


7320

Interior lighting set for TEE coaches 4085, 4087 and long-distance coaches 4049, 4054, 4064,

4066, 4069 and 4078. Consisting of pick-up shoe 7198, light diffuser, 2 lamp sockets and 2 bulbs. Instructions for installation are included

Light bulb = 7175
Light bulb = 60015



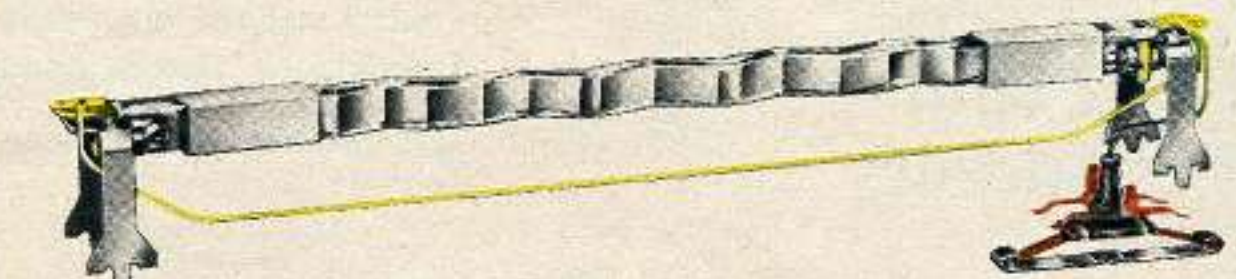
7324

Interior lighting set for long-distance coaches 4091, 4092, 4093 and 4094 made not later than

1973. Consisting of pick-up shoe, light diffuser, 2 lamp sockets and 2 bulbs. Instructions for installation are included

Light bulb = 7175
Light bulb = 60015

NEW



7325

Interior lighting set for long-distance coaches 4091, 4092, 4093 and 4094 made in 1974 or later (marked with an "A" on the bottom

of the coach) and TEE coaches 4095, 4096 and 4097. Consisting of pick-up shoe, light diffuser, 2 lamp sockets and 2 bulbs. Instructions for installation are included

Light bulb = 60015

Whistle attachment for Märklin locomotives

A number of Märklin locomotives (see text under 7213) have provision for mounting the whistle 7213. By incorporating the whistle switch 7215 between the transformer and the track, the whistle can be sounded on the locomotive with the traction current switched off. For sounding the whistle while the train is running, the whistle actuator 7216 is required. It should be connected between the transformer and the whistle switch.

The whistle can also be sounded while the locomotive is halted by a signal with automatic train control. For this the halt control 7217 is required. Its two leads connect the controlled track section in front of the signal, which is without current,

to the remainder of the track system. It is also possible for the locomotive to sound its whistle automatically by using a universal remote control switch 7045 or 7245 (see pages 54 and 57) and switching track sections (see pages 48 and 55).



7215

Whistle switch for sounding the whistle while the train is stopped. Three leads, yellow, brown and red, each with plug. Dimensions 3" x 2 1/4" x 1". Detailed operating instructions are included with the whistle switch.



7213

Whistle complete. Suitable for fitting, without any soldering, on Märklin locomotives 3022, 3034, 3035, 3037, 3038, 3039, 3040, 3043, 3050, 3054, 3055, 3060, 3066, 3067, 3068, 3071 and 3075 and on some models of locomotive 3021. On the other locomotives 3021, a single soldered joint is required. Instructions for installation are included. The loudness of the whistle is reduced if light bulbs, e.g., coach interior lighting, are connected in the same circuit.



7216

Whistle actuator. In conjunction with whistle switch 7215, it enables the whistle to be sounded when the locomotive is stopped or running. One red lead with plug. Dimensions 2" x 1 1/4" x 1"



7217

Halt control, is required in addition to the whistle actuator 7216 if the whistle is to be sounded in a section of track from which the current has been switched off, e.g., in front of a signal. 2 red leads with plugs. Dimensions 2" x 1 1/4" x 3/8"

Station and street lighting



7280

Street lamp standard, modern style · Height 4 5/8" · Base diameter 1" · = 60000



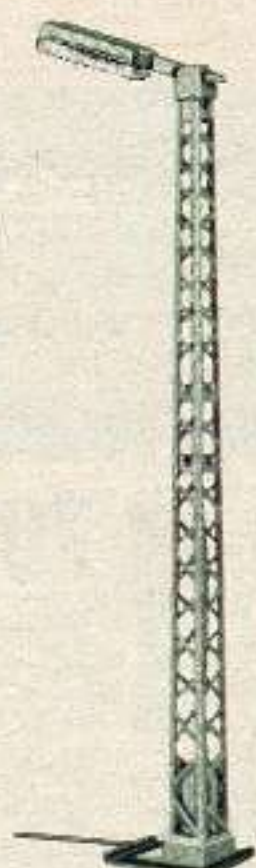
7281

Station platform lamp standard, with two branches · Height 3 7/8" · Base diameter 1" · = 60000



7282

Square and street lamp standard, with two branches · Height 4 3/4" · Base diameter 1" · = 60000



7283

Lattice mast light · Mounted on a lattice mast · With base plate for mounting on to K tracks · Can be used with a catenary system · Height 6 3/4" · = 60000



7284

Sidewalk lamp standard · Height 2 1/2" · Base diameter 3/5" · = 60000



7046

Arc light with lattice mast · Can be used with catenary system for M tracks · Height 8 1/4" · Base 1" x 1 1/4" · = 60010



7047

Lamp standard · Height 5" · Base diameter 1 1/2" · = 60010



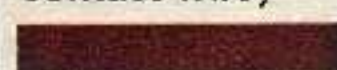
7048

Arc light · Height 6 1/4" · Base diameter 1 1/4" · = 60010

Commonly used electrical lead colors for Märklin circuits



Red = For running trains (from transformer to center rail conductor or catenary contact wire)



Brown = Ground lead from tracks, lighting sockets or control panel to transformer



Yellow = Lighting and solenoid-operated items



Blue = Earth return lead from solenoid-operated items to control panel or switching track (with green, red and orange plugs)

Electrical leads

The copper conductor in these stranded leads consists of 24 separate strands each of diameter 0.004", giving a total cross-section adequate for all loads, even for a short-circuit with a 40 VA transformer.

7101 Lead · Single core · Blue · 33 ft. long

7102 Lead · Single core · Brown · 33 ft. long

7103 Lead · Single core · Yellow · 33 ft. long

7105 Lead · Single core · Red · 33 ft. long

Sleeves

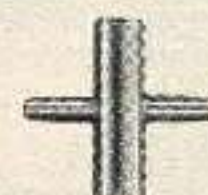


7111 = brown
7112 = yellow
7113 = green
7114 = orange
7115 = red
7117 = grey

Plugs with side sockets



7131 = brown
7132 = yellow
7133 = green
7134 = orange
7135 = red
7137 = grey



7140

Adapter for connecting two sockets or sleeves and as an additional means of connecting two plugs



7073

Lamp socket with bulb and lead, for stations, freight sheds, etc. · = 60020



7000

Staples · Bag of 50 · For fastening leads to a wooden base



Proof against short-circuiting and absolutely reliably insulated

Märklin HO

Transformers HO/I

The heavy-duty Märklin transformers

The reliable insulation, tested at several thousand volts, makes every Märklin transformer absolutely safe. Furthermore, a built-in circuit breaker switches off the current if there is a short-circuit anywhere in the layout, or if the transformer is overloaded. The transformer can be plugged into the mains supply by means of the fitted cable and plug just as easily as any standard lamp.

The speed of the locomotives increases with the traction voltage, i.e., they go faster as the red control knob is turned to the right and slower as it is turned to the left. If the control knob is turned momentarily past the zero position on the left, the 24 V reversing circuit is activated and the locomotive reverses direction (The "engineer" is built-in). With the 30 VA

transformer trains can be run at a still lower speed than with the 16 VA transformers.

We guarantee trouble-free operation of our railroads only when genuine Märklin transformers are used.

16 VA

Transformer · Output 16 VA · Plastic casing · Weight 3 lbs. · Dimensions 5"×5½"×3"

When ordering please quote the number corresponding to the required mains voltage.

16 VA



6660 for 100 volts Japan

6666 for 110 volts

6667 for 110 volts USA

6669 for 240 volts England

6671 for 220 volts

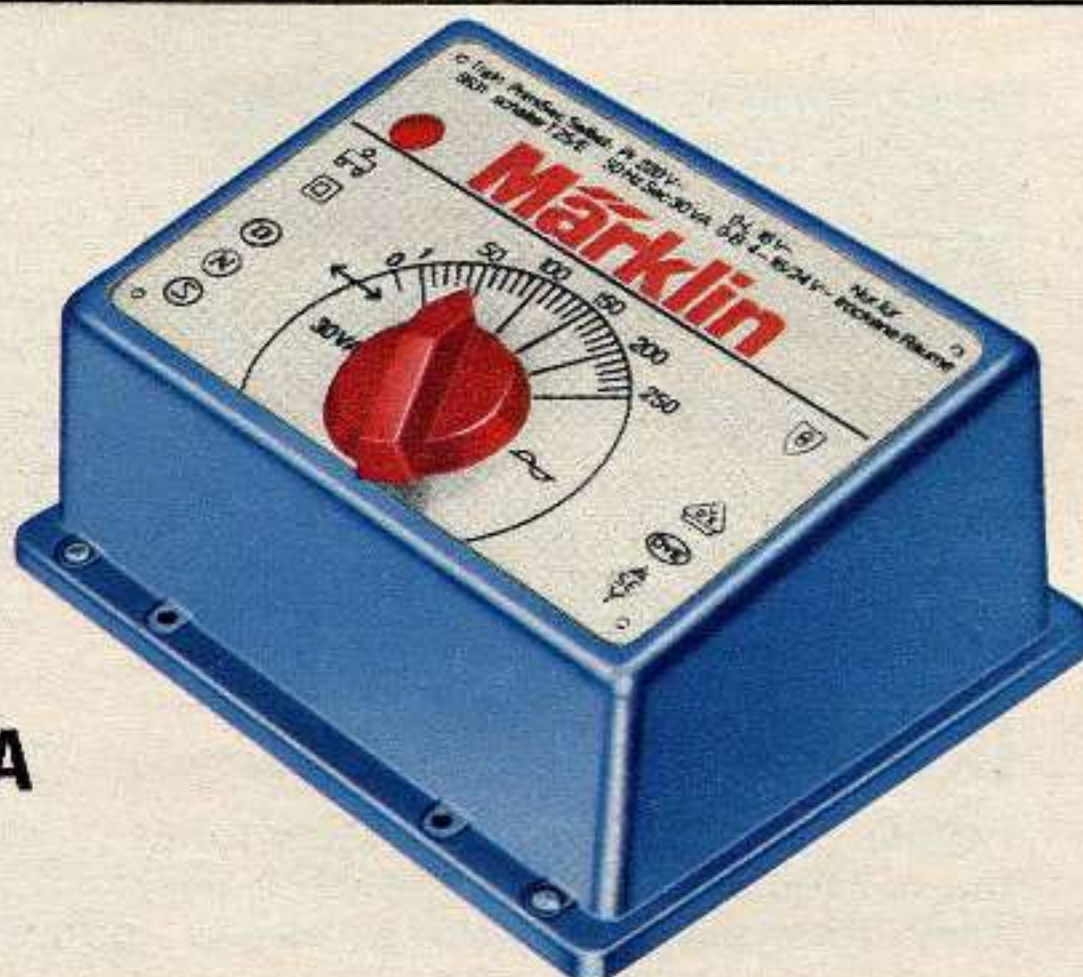
30 VA

Transformer · Output 30 VA · Traction voltage adjustable between 4 V and 16 V · Lighting voltage 16 V · Plastic casing · Red pilot light · Weight 4½ lbs. · Dimensions 6¾"×5¼"×3"

Q = 60015

When ordering please quote the number corresponding to the voltage required.

30 VA



6620 for 100 volts Japan

6625 for 125 volts

6629 for 240 volts England

6631 for 220 volts

6152 for 110 volts

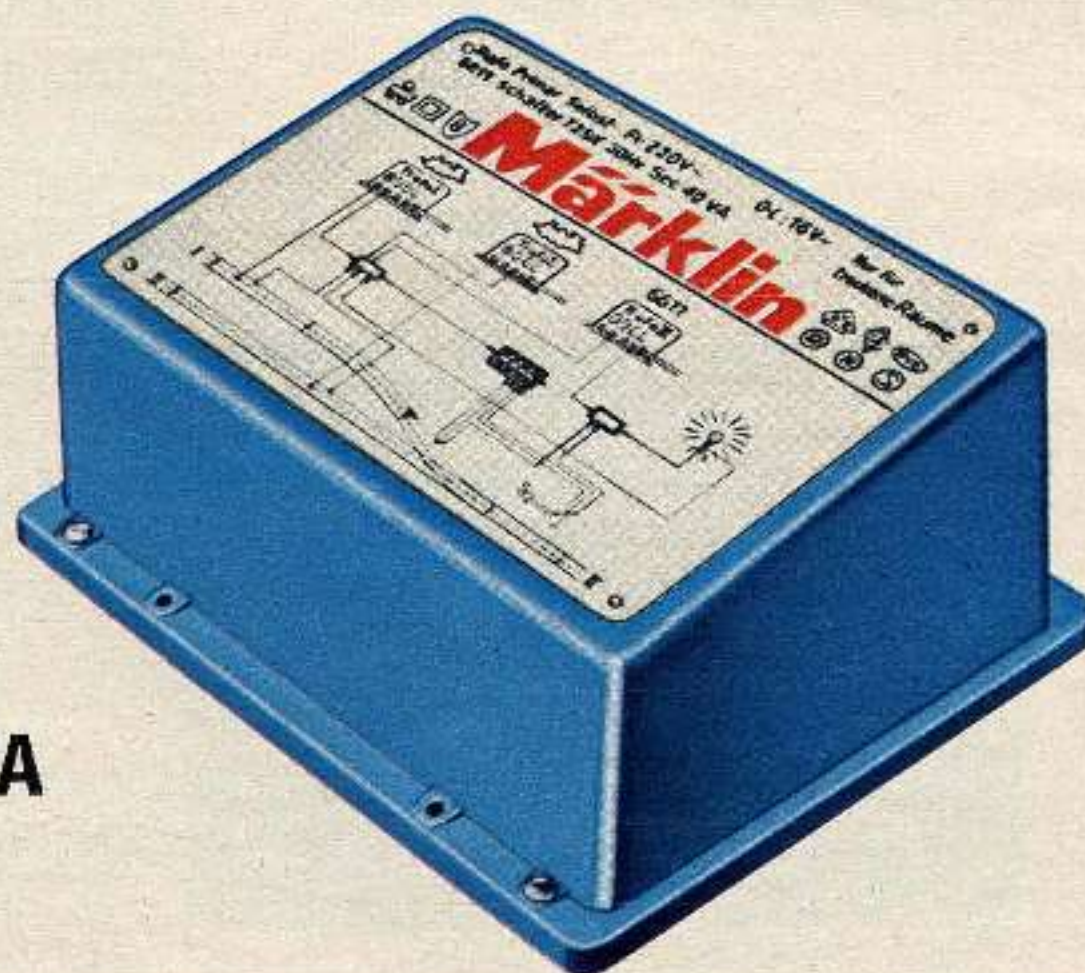
6153 for 110 volts USA

Transformer for lighting 40 VA

Transformer for lighting and for solenoid operated items · Output 40 VA · Output voltage 16 V A.C. approx. · Plastic casing · Weight 4 lbs. 6 oz. · Dimensions 6¾"×5¼"×3"

6611 for 220 volts

40 VA



Märklin 16 VA and 30 VA transformers have connections for trains and lighting/solenoid-operated items.

To be connected to AC mains supply only

Power requirements for locomotives and lights

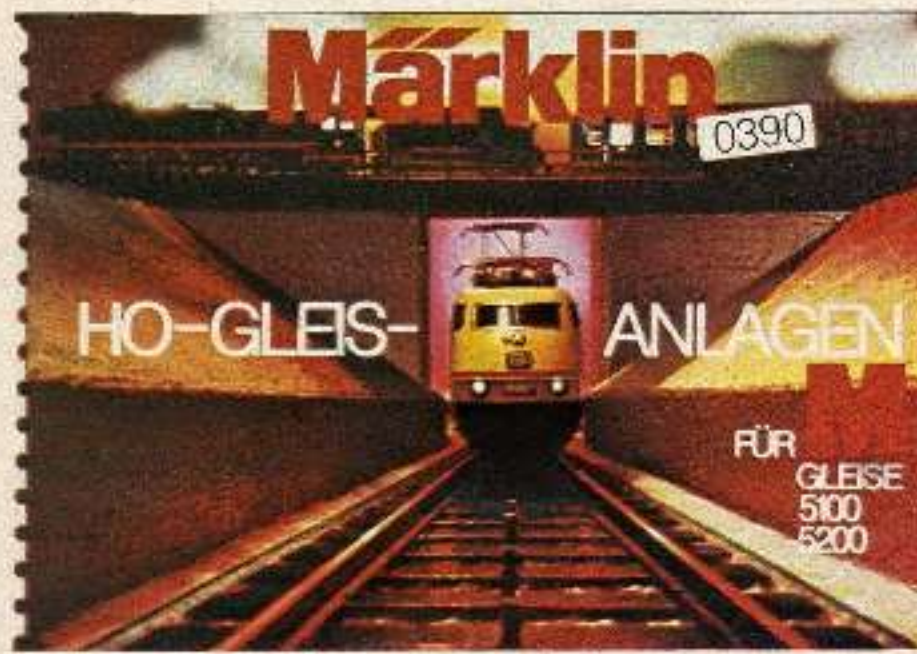
Examples:

This is how you can work out how many items can be connected to the transformers: the 3-axle tank locomotive 3000 takes about 9 VA, the express diesel locomotive 3021 about 12 VA and the heavy express steam locomotive 3085 about 15 VA.

Any transformer capacity left after supplying the locomotive can be used for lighting the trains or layout, with 1 VA counted as the power required for each bulb.

The transformer in the gift sets on page 15 has the same advantages as the transformer described here. The only difference is its lower output.

Publications



0391 M **NEW**

"Märklin HO Gauge Track Layouts for M-tracks 5100 and 5200" · With full-color pictures and detailed description of 16 fully developed track plans, fitted with catenary systems · The separate electrical circuits are shown in different colors · In addition, this publication contains plans of many combinations of tracks and turnouts · An outstanding instruction book for building even the largest layouts · 56 pages · Format 8¼"×11¼"



0380

"Märklin HO Railroads and their Originals" a handbook for the Märklin Model railroad fan · Among the contents: suggestions for designing landscaped model railroad layouts, the Märklin locomotives and cars and the originals on which they are modelled, signals, railroad regulations and procedures, examples of circuits, e.g., for simultaneous operation of several trains, and much more besides · 228 pages · Format 6"×9½" · German text



0327

"Märklin Railroad + Landscape" by Bernd Schmid · An outstanding aid in designing your own model railroad system · The construction of an HO gauge system is described down to the last detail · The book is copiously illustrated with some of the pictures in color · Technical details, track layout, landscape planning and the finishing touches to the system are dealt with thoroughly by an acknowledged expert on model railroads · It is a real mine of information for any model railroad enthusiast · 192 pages · Format 6½"×8" · German text



0321 M

"Märklin HO Gauge Track Layouts for M-tracks 5100 and 5200" with 11 simple track plans · These suggested layouts are easy to build and allow you to operate your system in a variety of ways · 24 pages · Format 6"×8¼"



0341 M

Märklin Signal Manual · This explains in detail, with the aid of 6-color illustrations, how signals and universal remote control switches of the 7000 series are incorporated into an M-track system and used · 44 pages · Format 6"×8¼"



0371 K

"Märklin HO Gauge Track Layouts for K-tracks 2100" · With full-color illustrations and detailed track plans for 16 comprehensive layouts, including catenary systems · The various circuits are shown in different colors · This publication also contains many plans of track and turnout combinations · An outstanding guide to the building of layouts, even large ones · 52 pages · Format 8¼"×11¼"



0379 K

"Märklin HO Gauge Track Layouts for K-tracks 2100" contains 7 simple track plans · 20 pages · Format 6"×8¼"



0361 K

Märklin Signal Manual · This explains in detail, with the aid of 6-color illustrations, how signals and universal remote control switches of the 7200 series are incorporated into a system and used · 48 pages · Format 7"×9½"

...and regular topical items for all
model railroaders

Märklin HO

The Märklin Magazine

Märklin magazin

2/74

für große und kleine Modell-Eisenbahner DM 2,50



**The magazine for all
model railroaders,
young and old, reports
on interesting topics
connected with model
railroads.**

The Märklin Magazine contains reports on real railroad practice and model railroad operation in interesting and stimulating articles. A lively, well-illustrated magazine, it provides much worthwhile information for all model railroad enthusiasts, it gives useful hints and tips, it makes what seems complicated understandable, in short, with it, every model railroader can become a perfect model railroader. The Märklin Magazine is published quarterly in German. An annual subscription makes a welcome present.

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Postfach 940, West Germany
or from your Märklin dealer,
or through bookshops.



Märklin I *The biggest Märklin model railroad...*

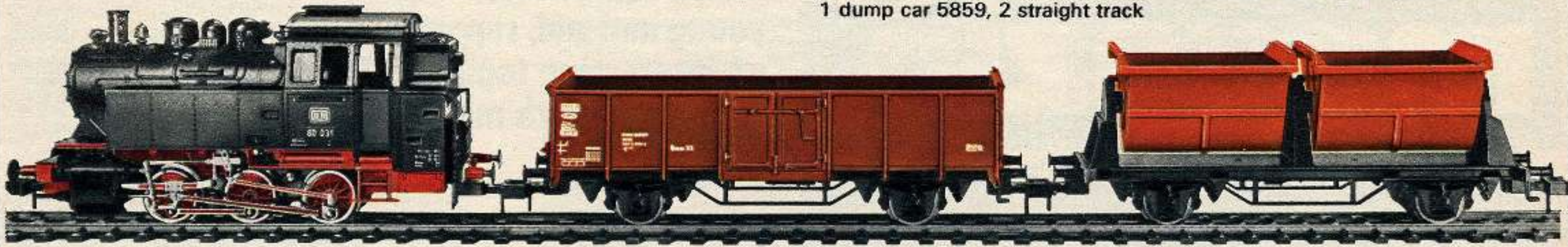
I-Gauge Scale 1:32 Two-rail A. C. operation

Train sets

5500

Freight train (without transformer) · With tank locomotive 5700, 1 open freight car 5850, 1 dump car 5859, 2 straight track

sections 5900, 12 curved track sections 5921 and 1 feeder connector 5604 · Length of train 40"



5520

Freight train (without transformer) · With diesel locomotive 5720, 1 open freight car 5850, 1 dump car 5859, 2 straight track sections 5900, 12 curved track sections 5921 and 1 feeder connector 5604 · Length of train 40"

5521

Freight train (without transformer) · With simplified diesel locomotive, 1 dump car 5859, 12 curved track sections and 1 feeder connector 5604 · Length of train 25"



Tank locomotive

5702

Tank locomotive · 0-6-0 type · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Elastic body, black boiler, dark green water tank and cab, brass-colored window frames and hand rails · Cab doors which open · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffers 12"

Q = 60015



The Märklin transformer 6631 is suitable for operating I-gauge locomotives.



Tank locomotive

5700

Tank locomotive · A model of the 0-6-0 type German Federal Railways' Class 80 locomotive · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control ·

Three working headlights at each end · Mat black plastic body · Cab doors which open · Windows of plastic sheet · Die cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffers 12"

Q = 60015



Diesel locomotive

5720

Diesel locomotive · A model of an 0-6-0 industrial locomotive · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red plastic body with two yellow horizontal stripes · Cab

doors which open · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffer 12"

Q = 60015

60041

Pair of carbon brushes for I-gauge locomotive

...and built just as accurately as the
smallest

Märklin I

I-Gauge

Scale 1:32

Two-rail A.C. operation

5800

Passenger coach · Modelled on a private railroad coach · 2 doors which open · Simulated roof ventilators · Windows inset in plastic frames · Interior fittings simulating wooden seats · 12½" long

5801

Passenger coach · Modelled on an original of the former Royal Württemberg Railway · Otherwise similar to 5800

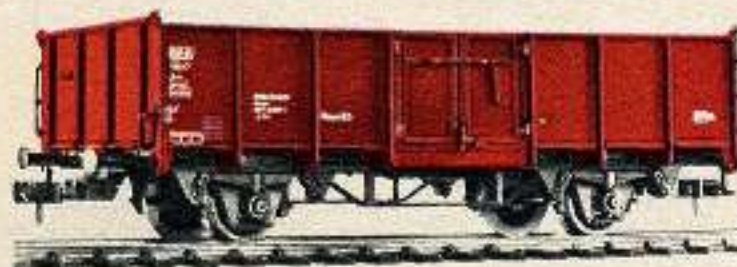
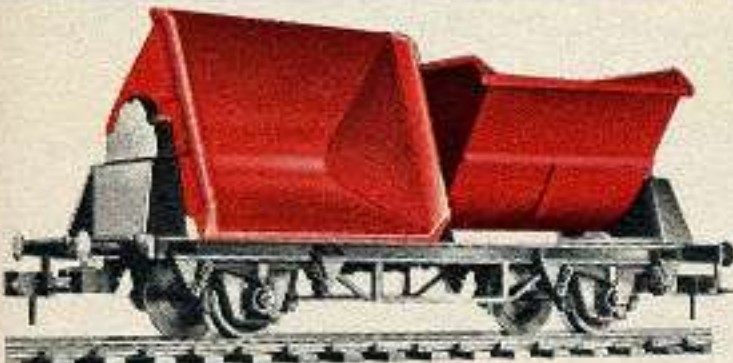


Passenger coaches with interior fittings

Freight cars

5851

Open freight car · A model of a Belgian State Railways (SNCB) freight car · 12½" long



5855

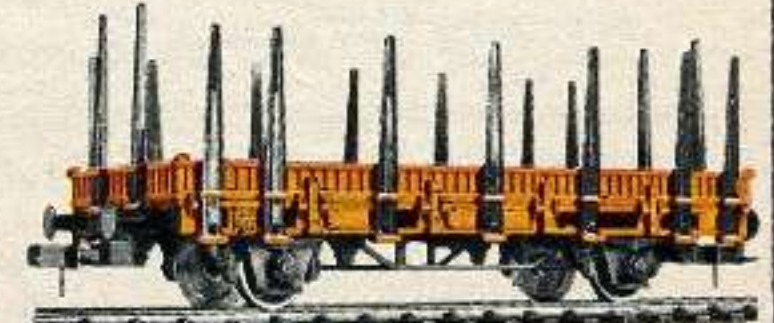
Open freight car · Car body orange · Frame black · 12½" long

5850

Open freight car · A model of the German Federal Railways' type Omm 55 · 12½" long

5856

Open freight car · Car body light green · Frame black · 12½" long



5853

Flat car · With removable stanchions · 12½" long

5859

Dump car · Two independent hoppers dump to either side · Latch holds hoppers in upright position · 12½" long



5860

Box car · A model of the German Federal Railways' type Gls · Doors which open on each side · 12½" long



5861

Beer car · A model of a private car belonging to the Dortmunder Union Brewery · Doors which open on each side · 12½" long



5862

Beer car „Staufenbräu“ · Doors which open on each side · 12½" long



5863

Beer car · A model of a private car owned by the Haller Löwen Brewery · Doors which open on each side · 12½" long



5602

Stop buffer · Riveted steel construction · Sprung buffer · Clips on to the rails · 3¾" long

Track sections

The rails, mounted on plastic ties and insulated from one another, not only guide the wheels but also serve as current supply and return conductors for the locomotives · The track sections are connected by the rails, plus a clip on the plastic tie strip · The rails are made of solid corrosion resistant sections, so that the track can even be laid in the garden. Outside diameter of the rail circle is 4'2".

5900

Track section, straight · 12" long

5909

Isolating track section, straight · For isolating industrial track sections electrically · 3¾" long

5908

Track section, straight · 3¾" long

5921

Track section, curved · Radius 24" · Curve 30°

5962

Solenoid-operated left-hand turnout · Operated by double solenoid · Sprung switch points · Crossing angle 30° · Radius of curved track 24" · Length of straight track 12"

5963

Solenoid-operated right-hand turnout · Operated by double solenoid · Sprung switch points · Crossing angle 30° · Radius of curved track 24" · Length of straight track 12"

5965

Manual left-hand turnout · Sprung switch points · Crossing angle 30° · Radius of curved track 24" · Length of straight track 12"

5966

Manual right-hand turnout · Sprung switch points · Crossing angle 30° · Radius of curved track 24" · Length of straight track 12"

5600

Uncoupler · To be installed between the two rails of track section 5900 · Releases the couplings in one direction of travel only, thus permitting kicking of the cars · 6½" long

5603

Clips · In packs of 28 · For securing the joints between I-gauge track sections

5604

Power connection fittings · Comprising 2 connecting terminals with red or brown leads · 3'3" long · Incorporating a radio suppressor

In spite of the two-conductor rail system, the introduction of reversing loops, crossings and Y-junction tracks into the layout presents no polarity problem, because we have equipped the large Märklin model railroads too, with A.C. motors, which means that the advantages of Märklin HO gauge railroads are also present here. As with the HO gauge, reversing is effected in the locomotive. On the I-gauge locomotive too, the "engineer" is built-in.



Automobile racing track Scale 1:32

The ideal home automobile racing track

The scale of 1:32 is just right because it means that very little space is needed for the Märklin Sprint racing track. The track is quickly assembled with reliable, rigid mechanical and electrical connections between the track sections, thanks to hinged locking couplings and spring conductor contacts. Although no retaining clips are used, the track will stand up well to extended hard racing. The track can be extended to two, four or six lanes, with long straights or many banked or unbanked curves. Inclines, overpasses, lane crossovers, with or without automatic braking sections,

can be incorporated. Lap counters will indicate the number of laps covered. A comprehensive range of accessories is available to build up the most varied racing circuits, with strong crash barriers for "protection" where necessary. Every Märklin racing car is a miniature masterpiece. The high-speed motor is favorably located at the centre of gravity, providing excellent road holding. Some of the cars have precision stepped gearing attached to the motor which lies lengthwise, giving particularly sensitive response to all voltage variations. It provides short, sharp braking **before** curves and fast acceleration **in** the curves. Other Sprint cars, those with motors lying transversely, reach very high speeds in the

straights, so that they can do very fast lap times, particularly on lengthy layouts with few curves.

Another feature of the superior Märklin quality is the solid, short skid-type pickup with compensating suspension system. This ensures positive contact and reliable and maintained power supply, with the feeder rails and the pickups cleaning themselves at the same time.

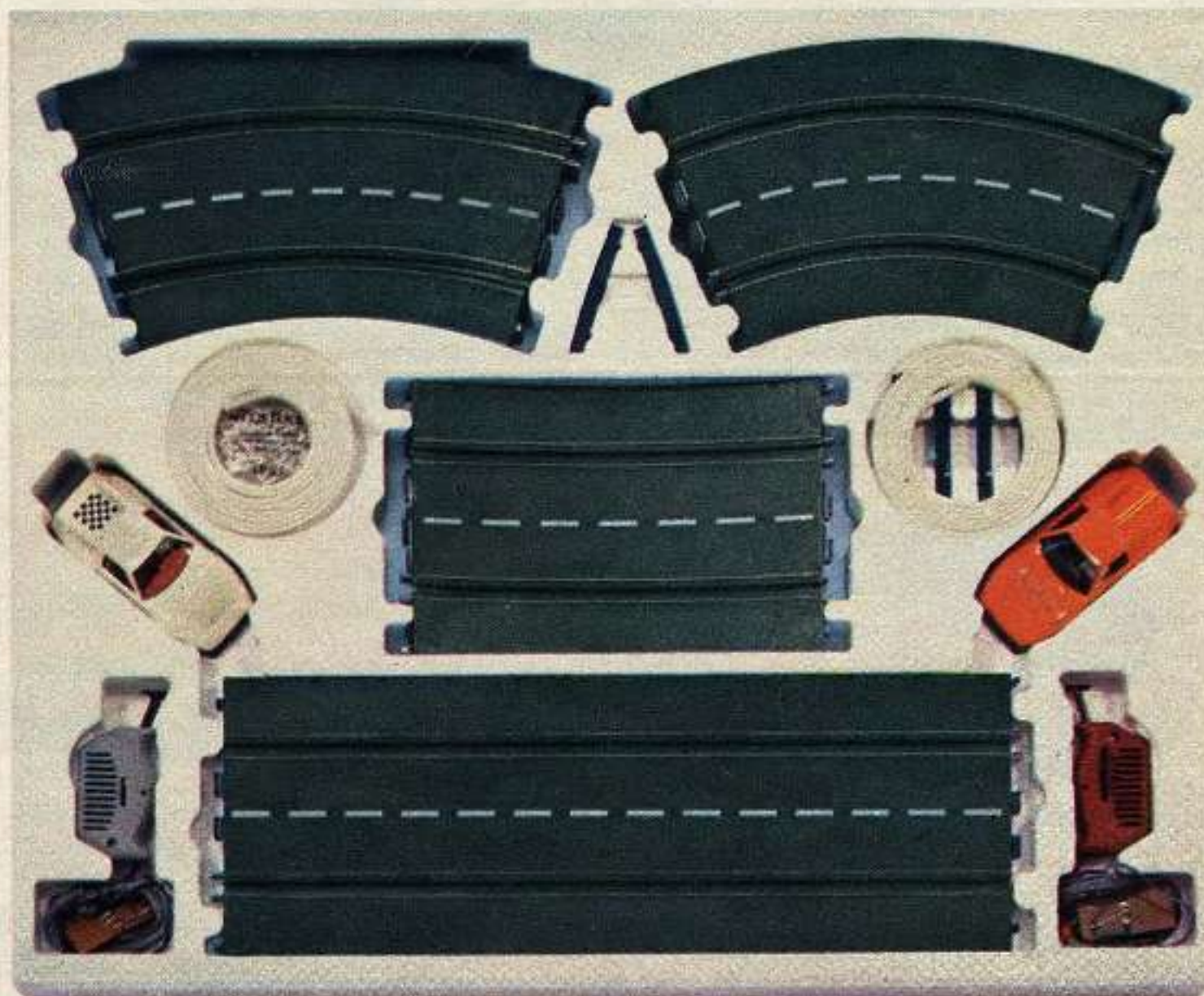
The tires of the cars can be changed and adapted to the surface characteristics of the track. The speed controller is designed to provide infinitely variable speed regulation, or to increase speed by steps. In addition, by using the emergency stop-button incorporated, you can develop your own individual driving technique. The speed con-

troller lead can be connected to the track at the point which seems to the "driver" to be tactically most favorable. A host of valuable hints and tips for designing exciting courses are contained in the interesting Märklin-Sprint Manual. It also covers various "racing rules" for different types of racing on your own track, providing thrilling entertainment for all participants, young and old alike. Running the small fast racing cars with the merry, exciting struggle for victory, is something quite different from the creative planning which characterises model railroads as a hobby. Because these two hobbies are so basically different from one another, they complement one another, for a change.



Gift Sets

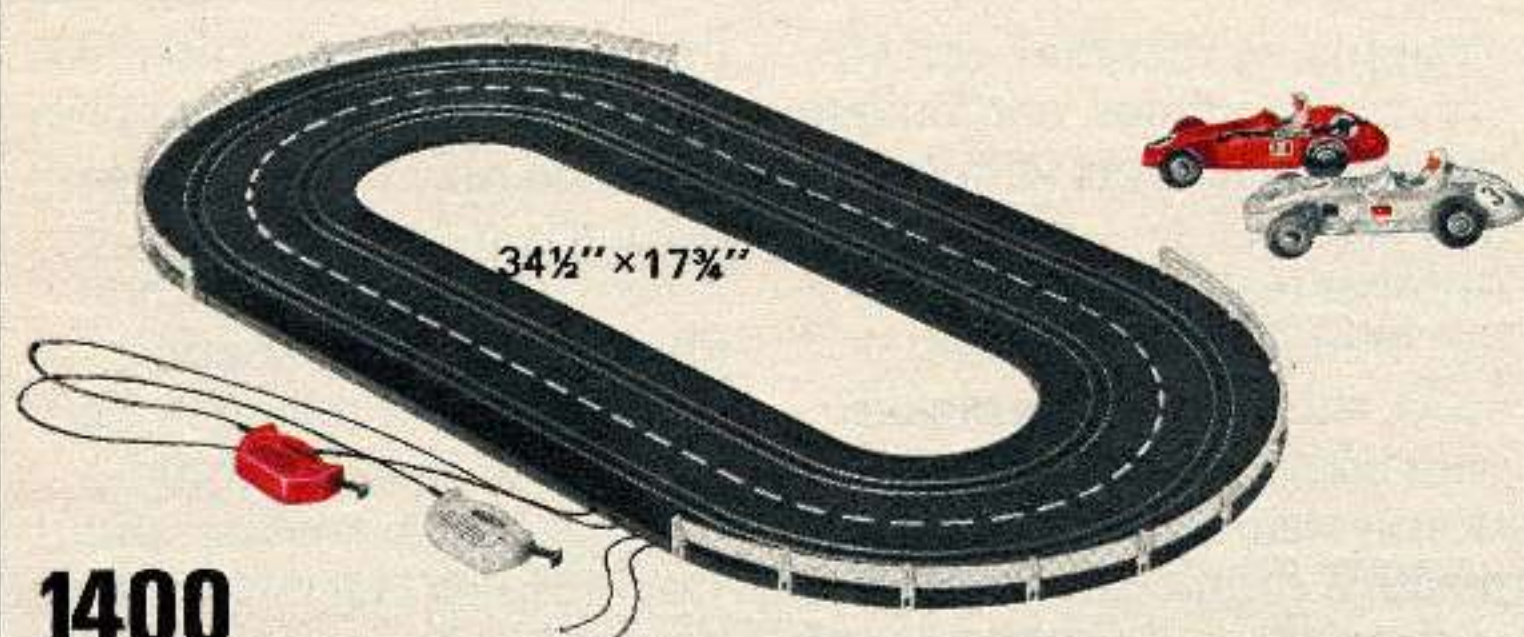
All Märklin-Sprint sets come in attractive gift sets. Ask your local dealer for the racing track sets with this picture.



Märklin-Sprint automobile racing tracks are fitted with suppressors to meet the regulations, and are marked to that effect.

Racing circuits with banked curves, overpasses, crash barriers...

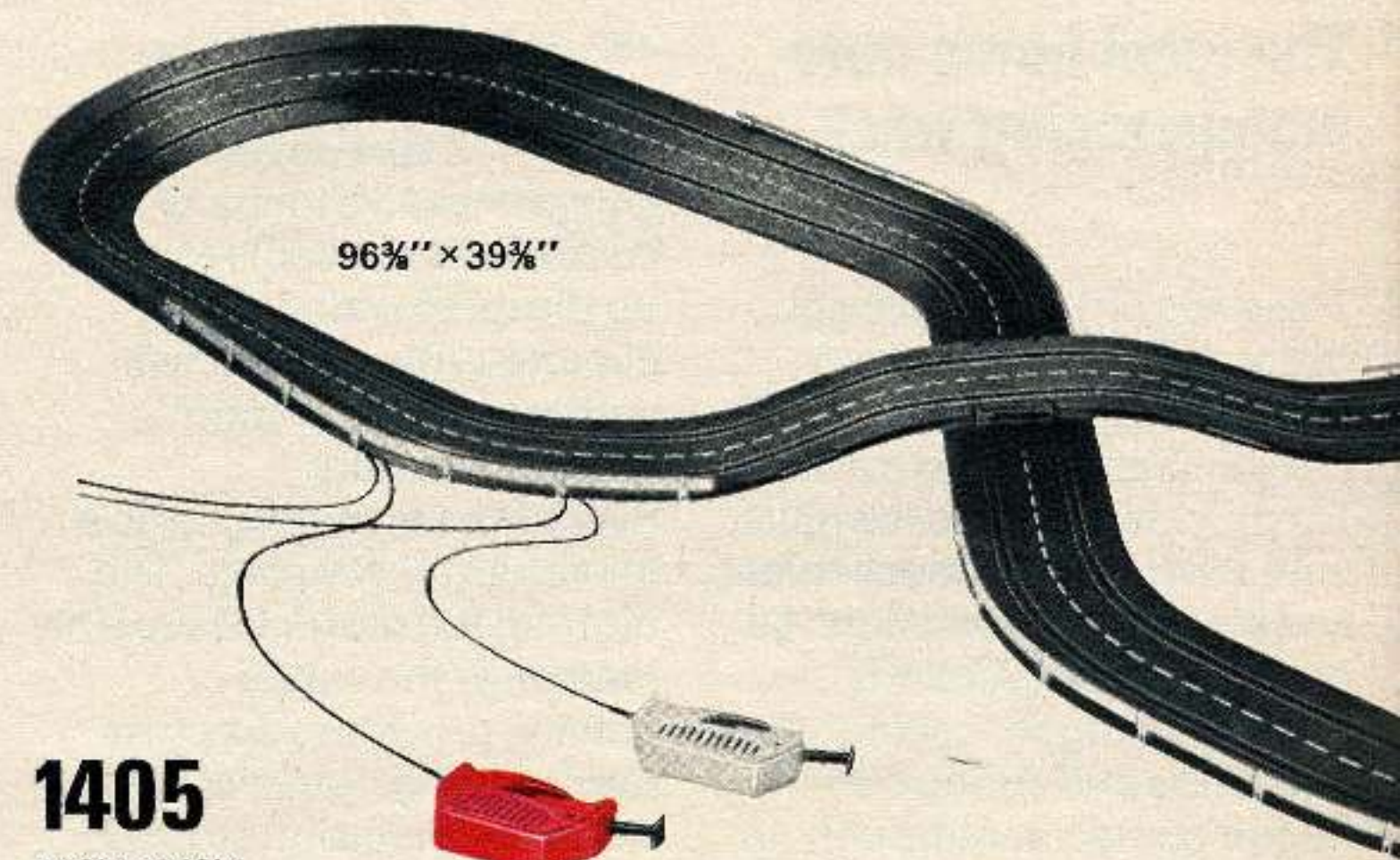
Racing track sets 1:32


1400

34 1/2" x 17 3/4"

Racing track set - Comprising two formula racing cars, one Mercedes Monoposto and one Ferrari Super-squalo, two speed controllers, one red and one grey, 4 straight course

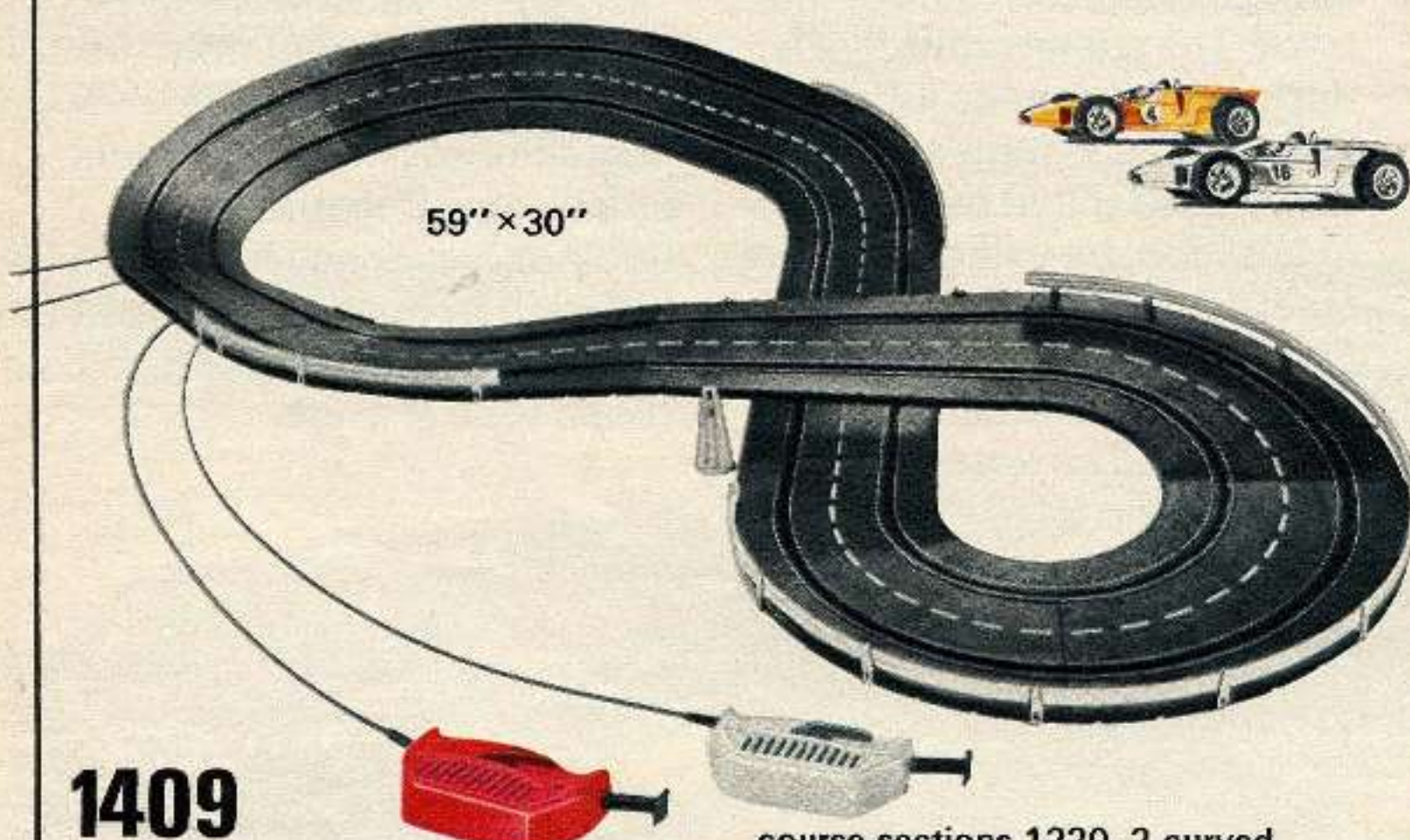
sections 1200 and 4 curved course sections 1220, together with crash barriers and 20 crash barrier supports - These parts will make up an oval circuit - Full instructions are included


1405

96 3/4" x 39 3/4"

Racing track set with 1 banked curve - Comprising 1 white and 1 orange-colored Mercedes C 111, 1 red and 1 grey speed controller, 2 straight course sections 1200, 4 straight course sections 1201, 2 straight sections 1205, 8 curved course sections 1241, 4 banked curve sections 1248,

2 banking approach course sections 1290, 2 levelling out sections for end of banking 1291, crash barriers, 30 crash barrier supports, 4 fishplates 1547 and 2 clips - With these parts, a figure-eight course with an overpass and one banked curve can be constructed - Full instructions are included


1409

59" x 30"

Racing track set with 1 banked curve - Comprising 2 McNamara racing cars, 1 red and 1 grey speed controller, 2 straight course sections 1200, 2 straight course sections 1201, 2 straight course sections 1206, 3 curved

course sections 1220, 2 curved course sections 1241, 4 banked curve sections 1248, crash barriers, 19 crash barrier supports, 3 banked curve supports and 1 fishplate 1547. These parts enable a figure-eight course with overpass and 1 banked curve to be assembled - Full instructions are included

1300

Formula racing car - A model of the Mercedes W 196 Monoposto - Driven through multi-ratio gear-box - Silver-colored plastic body - 5" long - Spare tires for this car: front 1500, rear 1501 or 1504


1301

Formula racing car - A model of the Ferrari Supersqualo - Driven through multi-ratio gear-box - Red plastic body - 5" long - Spare tires for this car: front 1500, rear 1501 or 1504


1305

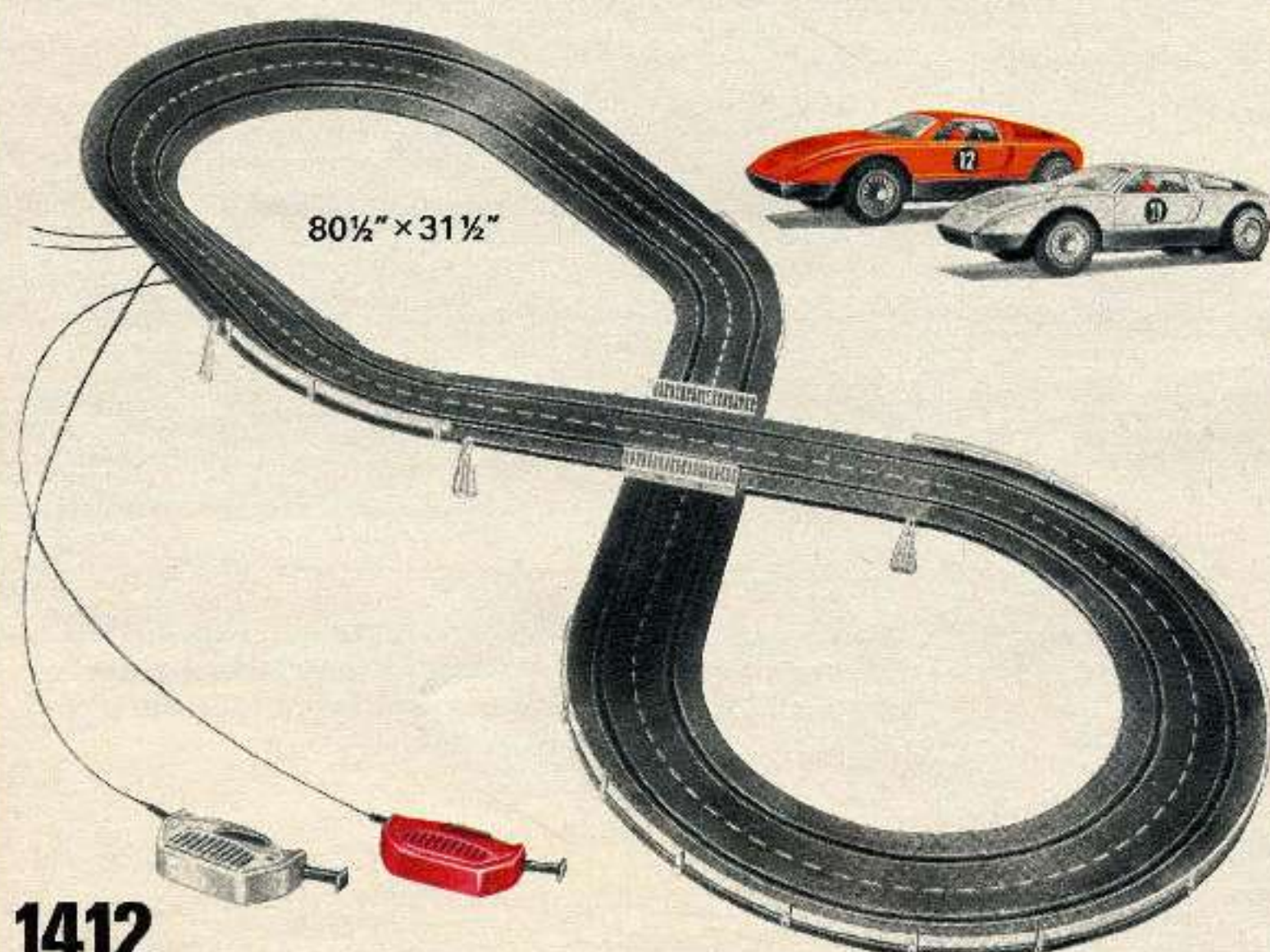
Sports car - A model of the Porsche Carrera 6 - Driven through multi-ratio gear box - Red plastic body - Cockpit enclosed by clear plastic hood - 5 1/4" long - Spare tires for this car: front 1500, rear 1503


1308

Sports car - A model of the Jaguar E-type - Swing front axle - Driven through spur gears - Red plastic body - Inset windows - 5 1/4" long - Spare tires for this car: front 1500, rear 1503


1310

Sports car - A model of the Porsche 911 T Targa - Swing front axle - Driven through spur gears - Orange plastic body - Inset windows - 5" long - Spare tires for this car: front 1500, rear 1503


1412

80 1/2" x 31 1/2"

Racing track set with 1 banked curve - Comprising 2 Mercedes C 111 sports cars, 1 red and 1 grey speed controller, 2 straight course sections 1205, 4 straight course sections 1206,

8 curved course sections 1241, 4 banked curve sections 1248, crash barriers, 22 crash barrier supports, 2 bridge parapets, 1 fishplate 1547 and 5 banked curve supports - These parts enable a figure-eight course with overpass and one banked curve to be assembled - Full instructions are included



Märklin
Sprint

1406

1 orange-colored open sports car,
1 red and 1 grey speed controller,
4 straight course sections 1200,
10 straight course sections 1205,
8 curved course sections 1241,
8 banked curved sections 1248,
2 sets of piers $1\frac{1}{16}$ " , $1\frac{9}{10}$ " and
 $2\frac{2}{5}$ " high, crash barriers, 30 crash
barrier supports and 4 banked
curve supports · These parts enable
a large figure-eight course with an
overpass and two banked curves to
be assembled · Full instructions are
included

131¾" × 55"

1311

1312

1314

1315

1316

1317

 = 60000

1319

1320



1321-

1318

Sports car · Porsche 911 T Targa as police car · **Continuously operating flashing blue light controlled by diodes** · Swing front axle · Driven through spur gears · Green and white plastic body · Inset windows · 5" long · Spare tires for this car: front 1500, rear 1503

 = 60209

Course sections 1:32

Straight sections

Two lanes · With feeder connection (1200, 1201, 1205 and 1206)

All course sections are made of rigid plastic with slots for guiding the cars, current being supplied to the cars by contact rails arranged on both

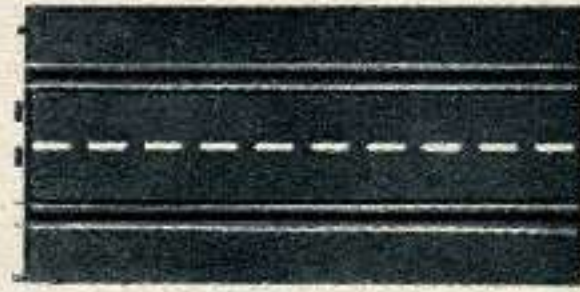
sides of the slots. Snap-on link couples the sections of track together. No additional braces are required. The sections are black

with a broken white line in the center.



1205

16 3/4" long
(twice the length of 1200)



1206

12" long
(twice the length of 1201)



1200

8 3/4" long



1201

6" long



1202

4 3/16" long



1203

2 9/16" long



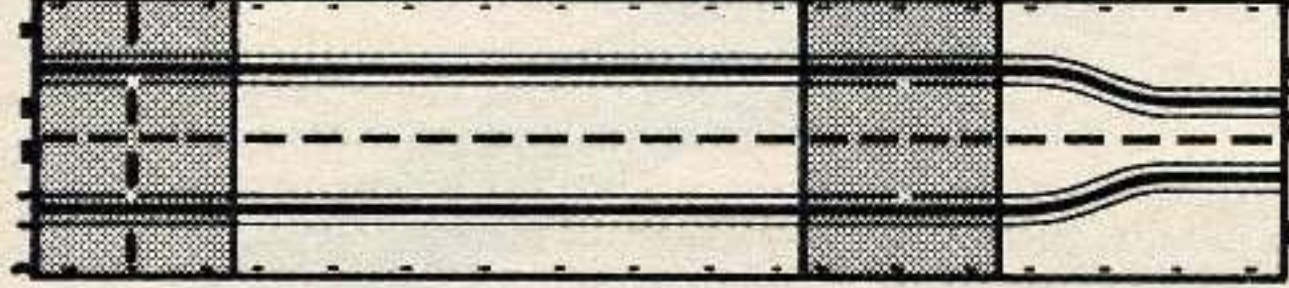
1204

1 3/4" long



1207

Controlled zone set · Comprising 2 sections each 4 1/2" long · For use at approach to chicane or lane-



change sections · The first vehicle entering this section automatically cuts off the power to the other lane

and restores it only after leaving the controlled zone

Chicane, straight section

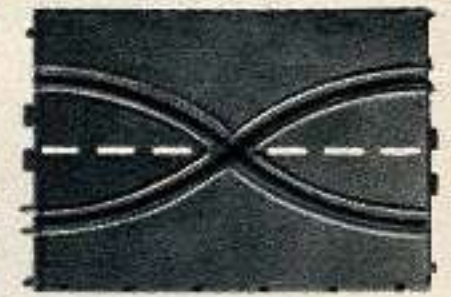
1216

Chicane, straight section · Two lanes · Track spacing reduced from 3" to 1 1/2" · 6" long · 2 such track sections are necessary



Change lane section, straight

Change lane sections (1217, 1227, 1247) cannot be used singly. They must either be used in pairs, or in combination with one another.



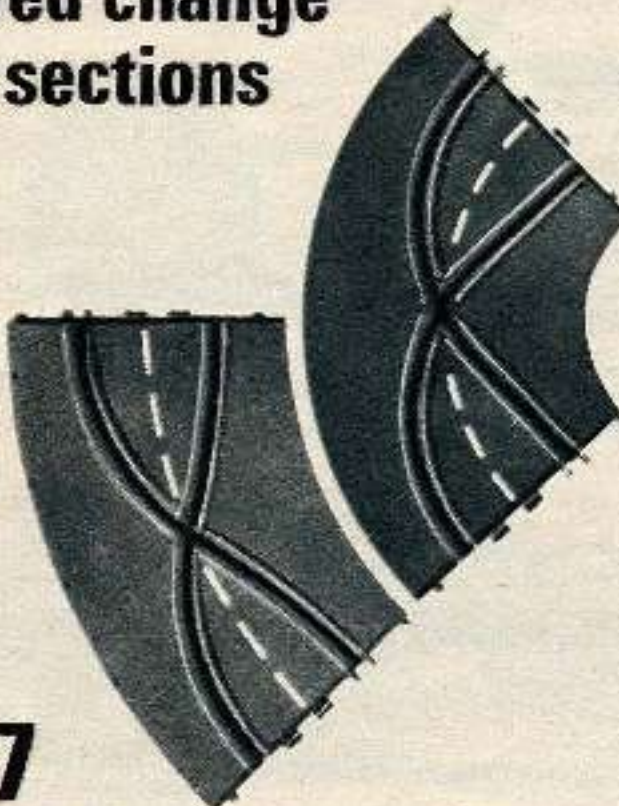
1217

8 3/4" long · Two lanes · The crossing conductor rails are electrically insulated from one another

Curved change lane sections

1247

45° curved change lane section · Two lanes · Mean radius 12"



The crossing conductor rails are electrically insulated from one another.

1227

90° curved change lane section · Two lanes · Mean radius 6"

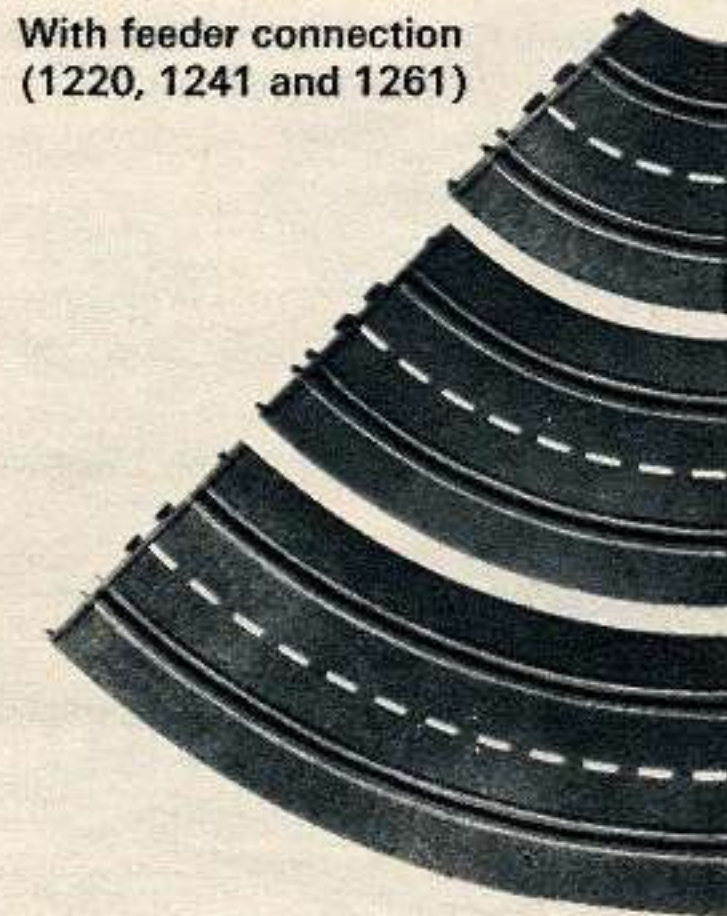


1220

90° curved course section · Two lanes · Mean radius 6"

Curved course sections

With feeder connection (1220, 1241 and 1261)



1221

45° curved course section · Two lanes · Mean radius 6"

1241

45° curved course section · Two lanes · Mean radius 12"

1261

45° curved course section · Two lanes · Mean radius 18"

45° banked curved course sections

1248

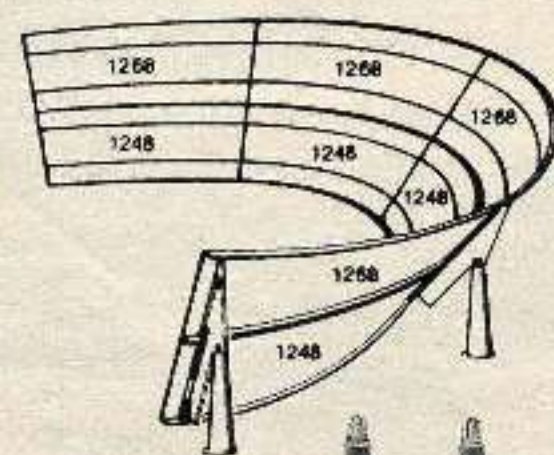
45° banked curved course section · Two lanes · Mean radius 12"

76



1268

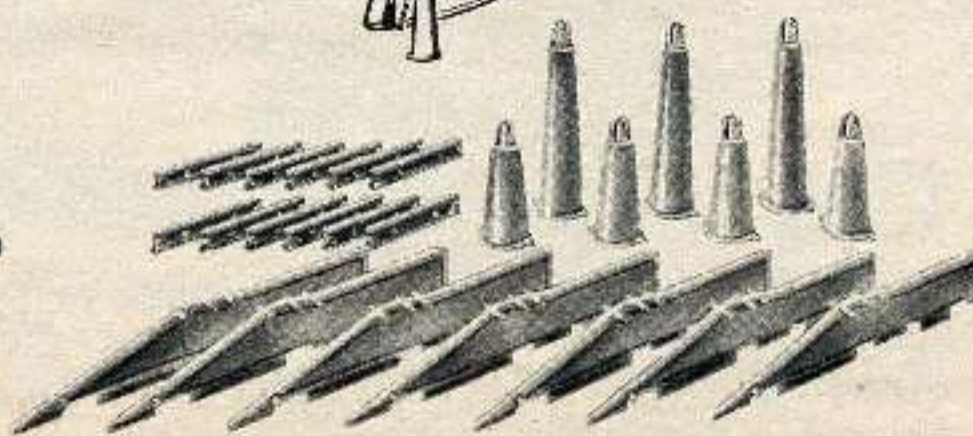
45° banked curved course section · Two lanes · Mean radius 18"



Inclines

1546

Set of banked curve supports · Comprising 7 cross supports, 3 columns 5" high, 4 columns 3" high and 12 connectors · Made of plastic · Required for 4-lane banked curves

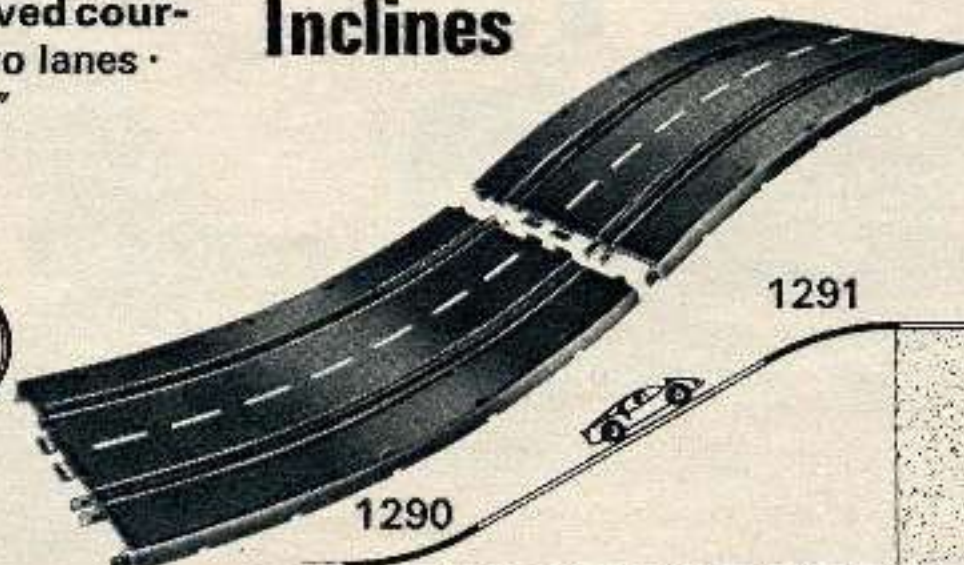


1290

Straight levelling-out section for start of incline · Two lanes · Concave pattern · Beginning and end of track form an angle of about 30° · 8 3/4" long

1291

Straight levelling-out section for end of incline · Similar to 1290 but convex pattern · Including 1 bracket for stiffening the section



...of extending the racing circuit to suit your own ideas

Märklin Sprint

Racing track accessories 1:32



6930

Märklin-Sprint power supply unit for use on 220 Volt AC. Output 14 volts DC approx. Power output 10 watts. Overload protection by automatic current limiter. Sheet metal case. On the output side, 2 pairs of sockets marked "Auto 1" and "Auto 2". Weight 2 1/4 lbs. Dimensions 5" x 3 3/4" x 2 3/10"

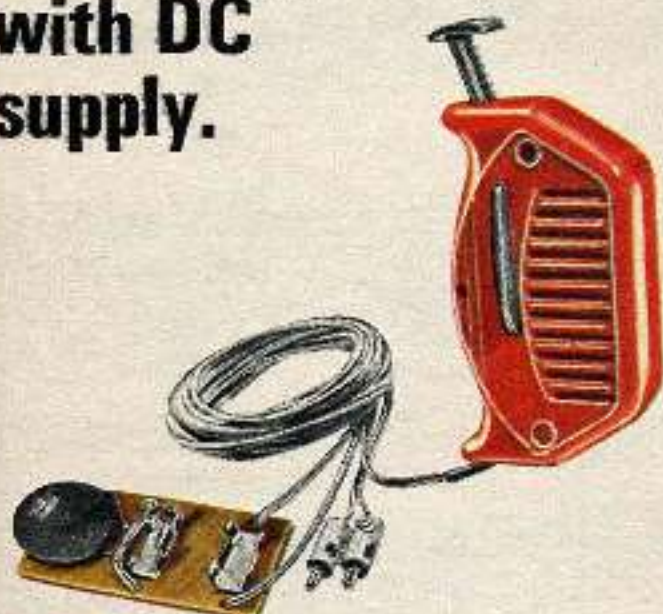
The use of the power supply unit 6930 is recommended. If Märklin railroad transformers are used, it is essential to connect the rectifier 1592 between the transformer and the speed controller.



1592

Rectifier. For use in conjunction with Märklin railroad transformers. Dimensions 2 1/4" x 2" x 5/8". DC supply for operating up to 4 cars simultaneously, can be taken from the two pairs of sockets marked "Auto 1" and "Auto 2". The transformer to be used must be rated 16 VA or more

Important: Märklin-Sprint racing cars must only be operated with DC supply.



1591

Speed controller with connecting fittings. Red. Shaped to be easy to handle. Control key will engage at various speeds. An emergency stop-button enables the power to be disconnected without losing the control key setting. **Built-in suppressor condenser.** The fittings comprise connector plate with a 2-core lead, 4'9" long, to the speed controller and another 2-core lead, 3'3" long, with plug for connecting to the power supply unit. A speed controller must never be used to control more than one car at a time



1594

Speed controller with connecting fittings. Large version. 40 Ohms. Electrodynamic brake effective with press key in position of rest. **Built-in suppressor condenser.** The fittings comprise the connecting plate with a 3-core lead to the speed controller and a 2-core lead with plugs for connecting to the power supply unit. A speed controller must never be used to control more than one car at a time



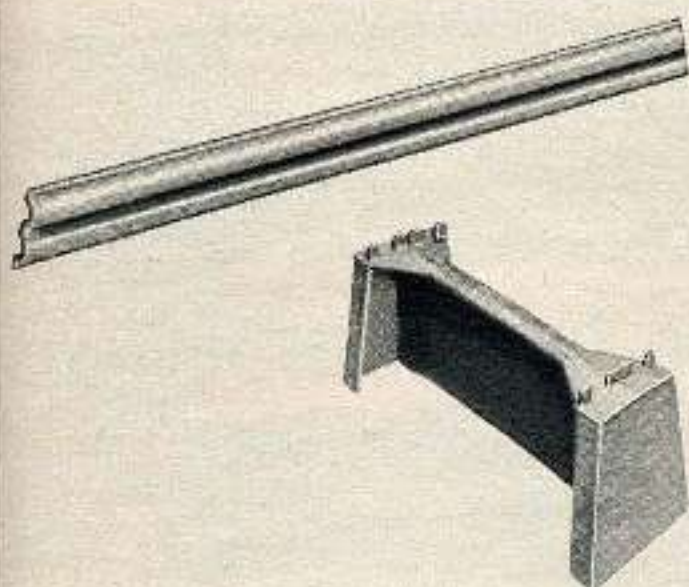
1593

Starting clock. To be connected between the power supply unit and the racing track layout. Interrupts the power supply to the racing track layout when the set time, which is adjustable between 0 and 5 minutes by means of a knob, has elapsed. The "off" is given by pressing the red "Start" button



1545

Mechanical lap counter. Mounted on a two-lane section 4 1/10" long. Displays up to 99 laps for each lane in either direction. Can be zeroed by hand. 5" high. 6" wide. A section 1202 is required as a make-up length. On multi-lane courses, several lap counters can be arranged in line, side by side

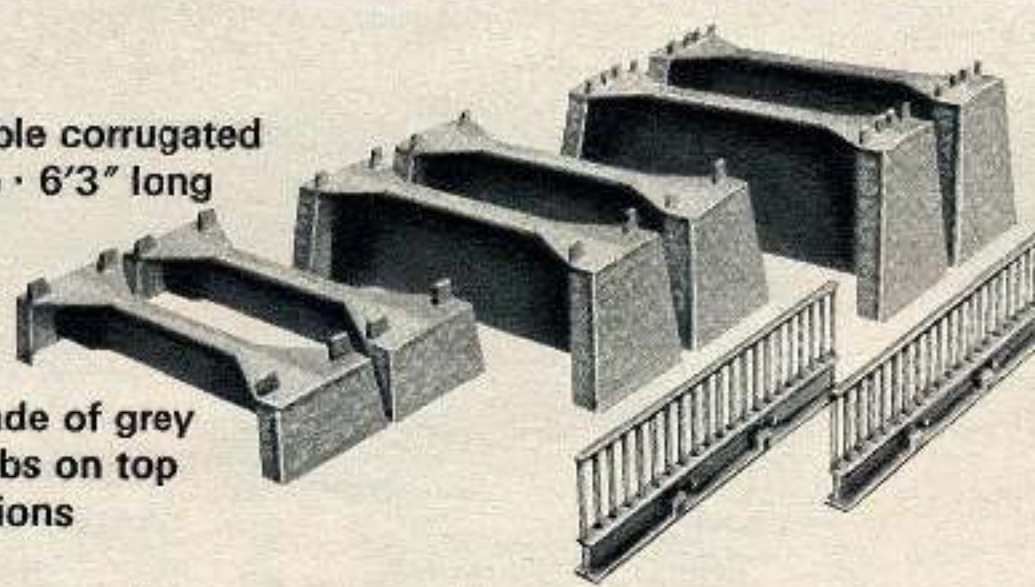


1540

Crash barrier. Flexible corrugated plastic section. White. 6'3" long

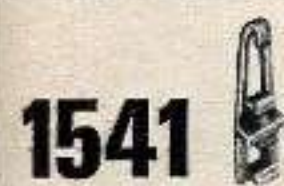
1543

Pier. 2 2/5" high. Made of grey plastic. Mounting stubs on top engage in course sections



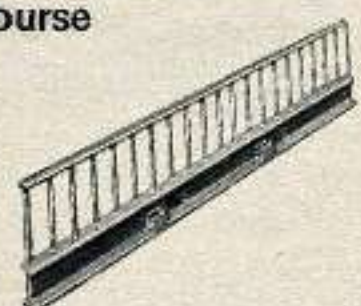
1542

Construction kit for overpass. Comprising 2 piers 1 1/16" high, 2 piers 1 3/10" high, 2 piers 2 2/5" high and 2 bridge parapets. All parts in grey plastic. Enables a very solid overpass to be built spanning even multilane courses



1541

Support for crash barrier. Made of white plastic. For fixing crash barriers to the course



1544

Bridge parapet. For reinforcing overpasses. Made of grey plastic. 5 3/10" long. 1 1/2" long



1547

Fishplate. 2 9/10" long. Made of black plastic. For connecting two adjoining straight sections and reinforcing the joints

Tire sets

1500

Comprising 2 rubber tires 20.5 mm diam. x 6 mm. For models 1300, 1301, 1305, 1308, 1310, 1311, 1312, 1314, 1315, 1316, 1317, 1318

1501

Comprising 2 rubber tires 23 mm diam. x 7 mm. For models 1300, 1301

1503

Comprising 2 rubber tires 20.5 mm diam. x 7.6 mm. For models 1305, 1308, 1310, 1311, 1312, 1314, 1315, 1316, 1317, 1318

1504

Comprising 2 rubber tires 24 mm diam. x 8.4 mm. For models 1300, 1301

1505

Comprising 2 rubber tires 20.5 mm diam. x 8.5 mm. For models 1319, 1320, 1321

Adaptation pickup skids

1510

(1 pair). Mount-on pickup skids for Märklin-Sprint cars to adapt them for tracks of other makes

Motor brushes

60146

Set of two brushes for Märklin-Sprint car motors



0751

Märklin-Sprint Racing Track Manual with suggestions for designing racing tracks. Includes rules for racing and interesting illustrations. 44 pages. Format 8 1/4" x 11"

Miniature automobiles Scale 1:43

Märklin miniature automobiles made of die-cast zinc with moving parts and special wheel fittings

These models are precision engineered down to the last detail. The doors, hoods and trunk lids, etc. will open, the windows are glazed. Full interior fittings. „rak” models have a special finish to ensure particularly smooth running. „rak” – that is Real Automobile Knack.

Ask your dealer for the special prospectus giving the complete range of Märklin „rak” miniature automobiles.

1974 Range

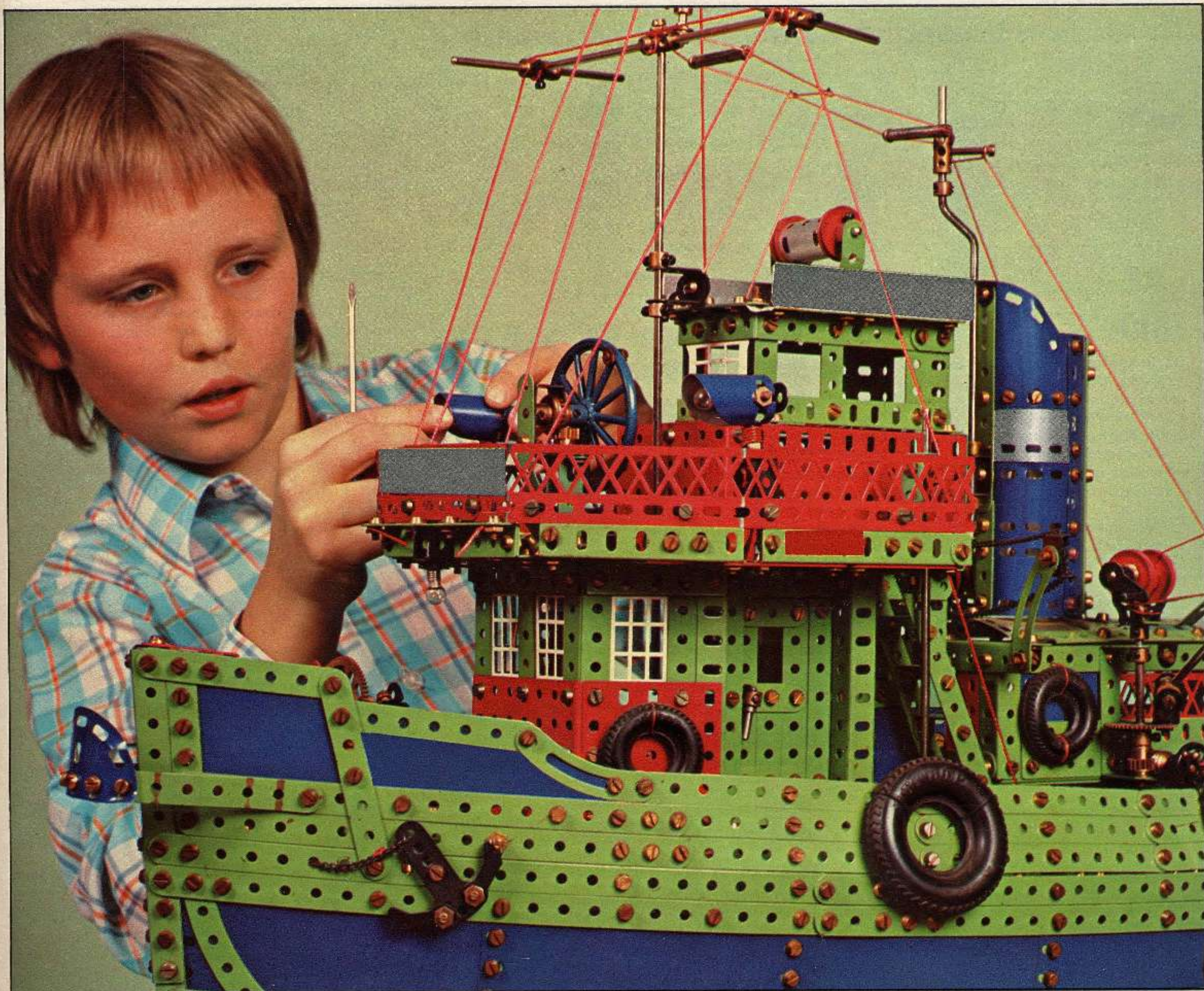
- 1800 Porsche 911 T Targa
- 1801 BMW 2000 CS
- 1802 Chaparral 2 F
- 1804 BMW 2800 CS
- 1805 VW-Variant 1600
- 1807 VW-Variant 1600 – fire brigade
- 1808 VW-Variant 1600 – ADAC – road assistance
- 1809 VW-Variant 1600 – Red Cross ambulance
- 1810 Porsche 910
- 1811 NSU Ro 80
- 1812 BMW 1600 GT
- 1813 Mercedes C 111
- 1814 BMW 3000
- 1816 Matra M 530
- 1817 Mercedes 250
- 1818 Chevrolet Corvette
- 1819 BMW 2002 ti
- 1820 BMW 2500
- 1821 Audi 100 LS
- 1822 Ford Capri 2300
- 1823 VW-Variant 1600 – Police
- 1824 Caravan
- 1825 VW 411
- 1826 VW-Porsche 914
- 1828 Mercedes 250 – Police
- 1829 Mercedes 250 – Taxi
- 1830 Unimog platform
- 1831 Unimog platform with accessories, 6 parts
- 1834 Audi 100 Coupé
- 1835 Opel Manta
- 1837 VW K 70
- 1839 Mercedes 350 SL



You build it yourself – bolt by bolt

Märklin

Metal Construction Sets



Märklin metal construction sets with real bolt assembly

Can now be combined* with
the new Märklin plus** construction kit system

* (see page 80)

** (see pages 82–89)

Märklin metal construction sets – prepare for the future while playing

The technology of the future will determine the quality of life to such an extent that it is as well for the young to prepare themselves for it early. Märklin metal construction sets provide a good way of learning about technical things while playing. Their recognised advantages reside, on the one hand in the educationally well-thought-out system of five basic sets, each intended for a particular age group, and on the other hand, in having the right parts accurately reproducing those used in practice and assembled with real bolts, again as in practice.

This grading by age and the technical realism are very important factors. They mean

that a child as young as five, while playing, becomes aware of the very simple relationships and can continue and increase his knowledge until he has a clear conception of the laws of mechanics and (from set 1013 on) of electricity, and this is always with due regard to his age and as his set is being extended with supplementary sets.

A Märklin metal construction set not only arouses enthusiasm because of its unlimited possibilities and realistic components, but it is also of real assistance in providing practical knowledge.

Metal Construction Sets

Märklin metal construction sets with the real bolt assembly



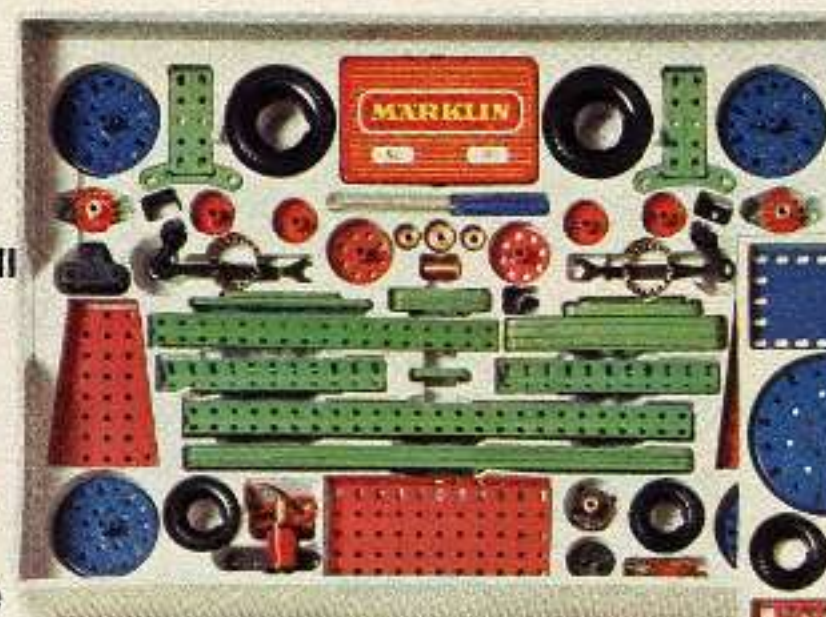
1010

Basic set for children from 5 years upwards · Comprising 176 constructional parts · Size 16" x 12" x 1 1/4" · Weight 2 lbs 5 oz · The instruction book even with this smallest set, shows more than 90 models which can be built, including small tracks, windmills, cranes, etc. · In the process, it teaches what pulley blocks, gear ratios and couplings are · Can be built up to Basic Set 1011 by adding Supplementary Set 1030



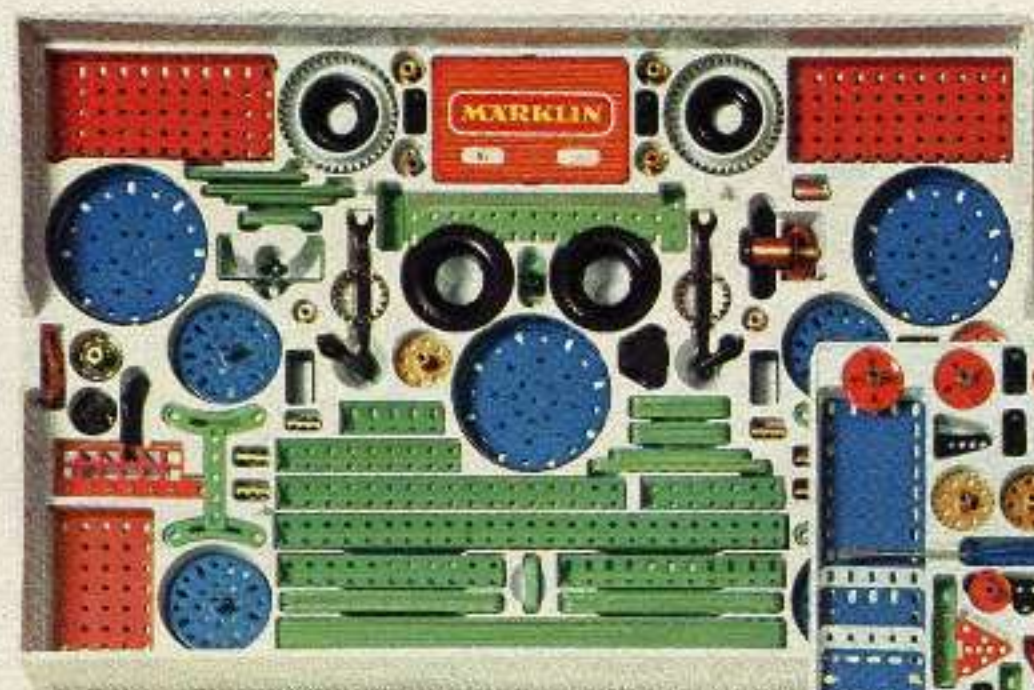
1011

Basic set for children from 6 years upwards · Comprising 242 constructional parts · Size 20 3/4" x 13 3/4" x 1 1/4" · Weight 3 lbs 14 oz · All sorts of mechanical models can be built with this set, the range extending from scooter to logging truck, from weighing machine to cable car, from excavator to mobile crane, with everything true to the originals and fully working · Can be built up to Basic Set 1012 by adding Supplementary Set 1031



1012

Basic set for children from 7 years upwards · Comprising 396 constructional parts · Size 20 3/4" x 13 3/4" x 1 1/2" · Weight 6 lbs 13 oz · Set 1012 enables still more detailed models to be built, such as diesel locomotives, large trucks, tower cranes, windmills, drilling rigs, etc. · A good appreciation of the laws of mechanics achieved · Can be built up to Basic Set 1013 by adding Supplementary Set 1032



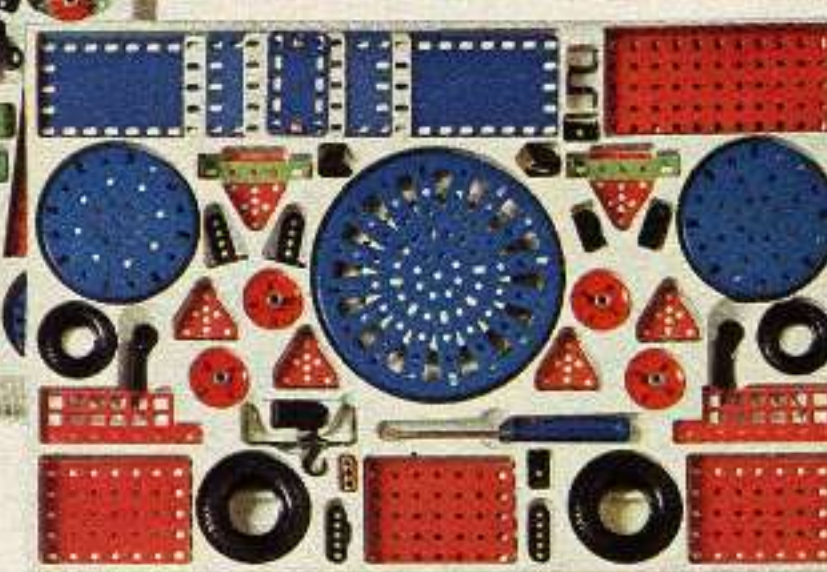
1014

Basic set for children from 10 years upwards · Comprising 1006 constructional parts · Size 25 1/4" x 16 1/2" x 2 1/4" · Weight 16 lbs 4 oz · The contents of this set are for enthusiasts young and old alike · The capabilities at this stage include impressive models built up out of hundreds of separate parts · It is also possible to make mechanical and physical models based strictly on scientific principles · Can be extended one stage further by adding Supplementary Set 1034



1013

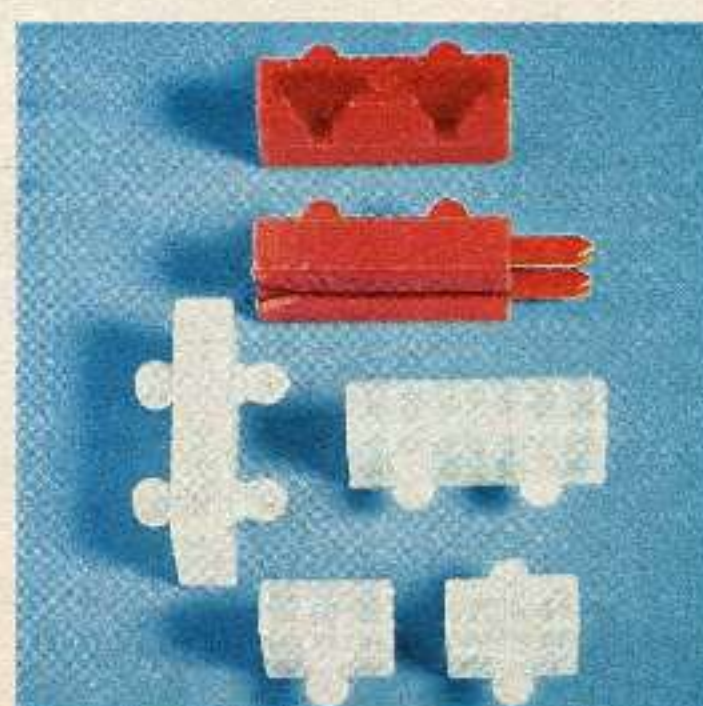
Basic set for children from 10 years upwards · Comprising 703 constructional parts · Size 20 3/4" x 14 1/4" x 2 1/4" · Weight 11 lbs 11 oz · From this set onwards, electrical components are included, such as commutator, solenoid, electrical leads, etc. · A short "Course in Electricity" gives an introduction to the principles of electricity and electromagnetism and many models enable this knowledge to be applied · Can be built up to Basic Set 1014 by adding Supplementary Set 1033



Example of combination of Märklin metal construction sets and Märklin plus

9330

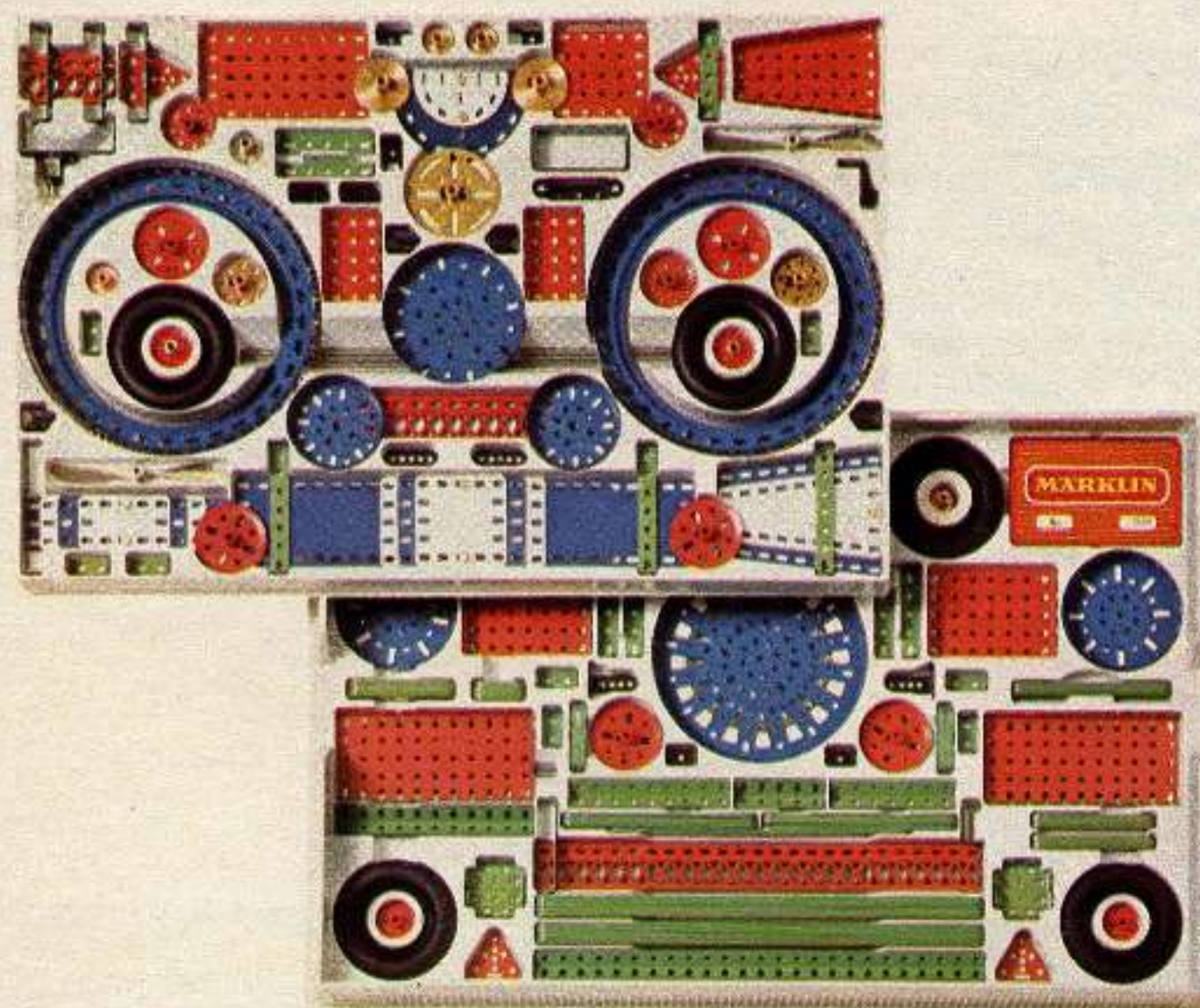
Connecting block set · Contains 6 different sorts of building blocks which offer a variety of interesting ways of combining Märklin metal construction sets and Märklin plus



...discover them for yourself in your own workshop

Märklin

Supplementary Sets



1034 Supplementary set, extends Basic Set 1014 a stage further

Any basic set can be built up to the next larger one by adding a supplementary set, whose contents added to the existing basic set make up the new larger basic set. If, e.g., you have Basic Set 1010 and would like to bring it up to Basic Set 1011, then you would require Supplementary Set 1030.

Apart from the supplementary sets mentioned above, any Märklin metal construction set can be extended by individual parts if your set does not have enough parts for a particular model you wish to make, or by special parts which are not included in your set. A special list of these parts, as well as the parts themselves, can be obtained from any toy shop which stocks Märklin products.

Number of constructional parts in the Märklin metal constructional sets

Basic Set No.	Number of parts	Supplementary Set No.	Number of parts
1010	176	1030	67
1011	242	1031	164
1012	396	1032	308
1013	703	1033	307
1014	1006	1034	1100

In brief:

Supplementary Set 1030 Converts Basic Set 1010 into Set 1011
 Supplementary Set 1031 Converts Basic Set 1011 into Set 1012
 Supplementary Set 1032 Converts Basic Set 1012 into Set 1013
 Supplementary Set 1033 Converts Basic Set 1013 into Set 1014

Individual Parts Set



1040
Individual Parts Set · Comprising flat strips, bolts and nuts



1041
Individual Parts Set · Comprising connecting pieces such as bearing yoke, double angle, angle piece, guide fork and flat piece



1042
Individual Parts Set · Comprising flat strips, connecting and bearing bracket



1043
Individual Parts Set · Comprising angle supports, bolts and nuts



1044
Individual Parts Set · Comprising shafts of various lengths, setting rings and hand crank



1045
Individual Parts Set · Comprising cord pulley, rubber tires, shaft and setting rings



1046
Individual Parts Set · Comprising curved strips, bolts and nuts



1047
Individual Parts Set · Comprising bearing plates, bolts and nuts



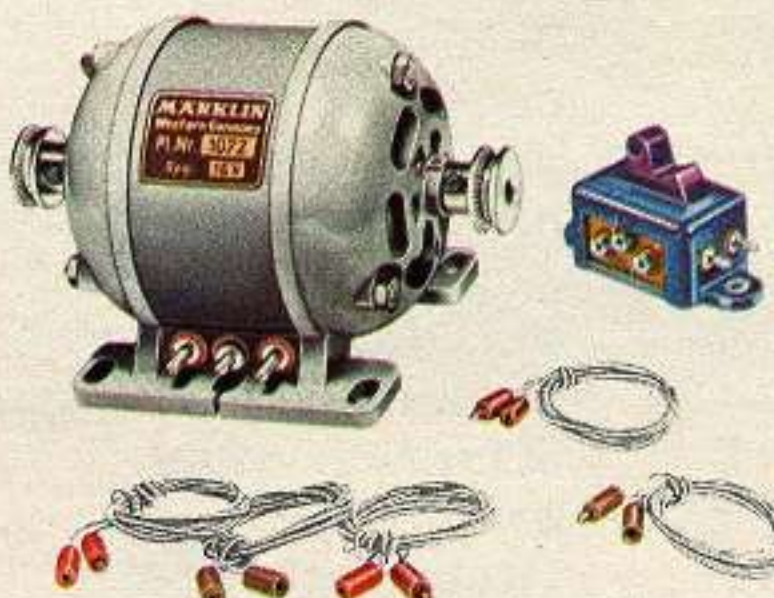
1048
Individual Parts Set · Comprising bearing brackets, supporting brackets branch connections and connecting pieces



1049
Individual Parts Set · Comprising long and short bolts with nuts

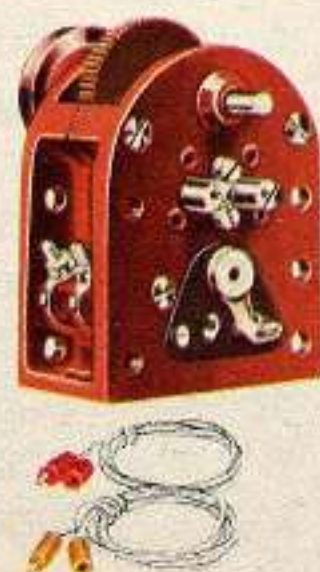
Electric motors for driving models

It is a particular pleasure to any youngster to construct models in accordance with the Instruction Book or his own ideas and to see them work "automatically". The two electric motors illustrated can be used to power models in this way, including those assembled from the smallest basic set.



1072 ELEX

"ELEX" Electric motor · 16 volt · With lead and reversing switch · Two cord pulleys running in opposite directions at different speeds which are variable by the transformers · No-load speed 3000 and 1100 rpm approx. · Extremely powerful motor suitable for driving the largest models made up from the construction sets, as well as working models of all types · 3 connecting plugs · 2½" high · 3¾" long · 2½" wide · Distance between pulley grooves 3¾" · Weight 23½ oz.



1071

Electric motor · Reversible to run in either direction · No-load speed 1500 rpm approx · Runs on 16 volts, so it can be connected to any Märklin HO gauge railroad transformer · Accessories: 2 leads · 2½" high · 2" wide · 2" long · Weight 7 oz.

From the large building blocks for small children right up to electronics for the big ones without a break



Märklin plus the new construction kit system

Can now be combined* with Märklin metal construction sets with the real bolt assembly system**

* (see page 86)

** (see pages 79–81)

Märklin plus the "fast" system

"Quickly assembled, equally quickly dismantled" could be the motto of Märklin plus. Children derive particular pleasure in showing you, after a short time, what they have been able to make.

Summary of the system

- A Basic sets with basic and wall building blocks for solid structures
- AB+B Basic sets with basic building blocks, narrow blocks and bearing blocks for mechanical models
- BE Extension kits for B
- C Construction kits for single models
- E Sets of individual parts
- F Electromechanical and electronic functional parts
- G Large building blocks for the toddlers

Märklin plus for everyone, from toddler to the hobbies enthusiast

This new construction kit system caters for all age groups. Everyone, from toddler to the hobbies enthusiast can build to his heart's content, as talent and imagination dictate. No building block ever becomes useless. The building block the toddler builds with, will also fit into the enthusiast's model.

Märklin plus can be understood in no time

Anyone who can fasten a press-stud can understand Märklin plus, because Märklin plus has press-stud closures. The parts can be assembled easily and quickly and then separated again. None get worn out, even after hard usage.

Märklin plus the system with no limits

Extending by steps, Märklin plus opens up even the field of electromechanics. The electronic modules stimulate even the most demanding hobbies enthusiast continually onwards to new experiments.

Märklin plus the ideal aid in teaching and learning

Märklin plus promotes logic, awakens hidden talents and stimulates the imagination. This new building block system is more than a pastime.

Basic sets for solid structures

A

9000

Basic set · Comprising basic and wall building blocks of various sizes and colors, and also doors, windows and a base plate for building simple structures and small houses with flat roofs

9001

Basic set · Comprising basic and wall building blocks of various sizes and colors, and also doors, windows and a base plate for building small houses with flat and sloping roofs

9002

Basic set · Comprising basic and flat building blocks of various sizes and colors, and also doors, windows, sets of wheels and base plates for building houses and vehicles

9003

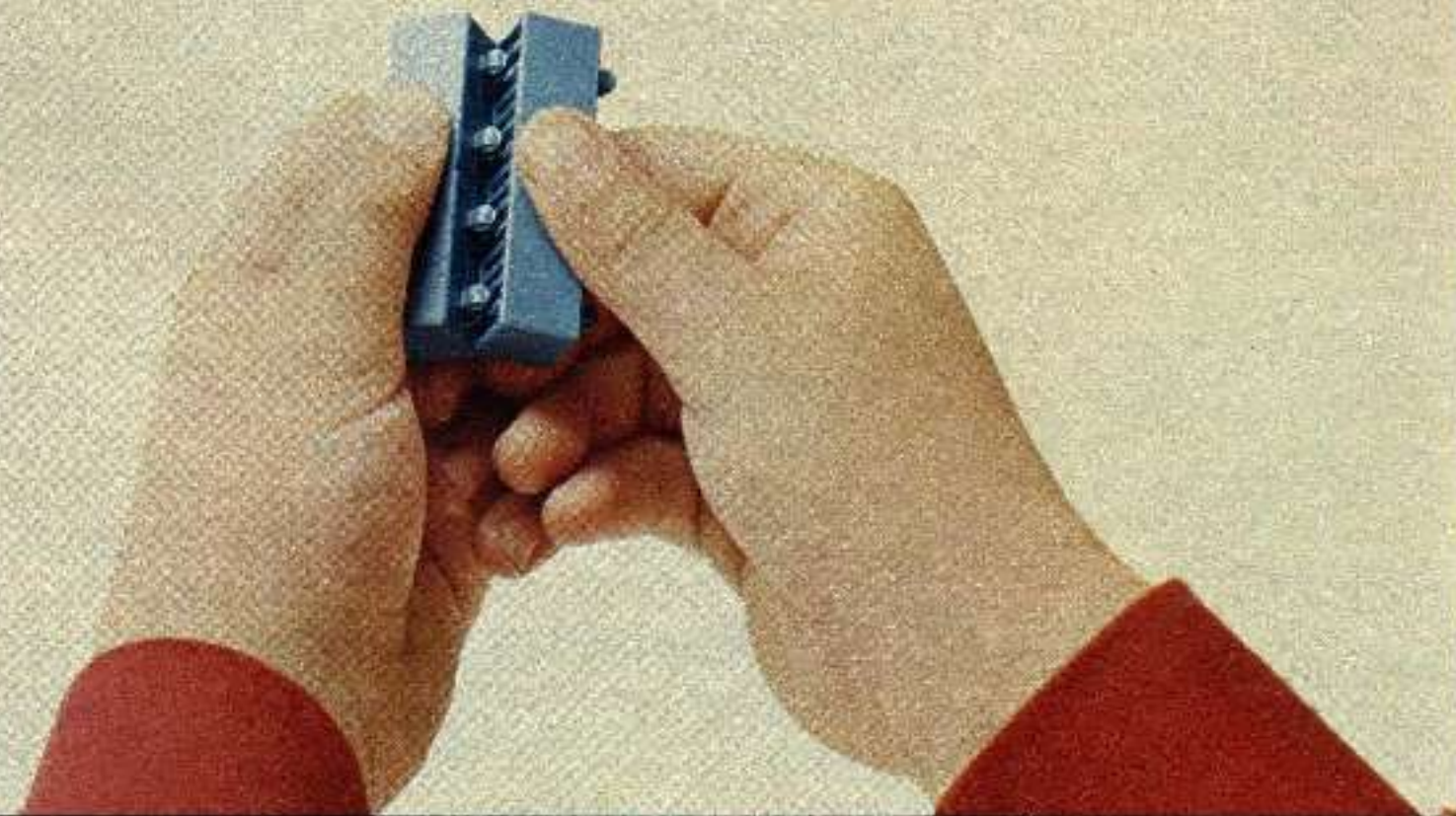
Basic set · Comprising basic, wall and corner building blocks of various sizes and colors, and also doors, windows, sets of wheels and base plates for constructing all kinds of buildings and vehicles

9004

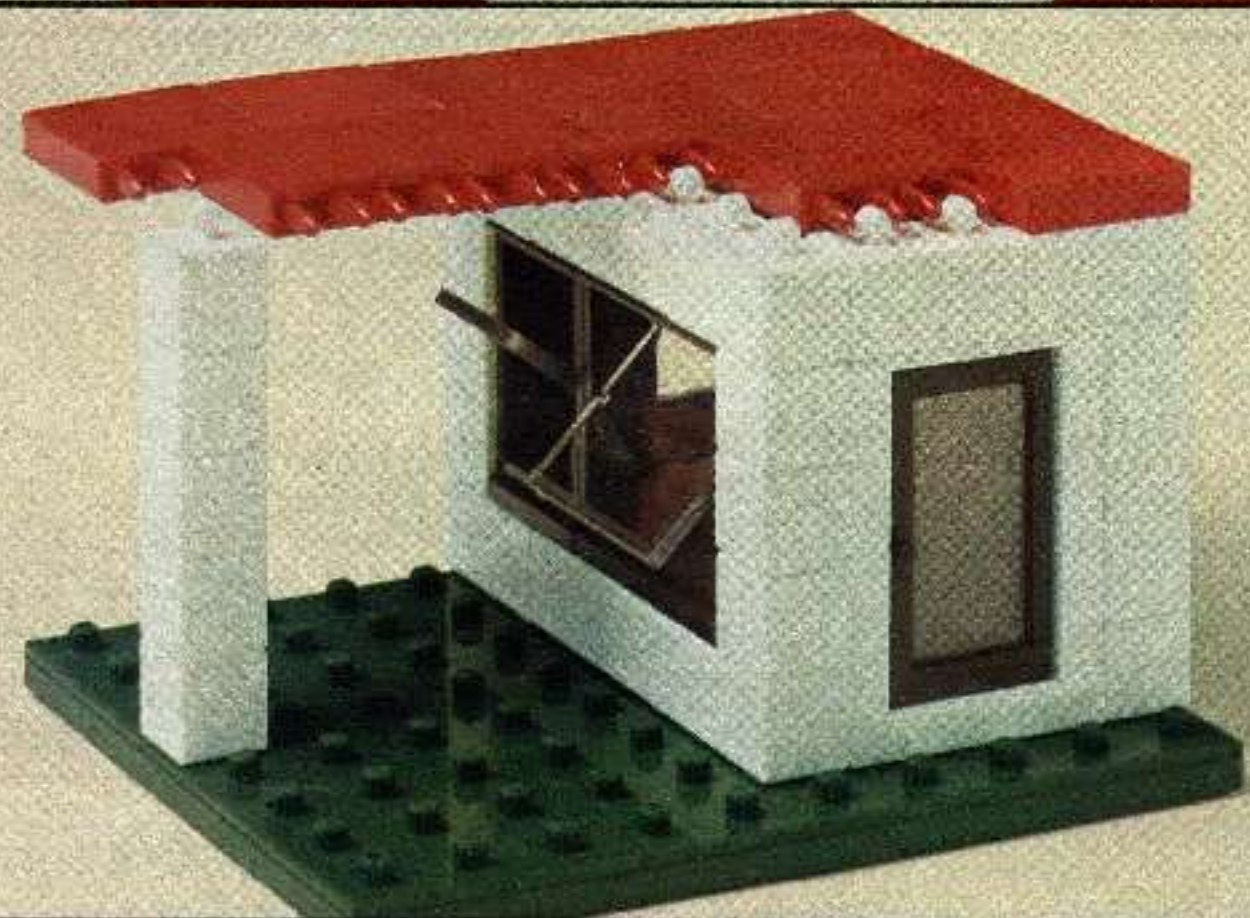
Basic set · Comprising a wide selection of basic, wall and corner building blocks of various sizes and colors, and also doors, gateway, windows, sets of wheels and base plates for constructing buildings, garages and vehicles



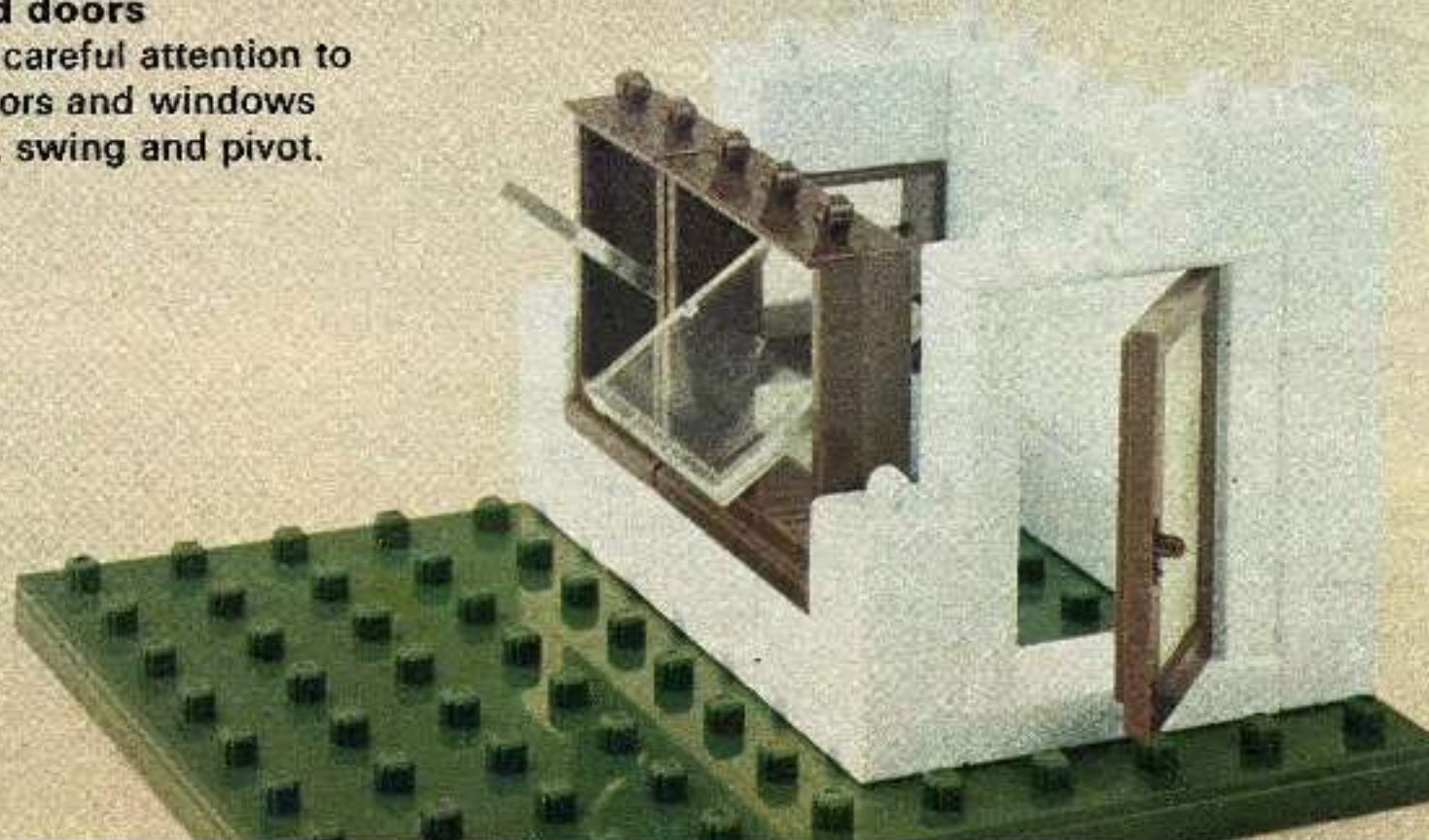
The basic building-block engages with a "click" into the adjoining block. With Märklin plus no block gets worn out. Even after long use these blocks retain their solidity.



Wall building blocks are other basic elements in the system without limits. With them flat roofs and gabled roofs, floors including intermediate floors, and much else, can be built.



Windows and doors are made with careful attention to details. The doors and windows open and shut, swing and pivot.



Märklinplus *Fully working mechanical models...*

Basic sets for mechanical models Extension kits

AB 9500

Basic set · Comprising a rich assortment of a wide variety of building and bearing blocks and also narrow building blocks, shafts, wheels, doors and windows for constructing buildings and mechanical models · An instruction book is included

B 9100

Basic set · Comprising basic building blocks, narrow blocks and bearing blocks, and also wheels, for constructing simple mechanical models such as cranes and machines · An instruction book is included

9101

Basic set · Comprising basic building blocks, narrow blocks and bearing blocks, and also wheels and gear wheels for constructing mechanical models with gear drives · An instruction book is included

9102

Basic set · Comprising basic building blocks, narrow blocks and bearing blocks, struts, wheels and gear wheels for constructing a wide variety of mechanical models and vehicles of higher complexity · An instruction book is included

9103

Basic set · Comprising a large number of components of all sorts, including a drive motor, for constructing engineering models with scientific exactitude · An instruction book is included

Extension kits

BE 9150

Extension kit with instruction book · Converts set 9100 into 9101

9151

Extension kit with instruction book · Converts set 9101 into 9102

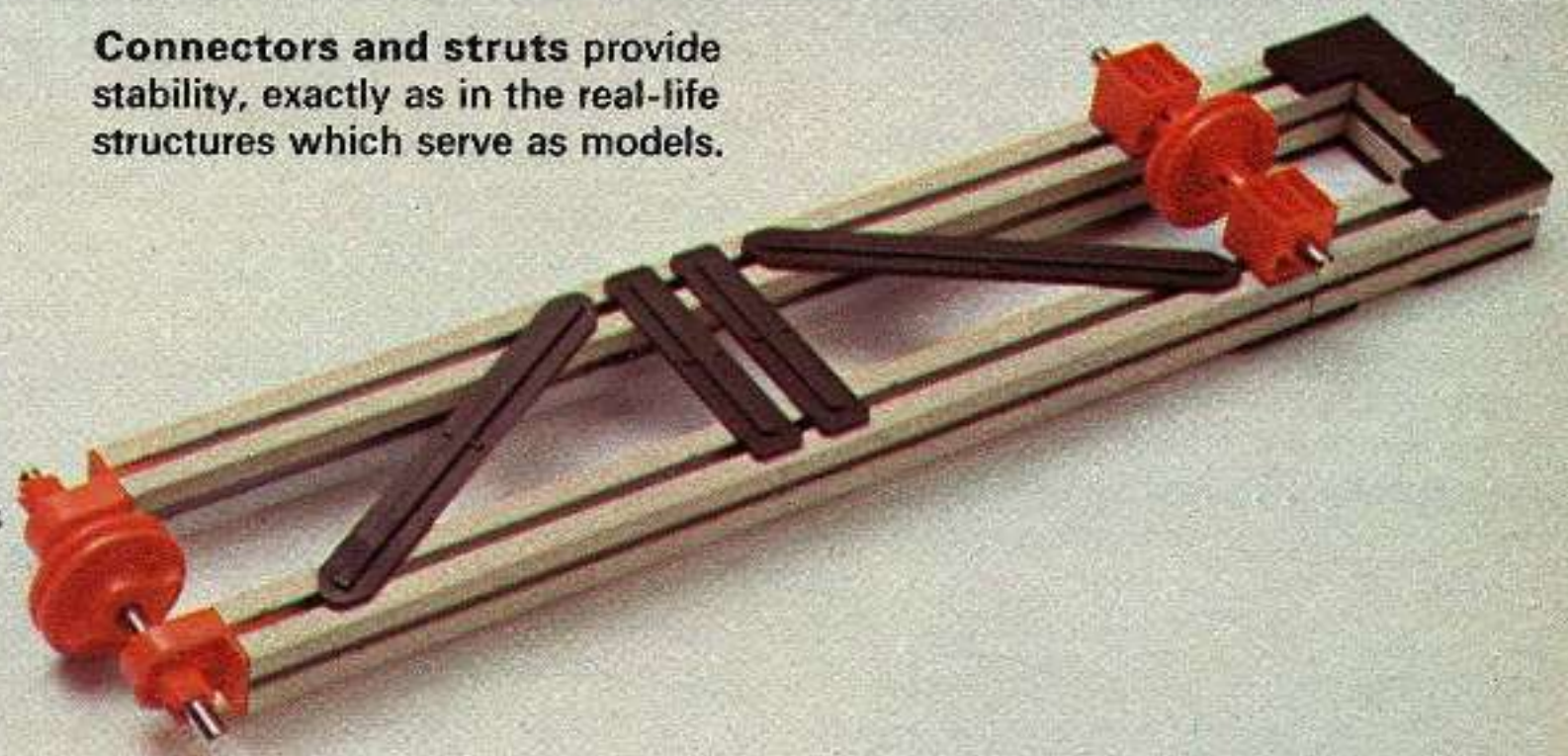
9152

Extension kit with instruction book · Converts set 9102 into 9103



Märklin plus flexible-sided narrow building block: a magic wand. This flexible-sided narrow building block is available in a variety of lengths up to 7 7/8". These narrow building blocks have guide slots in their four faces. Other building blocks can simply be pressed into their flexible sides. This is one of the great advantages of Märklin plus; it enables extensions of the greatest variety to be built on to an existing structure, without modifying the original structure.

Connectors and struts provide stability, exactly as in the real-life structures which serve as models.



Extension kits

Enlarging a B basic set to turn it into the next higher B basic set is carried out by means of the BE extension kits.

Extension kit BE 9150 converts Basic set B 9100 into B 9101

Extension kit BE 9151 converts Basic set B 9101 into B 9102

Extension kit BE 9152 converts Basic set B 9102 into B 9103



...or simple buildings and vehicles

Märklinplus

Construction kits for single models

The Märklin plus suggestion for a present

Only a few building blocks are needed to be able to build one of these popular models. These construction kits are favorite items to pick up when you are out shopping and they are ideal as presents on many occasions. All the parts fit in with the other Märklin plus constructional components.

C

9200

Old timer kit



9201

Racing car kit



9202

Trailer kit



9220

Bus stop kit



9221

Tractor kit



9222

Commercial vehicle kit



9223

Semitrailer kit



9240

House kit



9241

Landrover kit



9242

Road tanker kit



9243

Truck kit



9287

Tipper kit



9288

Articulated tractor and trailer kit



9289

Road tanker train kit



9290

Aircraft kit



9298

Garage kit



9299

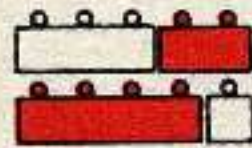
Gas station kit



Sets of individual parts

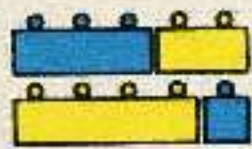
E

9300



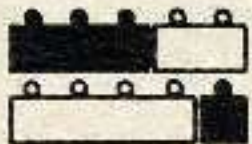
Set of building blocks, white and red

9301



Set of building blocks, blue and yellow

9302



Set of building blocks, black and transparent

9303



Set of half-size building blocks, white and red

9304



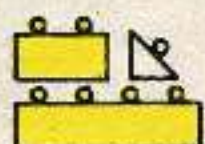
Set of half-size building blocks, blue and yellow

9305



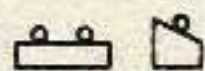
Set of half-size building blocks, black and transparent

9306



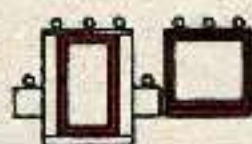
Set of building blocks for sloping roof, white and yellow

9307



Set of building blocks for sloping roof, white

9308



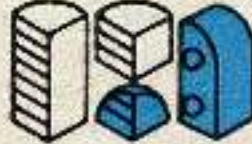
Set of door and window building blocks

9309



Set of round corner building blocks, white and red

9310



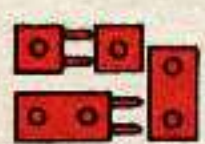
Set of round corner building blocks, blue and transparent

9311



Set of wall building blocks, red

9312



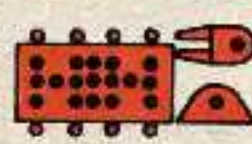
Set of wall building blocks for structures on roofs

9313



Set of coping blocks

9314



Set of various bearing blocks

9315



Set of short narrow building blocks

9316



Set of narrow building blocks, 1" and 4" long approx.

9317



Set of narrow building blocks, 2" and 8" long approx.

9318



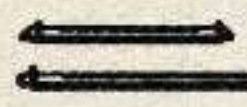
Set of flat connectors

9319



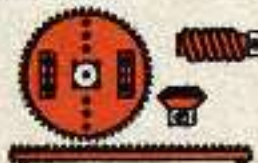
Set of struts, short

9320



Set of struts, long

9321



Set gear wheels with racks and worm gear

9322



Set of gear wheels and worm gear

9323



Set of shafts with ball joint

9324



Set of cord pulley with propeller

9325



Set comprising cord drum with crank, sheave and pawl

9326



Set of wheels with tires

9327



Set of chain links for conveyor belt

9328



Set of chain links for drive chain

9329

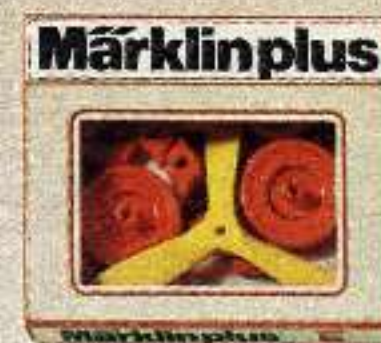


Set of chain links for caterpillar track

9399



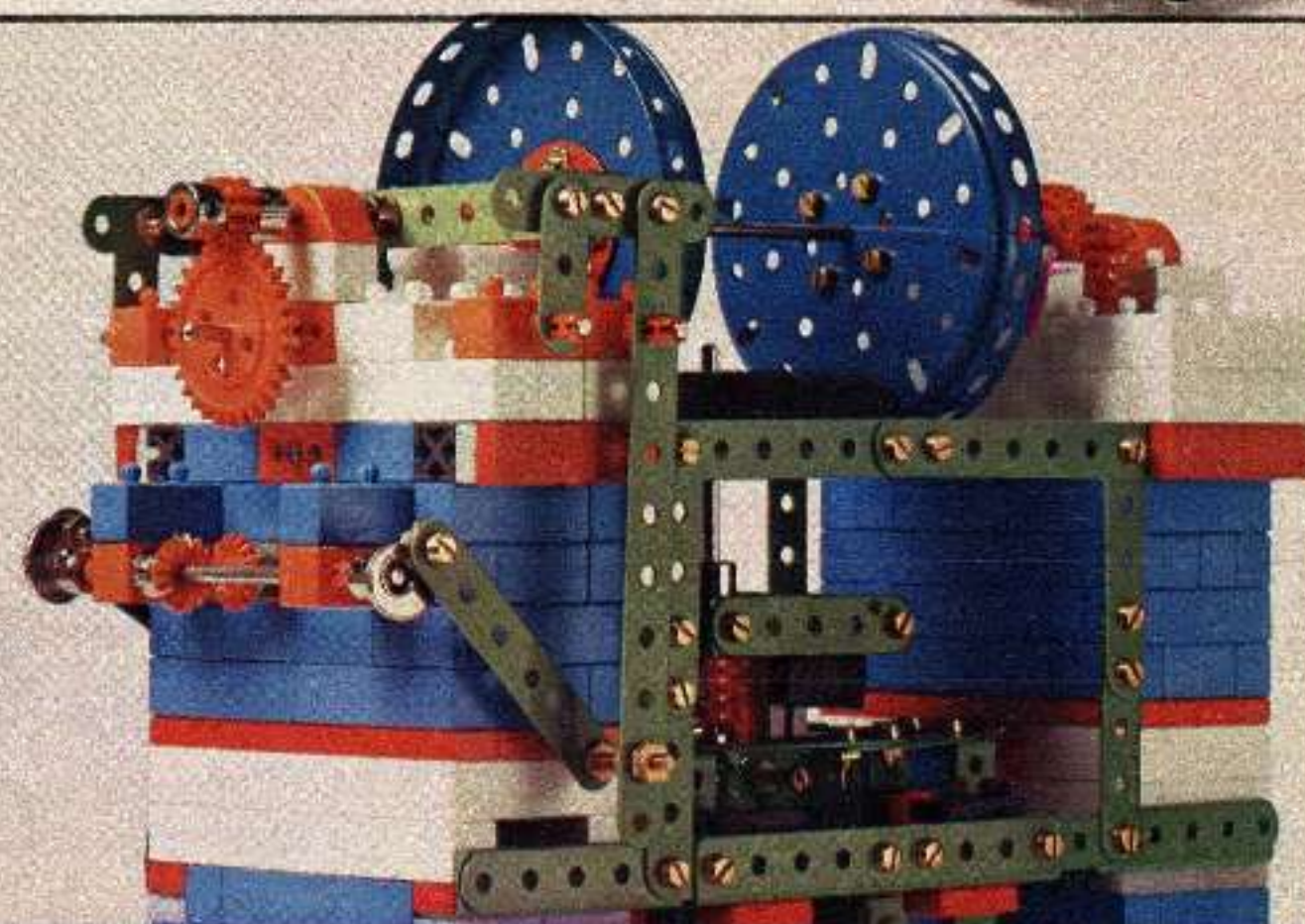
Base plate - Dimensions 14 1/4" x 15 1/4" approx.



Combination Märklin plus with Märklin metal construction sets

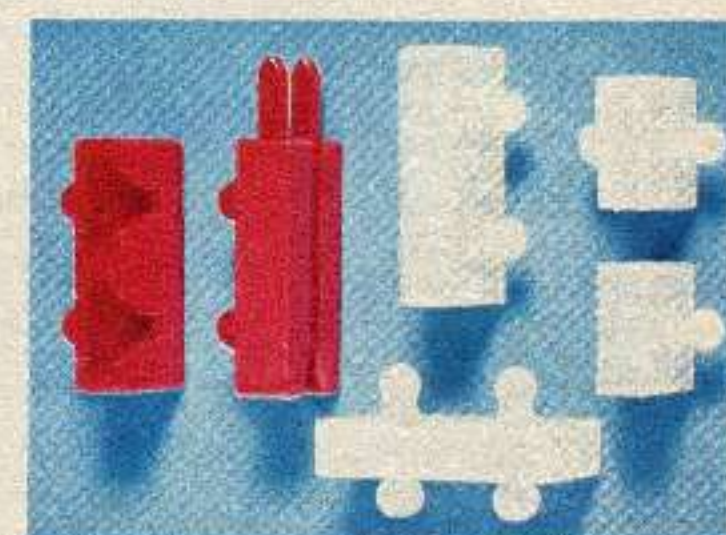
Many successful engineers and technologists have taken their first steps in the world of engineering with the construction set which for many years has been synonymous with engineering construction sets - the Märklin metal construction set. The two construction systems can now be joined together simply and harmoniously by means of E 9330.

Examples of combinations Märklin plus with Märklin metal construction sets



9330

Set of connecting building blocks - Comprising six different sorts of building blocks which provide a variety of interesting ways of combining Märklin plus with Märklin metal construction sets



NEW

...even for today's electro-
mechanical systems

Märklinplus

Functional parts for the electro- mechanical extension

F



9400

Motor with gearbox



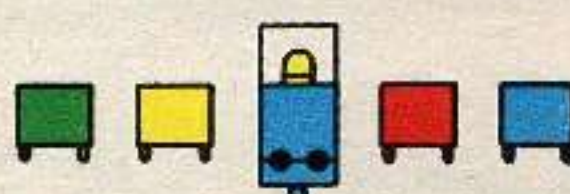
9401

Counter, switch and magnet



9402

Magnet with keeper



9403

Signal lamp with various light covers



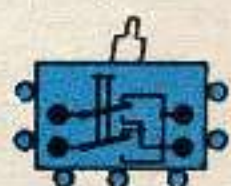
9404

Battery box



9405

Single-pole change-over switch



9406

Reversing switch



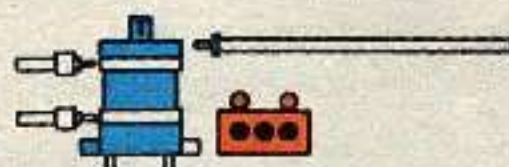
9407

Mechanical counter



9408

Cam disc



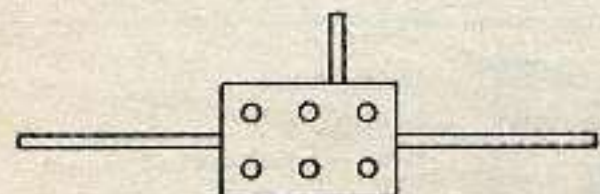
9409

Slip-ring



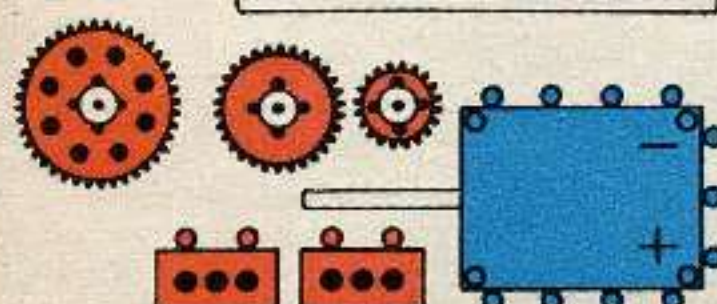
9410

Solenoid switch



9411

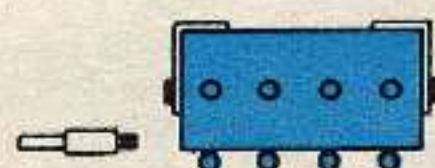
Differential



NEW

9412

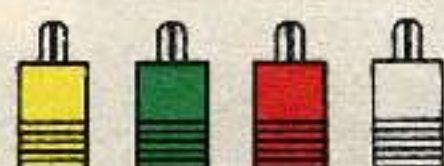
Motor with gear wheels



NEW

9413

Magnet with keeper



9490

Set of plugs · Comprising plugs with side sockets, in the colors yellow, green, red and grey

The F series comprise functional parts for the electro-mechanical extension of the B models. Even "junior designers" can prove their value here without any trouble.



6751 6746 6747

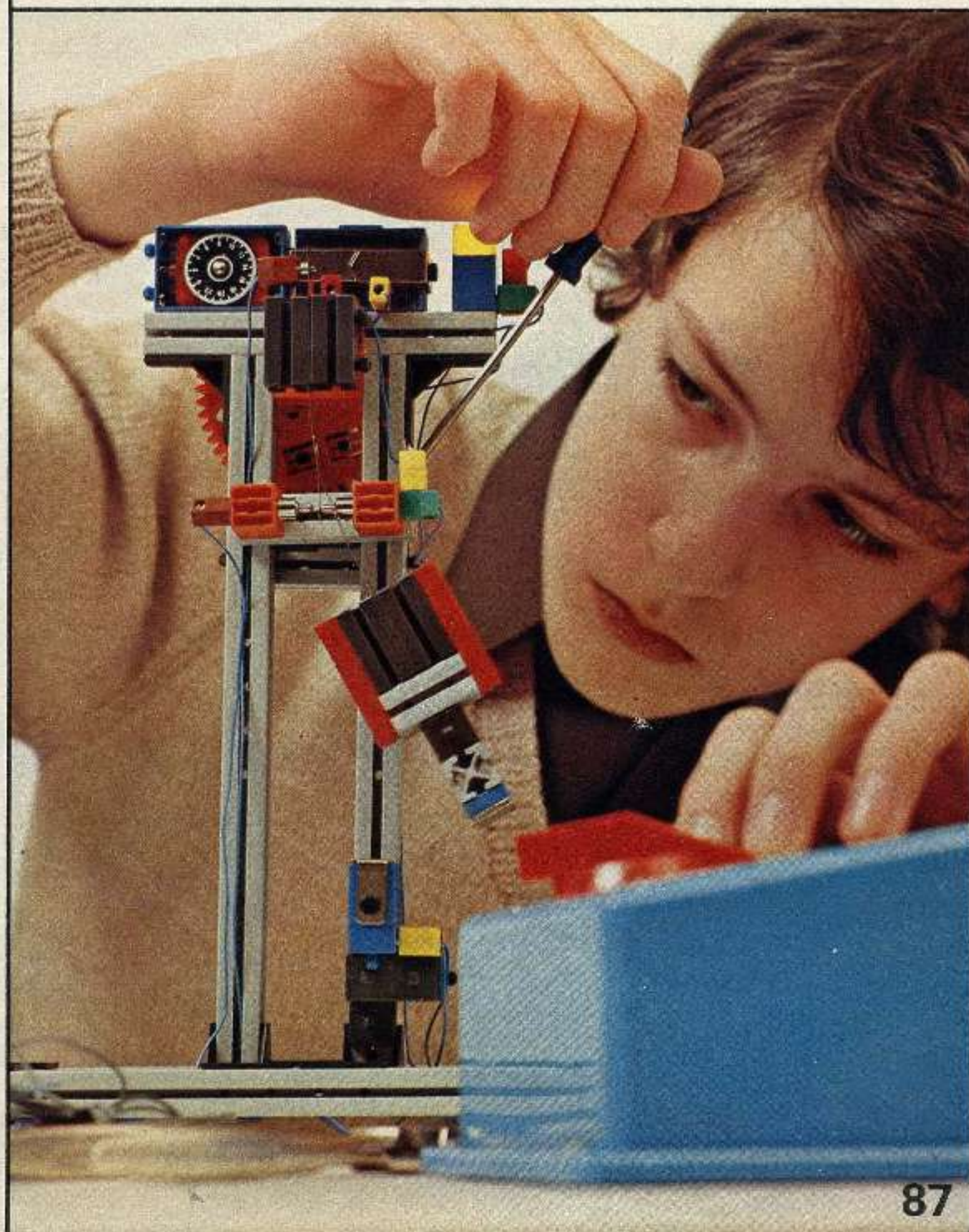
= 220 volt = 110 volt = 110 volt
USA

Adjustable transformer for A.C. · Circuit I adjustable between 0 and 6 V D.C. · Circuit II constant D.C. voltage of 4 V · Each circuit can be loaded up to 1 A · Plastic case · Weight 3 1/4 lb. approx. · Dimensions 5 1/2" x 5" x 3"



9430

Electromechanical functional kit · Comprising mechanical and electrical components such as building blocks, shafts, gear wheels, switches, signal lamps, magnets, etc., for constructing electro-mechanical models · An instruction book is included



Electronic functional parts

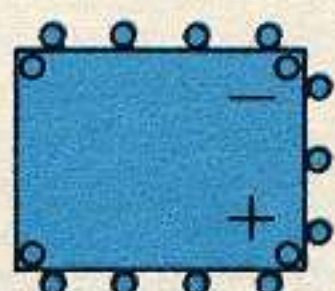
Electronic — the most up-to-date engineering in Märklin plus construction set system

The Märklin plus electronic modules have been created to combine with, and extend, Märklin plus construction sets. These electronic modules can be used for innumerable switching and control functions.

The electronic modules can generate, shape, store and evaluate pulses and generate, modify and reproduce sounds.

The control and regulating functions can be actuated by control elements, switches, magnets, or by changes in temperature, moisture or light.

Märklin plus electronic modules are expected to be available in 1975.



NEW

9480

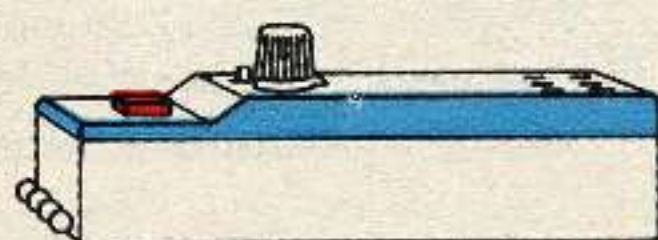
electronic
Charging capacitor



NEW

9481

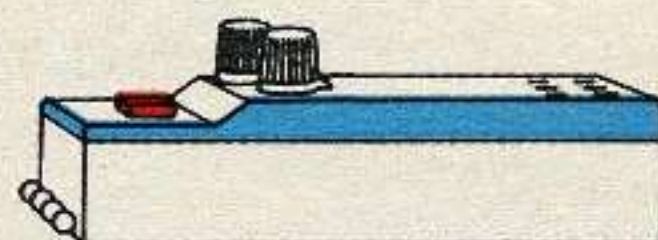
electronic 1
Electronic relay



NEW

9482

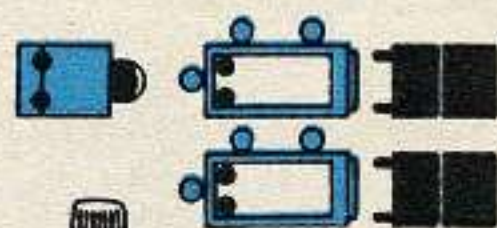
electronic 2
Monostable multivibrator;
bistable multivibrator



NEW

9483

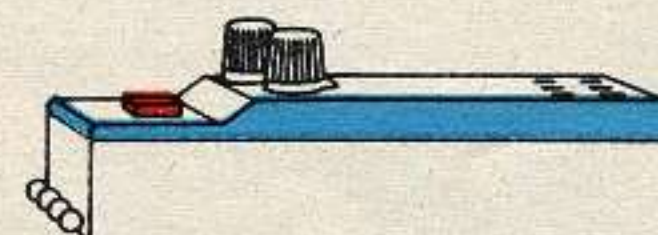
electronic 3
Multiple timer



NEW

9484

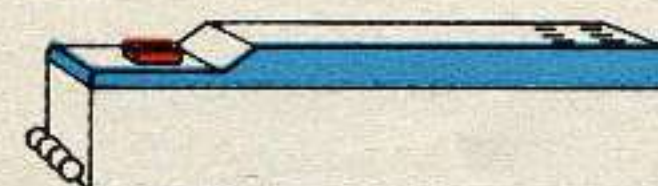
electronic 4
Switching amplifier



NEW

9485

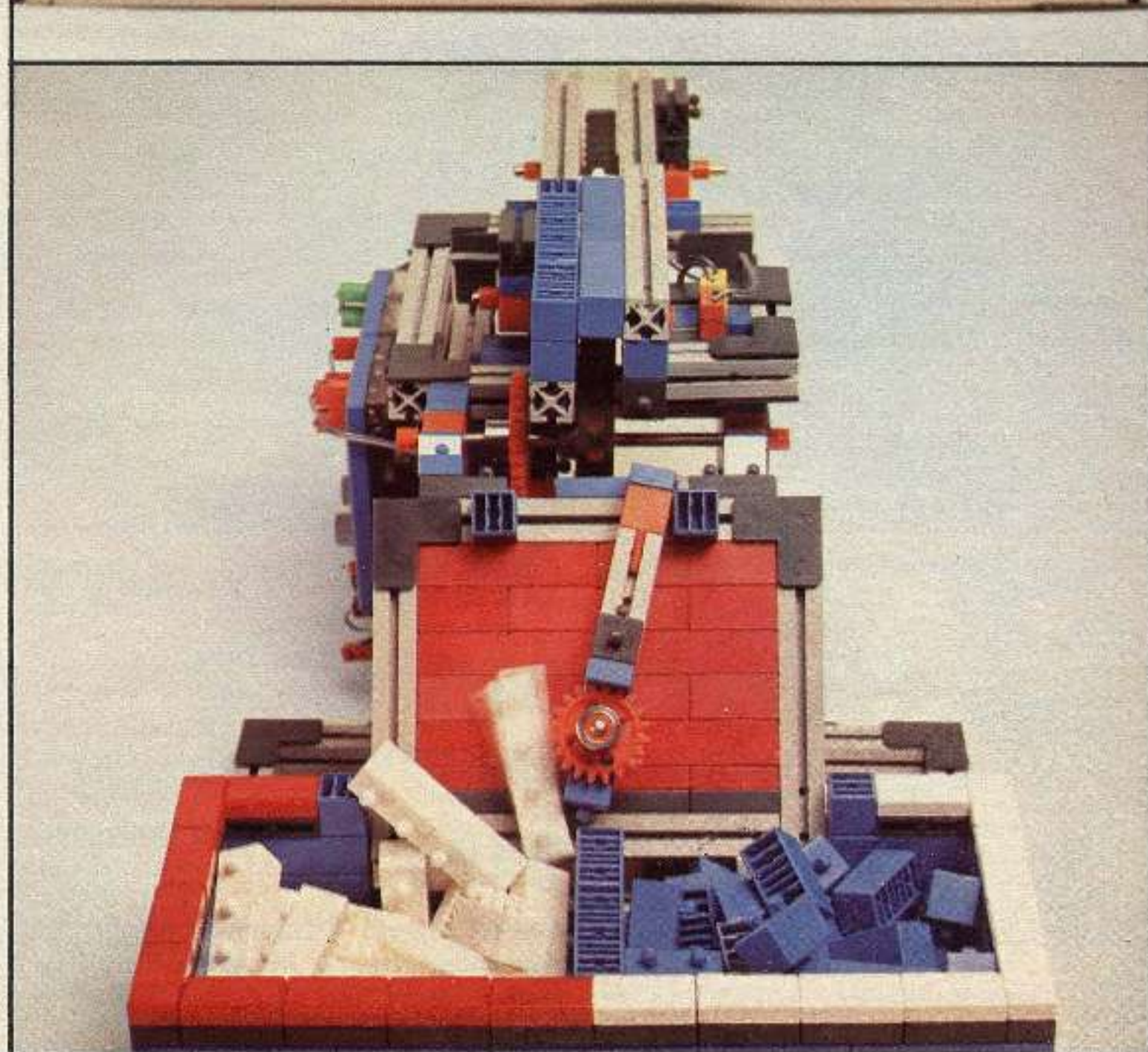
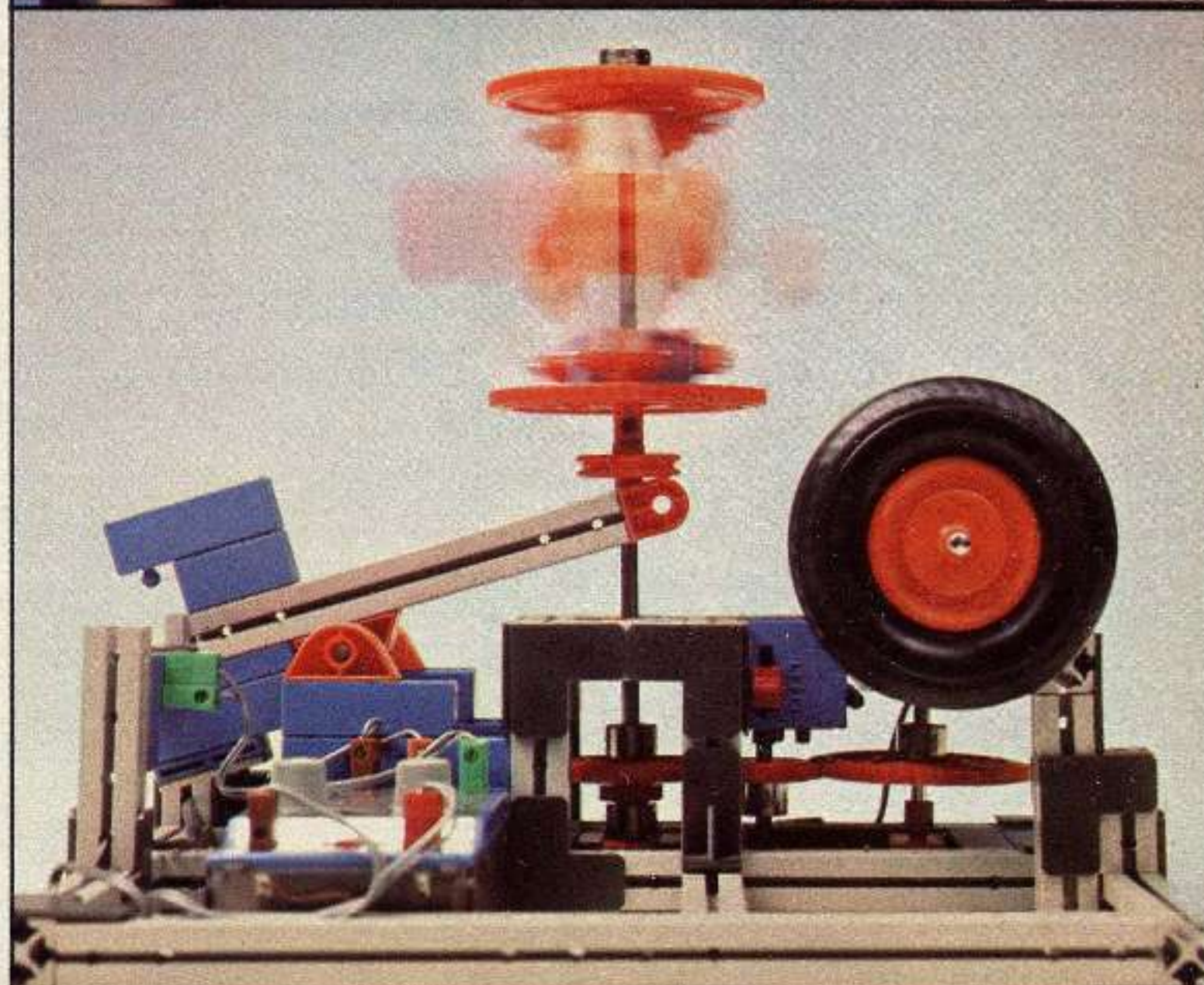
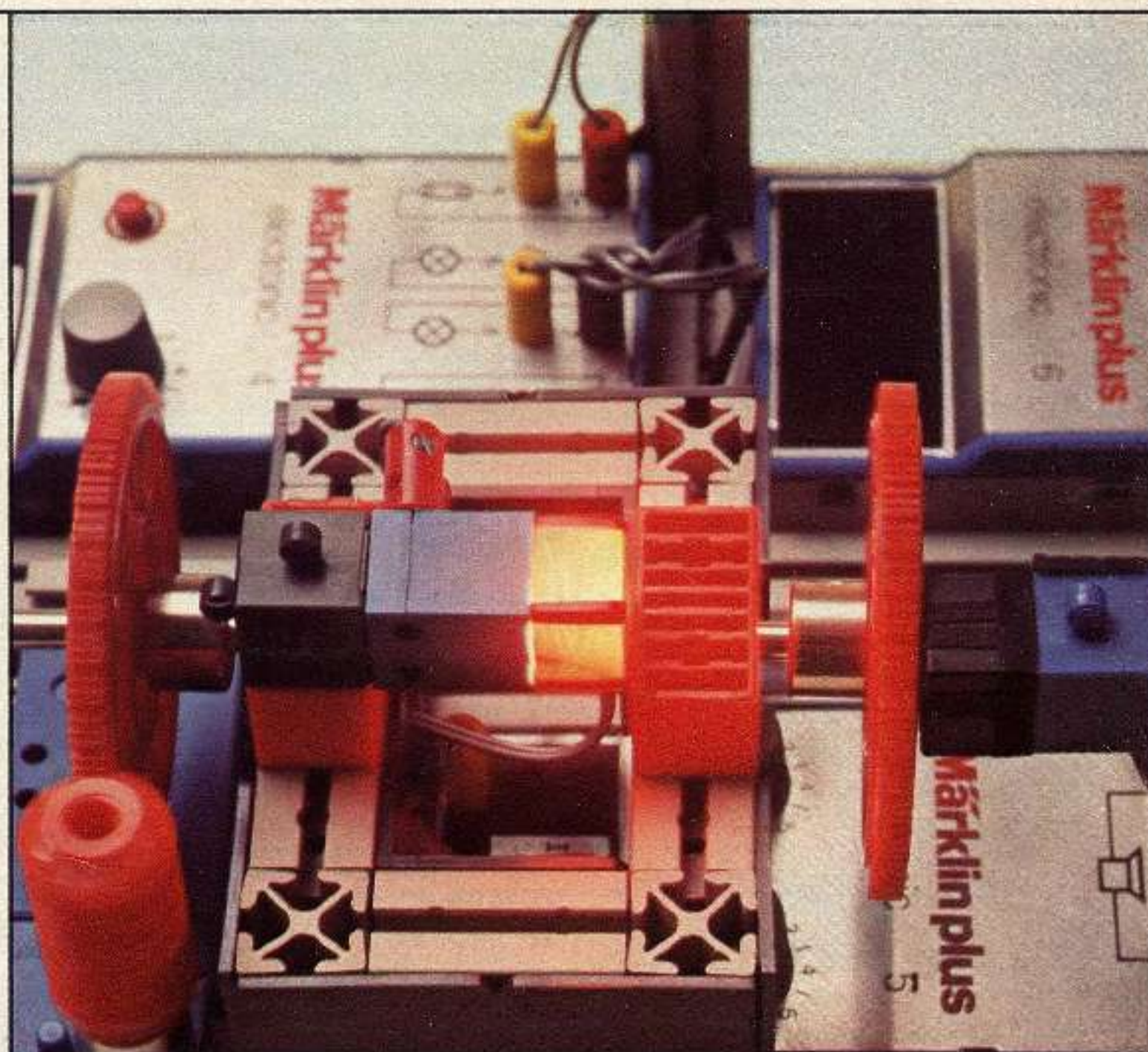
electronic 5
Sound generator — motor regulator



NEW

9486

electronic 6
Loudspeaker



...and the game is inherent in the engineering

Märklinplus

Large building blocks

Large building blocks also fit into the enthusiast's working models

G

Large building blocks for little hands

The blocks are just right for toddlers. Each block also fits precisely in the system as a whole.

9090

Large building block set · Comprising basic and large building blocks of various sizes and colors

9091

Large building block set · Comprising 1 complete truck chassis together with basic and large building blocks of various sizes and colors

9092

Large building block set · Comprising 2 complete truck chassis, together with basic and large building blocks of various sizes and colors





Märklin