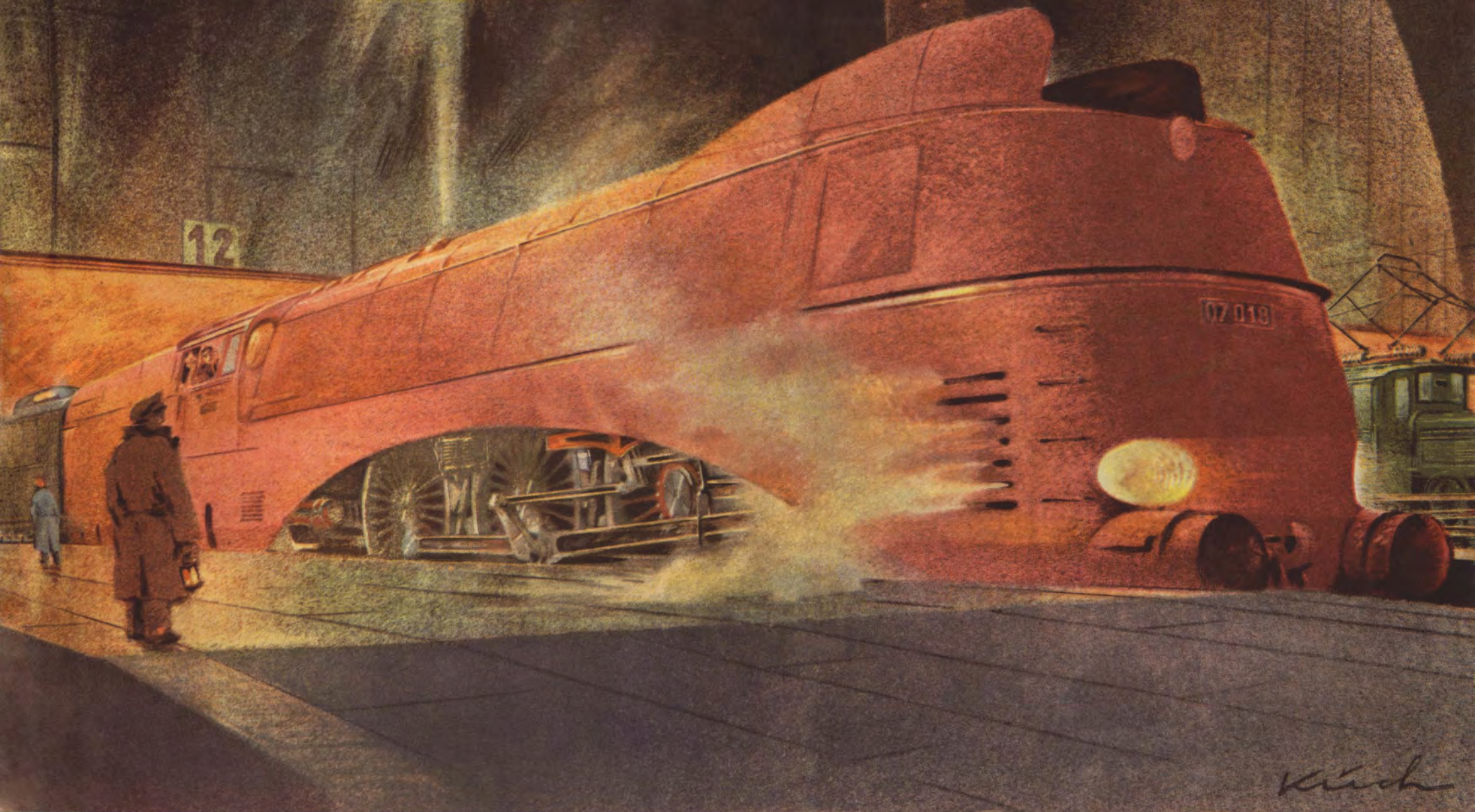


MÄRKLIN



ELECTRIC TABLE RAILWAYS **MÄRKLIN**

Gauge 00 = 16,5 mm (H0)

Sensational developments and innovations:

1. **Elaborate track plans and layouts**
on smallest space.

12 sections of scale track form an oval of only 29½ in. of diameter.

2. **Two trains work independently on the same track,**

both operated by remote control. **Transformers** with new speed regulating device, thermostatic circuit breaker, warning light and connections for accessories. Maximum of safety and dependability.

3. **Remote Control for trains and accessories.**

Turn tables, block signals, level crossings, uncouplers etc. everything operating by electric control at any distance.

4. **Single pole connecting wires.**

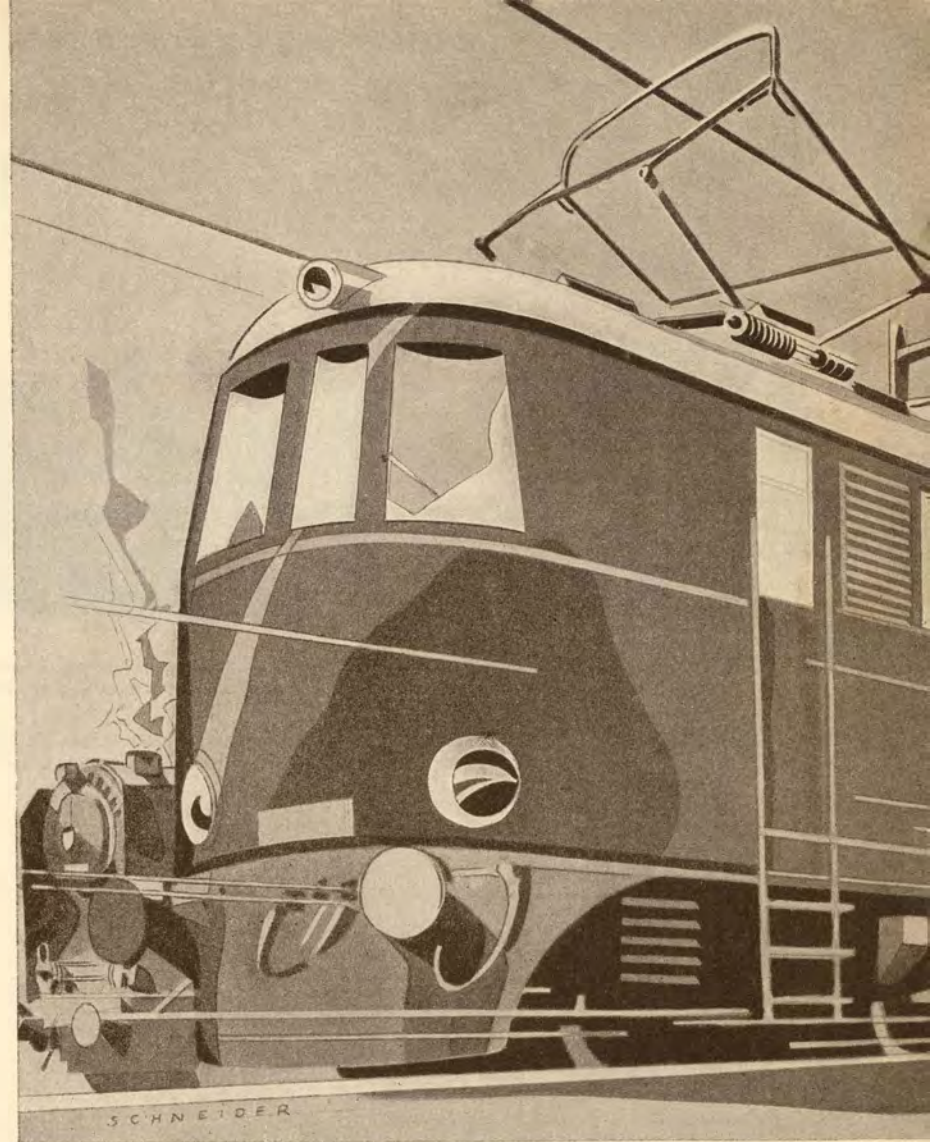
The latest innovation. Simplifying the connecting of tracks, accessories etc. A leaflet providing instructions for the new system is supplied with every connecting board.

5. **Third rail track and overhead wire**

guarantee incomparable conductivity. Just like real electric railroading. Any kind of track plan including reversing loops can be realised without risk of short circuit troubles. Scale railroad track, realistic roadbed, embossed ballast grit and multiple number of ties. New switches of highest engineering precision by remote control, crossings etc. create a most realistic and dependable layout. Outstanding quality withstanding rough handling and minimizing distortion.

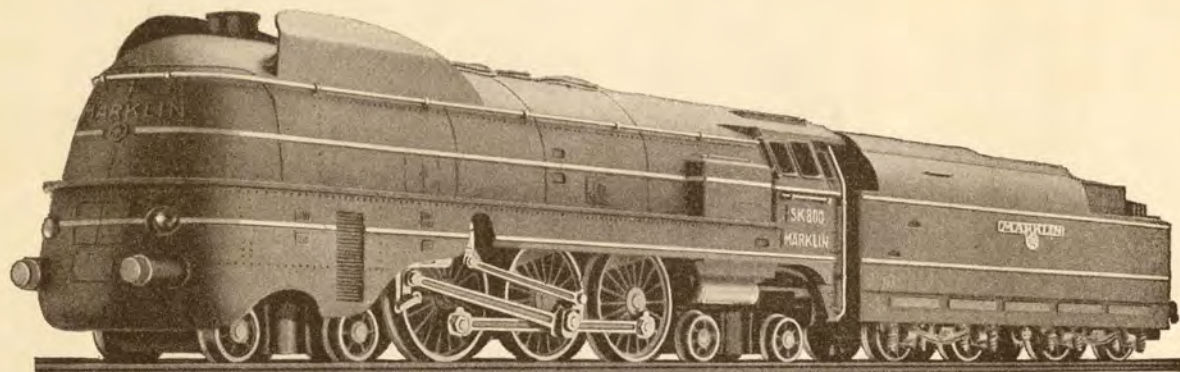
6. **Locomotives and rolling stock.**

A fine array of locomotives and cars, master pieces of accurate workmanship, perfectly engineered proportions. In every detail true reproductions. Maximum wear and great durability are the main features of the new MÄRKLIN Super Models.



The transformers are made for **alternating current** only and cannot be used on direct current. Inverters for direct current are not manufactured at the present time.

00

MARKLIN**SUPER MODELS 00 Gauge (16,5 mm) 20 Volts***Faithful Reproductions, Great Precision, Perfect Reverse***SK 800 N**

Many railroad companies have in the recent years purchased or built streamlined steam engines to haul their heavy crack passenger trains. One of the best examples of this type is the 4—8—4 streamliner of the German State Railways which reaches speeds up to 130 miles per hour due to its smooth lines.

In order that the model may negotiate the sharp curves of our layout better, we have reconstructed it as a 4—6—4 type. Pilots at both ends insure smooth operation. The exposed wheels and valve gear increase the beauty of the model.

SUPER MODEL SK 800 N

Electric Locomotive (Steam type) with tender, dull black, 4—6—4, tender with 8 wheels, streamlined, breakage-proof body, 2 electric headlights.

Motor with reduction gears, great power, beautifully reproduced valve gears, accurately reproduced drive-wheels, well constructed pilot trucks with spoked wheels and spring support to guard against derailment.

Remote Control for reversing, reliable operation for forward and reverse, also a lever for reversing by hand.

Length with tender including couplers 11 in. (28,6 cm).

Weight about 2 pounds.

SUPER-MODEL HR 800 N

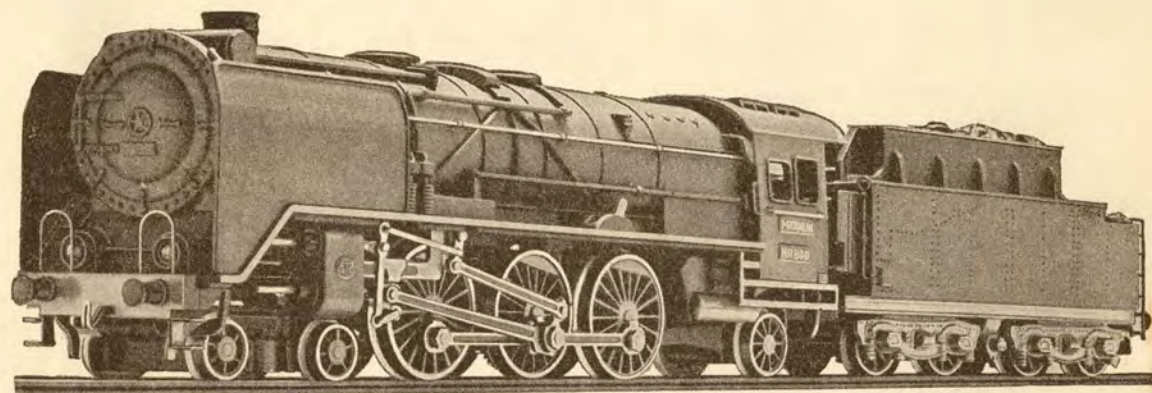
Electric Locomotive (Steam Type) with tender, dull black, 4—6—2, tender with 8 wheels, unbreakable cast body, 2 electric headlights.

Motor with reduction gears, great power, accurately reproduced valve gears and drive wheels, well constructed pilot truck with springs to guard against derailment.

Remote Control for reversing, reliable operation forward and reverse, lever for reversing manually. (At the side of the boiler.)

Length with tender including couplers 11 in. (28,8 cm).

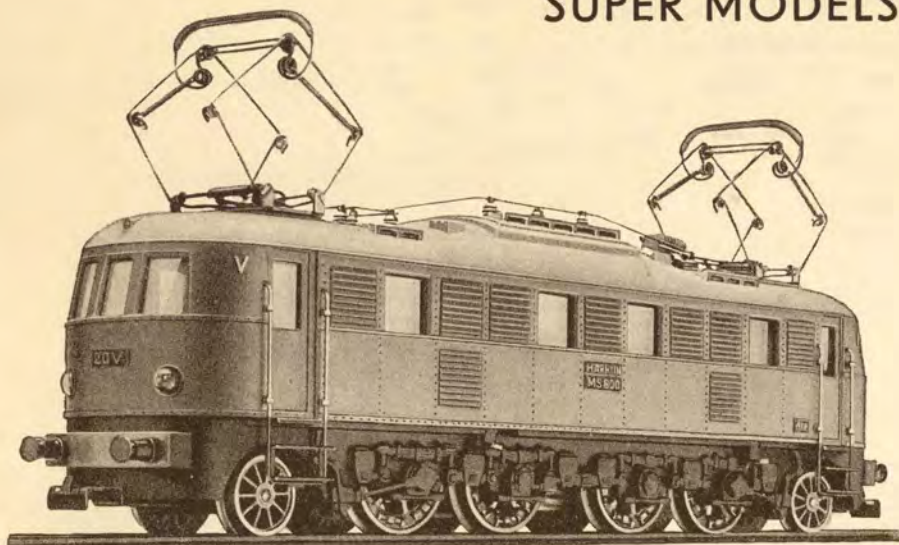
Weight about 2 pounds.

**HR 800 N**

This is a reproduction of one of the most widely used express locomotives. It is a scale model of the 01 series of the German State Railway. Above illustration has been reversed in order to show all the details. The pumps, whistle, and smoke deflectors can be clearly seen in the illustration. The beauty of the model is further enhanced by the new and improved wheels, the pretty valve motion, and the new headlights. The tender has new cast trucks with spoked wheels. Further details at the left.

The transformer 270 AN is necessary for connection with the house current. (110, 125 or 220 Volts A.C.)

When ordering, please specify which.



MS 800

On electrified roads an increasing number of streamlined locomotives are being placed into service. The German State Railway now uses a large number of electric engines type E 18 of which the above is a scale model. Such engines are suitable for pulling heavy trains over long hauls and mountainous country. Because the construction allows for some play in the main axles the engine can easily negotiate any curves. This model is one of the great achievements in miniature railroading.

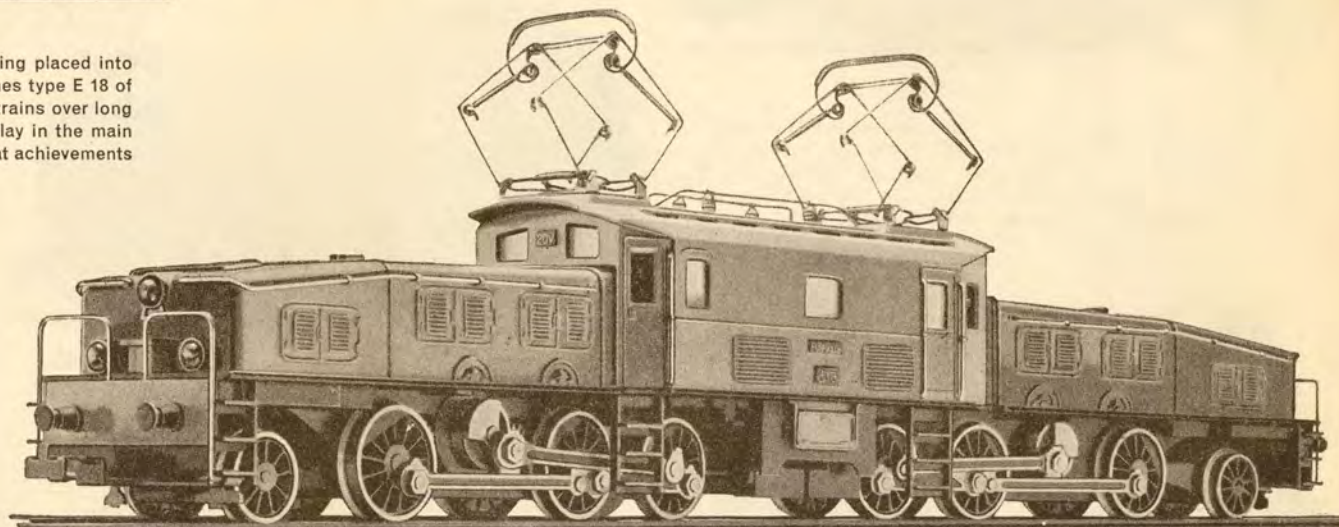
SUPER MODEL CCS 800

Electric Locomotive, green, 2-6-6-2, unbreakable cast body with fine detail, true to scale, red and white lights at both ends which burn according to direction of travel, windows with celluloids. Working scale pantographs. Optional operation from overhead or 3rd rail by means of an inconspicuous lever.

Motor is especially powerful with worm gears driving all 12 drive wheels, reliable operation of the remote control reverse, also reversible through inconspicuous hand lever.

Length including couplers 10½ in.

Weight about 3 pounds.



CCS 800

This is a scale model of the internationally famous Swiss mountain locomotive which pulls long freight and passenger trains over difficult terrain, especially the Gotthard Line where it must master many curves and tunnels in addition to heavy grades. The engine is built in 3 sections so that it may adapt itself to the sharp curves. This fact has given it the nick name of "Alligator".

Our model is also built in this manner. It therefore can negotiate the sharpest curves without trouble. The prettiest sight in model railroading is to observe the operation of this model, especially in slow motion. One may then marvel at the operation of the drive shafts.

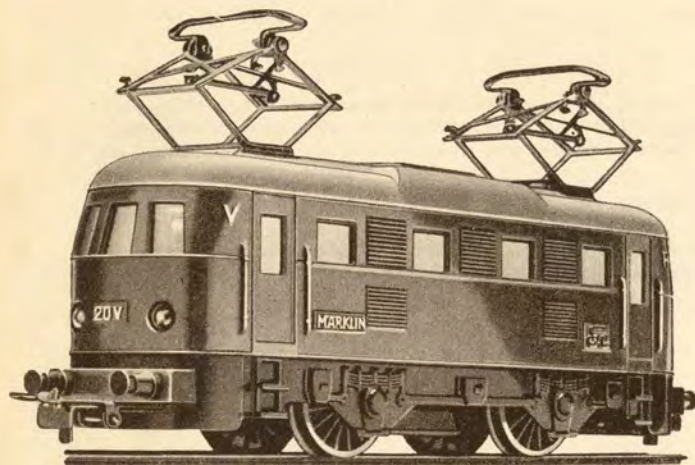
The transformer 270 AN is necessary for connection with the house current. (110, 125 or 220 Volts A. C.)

When ordering, please specify which.

00

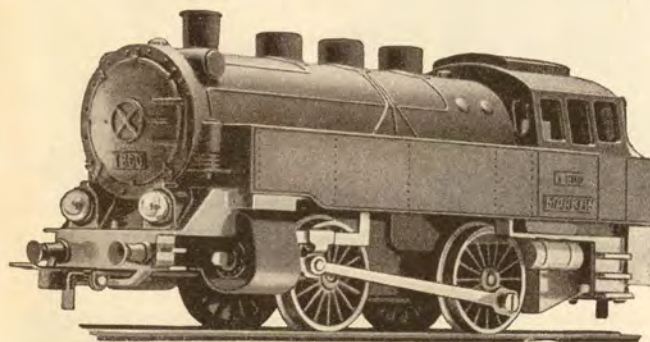
MARKLIN

ELECTRIC LOCOMOTIVES 00 Gauge (16,5 mm) 20 Volts



RS 800 N

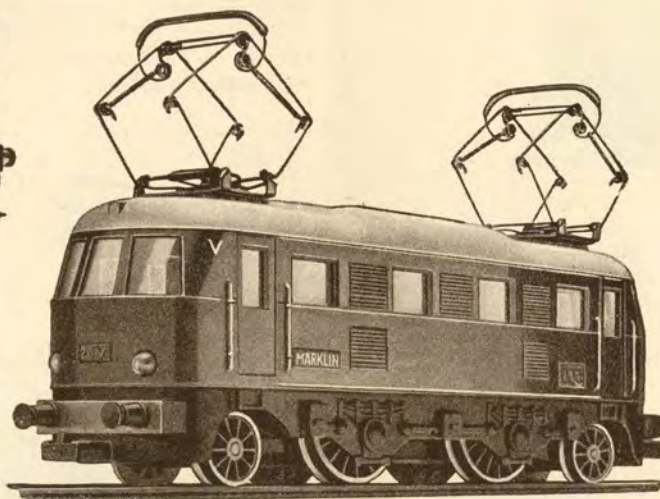
Electric Locomotive 0—4—0, powerful motor, remote control for reversing, optional operation from overhead wire or 3rd rail. Unbreakable cast body, green, small details are finely reproduced, 2 electric headlights, 2 working pantographs. Celluloid windows, The ideal engine for the beginner. Simple operation. Length 5½ in., weight ¾ lb.



T 800

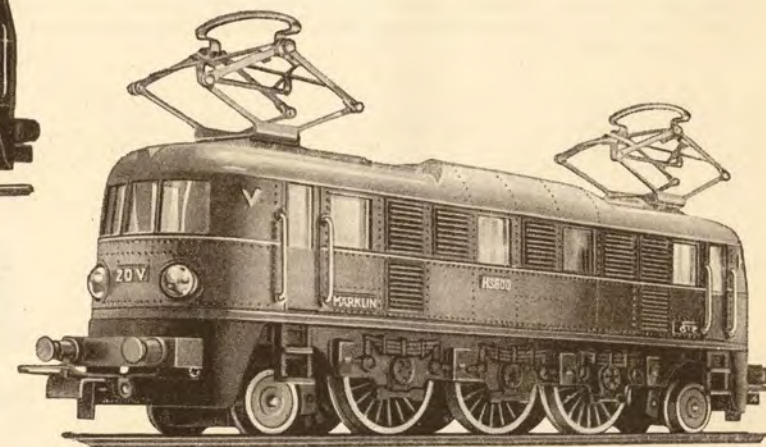
Tender Locomotive with electric motor. Solid construction, great capacity. Remote and manual control for reversing. Unbreakable cast body, black, 2 electric headlights, especially suited as a switcher. Simple operation in a layout containing uncoupling tracks. Length 5½ in., weight about ¾ lb.

These models are somewhat simpler in construction. However they also possess great power, and are reliable in operation and sturdy in construction.



ES 800

Electric Locomotive, 2—4—2 improved motor, remote control, optional operation from overhead or 3rd rail, unbreakable cast body, green, 2 electric headlights, celluloid windows, working new type pantographs. Length including couplers 5½ in., weight about 1 lb.



HS 800

Electric Locomotive, 2—6—2, a simplified model of the German State Railway Electric Locomotive type E 18. Remote and manual control for reversing. Optional operation from overhead wire or 3rd rail, 2 electric headlights. Cast body, green celluloid windows, working pantographs. Length including couplers 6½ in., weight 1½ lbs.

Transformer 270 AN is necessary for connection with the house current

(110, 150 or 220 Volts A.C.).

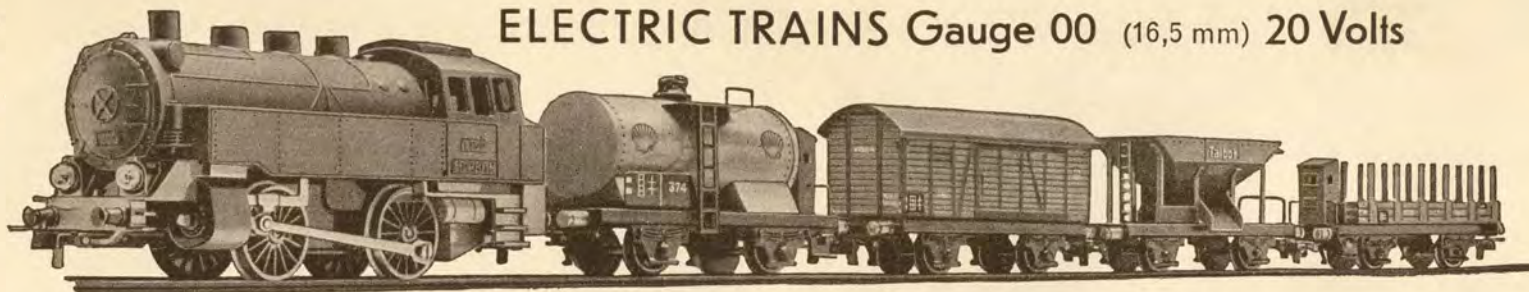
When ordering, please state voltage.

All sets are packed in heavy cardboard boxes.

Detailed Instructions are included.

ELECTRIC TRAINS Gauge 00 (16,5 mm) 20 Volts

00



T 865/4 Freight Train

comprising locomotive T 800, 4 freight cars, oval of 12 curved and 6 straight tracks including connecting track, track layouts booklet. Length of train 20 in.

ES 841/4 Passenger Train

comprising locomotive ES 800, 3 passenger cars 341—343, baggage car 344, oval of 12 curved and 10 straight tracks including connecting track, track layouts booklet. Length of train 35 in.

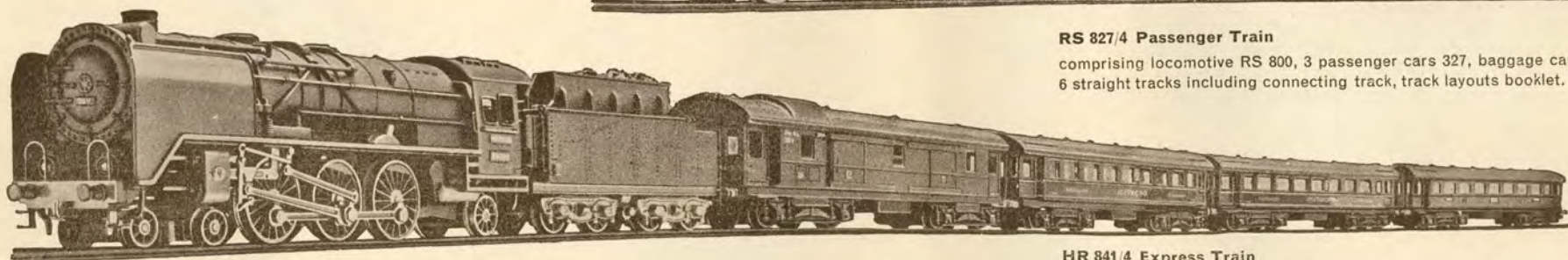
HS 841/4 Express Train

as express train HR 841/4, but with locomotive HS 800.



RS 827/4 Passenger Train

comprising locomotive RS 800, 3 passenger cars 327, baggage car 328, oval of 12 curved and 6 straight tracks including connecting track, track layouts booklet. Length of train 20 in.



HR 841/4 Express Train

comprising locomotive HR 800, 3 passenger cars 341—343, baggage car 344, oval of 14 curved tracks including connecting track, 21 straight tracks, 2 switches, electric blocksignal, 2 push buttons, 2 distributor plates, 5 wires, track layouts booklet. Length of train 43½ in.

SK 851/4 Pullman Train

comprising locomotive SK 800, 4 Pullman cars 351—354, oval of 14 curved tracks including connecting track, 21 straight tracks, 2 switches, push button, distributor plate, 5 wires, track layouts booklet. Length of train 48 in.



The transformer 270 AN is necessary for connection with the house current (110, 125 or 220 Volts A.C.).

When ordering, please state voltage.

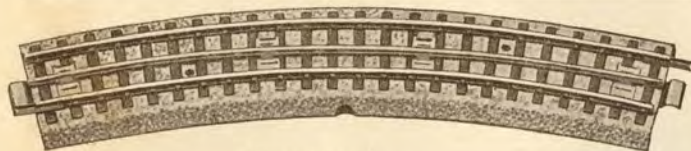
00

MARKLIN

THE NEW MODEL TRACK AND SWITCHES For 00 Gauge

Tracks of galvanized steel, ties with bolts, trouble-free contact tongues, rock ballast road bed.

Extended experimentation have led to the design of the track sections and switches shown here. The pretty road bed together with the large number of ties, creates a true picture of an actual right of way or yard. A circle consists of 12 curved sections and has a diameter of 30 in. including the roadbed.

**Curved Track**

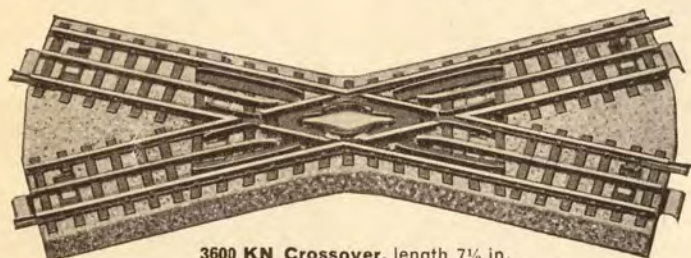
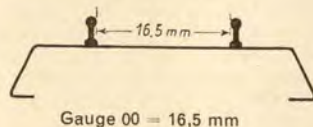
3600 A $\frac{1}{2}$ N length 7 in.
 3600 A $\frac{1}{4}$ N " 3 $\frac{1}{2}$ in.
 3600 A $\frac{1}{8}$ N " 1 $\frac{1}{4}$ in.
 3600 AA N " 7 in.

**Straight Track**

3600 D $\frac{1}{2}$ N length 7 in.
 3600 D $\frac{1}{4}$ N " 3 $\frac{1}{2}$ in.
 3600 D $\frac{1}{8}$ N " 1 $\frac{1}{4}$ in.
 3600 D $\frac{1}{16}$ N " $\frac{7}{8}$ in.
 3600 D $\frac{3}{16}$ N " 1 $\frac{1}{16}$ in.



3600 T Dividing Track, length 1 $\frac{1}{4}$ in. as 3600 D $\frac{1}{4}$ N. For dividing a Gauge 00 track system into various entirely independent circuits.



3600 KN Crossover, length 7 $\frac{1}{2}$ in.

270 AN Transformer

for perfect reverse, rheostat speed control (two zero positions), automatic short circuit cut-out, red control light, press button for reversing, connections for train, lights and electro-magnetic accessories. Capacity 25 VA.

Built and tested under the newest official regulations, therefore absolutely safe in use.

MARKLIN Transformers are supplied for 110, 125 or 220 Volts Alternating Current. Please state voltage when ordering!



MARKLIN-Transformer 270 AN. For Alternating Current only!



Figure 3600/602 - 11 A $\frac{1}{2}$,
 8 D $\frac{1}{2}$, 1 AA.
 Size 4 ft. 10 $\frac{1}{2}$ in. x 2 ft. 6 in.



Figure 3600/603 - 19 A $\frac{1}{2}$,
 4 A $\frac{1}{2}$, 1 K, 1 AA.
 Size 5 ft. x 2 ft. 6 in.



Figure 3600/604 - 13 A $\frac{1}{2}$,
 12 D $\frac{1}{2}$, 1 pair points 3600 W,
 1 AA. Size 6 ft. x 2 ft. 6 in.



Figure 3600/605 - 11 A $\frac{1}{2}$, 10 D $\frac{1}{2}$,
 1 D $\frac{1}{4}$, 1 pair points 3600 W, 1 AA,
 Size 4 ft. 10 $\frac{1}{2}$ in. x 2 ft. 9 $\frac{1}{2}$ in.



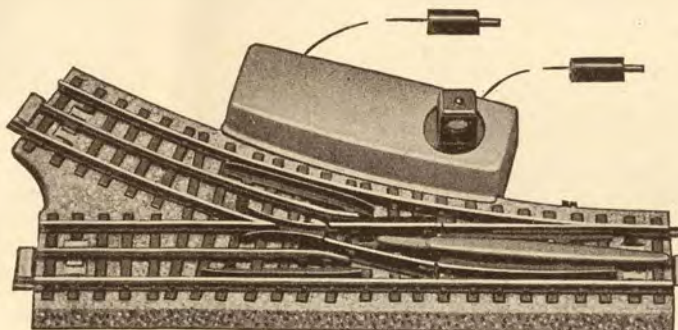
Figure 3600/606 - 19 A $\frac{1}{2}$,
 4 A $\frac{1}{2}$, 6 D $\frac{1}{2}$, 1 K, 1 AA.
 Size 6 ft. 9 in. x 2 ft. 6 in.



Figure 3600/609 - Reversing Loop.
 13 A $\frac{1}{2}$, 10 D $\frac{1}{2}$, 2 D $\frac{1}{4}$, 2 right-hand points
 3600 WR, 1 AA. Size 5 ft. 4 in. x 2 ft. 6 in.



Figure 3600/610 - 21 A $\frac{1}{2}$, 15 D $\frac{1}{2}$,
 6 D $\frac{1}{4}$, 3 D $\frac{1}{8}$, 2 D $\frac{1}{16}$, 2 pair points
 3600 W, 1 AA. Size 5 ft. 11 in. x 3 ft. 3 in.



3600 MWN Electro Magnetic Switches (pair), length 7 in. each. Ground-sockets, black cables for operation, yellow cables for lights in lantern, both with plugs, perfectly reliable operation.

The points are held to the outside rails by soft springs. Derailment is impossible. Even a light vehicle may pass over a closed switch; afterwards the switch returns to its original position.

3600 WN Switches for Manual Operation (pair). Faithful reproduction, with center piece etc. Lanterns without electric lights. Length 7 in. each.

763 Track Layouts,

Gauge 00, 24 pages, 8 $\frac{1}{4}$ x 12 in.

Only published in German.



310 Caboose
green, one door open, the other closed, length 3¾ in.



311 Open goods Wagon
brown or grey, length 3¾ in.



312 Closed goods Wagon
Box Car, international model with flat roof, length 3¾ in.

316 Same with brakeman's cabin, brown, length 4 in.



314 Tank Car
with brakeman's cabin, battleship grey, many details, length 4 in.

314 "ESSO"
Same with ESSO markings.



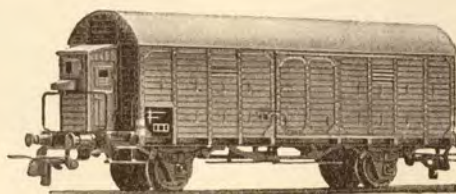
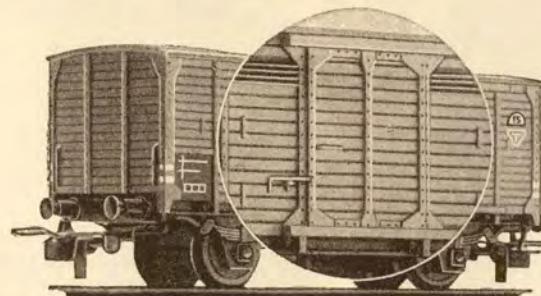
315 Open goods Wagon
with brakeman's cabin, brown, length 4 in.

FREIGHT CARS AND GOODS WAGONS 00 Gauge

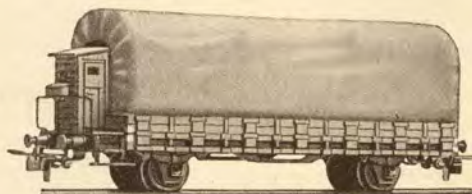
MÄRKLIN

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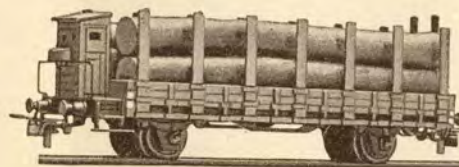
*B*efore one has held one of these models in his hand one can have no idea of their beauty. Instinctively one will take a looking glass and notice details which were hardly recognizable with the bare eye. See how carefully the cracks, grabirons, locks, and brakemens' cabins have been reproduced. Even the most spoiled model rail road fan will be delighted. Even the paint job has been chosen with much taste and skill.



320 Closed Goods Wagon
with round roof and brakeman's cabin, length 4¾ in.

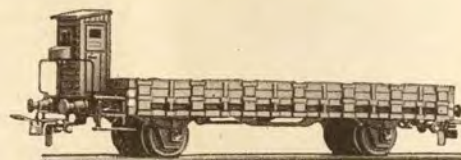


322 Covered Wagon
with brakeman's cabin, white canvas, length 4¾ in. brown.



321 G Lumber Wagon
brown, with brakeman's cabin, with lumber, length 4¾ in.

321
same without lumber.



323 Gravel Car
brown, with brakeman's cabin, length 4¾ in.



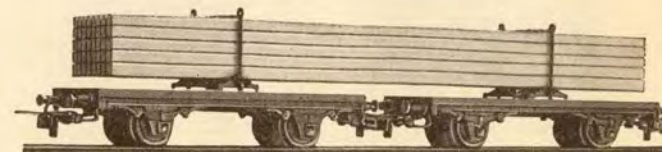
324 Refrigerator Car
with brakeman's cabin, white, length 4¾ in.



325 Beer Wagon
with brakeman's cabin, white, length 4¾ in.

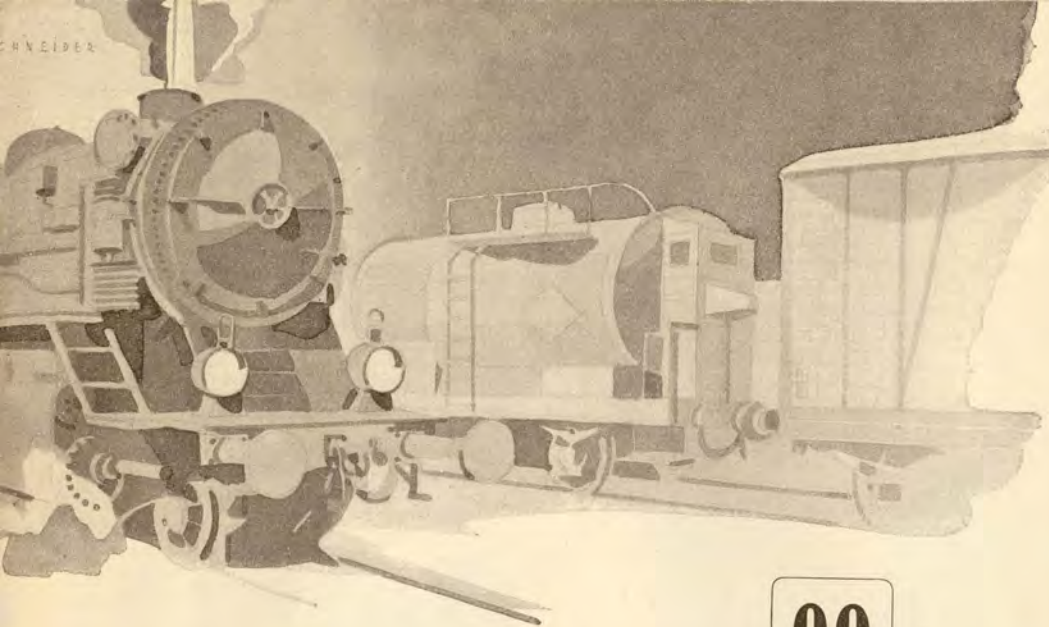


326 Banana Wagon
with brakeman's cabin, yellow, length 4¾ in.



361 G Long Lumber Car
loaded, twin, black, length 7½ in.

The SUPER MODEL FREIGHTS go beautifully with our SUPER MODEL Locomotives. In order to enable the smaller engines to haul a long string of these cars, it is advisable to oil the axles slightly with the finest sewing machine type oil.



MÄRKLIN

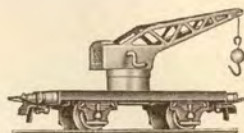
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362 Side Tipping Wagon
Red, tips to either side of the track, with locking device length 3½ in.



364 Open Goods Truck
Brown, low sides, length 3½ in.



366 Crane Truck
with revolving jib, winding gear, aluminium coloured, length 3½ in.



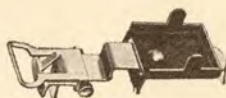
390 Goods Brake Van
green, with sliding doors, length 3½ in.



367 Hopper Wagon
Talbot type, brown, cast metal, length 3½ in.



386 Poultry Wagon
red, with laminated walls, length 3½ in.



The New Coupling

FREIGHT CARS 00 Gauge

Simpler Construction, pressed Steel



371 Open Goods Truck
brown, with brakeman's cabin, length 3¾ in.



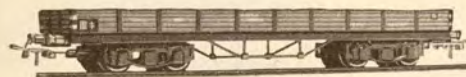
372 G Timber Truck
brown, with brakeman's cabin, loaded with timber, length 3¾ in.



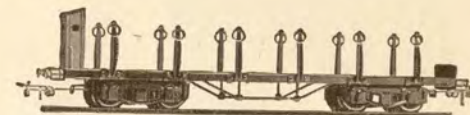
374 S Petrol Truck
yellow, lettered "SHELL", with brakeman's cabin, length 3¾ in.

374 ESSO
As above, silver painted, lettered "ESSO".

372
As above, without timber.



391 Low Sided Goods Truck
bogie type, brown, length 7 in.



392 Timber Truck
bogie type, brown, with brakeman's cabin, length 7 in.



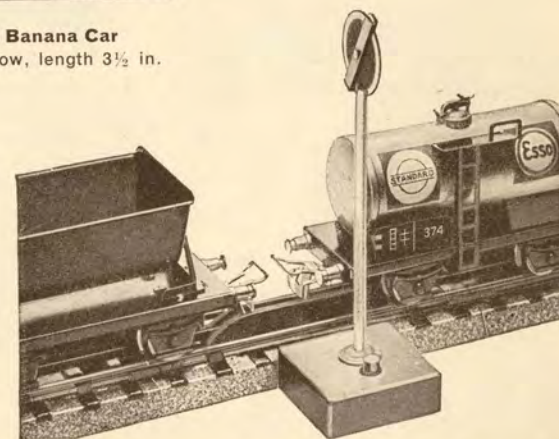
381 Box Car
brown, length 3½ in.



382 Banana Car
yellow, length 3½ in.

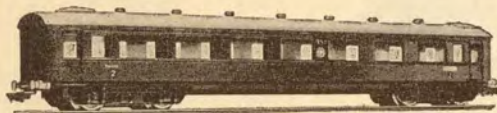
All MÄRKLIN Locomotives and Cars are fitted with the automatic coupling, which has three main advantages:

- 1) All cars have the same couplings at both ends, so that the coupling is absolutely independent of the direction of the train.
- 2) Uncoupling, and shunting etc. can be made from a running train, and it does not matter in which direction the train is proceeding.
- 3) Trucks can also be uncoupled from a train at rest.



Uncoupling Rail in action: The uncoupling ramp has risen and the couplings are disengaged. For the new Uncoupler Rail Section 3600 EKN see page 10.

PULLMAN CARS Gauge 00



351 Passenger Coach

green, cut-out windows with celluloid panes, removable roof, length 9 in.



352 Dining Car

red, cut-out windows with celluloid panes, removable roof, length 9 in.

352 J Dining Car

as above, international finish, blue.

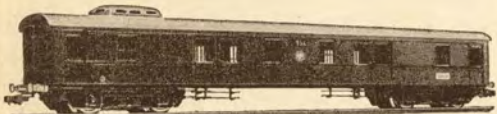


353 Sleeping Car

red, cut-out windows with celluloid panes, removable roof, length 9 in.

353 J Sleeping Car

as above, international finish, blue.



354 Luggage Van

green, cut-out windows, removable roof, sliding doors, length 9 in.

354 J Luggage Van

as above, international finish, blue.

354 B Luggage Van

with lights and contacts for train lighting.

Modern coaches on bogies

Accurately modelled and coloured

00

PASSENGER CARS AND LUGGAGE VANS Gauge 00



341 Passenger Car

green, bogie type, cut-out windows with celluloid panes, length 7 in.



343 Sleeping Car

red, bogie type, cut-out windows with celluloid panes, length 7 in.

343 J Sleeping Car, as above, blue.



342 Dining Car

red, bogie type, cut-out windows with celluloid panes, length 7 in.

342 J Dining Car

as above, blue.



344 Luggage Van

green, bogie type, with sliding doors, length 7 in.

344 J Luggage Van

as above, blue.

344 B Luggage Van

as above, with lights and contacts for train lighting.



327 Passenger Car

green, 4 wheeler, cut-out windows, length 4½ in.



328 Luggage Van

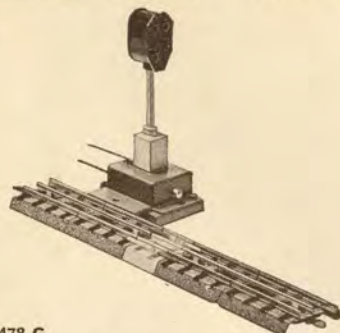
green, 4 wheeler, with sliding doors, length 4½ in.



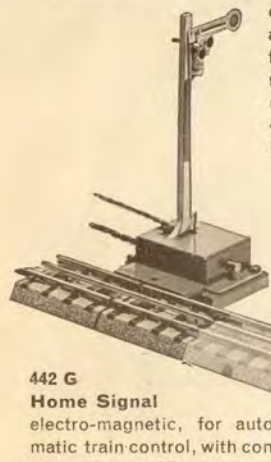
00

MÄRKLIN**SIGNALS AND RAILWAY ACCESSORIES Gauge 00**

436 Distant Signal
with electro-magnet and
lights (2 bulbs 495),
cables with metal plugs,
height 3 1/4 in.



478 G Daylight Signal
electromagnetic, for automatic train
control, with contact rail 3600 KP
and interrupter rail 3600 U suitable
for trains with overhead or centre
rail current pick up, cables with
metal plugs, 1 red and 1 green bulb
499 which light up 2 signal windows.
Height 4 1/4 in.



442 G Home Signal
electro-magnetic, for auto-
matic train control, with con-
tact rail 3600 KP and inter-
rupter rail 3600 U, suitable for trains with overhead or
centre rail current pick up, cables with metal plugs, height
4 3/4 in.

3600 KP Contact Rail
for signals 442 G and 478 G.
3600 U Interrupter Rail
for signals 442 G and 478 G.



440 Home Signal
hand operated, with
lever, height 4 in.

473 G Signal Box
with 6 connections and interior lighting
(2 bulbs 499 clear). Size 5 1/4 x 2 1/2 x 4 in.



484/1 Coach Lighting suitable for
coaches 341-344, 327 and 328, with
bulb 495 and cable with metal plugs.



435 Distant Signal
hand operated, with
lever, height 2 1/2 in.



431 Signal Boards
height 1 1/4 in. each.



432 Signal Board,
1 in. height



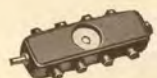
469 Station Master
electro-magnetic, lifts
up signal disc as the
light shows, with bulb
499. Base 4 x 2 in.,
height 2 1/2 in.



474/4 Control Plate
for operating switches, signals etc.
With 4 single pole sockets. Size
3 1/4 x 1 1/2 in.



410 M Turntable
electrically operated, for
connection to control tower or control plate.
When the button is pressed the turntable auto-
matically turns to the next track connection.
With 6 track connections of which 3 are conti-
nuously in circuit, while the others only receive
current when the turntable is in the appropriate
position. Red signal light shows while turntable
is in motion. With 20 in. of cable for the electro-
magnet. To connect the motor, cable 490/1 or
490/2 is necessary. Diameter of moving table
11 1/2 in., overall diameter 13 1/2 in.



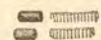
470 Distributor Plate
with 9 single pole sockets, 2 1/4 x 1 in.



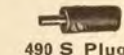
471 Distributor Plate
with 5 double pole sockets,
2 1/2 x 1 1/2 in.



472 Control Plate
for operating 2 electromagnetic
accessories, 2 1/2 x 1 1/2 in.



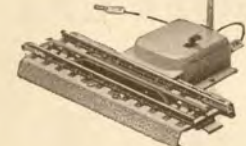
497 G Graphite Brush
497 K Copper Brush
Use one each of these brushes for
Gauge 00 locomotives.



490 S Plug

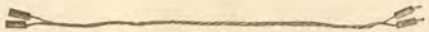


490 M Socket
for cables
Gauge 00



**3500 EKN Uncoupler Rail
Section**
to be connected to control plate
or control tower, electromag-
netic and illuminated, with cable
and plug, length as track section
3600 D 1/2 N. The signal is 4 in.
high and shows the location of
the uncoupler section in even
the largest layout.

Signals 442 G and 478 G can be inserted into the track
system in such a way that when the signal is at "line
clear" (green light) the train will pass, but when the
signal is at "stop" (red light) the train will stop before
it, until it is set again at "line clear".



490/1 Cable
with 2 contacts,
length 40 in.



**485 Miniature
Bulb**, 20 volts,
with special new
socket, diame-
ter of bulb 4 mm
clear or red.

490/2 Cable
with 2 contacts,
length 80 in.



**495 Miniature
Bulb**, 20 volts,
5 mm screw
fitting, diameter
of bulb 6 mm,
clear, red and
green.



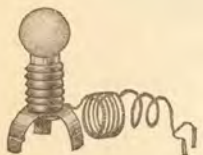
**499 Miniature
Bulb**, 20 volts,
5 mm screw
fitting, diameter
of bulb 9 mm,
clear, white, red
and green.



448/1 Arc Lamp
with white bulb
499, cable with
metal plugs,
height 5 in.



448/2 Arc Lamp
with 2 white
bulbs 499, cable
with metal plugs
height 5 in.



481 Station Light
for the illumination of
stations etc. With bulb
499.



434/2 Coach Lighting
suitable for coaches 351-354, with 2 bulbs 495 and
cable with metal plugs.

An instruction booklet has been printed for
the new single-pole system; it is illustrated
and easy to understand.

RAILWAY ACCESSORIES Gauge 00

MARKLIN

00



422 Station Platform
with seat, corrugated roof, base
8×1¼ in., height 3 in.



463 Revolving Crane
crane house revolving on base,
crank for moving jib and winch.
Base 2¼×2¼×1 in., length of
jib 5 in.



464 Travelling Crane
mounted on wheels, revolving crane
house, cranks for moving jib and winch.
Frame 4×3½ in., height excluding jib
6 in., length of jib 5 in.

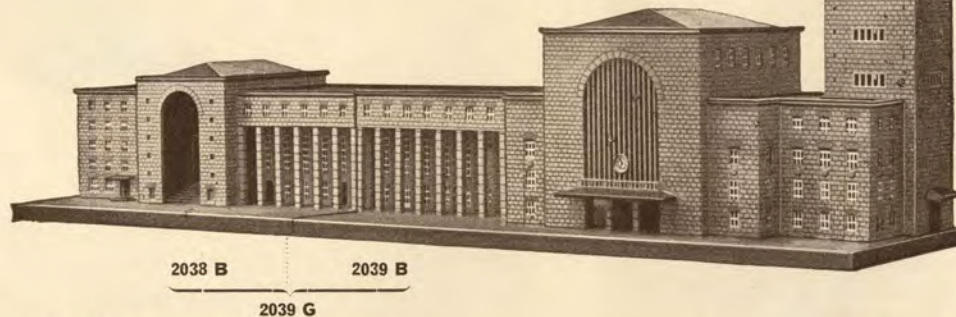


428 Goods Station
with 2 sliding doors,
base 6×3½ in., height
3 in.



467 Bridge
with fixed rails, length
7 in. as 3600 D.

429 Loading Platform
with moving crane,
5¼×3½ in.

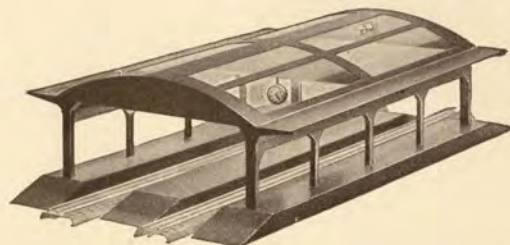


2039 G Station

modelled after the station at Stuttgart, consisting of the stations 2038 B and 2039 B. Total length 33 in., breadth 8 in., height of tower 14 in.

2038 B Station, left part of illustration, electrically illuminated, 2 lamps 20 volts with connecting cables and plugs, stamped walls, cut-out windows, entrance hall with celluloid window, passage, removable roofs etc. Base 14×8 in., height 7 in.

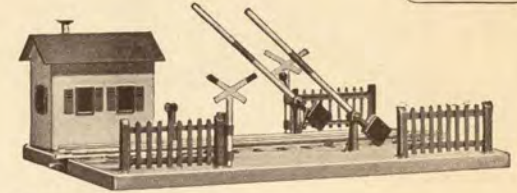
2039 B Station, right part of illustration, electrically illuminated, 3 lamps 20 volts with connecting cables and plugs, finished otherwise as 2038 B. Base 19×8 in., height of tower 14 in.



424 B Covered Station Platform
with luggage platform, non-inflammable roof, electrically illu-
minated, 2 lamps 20 volts. Base 20×10 in., height 5 in.



414 Station
cut-out windows, 2 doors to open, centre
window with celluloid panes and clock.
Base 10×5 in., height 3¾ in.



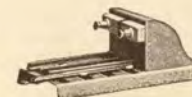
458 EM Level Crossing
barrier operated by electro-magnet, warning signal
with red bulb, cable with metal plugs, complete with
rails, 7×5 in.



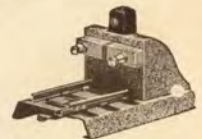
444 Footbridge
with 2 moving signals,
length 7¾ in. Height with
signals 5½ in.



**455 Crossing Keepers
Hut**
movable signal and barrier,
hut with cut-out windows,
base 4×3 in., height with
signal 4½ in.



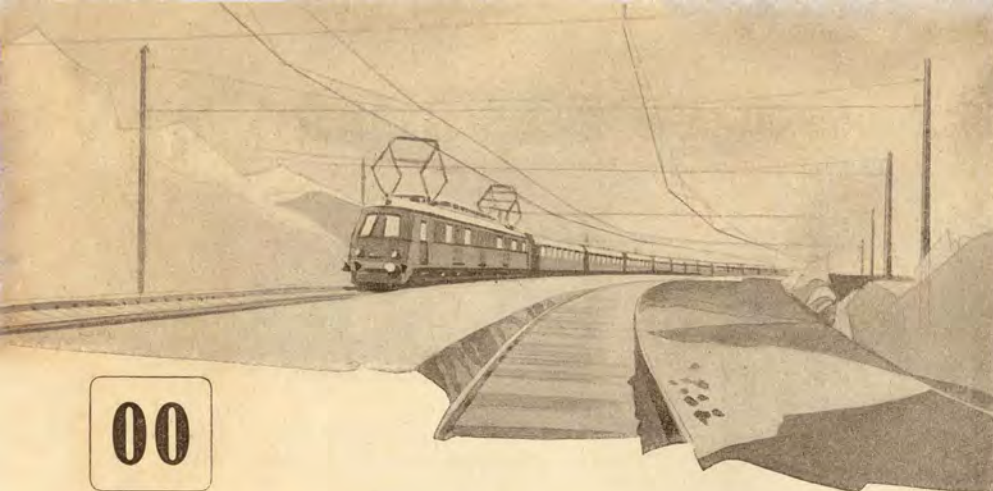
462 Bumper
stamped base with rails,
length 2½ in.



462 B Bumper
as 462, with red signal light
(red bulb 495) and cable
with metal plugs.



418 Station
with tower and veranda, cut-outs window, 2 doors
to open, clock and veranda windows with celluloid
panes. Base 13¾×4¾ in., height 6 in.



00

Two independent trains on Three-rail track and Overhead line

The accurate design and realistic finish of all parts of our electric gauge 00 miniature railway and especially the overhead power feed locomotives which take their current from spring pantographs, well shaped masts, and the overhead rail of flat nickelled metalised strips, result in the achievement of a high standard of similarity to the working practice of real railways.

When two trains are to be controlled, one train takes its current from the centre rail, and the other train receives current from the overhead rail. In the latter case the current runs through the connecting set to the connection mast, and from this through the overhead pantograph of the locomotive to the locomotive motor; from here the current runs through the body of the motor, through the wheels to the running rails, thence through the body of the rail and foot of the connecting mast back to the connecting apparatus. In the case of trains taking their current from the centre rail the locomotive takes the current through the insulated centre rail, and the current takes the following path, — connecting apparatus, connecting rail, — centre rail, — locomotive shoe, locomotive motor, — and back by way of the body of the motor, — wheels, — running rails, — body of the rails to the connecting apparatus. Two overhead power feed locomotives can also be independently controlled on one rail because the current collectors of these locos can be switched over to take the current from either the overhead rail or the centre rail. These two methods of current feed result in the greatest possible reliability especially also as the result of the locomotives being fitted with "Perfect Reverse".

All track figures can be used for centre rail or overhead drive, even those with reversing loops. The erection of the masts and assembly of the overhead rails present no difficulties, not even over points and crossings, as suitable overhead rail pieces are available. Any existing rail system can have overhead rails installed.

The New One-Pole System

simplifies the construction of every lay-out and rules out any misconnection. The basic advantages of this system are:



Simplified connections through colour coated cables. Clear view over the construction of the entire set-up. Impossibility of short circuits, as the metal plugs can no longer come into touch with one another.

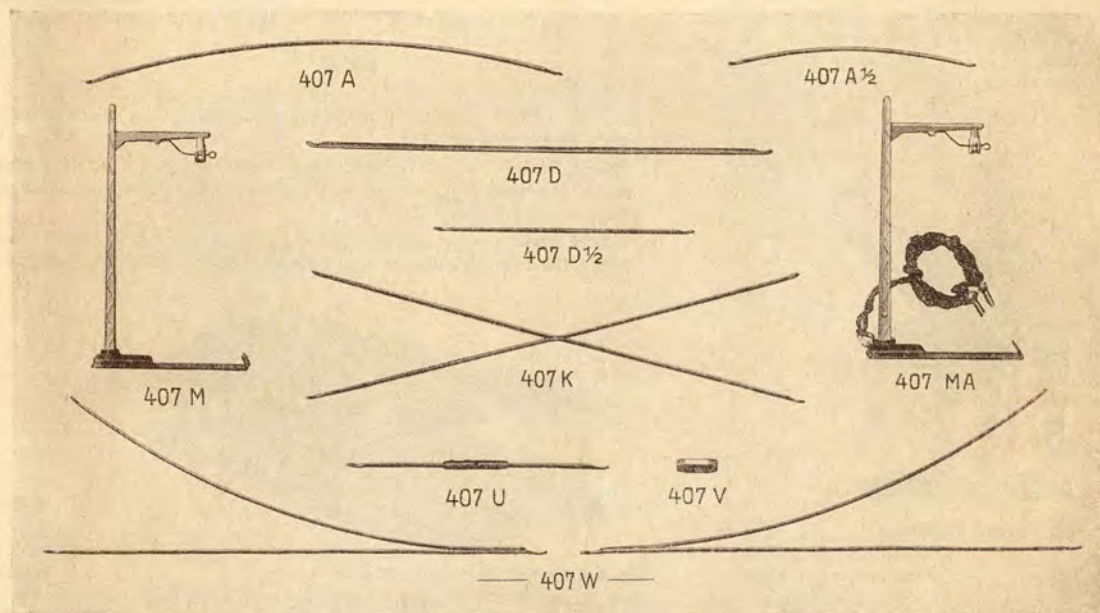
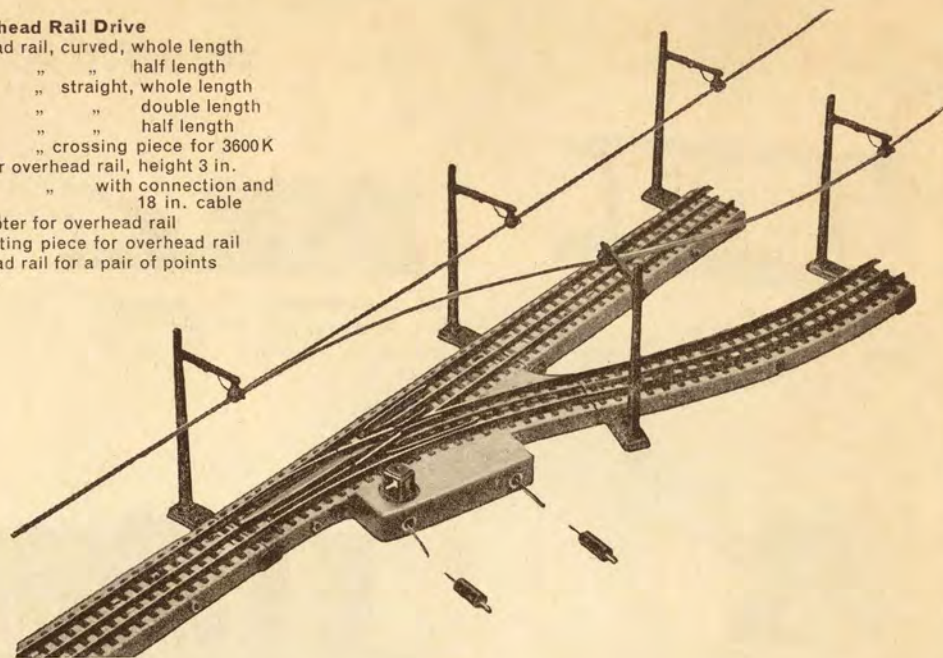
Every owner of a MARKLIN Gauge 00 Miniature railway can add the new tracks, switches, control plates etc. to his former lay-out and thereby combine both systems.

Comprehensive instructions are included with each train.

753 The Electric Miniature Railway
Gauge 00, 80 pages. Only published in German.

Parts for Overhead Rail Drive

- 407 A Overhead rail, curved, whole length
- 407 A 1/2 " " " half length
- 407 D " " straight, whole length
- 407 2 D " " " double length
- 407 D 1/2 " " " half length
- 407 K " " crossing piece for 3600 K
- 407 M Mast for overhead rail, height 3 in.
- 407 MA " " " with connection and 18 in. cable
- 407 U Interrupter for overhead rail
- 407 V Connecting piece for overhead rail
- 407 W Overhead rail for a pair of points

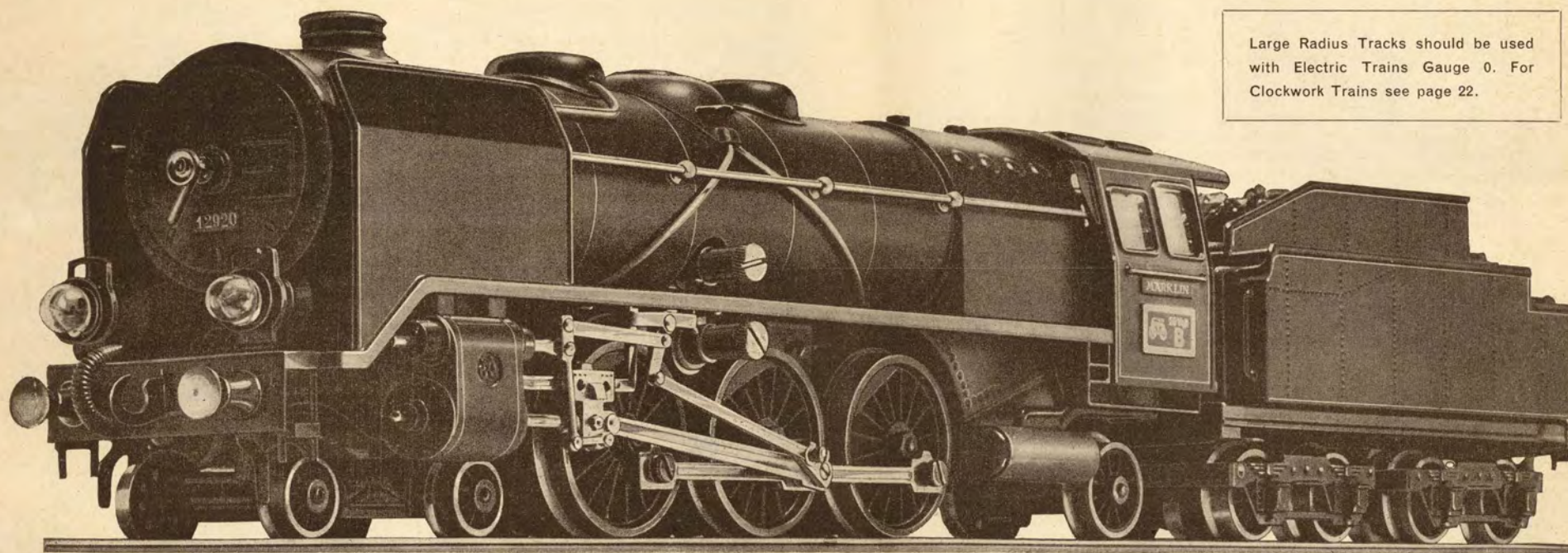


The overhead sections 407/2 D (length as 2 rails 3600 D) can be used with advantage over long straight stretches of rail. The interrupter pieces 407 U serve to create "dead" sections in the overhead rail. Connecting pieces 407 V are for use on rail system in which 1/8, 3/16, and 1/4 rails are used, and also for the installation of overhead transmission over bridges, level crossings, etc.

The large 0 gauge also has many friends. Locomotives, rolling stock, track, and accessories are made with the usual MARKLIN quality. Because of the larger size these items can be constructed in greater detail, and can withstand more punishment.

Clockwork trains are built only in this gauge and are illustrated on page 22. 8 sections of track make a circle with a diameter of 30 in.

Electric Trains are of course perfectly harmless and operate on an average tension of 20 volts. In order to ensure good operation only the wide radius track in which 12 sections comprise a circle with a diameter of 49 in. is manufactured for electric trains. Any further details can be found in MARKLIN booklet No. 2753.



Large Radius Tracks should be used with Electric Trains Gauge 0. For Clockwork Trains see page 22.

HR 66/12920 Electric Locomotive with automatic reverse

Finished in dull black, 6 axles, tender 4 axles. Plug socket for coach lighting connection, illuminated cab with celluloid windows, 2 electric head lights.

Length with tender 21 in., weight 2600 gr.

Accurate model of a modern heavy Express locomotive (German State Railways type 2 C 1 model 01). Scale 1:45.

Necessary connecting set for Alternating Current: 13470 BG. State voltage when ordering.

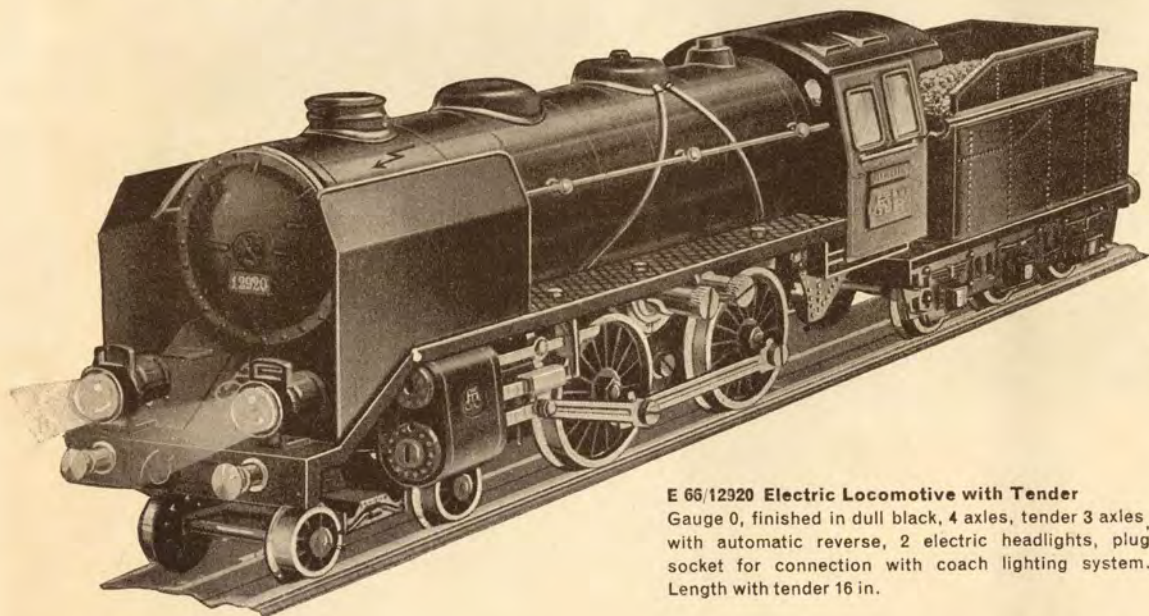
0

MARKLIN ELECTRIC LOCOMOTIVES Gauge 0 (1½ in.) 20 Volts

MARKLIN Transformers are made specially to suit MARKLIN locomotives.



R 66/12910 Locomotive
with tender, gauge 0, with automatic reverse, electric headlights, plug socket for connection with carriage lighting system, dull black. Length with tender 12½ in.



E 66/12920 Electric Locomotive with Tender
Gauge 0, finished in dull black, 4 axes, tender 3 axes, with automatic reverse, 2 electric headlights, plug socket for connection with coach lighting system. Length with tender 16 in.

The proved MARKLIN 20 Volt System

Perfect safety must always remain the most important feature of an electrically driven toy. The MARKLIN 20 Volt Electric Train System for Gauges "00" and "0" have the particular advantage that the average tension occurring in the rails is only 20 volts, so that, as a result of this, the working of these trains is perfectly safe. As the low tension of 20 volts cannot be directly taken from the light mains, a connecting apparatus, which reduces the tension of the mains current to 20 volts, is necessary to connect the rails to the lighting mains. Transformers are used for this purpose in the case of Alternating Current.

These connecting sets are produced especially for driving the MARKLIN Electric 20 Volt Trains and are graded accordingly. We recommend, therefore, that only MARKLIN connecting sets should be used. We can then give the assurance that the best possible results will be achieved and that the voltages for the lights and signal box connections will conform to those of our electrical accessories.

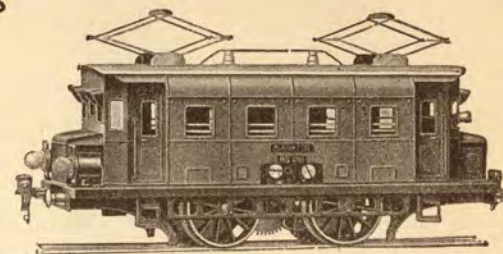
Necessary Connecting Sets
for Alternating Current.

For R 66/12910 and
RS 66/12910

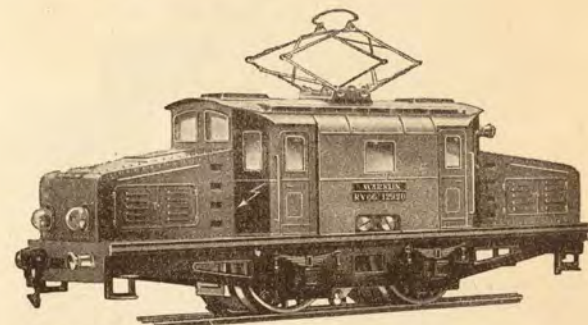
Transformer-Set AG

For E 66/12920
RV 66/12920 and
CS 66/12920

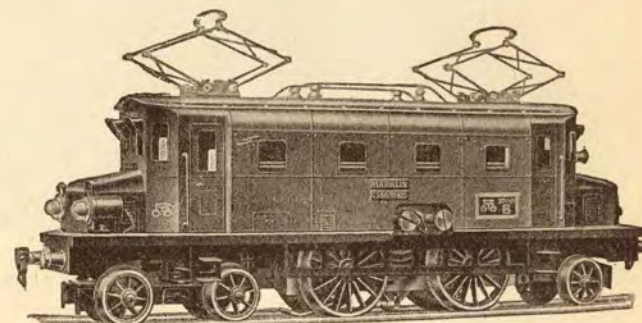
Transformer-Set BG



RS 66/12910 Electric Locomotive
Gauge 0, with automatic reverse, two electric head lamps and plug connection for coach lighting, green. Length 8½ in.



RV 66/12920 Electric Locomotive,
Gauge 0, with automatic reverse, electric headlights, plug socket for connection with carriage lighting system, spring pantograph, celluloid windows, green. Length 9¼ in.



CS 66/12920 Electric Locomotive
Gauge 0, with automatic reverse, electric headlights and plug socket for connection with carriage lighting system, spring pantograph, celluloid windows, green. Length 11¼ in.

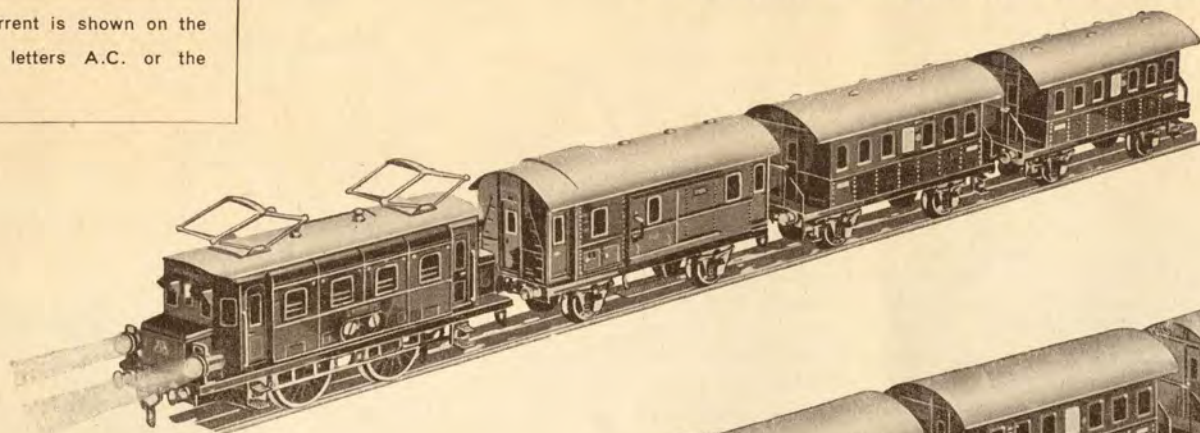
All locomotives are supplied with connecting plate.

ELECTRIC TRAINS Gauge 0

MARKLIN

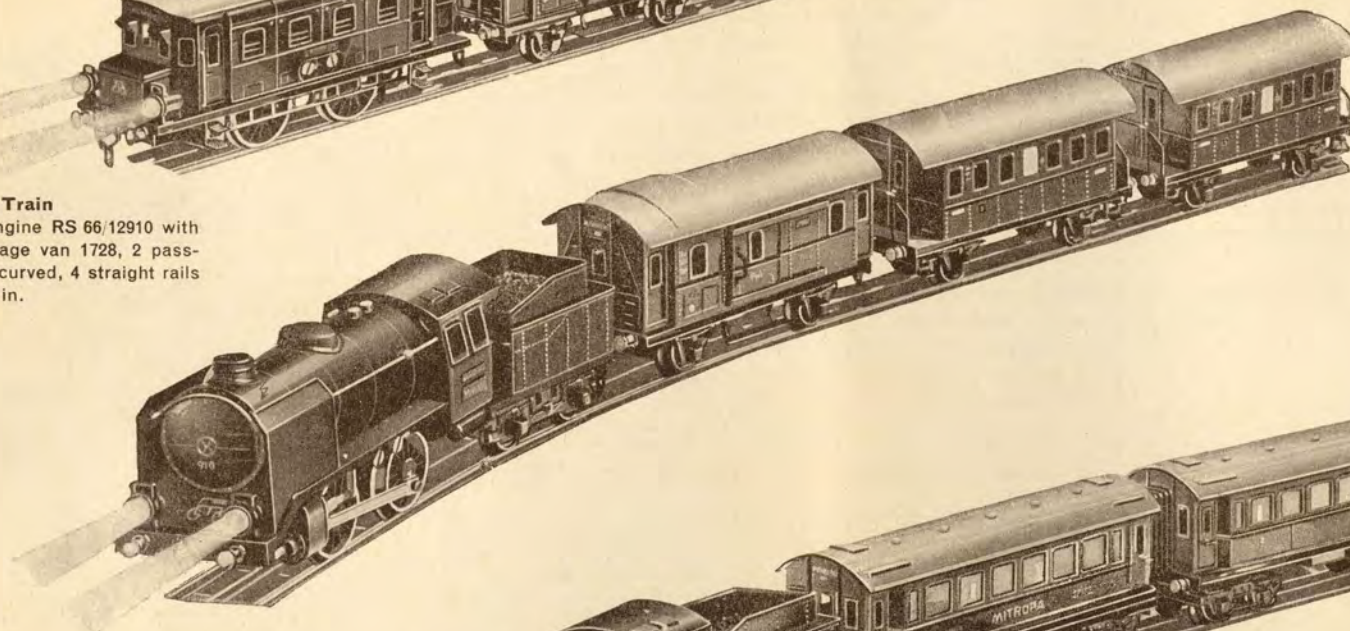
0

Alternating Current is shown on the meter by the letters A.C. or the sign .



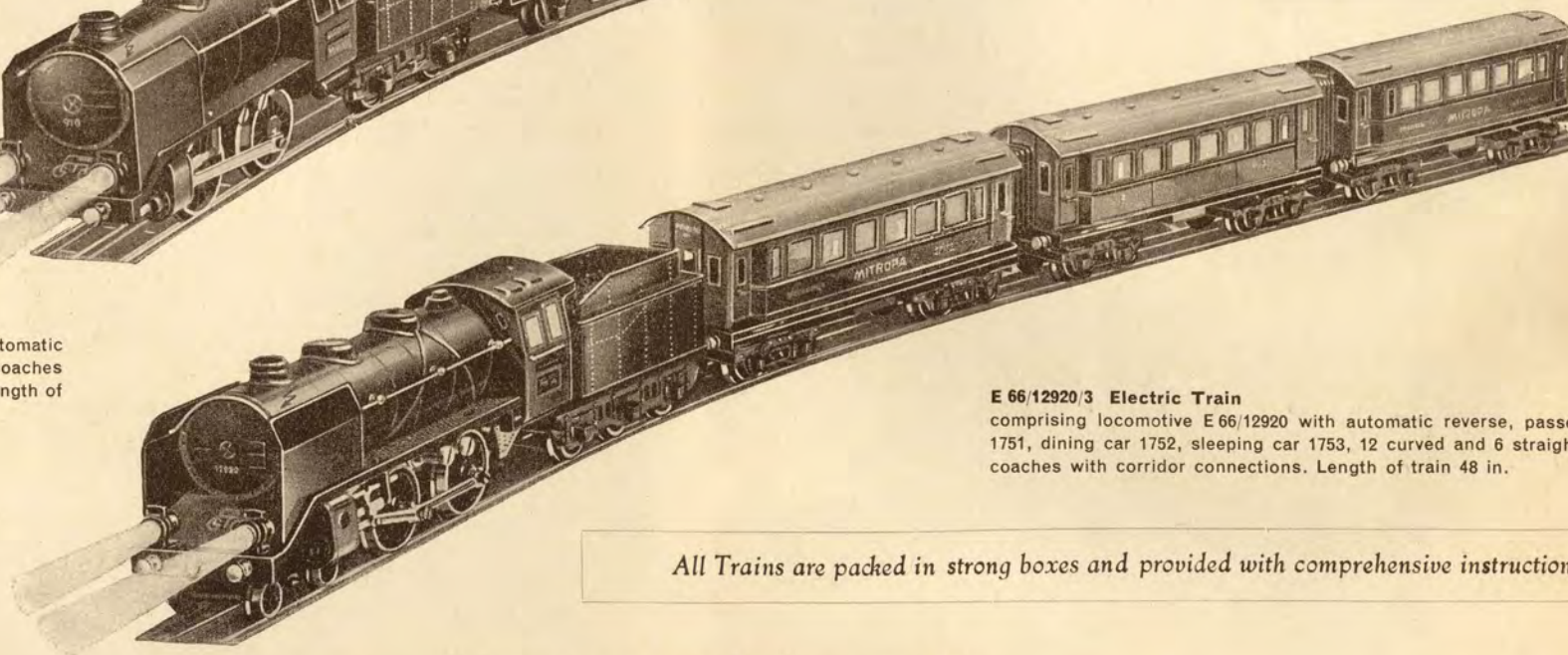
RS 66/12910/3 Electric Train

Gauge 0, comprising engine RS 66/12910 with automatic reverse, luggage van 1728, 2 passenger coaches 1727, 12 curved, 4 straight rails 3610. Length of train 33 in.



R 66/12910/3 Electric Train,

comprising engine R 66/12910 with automatic reverse, luggage van 1728, 2 passenger coaches 1727, 12 curved, 4 straight rails 3610. Length of train 36½ in.



E 66/12920/3 Electric Train

comprising locomotive E 66/12920 with automatic reverse, passenger coach 1751, dining car 1752, sleeping car 1753, 12 curved and 6 straight rails 3610, coaches with corridor connections. Length of train 48 in.

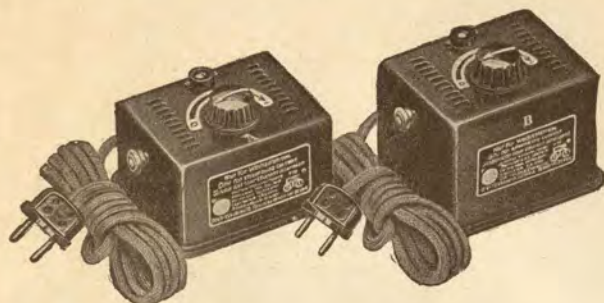
Concerning the distant reverse system 66/...

All MARKLIN 20 volt locomotives are fitted with automatic reverse for distant control, and can therefore be controlled from a distance.

The chief feature of 66/... distant reverse is in the fact that the direction is controlled by switching the current on and off from the speed controller. Each time the locomotive is disconnected, the original running direction is changed; if, therefore, one wishes the train to continue in the same direction after a stop it must be switched quickly on, off, and on again.

All Trains are packed in strong boxes and provided with comprehensive instructions.

All locomotives are supplied with connecting plate.



13470 AG Transformer

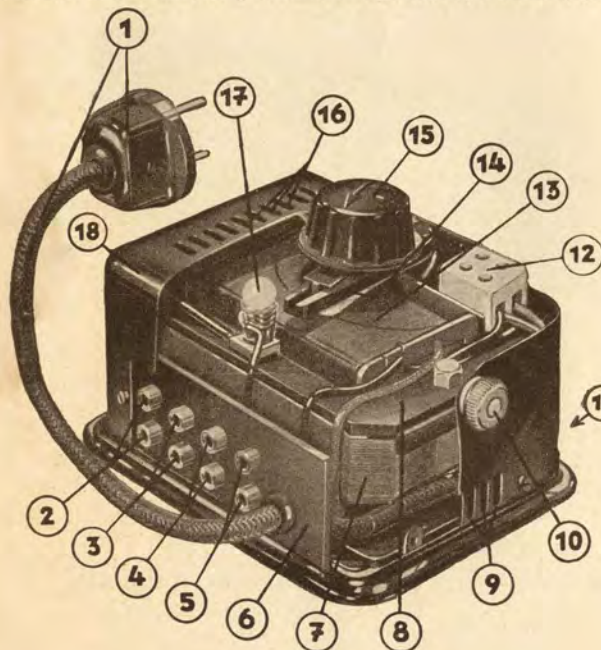
connections for train, miniature train, light and magnetic accessories, capacity approx. 25 watts (overload capacity up to 35 watts), with cable 13532/12.

13470 BG Transformer,

connections for train, miniature train, light and magnetic accessories, capacity approx. 50 watts (overload capacity up to 60 watts), with cable 13532/12.

Transformers with rheostat speed control, automatic short circuit cut-out and red signal lamp

Built and tested according to official regulations, therefore, perfectly safe for use by children.



Parts of the illustrated Transformer 13470 A:

- 1 Cable and plug for Connection to mains.
- 2 Connection for Miniature railways, Gauge 00.
- 3 Connection for Railways, Gauge 0.
- 4 Connection for Lighting.
- 5 Connection for electro magnetic accessories.
- 6 Fibre plate carries and insulates the connection 2-5.
- 7 Iron Core (from Special Plates).
- 8 Fibre frame (to insulate to iron core).
- 9 Openings for air (to cool the windings).
- 10 Earth terminal (for use in rooms with stone floors).
- 11 Thermal switch (not visible in picture, see adjacent illustration). Cuts out the transformer automatically when carrying too much current, (overloading or short circuit).
- 12 Clips (joining the connecting cable to the windings).
- 13 Windings of copper wire, tested at 2,500 volts before leaving factory.
- 14 Lever with spring, collecting current from the windings.
- 15 Turning knob for the regulation of the speed of the train.
- 16 Openings to release hot air from the windings.
- 17 Signal lamp showing so long as the Transformer is in working condition, is extinguished immediately when short circuit occurs.
- 18 Cover of strong black enamelled sheet iron.

CONNECTING SETS FOR ALTERNATING CURRENT MAINS

Transformers for connecting to 110, 125 or 220 volts alternating current (A. C.)

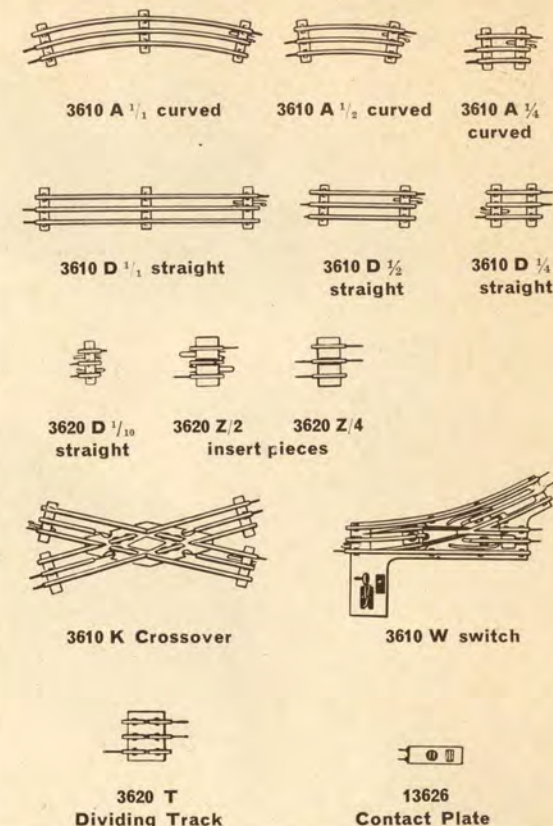
The following information will help you when ordering connecting sets: MARKLIN connecting sets are made specially for use with our 20 volt trains, and are graded accordingly. We therefore recommend that only MARKLIN connecting sets should be used, then we can guarantee that best results will be obtained and that the voltages of the lights, signals, etc. will conform to our electrical accessories.

The connecting set specified for each locomotive and trainset is of only the least power necessary to work it. More powerful connecting sets than those specified can also be used. In the case of railway systems with many illuminated accessories, it is better to have a separate connecting set for the lighting.

The contact plate is not included with the connecting set—it is supplied with each electric locomotive and trainset.

Alternating Current is shown on the meter by the letters A.C. or the sign . MARKLIN Transformers are supplied for 110, 125 or 220 Volts. State voltage when ordering.

Track for Electric Trains Gauge 0



2753 Electric Trains

their working, maintenance and some points about their originals. 80 pages brochure with some 100 illustrations giving comprehensive answers to all questions concerning the assembly and working of electric trains (e. g., connection of trains, current consumption of the locomotives, capacity and load of the connecting sets, train lighting, circuit designs of large lay-outs, electro-magnetic drive, locomotive motors etc.) and many illustrations of real railways. (In German language only.)

Rail Design Book

36 pages, 11½×8 in. showing many rail designs for all types of rails, gauge 0, circuit diagrams, real railway pictures etc.

MÄRKLIN

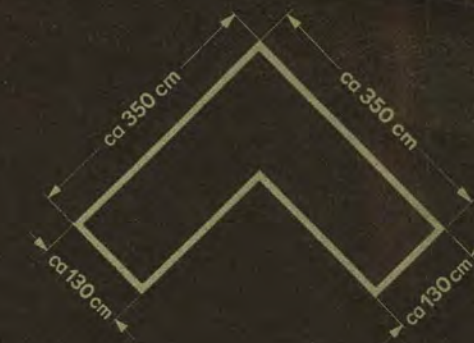


Model Layout, 00 Gauge A Masterpiece in the smallest space

This pretty illustration shows how a great railroad empire can be built in 00 gauge in a relatively small space.

Different trains run through mountains and valleys, towns with stations. Industrial and port facilities, with docks, etc. There are rivers and lakes with ships. A skillfully painted backdrop adds to the effect of the home made houses, trees, etc.

3 trains may be operated at one time (an express, a local, and a freight train). The bridges were constructed from parts of the MINEX sets. This picture is intended to serve only as an incentive or an inspiration to our friends. We are able to complete such set-ups only upon special arrangement.



PULLMAN CARS Gauge 0

Scale Models, for large radius rails only

MARKLIN

0



1941 Passenger Coach

Green, cast bogies and wheels, windows with celluloid panes, doors to open, detachable roof with ventilators, openings for corridor connections, correctly lined and lettered, length 16 in.

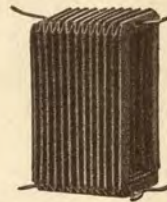
1941 J Passenger Coach, as above, roof to scale car of "Compagnie Internationale".



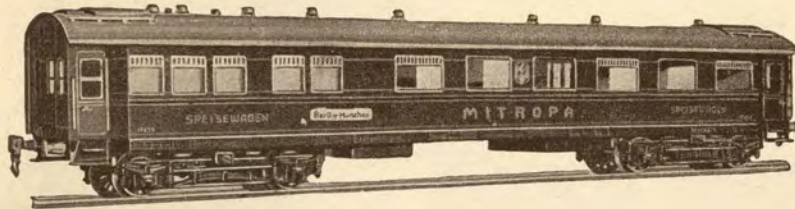
1943 Sleeping Car

Mitropa-finish, cast bogies and wheels, windows with celluloid panes, doors to open, detachable roof with ventilators, openings for corridor connections, correctly lined and lettered, length 16 in.

1943 J Sleeping Car, as above, blue "Cie. Internationale"-finish.

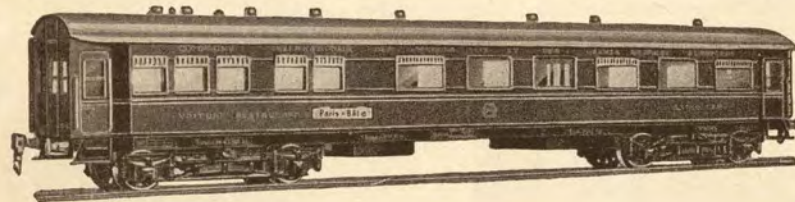


Corridor Connections
2280 k
2280 m



1942 Dining Car

Mitropa-finish, cast bogies and wheels, windows with celluloid panes, doors to open, detachable roof with ventilators, openings for corridor connections, correctly lined and lettered, length 16 in.



1942 J Dining Car, as above, blue "Cie. Internationale"-finish.

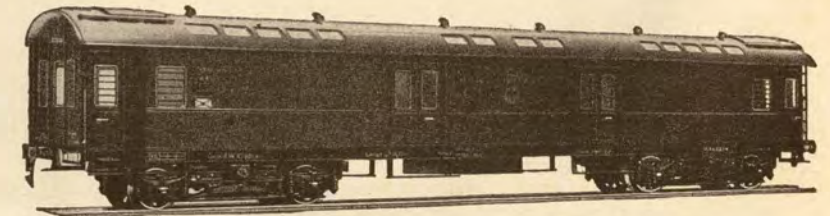
for coach No.	use corri- dor con- nection
1751	2280 k
1752	"
1753	"
1754	"
1941	2280 m
1942	"
1943	"
1944	"
1945	"



1944 Luggage Van

Green, cast bogies and wheels, 4 hinged doors and 4 sliding doors, windows, detachable roof with ventilators, openings for corridor connections, correctly lined and lettered, length 16 in.

1944 J Luggage Van, as above, blue "Cie. Internationale"-finish.



1945 Mail Van

Green, with skylights, cast bogies and wheels, 8 doors to open, windows, detachable roof with ventilators, openings for corridor connections, correctly lined and lettered, length 16 in.

PASSENGER COACHES

**1751 Passenger Coach**

green, four-wheeled bogies, doors to open, hinged roof, windows with celluloid panes, openings for corridor connections, length 9½ in.

**1752 Dining Car**

MITROPA-finish, four-wheeled bogies, doors to open, hinged roof, windows with celluloid panes, openings for corridor connections, length 9½ in.

**1753 Sleeping Car**

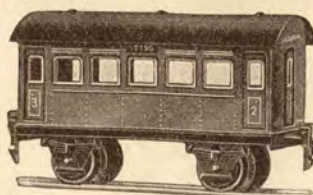
MITROPA-finish, four-wheeled bogies, doors to open, hinged roof, windows with celluloid panes, openings for corridor connections, length 9½ in.

**1754 Luggage Van**

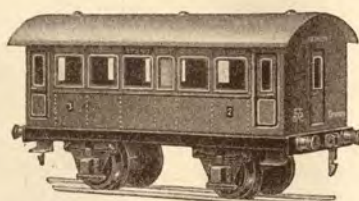
green, four-wheeled bogies, 2 sliding and 4 hinged doors to open, hinged roof, windows, openings for corridor connections, length 9½ in.

1755 Mail Van

for above coaches, 8 hinged doors, hinged roof with sky lights.

**1719 Passenger Coach**

blue-green, cut out windows, length 5 in.

**1725 Passenger Coach**

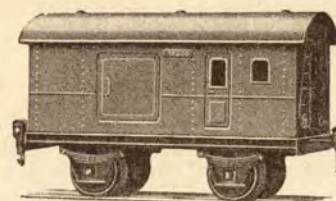
green, cut out windows, doors to open, length 6½ in.

**1727 Passenger Coach**

green, scale model, cut out windows, doors to open, length 7½ in.

**1683 Refrigerator Van**

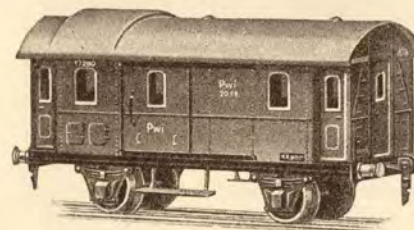
white, with sliding door, length 5 in.

**1720 Luggage Van**

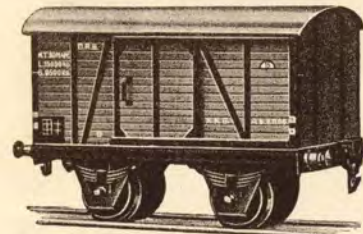
blue-green, for use with passenger coaches 1719, length 5 in.

**1726 Luggage Van**

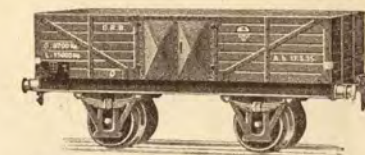
green, with sliding doors, for use with passenger coaches 1725, length 6½ in.

**1728 Luggage Van**

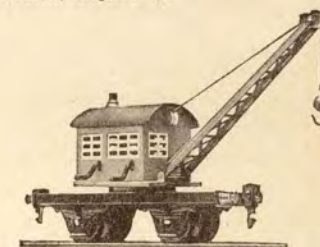
green, for use with passenger coaches 1727, cut out windows, sliding doors, length 7½ in.

**1681 Closed Goods Truck**

brown, with sliding door, length 5 in.

**1661 Open Goods Truck**

brown, length 5 in.

**1668 Crane Truck**

Revolving crane house, winches for moving jib and lifting and lowering load. Floor of truck 5 in. long, length of jib 5 in.

**1674 S Petrol Truck**

yellow, lettered "SHELL", length 5 in.

1674 ESSO

white, lettered "ESSO", length 5 in.

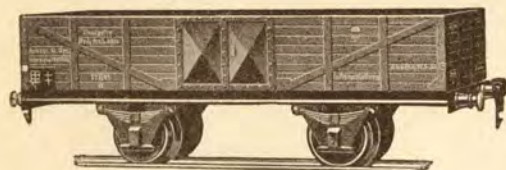
1687**Mineral Water Wagon**

light green, with sliding door, length 5 in.

FREIGHT CARS

MÄRKLIN

0



1761 Open Goods Truck
Green, length 6½ in.



1763 Covered Goods Truck
green, detachable white cover with supports,
length 6½ in.



1771 Open Goods Truck
Brown, with doors to open and brakeman's
cabin, length 7¼ in.



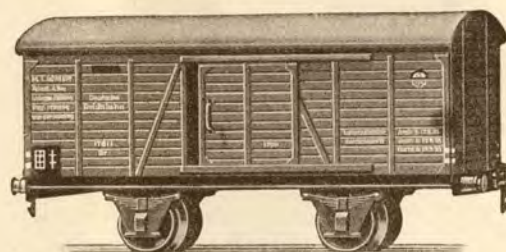
1764 Low Sided Open Goods Truck.
Brown, length 6½ in.



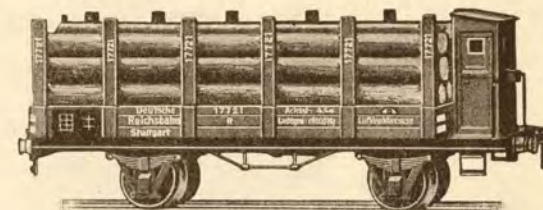
1790 Brake Van
brown, with 2 sliding and 2 hinged doors to
open, length 6½ in.



1774 S Petrol Truck
yellow, lettered "SHELL", with brakeman's
cabin, filler cap and outlet tap, length 7¼ in.
1774 ESSO
Petrol Truck, as above, lettered "ESSO".



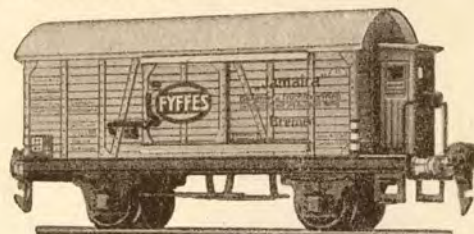
1781 Closed Goods Truck
brown, with sliding doors, length 6½ in.



1772 G Timber Truck
brown, with stanchions and brakeman's cabin,
length 7¼ in.
1772 Timber Truck, as above, without logs.



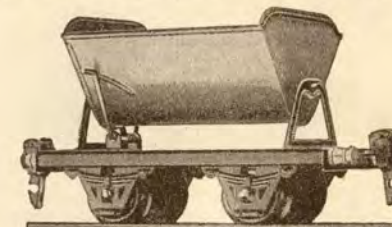
1791 Closed Goods Truck
brown, with sliding doors and brakeman's cabin,
length 7¼ in.



1792 Closed Goods Truck
yellow, lettered "Jamaica Bananas", with sliding
doors and brakeman's cabin, length 7¼ in.



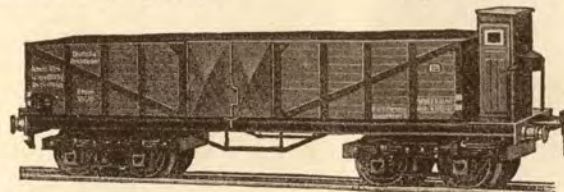
1796 Closed Goods Truck
brown, with sliding doors and brakeman's cabin,
length 7 in.



1792 Dump Car
tips to either side of the track, with locking
device, length 5 in.



1848 Low Sided Open Goods Truck
brown, mounted on double bogies, length 9¾ in.



1851 Open Goods Truck
brown, mounted on double bogies, doors to open, with brake-
man's cabin, length 9¾ in.



1961 G Log Trucks
in pairs, revolving stanchions with chains, length 11 in.



13447 Arc Lamp
with 20 volt bulb, 20 in.
cable with metal plugs,
height 8 in.



13452/1 Arc Lamp
with 20 volt bulb, 20 in.
cable with metal plugs,
height 10 in.

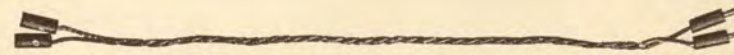
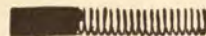


13956 G Automatic Home Signal affecting movement of train, remote control 20 volt bulb, electro-magnetic device for signal and train, height 9 in. With contact plate 13629 and interrupter rail 13628.



13437/4 Graphite Brush,
with spring.

13438/4 Copper Brush,
with spring.



13532/12 Cable, double, length 1 yd.

13532/22 Cable, double, length 2 yds

13532/32 Cable, double, length 3 yds

13535/12 Cable, single, length 1 yd.

13535/22 Cable, single, length 2 yds

13535/32 Cable, single, length 3 yds

Plugs and Sockets for cables Gauge 0. Diameter of pin 3,5 mm.



13610 WB Electro-Magnetic Switches for remote control. For 20 volts operation in conjunction with a signal box or a control plate. Revolving electric lanterns with cables.



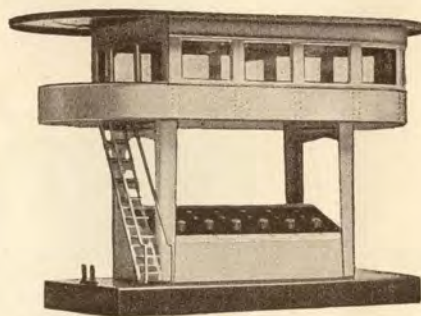
13723 Distributor Plate with 5 connections. Without cable. Size $3\frac{1}{2} \times 1\frac{1}{4}$ in.



13722

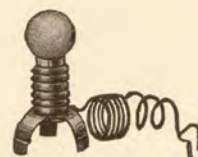
Control Plate,

$3\frac{1}{4} \times 1\frac{1}{4}$ in. with 2 control buttons for working 2 electromagnetic accessories (a pair of switches or 2 signals etc.). For extending a layout, additional control plates can be connected.



13729/6 Electric Switch Tower

control board for 6 connections, one extension plug, interior lighting. Size $8\frac{1}{2} \times 4\frac{3}{4} \times 7\frac{1}{4}$ in.



13581 Station Lighting

with 20 volt bulb and $\frac{1}{2}$ yard of cable. For lighting stations, guards' houses etc.



13527 Bulb
19 volts, 0,15
Amp., 9 mm
screw fitting.
Clear, red or
green.



13528 Bulb
19 volts, 0,15
Amp., 15 mm
screw fitting.
Frosted, clear,
red or green.



13529 Bulb
19 volts, 0,15
Amp., 18 mm,
screw fitting.
White, red or
green.



13491 SQ Plug
with cross
socket in which
an additional
plug can be
inserted.



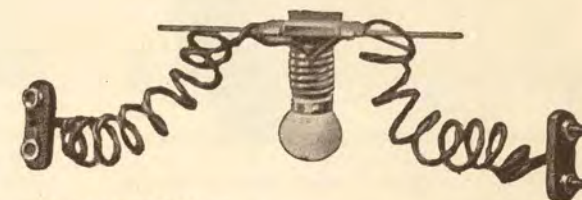
**13491 M
Muff**



13491 K-Muff
with branch.



13483/2 Electric Tail Light set
2 tail lights with 20 volt bulbs and cables.



13484 Coach Lighting

on frame, with 20 volt bulb and cables with plug and socket.



3531/25 Cable for train lighting set, 10 in. long
3531/50 Cable for train lighting set, 20 in. long
13484 S Plug. — 13484 M Socket.

ACCESSORIES Gauge 0

MÄRKLIN

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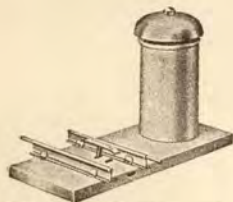
2337 Home Signal
Signal arm with red and green spectacles, hand lever, height 7½ in.



2328 Distant Signal
Lanterns with yellow and green spectacles, hand lever, height 5 in.



2199 Bumper
for gauge 0 track, with spring buffers, length 4 in.



2246 Signal Bell
with clockwork, operated automatically by passing train, with insulated centre rail for electric trains gauge 0, height 5 in.



2243 Signal Bell
with hand crank, height 4 in.

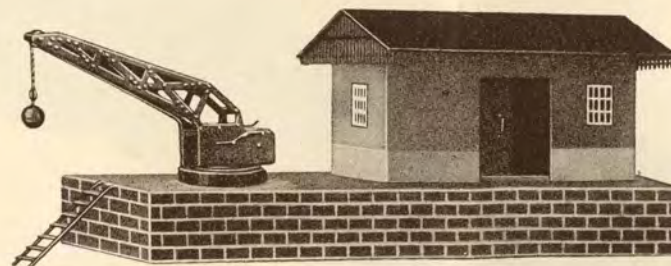


2499 Railway Bridge
for gauge 0 track (without rail), length 10½ in.

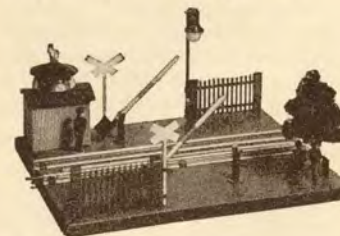


2002 B Station
with electric lighting, 20 volt lamp with cable and plugs, goods shed and platform barrier, cut out windows, doors to open, goods shed with sliding door, centre window with imitated clock and celluloid panes. Base 19 x 8 in., height 7 in.

Model Railway Station 2038 B / 2039 B (see page 11) can also be used for gauge 0 layouts.



2109 Goods Station
Station with sliding doors, cut out windows, detachable roof, revolving crane with hand winch. Base 14 x 5½ in. height 6 in.



2231 B Level Crossing
for gauge 0 track. Barriers and bell are operated automatically by passing train, bell cabin with clockwork, arc lamp with 20 volt bulb, cable with plugs; removable centre rail for electric trains, length 10½ in.

2230 B Level Crossing
for gauge 0 track, as above, without bell cabin.



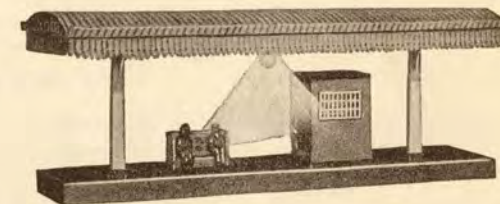
2163 B Guard's House
arc lamp with 20 volt lamp, cable and plug; barrier, signal, stop board, fence, cut out window, figures base 7 x 4 in., height 5 in.



2161 Guard's House
with stop board, barrier etc. Base 5¼ x 3¼, height 4½ in.



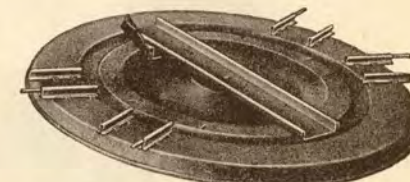
2500 Railway Bridge
for gauge 0, detachable span, length 20½ in. 2500: for clockwork trains. 2500 EL: for electric trains.



2075 B Station Platform
with 20 volt electric light (1 bulb, cable with plugs), waiting room, seat and figures. Base 15¾ x 4 in., height 6¼ in. roof 6¼ in. wide.



2736 G Petrol Drums
set of 5 pieces, different inscriptions, diameter of each drum 1¼ in.



2125 Turntable
for clockwork trains, with 4 junctions and locking device, greyish green. Diameter overall 12 in., diameter of turning table 8½ in.

CLOCKWORK TRAINS Gauge 0

Märklin Clockwork Trains are very favourite toys for the youngest. The clockworks are of great power and accurate construction and fitted with an automatic speed regulator, which makes it possible to let the locomotives run without risk of derailment, even without coaches. Every locomotive can have its brakes applied either from the cab or from the track while it is running. Reversing gear (with the exception of No. R 880) operating either from track or by level from the cab. Some of the locomotives are fitted with a hook in front, in order to make it possible to couple up coaches to the front of the engine.

Front hook impracticable for very sharp curves, coaches may be forced off the track.

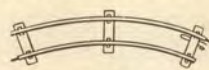
Detailed instructions are included with each locomotive; for lay-outs see booklet No. 2763.

Rails for Clockwork Trains

Length of straight rail: $10\frac{1}{2}$ in.

Circle consists of 8 curved sections 1620 A. Diameter of circle 30 in.

Curved



1620 A $\frac{1}{3}$

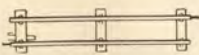


1620 A $\frac{1}{2}$

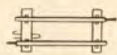


1620 A $\frac{1}{4}$

Straight



1620 D $\frac{1}{3}$



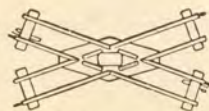
1620 D $\frac{1}{2}$



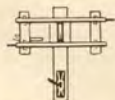
1620 D $\frac{1}{4}$



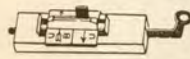
1620 D $\frac{1}{10}$



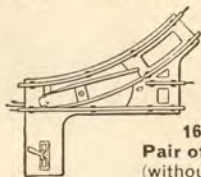
1620 K Crossover



1620 DAU Reversing and brake control Rail

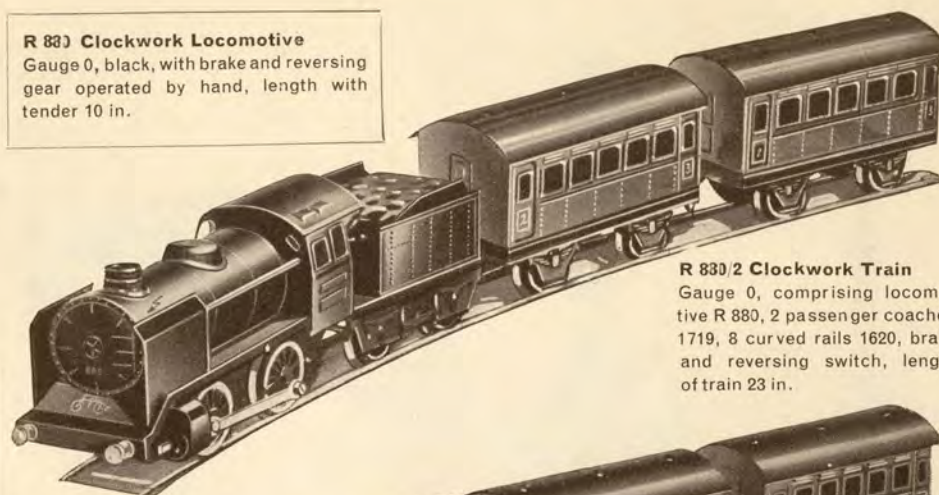


1620 BU Reversing and Brake Switch



1620 WB Pair of Switches (without lanterns)

R 890 Clockwork Locomotive, Gauge 0, black, with brake and reversing gear operated by hand and automatically from track, length with tender 11 in.



R 880/2 Clockwork Train
Gauge 0, comprising locomotive R 880, 2 passenger coaches 1719, 8 curved rails 1620, brake and reversing switch, length of train 23 in.



R 890/3 Clockwork Train
Gauge 0, comprising locomotive R 890, 2 passenger coaches 1719, luggage van 1720, 8 curved and 4 straight rails 1620, brake and reversing switch, length of train 31 in.



RV 890 Clockwork Locomotive

Gauge 0, green, brake and reversing gear operated by hand and automatically from track, cut out windows, length $7\frac{1}{2}$ in.

RV 890/3 Clockwork Train

Gauge 0, comprising locomotive RV 890, 2 passenger coaches 1719, luggage van 1720, 8 curved and 4 straight rails 1620, brake and reversing switch, length of train 28 in.



R 910 Clockwork Locomotive

Gauge 0, black, brake and reversing gear operated by hand and automatically from track, nickelled fittings, tender with coal, length with tender $12\frac{1}{4}$ in.

R 910/3 Clockwork Train

Gauge 0, comprising locomotive R 910, 2 passenger coaches 1727, luggage van 1723, 8 curved and $3\frac{1}{2}$ straight rails 1620, reversing and brake control rail 1620 DAU, book of rail figures, length of train $36\frac{1}{2}$ in.

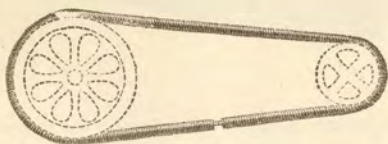


4095/4 Steam Engine

Boiler: polished brass plate, casing imitation brickwork, enamelled. Diameter of boiler $1\frac{3}{4}$ in., length 5 in.

Machinery: Single acting slide valve cylinder, reversible according to impulse given to flywheel, pulley, steam whistle, water gauge, safety valve.

Accessories: Cup, funnel, oiler, spare washers. Base: $9\frac{3}{4} \times 9$ in. Height with chimney: $9\frac{3}{4}$ in.



4375 Transmission Wire

Spring cord, length 1 yard, diameter 2 mm.

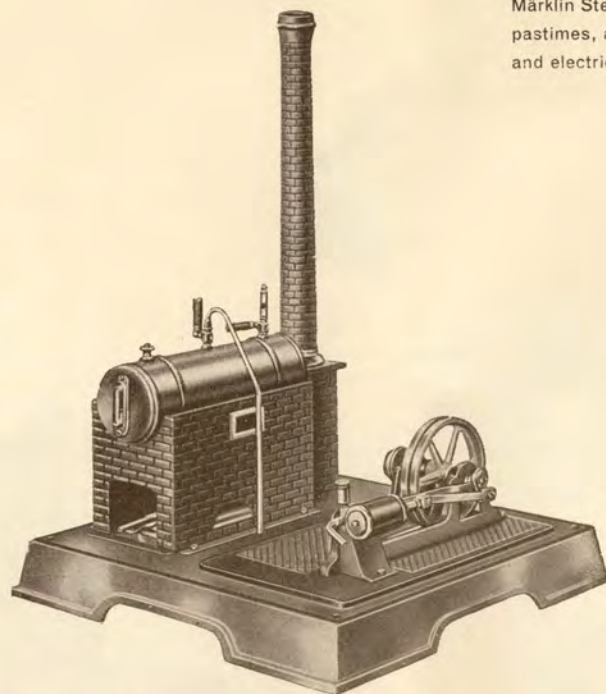
4376 Transmission Wire

Spring cord, length 2 yards, diameter 2,5 mm.

MÄRKLIN Steam Engines are fitted with safety valve and they are carefully tested under steam pressure before leaving the factory. Outstanding performance will be attained if the engine is handled according to the instructions furnished with every model.

STEAM ENGINES

Märklin Steam Engines have always been very popular with boys. They are amongst the most attractive pastimes, an educational display of converting steam into mechanical energy. Coupled to a dynamo and electric lamp they give an instructive demonstration of the working of an electric power plant.

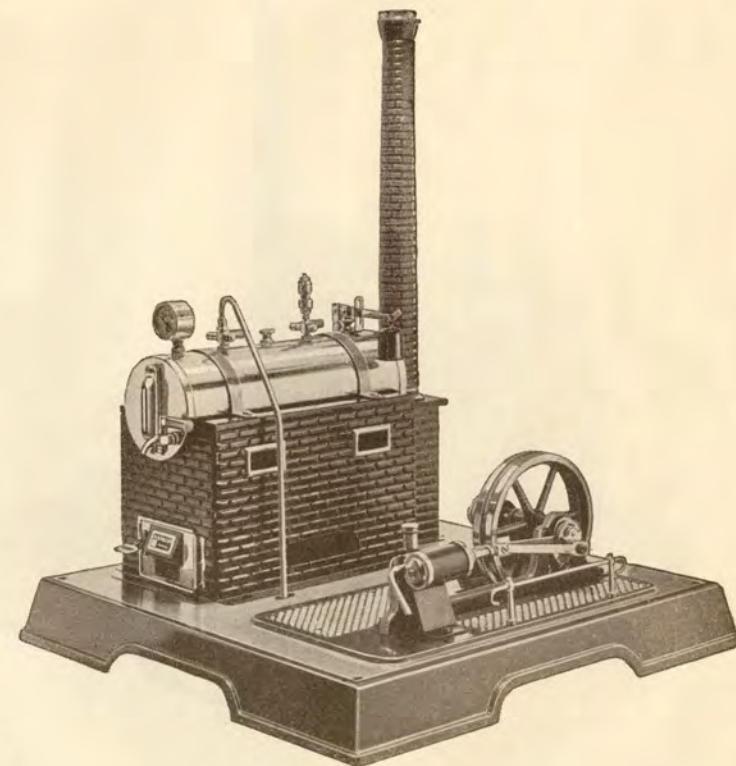


4095/5 Steam Engine

Boiler: polished brass plate, casing imitation brickwork, enamelled. Diameter of boiler 2 in., length 6 in.

Machinery: Single acting slide valve cylinder, reversible according to impulse given to flywheel, pulley, steam whistle, water gauge, safety valve, check tap, grooved flywheel.

Accessories: Cup, funnel, oiler, poker, spare washers. Base: 11×11 in. Height with chimney $14\frac{1}{2}$ in.



4097/6 Steam Engine

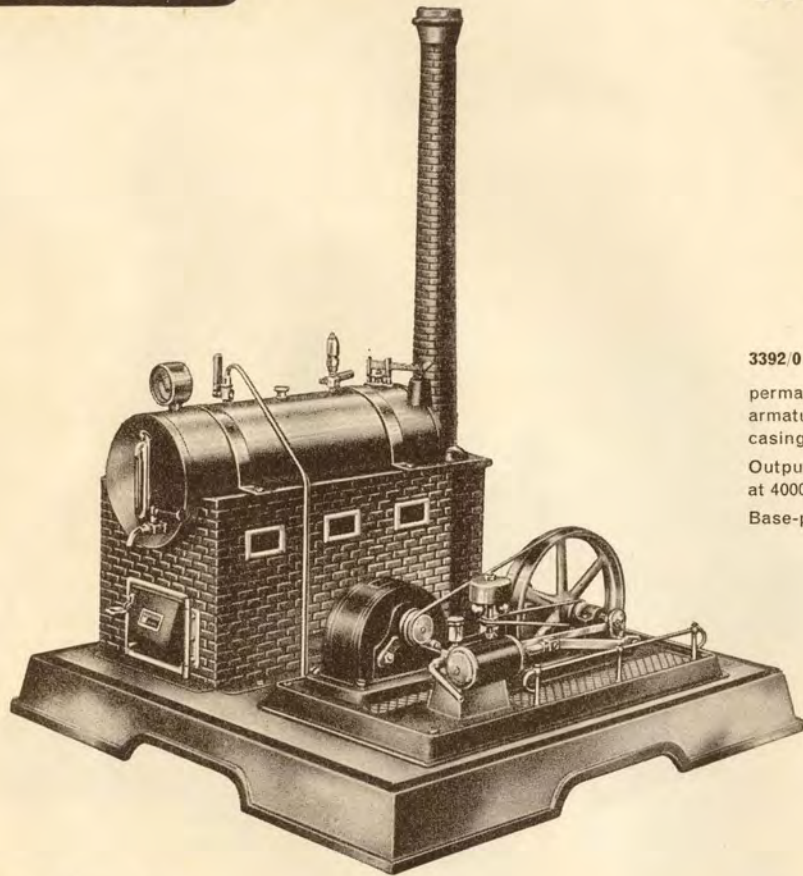
Boiler: polished brass plate, casing imitation brickwork, enamelled. Diameter of boiler $2\frac{3}{8}$ in., length $6\frac{1}{2}$ in.

Machinery: Single acting slide valve cylinder, reversible according to impulse given to flywheel, pulley and flywheel grooved, steam whistle, lever safety valve, check tap, pressure gauge, water gauge, water drain tap.

Accessories: Cup, funnel, oiler, poker, spare washers. Base: 12×12 in. Height with chimney $15\frac{3}{8}$ in.

4097/92/6 Steam Engine with Dynamo

Steam Engine as above, fitted with dynamo 3392/0 and arc lamp.



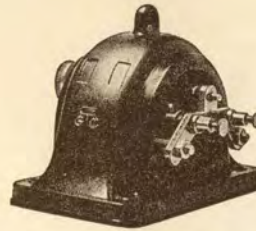
4097/92/7 Steam Engine

Boiler: polished brass plate, casing imitation brickwork, enamelled, diameter of boiler $2\frac{3}{4}$ in., length $7\frac{1}{4}$ in.

Machinery: single acting slide valve cylinder, reversible according to impulse given to flywheel, centrifugal governor, flywheel and pulley grooved, dynamo and arc lamp. With steam whistle, lever safety valve, check tap, pressure gauge, water gauge, water drain tap.

Accessories: Cup, funnel, poker, oiler, spare washers.
Base: $12\frac{3}{4} \times 12\frac{3}{4}$ in. Height with chimney: $16\frac{1}{2}$ in.

4097/7 Steam Engine, as above, but without dynamo and arc lamp.

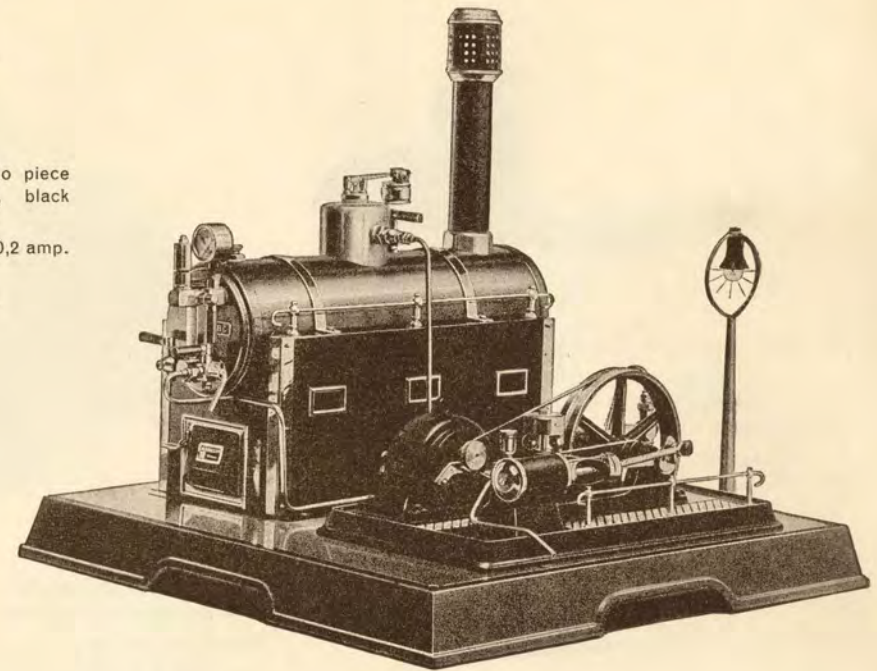


3392/0 Dynamo

permanent field magnet machine, two piece armature, adjustable brushholders, black casing, pulley wheel.

Output: Alternating current, $2\frac{1}{2}$ volts, 0,2 amp. at 4000 revolutions per minute.

Base-plate: $3\frac{1}{2} \times 2\frac{1}{4}$ in., height $2\frac{1}{2}$ in.



4098/92/8 Steam Engine.

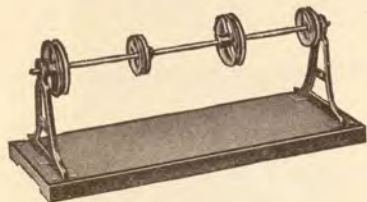
Boiler: Heavy brass fire tube boiler, oxidised blue steel colour, fire box with railings, diameter of boiler $3\frac{1}{8}$ in., length $10\frac{1}{4}$ in.

Machinery: Double acting slide valve cylinder, reversing by impulse given to flywheel, grooved flywheel and pulley, centrifugal governor, feeding pump, lubricator, condense water escape, dynamo and arc lamp.

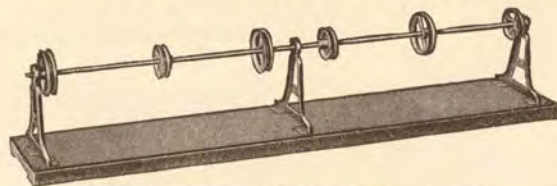
Fittings: Steam whistle, steam dome with lever safety valve, check valve, pressure gauge, water gauge, three way cock, drain cock.

Accessories: Cup, funnel, oiler, poker, spare washers.
Base $14\frac{1}{2} \times 14\frac{1}{2}$ in. Height with chimney $13\frac{1}{2}$ in. Diameter of flywheel 4 in.

TRANSMISSIONS and WORKING MODELS



4383/25 Transmission
Enamelled iron base, 4 adjustable nickelled wheels, length 10 in.



4383/50 Transmission. Enamelled iron base, 6 adjustable nickelled wheels, length 20 in.



4361 Colour-Play Model
Colour discs driven by gears, achieving a continuous change of colour combinations. Base $5\frac{1}{2} \times 3\frac{1}{8}$ in. Diameter of disc $4\frac{3}{4}$ in.



4316 Dredger
with 5 buckets, adjustable run away for dredged material. Size: 8 in. long, 8 in. high.



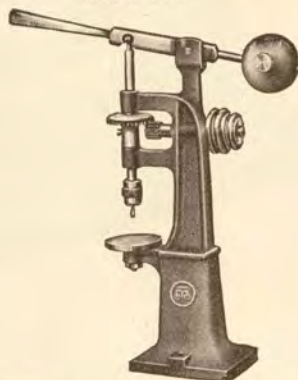
4355 Water Wheel
with rock and pump for driving water wheel which operates 2 drop hammers. Size: $7\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{4}$ in.



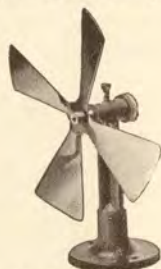
4365 Butter Churn
Real working model, glass to open. Size: $5\frac{1}{2} \times 3\frac{3}{8} \times 4\frac{1}{2}$ in.



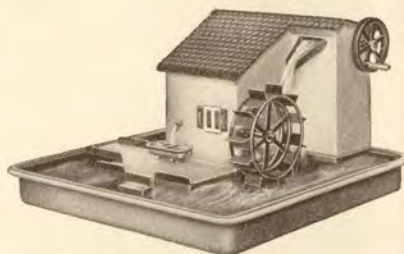
4251/1 Grindstone
Iron frame, protecting cover, height 4 in.



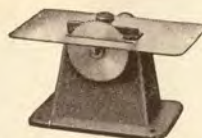
4264 Drill
Three speed pulley, adjustable elastic chuck, polished table, height $6\frac{1}{2}$ in.



4190/2 Ventilator
with 4 nickelled blades, iron stand, height of stand $3\frac{3}{4}$ in., diameter of blades 5 in.



4353 Water Mill
with well and pump for working water wheel. Size: $7\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{3}{4}$ in.



4254/1 Circular Saw
Nickelled hinged plate, adjustable guide, enamelled frame. Size: $4\frac{1}{4} \times 2\frac{1}{4}$ in.

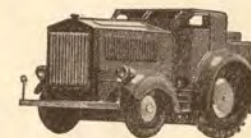


4300 Cold Saw
Eccentric motion, adjustable vice, enamelled frame. Size: $5\frac{1}{4} \times 3 \times 4\frac{3}{8}$ in.



4366 Forge
with roof and 3 trip hammers. Size: $5\frac{5}{8} \times 2\frac{3}{4} \times 3\frac{1}{2}$ in.

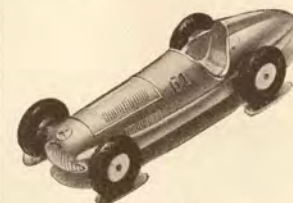
CLOCKWORK TRACTOR



5522/81 With brake and adjustable front axle, wheels with rubber tyres, casting, red enamelled, length 4 in.

MINIATURE CARS (without clockwork)

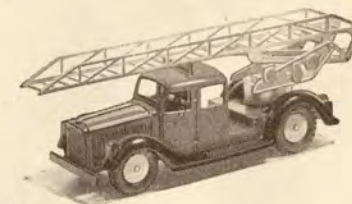
strong, durable make with rubber tyres, finely enamelled.



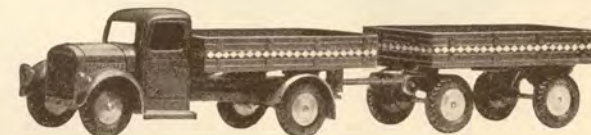
5521/61 Mercedes-Benz Racing Car, silver painted, length 4 in.



5521/51 Cabriolet
streamline body, red, length $4\frac{1}{4}$ in.



5521/35 Fire Ladder
lifts and turns, length of chassis 4 in., length of ladder 5 in.



5521/20 Truck, tipping, with hinged tail board, grey, length $4\frac{1}{4}$ in.
5521/21 Trailer for above truck, hinged tailboard, length 3 in.

THE NEW MÄRKLIN CONSTRUCTION SETS

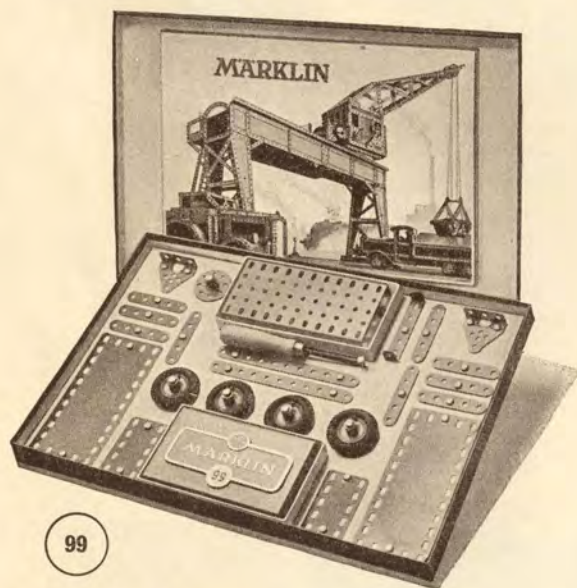
MÄRKLIN

A new departure in constructional toys, a readaption to modern technics, a recreation of great value.

The flexible plates of the new MÄRKLIN Construction Sets give the models a most realistic appearance in casing all the framework: Chassis are fitted with a body to look like a real motor car and all the other models, airplanes, boats etc. get a lifelike finish. Even the smallest sets contain the new tyres and parts to mount all sorts of vehicles. The larger sets also include a good number of electrical fittings with gears, pulleys and an amount of other new parts which confer the sets an unsurpassed versatility.

Improvements of the new sets:

- Increased number of parts
- Coloured flexible plates
- Wheels with detachable rubber tyres
- Electrical fittings
- Attractive presentation

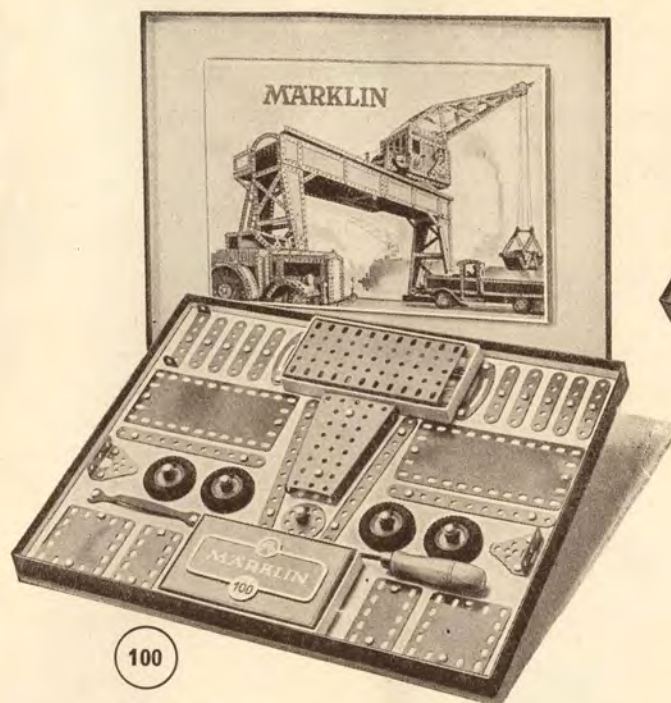


99

Basic Set No. 99

Contents 162 parts incl. clips. Size of box $15\frac{1}{2} \times 10\frac{1}{2} \times 1$ in., weight 1400 gr.

Basic Set No. 99, the smallest of the MÄRKLIN Construction Sets (formerly No. 00), contains the new wheels with tyres as well as a number of flexible coloured plates. Attractive models can be built with this apprentice set.

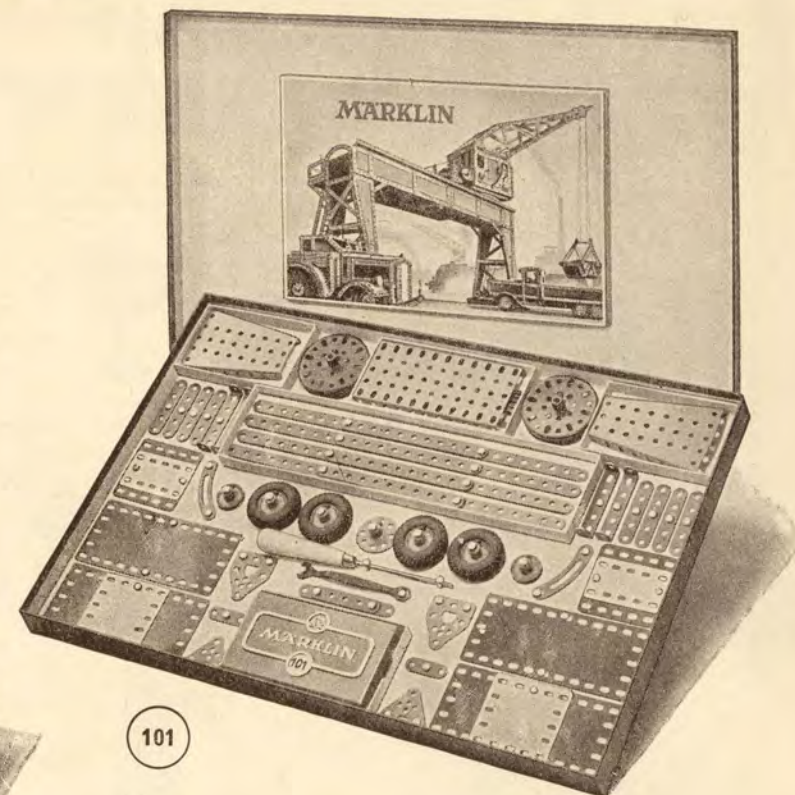


100

Basic Set No. 100

Contents 220 parts incl. clips. Size of box $16 \times 12 \times 1$ in., weight 1900 gr. Formerly set No. 0.

With every larger set the versatility is increasing and also the number of models which can be built with it.



101

Basic Set No. 101

Contents 302 parts incl. clips. Size of box $20\frac{3}{4} \times 10\frac{1}{2} \times 1\frac{1}{4}$ in., weight 2300 gr.

Basic Set No. 101 (formerly Set No. 1) is one of the most favourite sets. The instruction books 71a and 71b which are included with this set, contain illustrations for the construction of more than 250 different models.

The new Additional Instruction Book No. 71z is supplied with every new Construction Sets.

Basical Set No. 102

Contents 466 parts incl. clips.
Size of box $20\frac{3}{4} \times 10\frac{1}{2} \times 1\frac{1}{2}$ in., weight 3700 gr.

With Basical Set No. 102 it is possible to build elaborate models designed on strictly mechanical and engineering principles. The Crane and the Windmill see page 29 are just 2 samples selected from the numerous models shown in instruction Book No. 71 z.

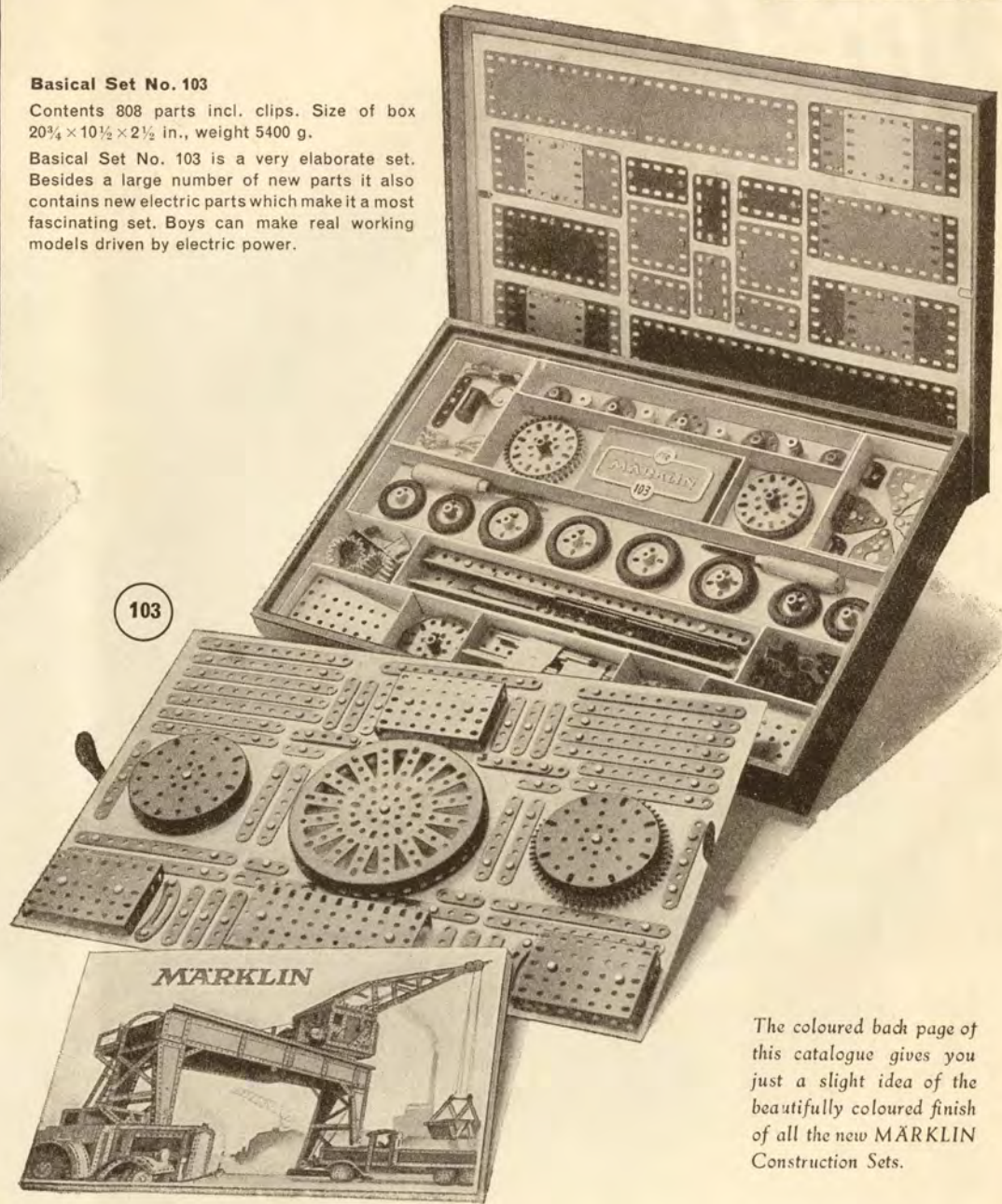


102

Basical Set No. 103

Contents 808 parts incl. clips. Size of box $20\frac{3}{4} \times 10\frac{1}{2} \times 2\frac{1}{2}$ in., weight 5400 g.

Basical Set No. 103 is a very elaborate set. Besides a large number of new parts it also contains new electric parts which make it a most fascinating set. Boys can make real working models driven by electric power.



103

Additional Sets

If you dispose of a prior MÄRKLIN Construction Set (No. 00, 0, 1, 2, 3, 4 or 5) and if you wish to convert it into a new set, get the corresponding Additional Set (see below) which contains all the necessary complementary parts.

For instance:

If you possess a prior set No. 1 and would like to modernize it into a new set 101, an additional set No. Z 101 will be what you require:

Additional Set Z 99 converts prior Set No. 00 into new basical Set No. 99									
"	"	Z 100	"	"	"	"	0	"	"
"	"	Z 101	"	"	"	"	1	"	"
"	"	Z 102	"	"	"	"	2	"	"
"	"	Z 103	"	"	"	"	3	"	"
"	"	Z 104	"	"	"	"	4	"	"
"	"	Z 105	"	"	"	"	5	"	"

The coloured back page of this catalogue gives you just a slight idea of the beautifully coloured finish of all the new MÄRKLIN Construction Sets.

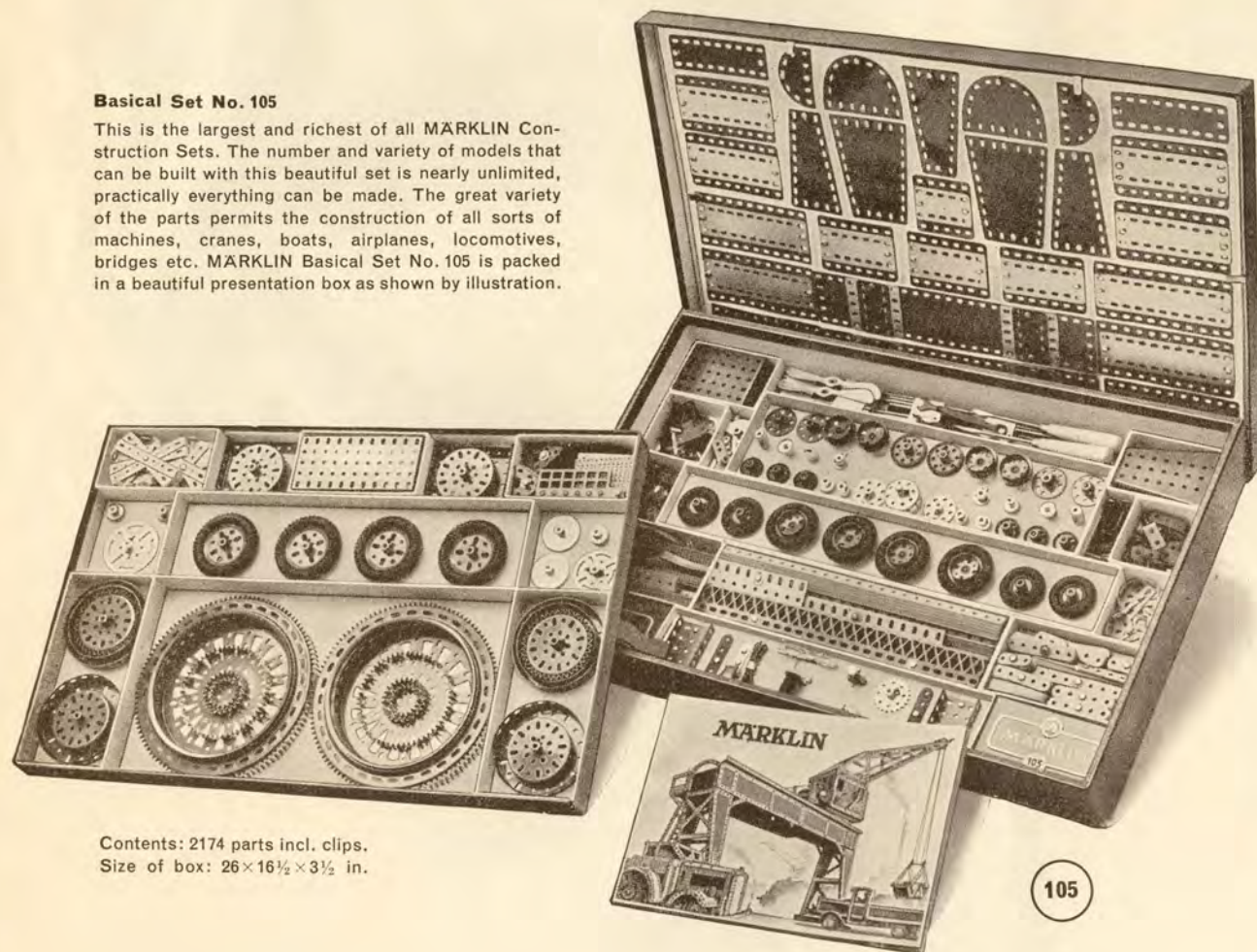
CONSTRUCTION SETS

Basical Set No. 104

(See back page of this catalogue.) Contents: 1162 parts incl. clips. Size of box: $26 \times 16\frac{1}{2} \times 2\frac{1}{2}$ in., weight 7500 gr. Basical Set No. 104 presents an elaborate range of various parts. Interesting models of larger size, true reproductions of bridges, cranes, derricks, cars, planes etc. can be built. The band-saw and the trolleybus (see page 28/29) give an idea of the possibilities of this set.

Basical Set No. 105

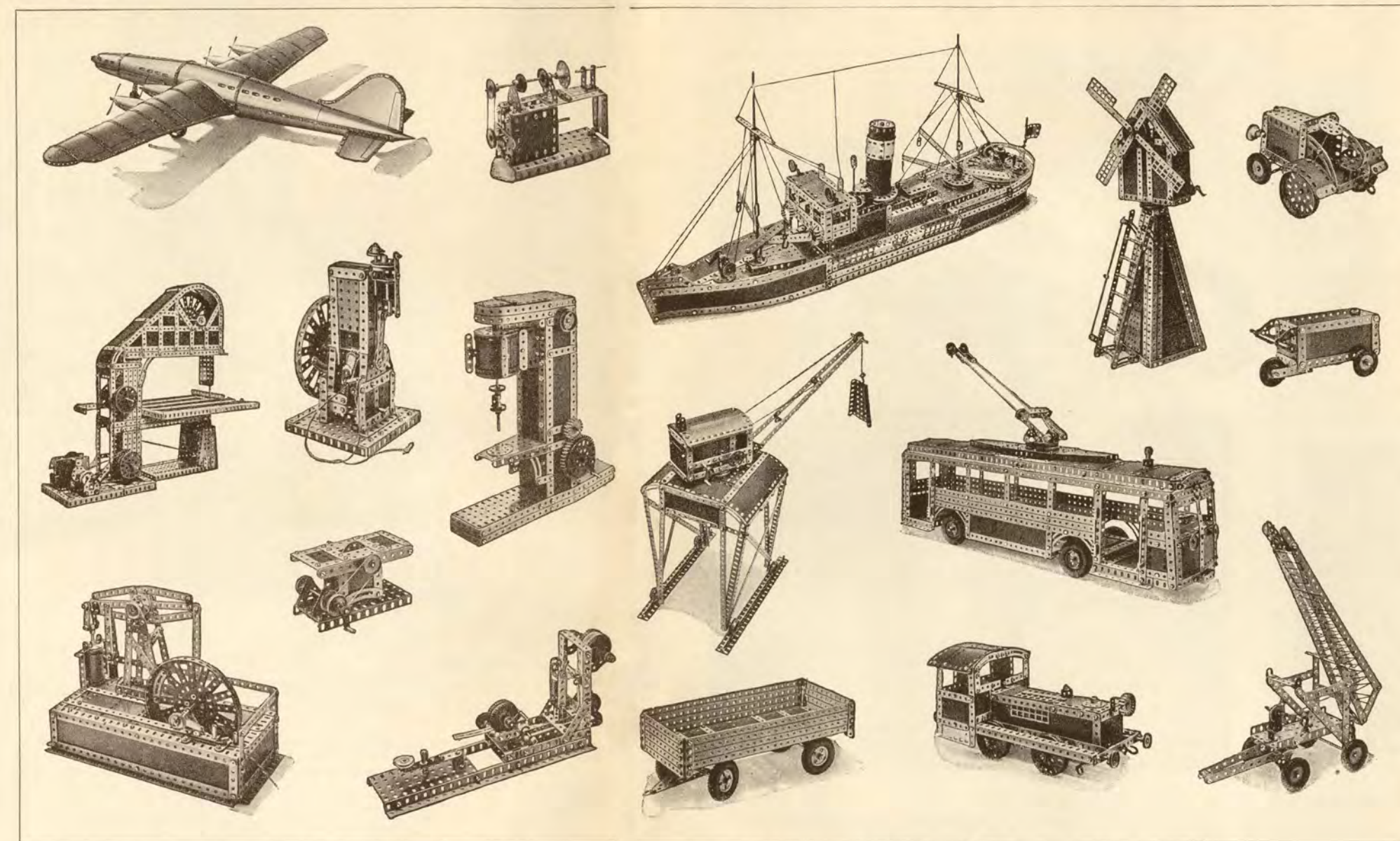
This is the largest and richest of all MARKLIN Construction Sets. The number and variety of models that can be built with this beautiful set is nearly unlimited, practically everything can be made. The great variety of the parts permits the construction of all sorts of machines, cranes, boats, airplanes, locomotives, bridges etc. MARKLIN Basical Set No. 105 is packed in a beautiful presentation box as shown by illustration.



Contents: 2174 parts incl. clips.
Size of box: $26 \times 16\frac{1}{2} \times 3\frac{1}{2}$ in.

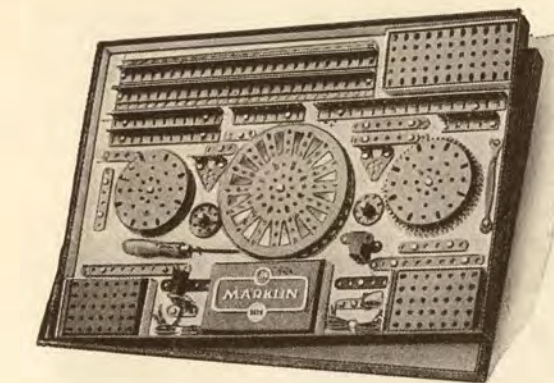
105

ALL MODELS ILLUSTRATED BELOW ARE BUILT WITH THE NEW MARKLIN CONSTRUCTION SETS



Supplementary Sets

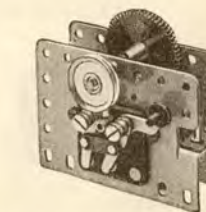
Supplementary Sets contain all the necessary parts to convert a basical set into the next larger one: If you want to convert a basical set No. 101 into a basical set No. 102 you will have to buy a supplementary set 101 A.



Supplementary Set No. 99 A (63 parts) converts Set No. 99 into Set 100
Supplementary Set No. 100 A (105 parts) converts Set No. 100 into Set 101
Supplementary Set No. 101 A (218 parts) converts Set No. 101 into Set 102
Supplementary Set No. 102 A (321 parts) converts Set No. 102 into Set 103
Supplementary Set No. 103 A (379 parts) converts Set No. 103 into Set 104
Supplementary Set No. 104 A (1232 parts) converts Set No. 104 into Set 105



201 F Clockwork Motor
with brake and reversing lever, 2 speeds,
key and instructions. In cardboard box



1301 MF Electric Motor
reversible, works on 20 volts and may be connected to
any railway set transformer.

For use with all sets No. 99—105.

MARKLIN Models are designed on strictly mechanical and engineering principles and confer a practical knowledge of technical matters always worth having.

MARKLIN Motors put life into models and nothing can be more exciting for a boy than to see models work which he has built himself.

ELECTRICAL EXPERIMENT SETS "ELEX"

MARKLIN ELEX is an experimental set complete in itself. While working with this set one becomes familiar with the fundamental laws of magnetism and electricity. The electric current, electromagnetism, telephone bell installations, the Morse telegraph, and many such things which are daily encountered, lose their mystery. MARKLIN Elex also provide valuable knowledge for school and practical life. MARKLIN ELEX Sets contain, apart from the various parts used a comprehensive and richly illustrated instruction manual; an ordinary pocket lamp battery suffices to begin experimenting. In conjunction with MARKLIN Construction Sets, MARKLIN ELEX presents almost unlimited possibilities.



ELEX No. 501

Basic Set with instruction book for some 60 experiments. Size of box 13×8½ inches.



ELEX No. 502

Basic Set with instruction book for over 100 experiments. Size of box 17×9 in.



13470 UG Transformer Set

for experimental use, tapings giving tensions of 4, 6, 9, 12, 17 and 20 volts, capacity about 12 watts. With automatic circuit breaker and red control lamp, connecting cable and 2 plugs 13491 S. For connection to 110, 125, 150 or 220 volts alternating current. **State voltage when ordering.**

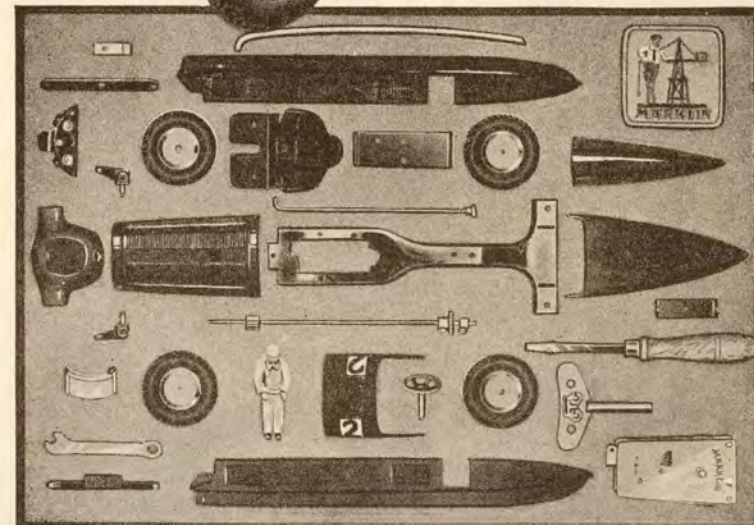
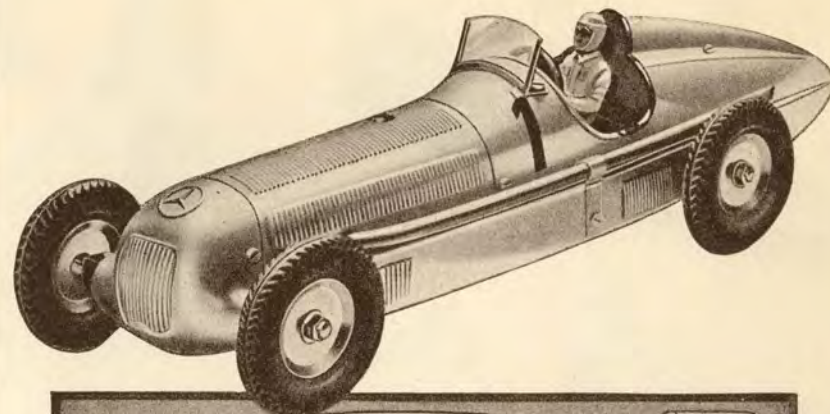


ELEX No. 503

Basic Set with enlarged instruction book for over 160 experiments. Size of box 22½×11 in.

RACING CAR CONSTRUCTION SET

This Car Construction Set contains all the parts required, including clockwork motor and driver, for the construction of the Mercedes racing car illustrated below. Accurate model, steering wheel, stub axles, length of chassis 8¼ in., length overall 11½ in.



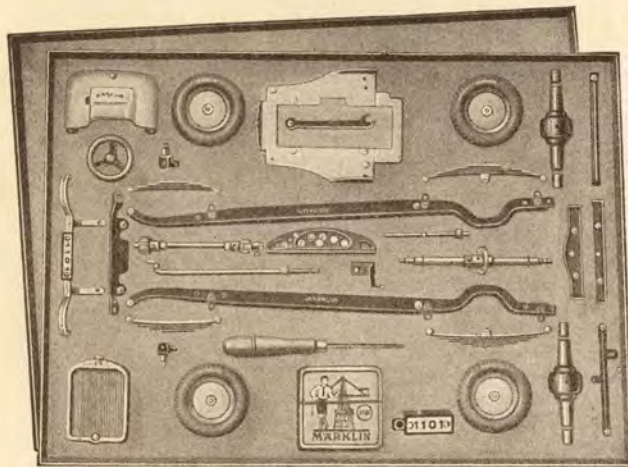
1133 Racing Car Construction Set

Racing Car, set out in box with clockwork motor and driver, detailed instructions for the construction of the illustrated racing car.

ELEX Set No. 502 only can be supplied at present.

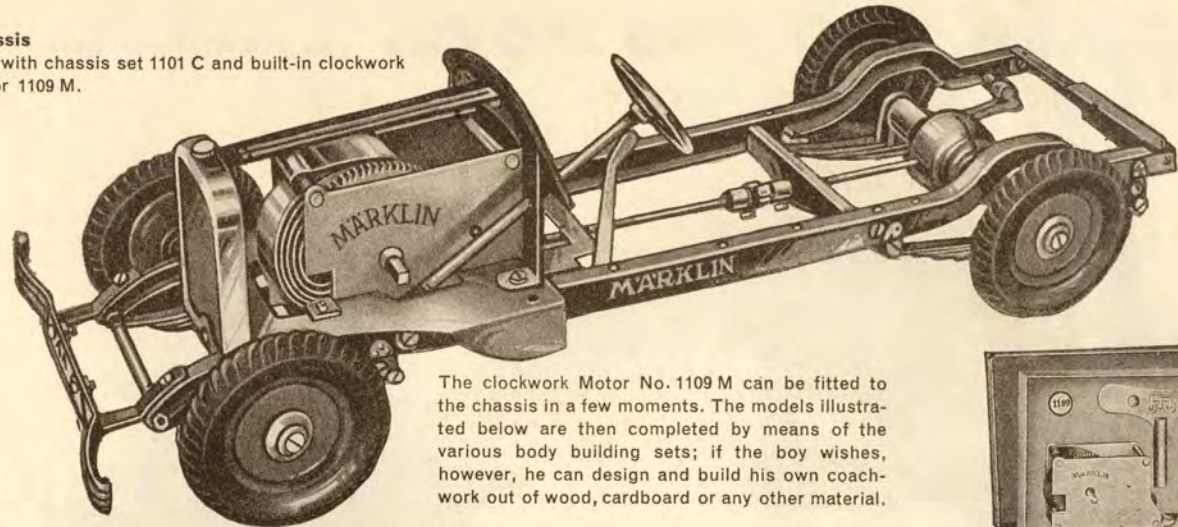
CAR CONSTRUCTION SETS

MARKLIN



Chassis Set No. 1101 C — serves as a basical set for the various models. A true model of a chassis 14 in. long can be assembled, all the fittings are there: frame, springs, differential, driving shaft, steering etc. It can quite easily be assembled with the help of the comprehensive and richly illustrated instruction book which is supplied with each set.

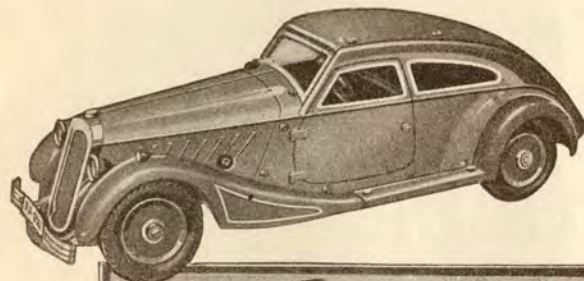
Chassis
built with chassis set 1101 C and built-in clockwork motor 1109 M.



The clockwork Motor No. 1109 M can be fitted to the chassis in a few moments. The models illustrated below are then completed by means of the various body building sets; if the boy wishes, however, he can design and build his own coachwork out of wood, cardboard or any other material.

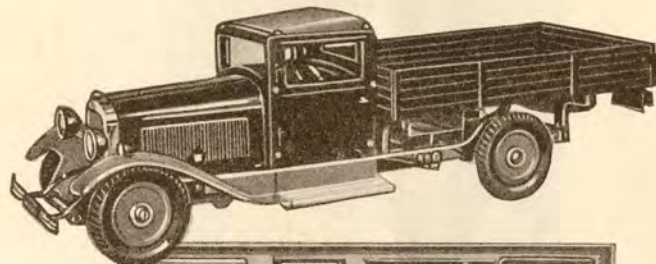


1109 M Clockwork Motor
in box, with key, to be fitted to the chassis built with set 1101 C



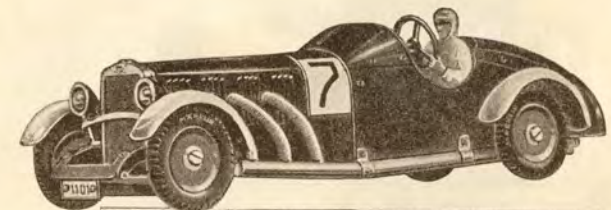
1103 St Streamline Body Set

green, to be fitted on to the chassis built with chassis set 1101 C. Set out in box. With instructions.



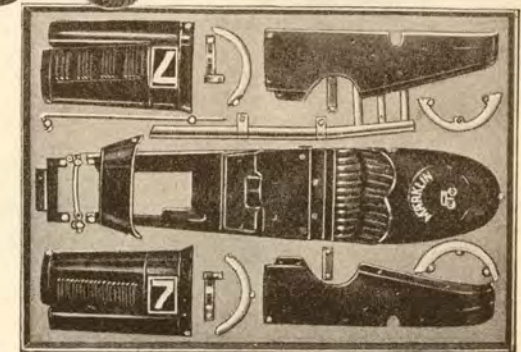
1105 L Truck Body Set

red, set out in box, to be fitted on to the chassis built with chassis set 1101 C. With instructions.



1107 R Racing Body Set

red, set out in box, to be fitted on to the chassis built with chassis set 1101 C. With instructions.



MÄRKLIN

ELECTRIC COOKING STOVES • Children ranges

for 110-125 or 220-250 volts alternating or direct current



EI 9619/2 Electric Children Range
without control light. Two heat units and oven. With stew pot 9681 and boiling pot 9682.
Size of plate $9\frac{1}{2} \times 7\frac{1}{4}$ in. Height of plate 9 in.



EI 9629/2 Electric Children Range
with control lights, two heat units and oven, stew pot 9681 and boiling pot 9682.
Size of plate $9\frac{1}{2} \times 7\frac{1}{4}$ in. Height of plate 9 in.

MÄRKLIN Electric Children Ranges are delivered without connecting cable. In case a suitable cable is not available, get our connecting cable No. 3537, length 2 yards, with plug and socket. The consumption of current is relatively small: about 150 watts for every heat unit and about 100 watts for the oven.



9685 Frying Pan
polished aluminium,
diameter $3\frac{1}{4}$ in.

These electric ranges have been designed from modern electric stoves. They actually cook, boil, fry and bake just like real electric ranges. The heat units are embedded in iron grids mounted on a black enamelled table plate, white enamelled sides give the range its beautiful finish. The oven doors have glass windows. All stoves are supplied with pots made of strong aluminium and finely polished.

The ranges with control lights are particularly fascinating; as soon as such a range is connected, the oblong control light shows and remains showing until the range is disconnected. Apart from this each heat unit has its own circular red light which shows as soon as that heat unit is turned on. It can be seen, therefore, immediately whether the range is connected up and which heat units are in use.

The oven also has a control light and it is especially interesting to watch the baking process through the window of the oven door.



EI 9629/3 Electric Children Range
with control lights. Three heat units and oven, stew pot 9681, boiling pot 9682 and tea kettle 9683.
Size of plate $11\frac{1}{2} \times 9$ in. Height of plate 9 in.

Maximum of safety and efficiency are the main features of Märklin Electric Children Ranges.

Printed in Germany

The new **MARKLIN** Streamline Train Gauge 00 (16,5 mm) 20 Volts

MARKLIN

Supplement to Catalogue **D 47**

00

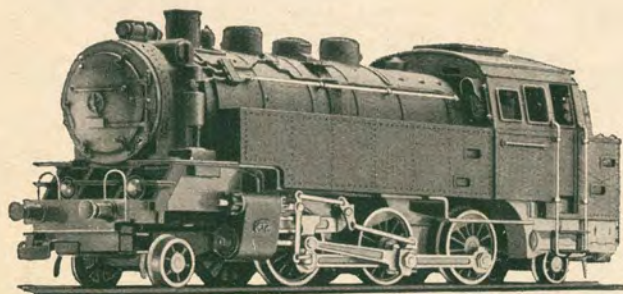
The MARKLIN Streamline Train illustrated below is a true scale model of one of those speedliners flashing now across our countries. It is built in 3 sections and can negotiate even the sharpest curves without any trouble, in spite of its length of 22 in. The 3 sections are coupled together by a very simple device and the train can easily be extended by 2—3 middle sections St 800 M.



ST 800 Electric Streamline Train

Built in 3 sections · True model of a modern streamliner · 3 white electric headlights · 2 red electric rearlights · Celluloid windows · Optional operation from overhead or third rail by means of a inconspicuous lever. For simultaneous operation of 2 trains on the same track streamline train ST 800 is supplied with fixed pantographs for overhead drive; if it is to run as a real Diesel streamliner the pantographs may be removed by simply loosening one screw with each pantograph.

Especially powerful motor · 4 bogies, 2 of them with power drive · Reliable operation of the remote control reverse · Additional lever for hand reverse · Inconspicuous lever for selecting overhead or third rail drive. · Length of train 22 in. · Weight ca. 1000 gr. · Detailed instructions with each train.



TP 800 Tender Locomotive, Super Model
The long waited for scale model switch engine!

Motor with reduction gear, especially powerful · Remote control for reversing, reliable operation · Additional hand lever inside door of smoke box · Length 6¼ in. · Weight ca. 500 gr.

Finished in dull black · 5 axles, 2-6-2, unbreakable cast body · Wheels, valve gear etc. true to scale · 2 electric headlights at both ends which burn according to direction of travel · Massive bogies with special protection against derailment.

Freight Cars Super-Models Gauge 00

Perfect miniatures of the real cars · Made of unbreakable cast metals · Mounted on new type bogies with flexible sides which guarantee an absolutely safe running · The automatic couplings are mounted on the bogies, therefore reliable operation also on curved track.

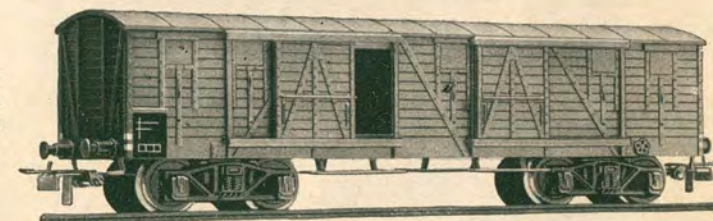
331

Open Goods Truck
brown, mounted on double bogies · Length 5¼ in.



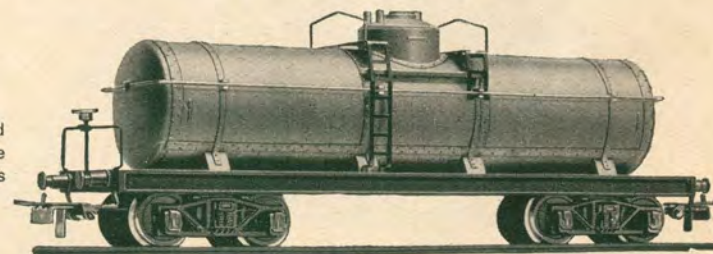
332

Closed Goods Truck
brown, mounted on double bogies, sliding doors. Length 5¼ in.



334

Oil Tanker
Silver painted, mounted on double bogies, brake railings, ladder, rivets etc. true to scale. Length 5¼ in.

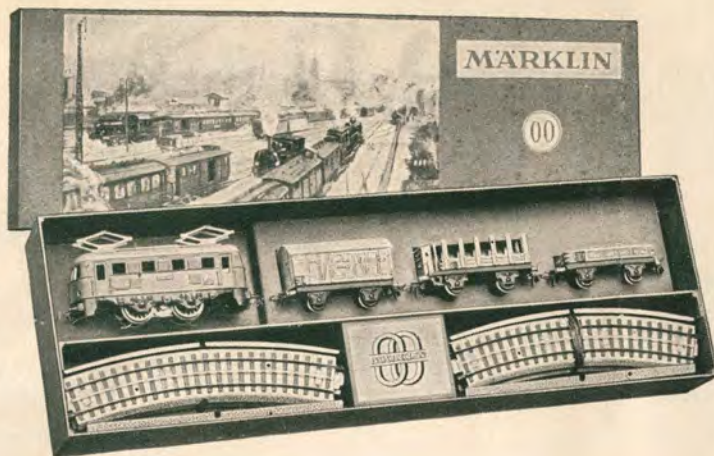


The Small Gauge 00 Set for the Beginner

00

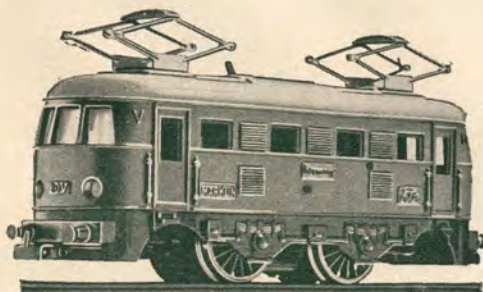
This is a small set complete in itself which can be enlarged as any other MÄRKLIN Gauge 00 set. It is packed up in a nice presentation box containing locomotive, cars, tracks and instruction for running a freight train on a track oval of 30 x 37 in.

Transformer No. 260 — see illustration below — is packed separately and supplied with each set.



RS 790/3 Freight Train Gauge 00 with Transformer

Set consists of locomotive RS 790, freight cars 364, 372 and 382, connecting track 3600 AAN, 11 sections of curved track 3600 AN, 2 sections of straight track 3600 DN, transformer 260 and instructions. Length of train 16 1/4 in. — Please state voltage when ordering.



RS 790 Electric Locomotive Gauge 00

2 axles, with hand reverse, electric headlight, finished in red and black. Length 6 in. • Weight ca. 300 gr.



260 Transformer

Specially built for Train Set RS 790/3 Rheostat speed control, two zero positions, red control light, connections for train, lights and electromagnetic accessories, desk shaped blue casing. Capacity 10 VA.

Absolutely safe in use!

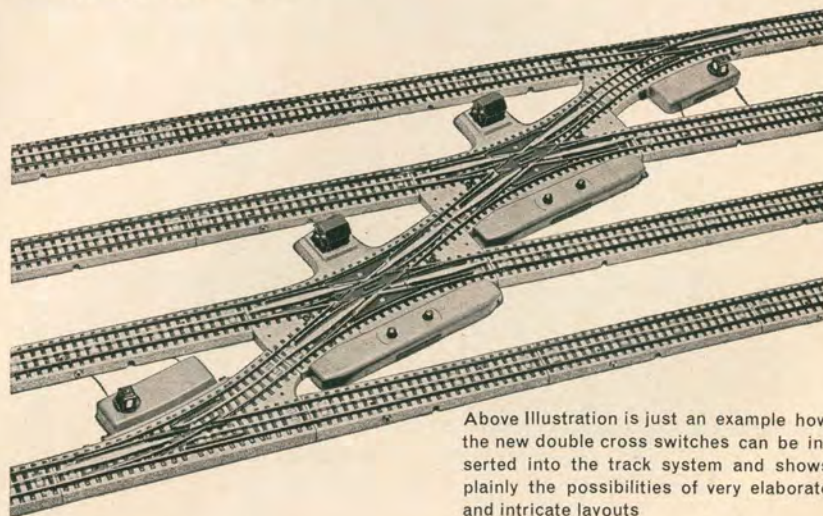
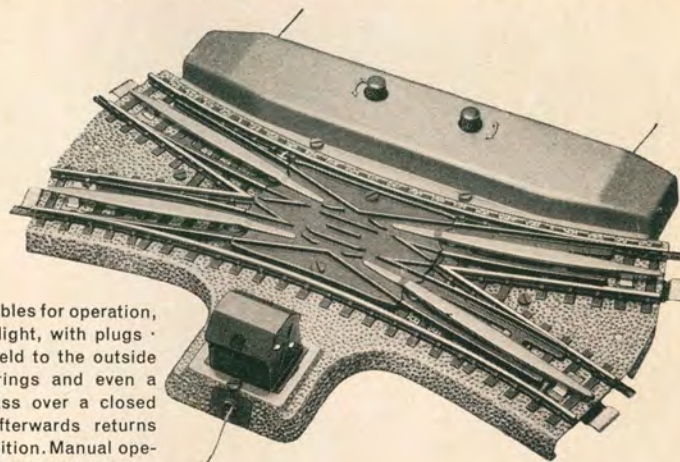
Supplied for 110, 125 or 220 Volts Alternating Current. State voltage when ordering.

The perfect **MÄRKLIN** Double Cross Switch Gauge 00 for Remote Control

Non-derailing, reliable operation. Only now it is possible to duplicate real railroad track plans and to set up shunting yards and terminals which are exact copies of the real thing.

3600 DKW Double Cross Switch

Electromagnetic Remote Control, electric lantern showing 4 different signs according to position of switch. 2 black cables for operation, yellow cable for light, with plugs. The points are held to the outside rails by soft springs and even a light car may pass over a closed switch, which afterwards returns to its original position. Manual operation is possible by 2 turning knobs. Length of switch 7 1/2 in.



Above illustration is just an example how the new double cross switches can be inserted into the track system and shows plainly the possibilities of very elaborate and intricate layouts



474/8

Control Board

for operating switches, signals etc. · With 8 single pole connections · Illuminated by 2 lamps 499 · Size $5 \times 1\frac{1}{4}$ in.
With a set of figures for optional insertion into the board.



433 G/12

Set of Number Boards
for marking switches, signals etc. of a layout · Set consists of 12 cast bases, 1 set transfer-pictures marked 1—48 (fitting to control plates 474/4 and 474/8 B) and a set of number boards (1—24) to be mounted into the slits of the bases. Packed in cardboard box. Size $6\frac{1}{2} \times 4$ in.

The new electromagnetic Signals

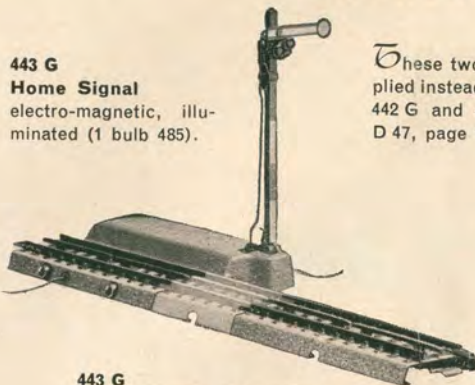
MARKLIN

00

443 G

Home Signal

electro-magnetic, illuminated (1 bulb 485).



443 G

Mounted with interrupter rail for automatic train control · Height $4\frac{1}{4}$ in. · With a second interrupter rail 3600 UNN for third rail drive. Length of the interrupter rail $3\frac{1}{2}$ in.

These two signals are now supplied instead of the former signals 442 G and 478 G (See Catalogue D 47, page 10).

479 G

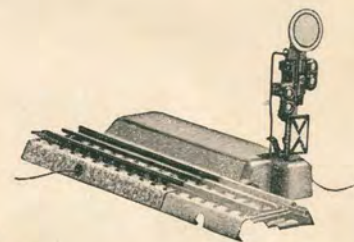
Daylight Signal

electro-magnetic, illuminated (1 bulb 485), shows either red or green light · Mounted with interrupter rail for automatic train control and with a second interrupter rail 3600 UNN for third rail operation · Height $3\frac{1}{2}$ in. · Length of the interrupter rail $3\frac{1}{2}$ in.

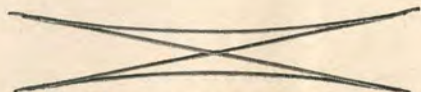


437 Distant Signal

electro-magnetic, illuminated (2 bulbs 485), shows either green or yellow light · Mounted with track section 3600 D $\frac{1}{2}$ · Height 3 in.



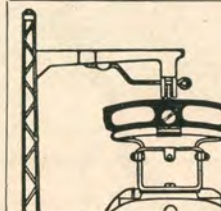
For overhead operation of the Signals 443 G and 479 G a Set No. 407 GS is necessary, which consists of 2 masts 407 MS and 2 interrupter pieces 407 UN.



407 DKW Overhead Section for double cross switch 3600 DKW

800 ZB Pantograph Extension

In order that the locomotives with the former and smaller pantographs may be used with the new masts it is necessary to add an extension 800 ZB, which can be clipped and screwed on any such former type without difficulty. Two of these extensions are necessary for each electric type locomotive.

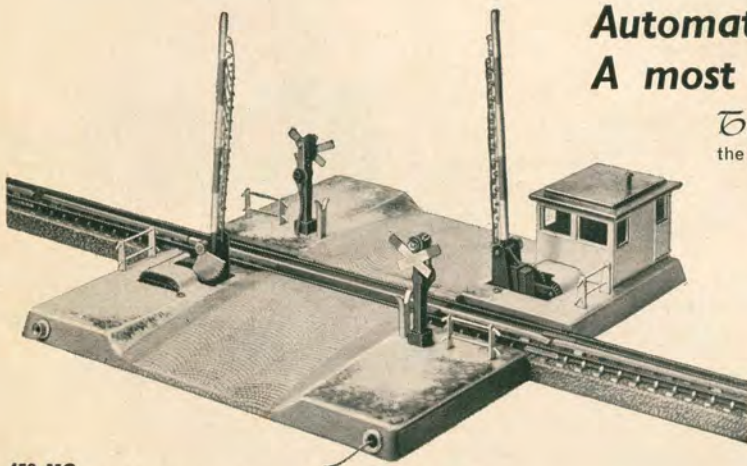


Automatic Crossing Gates

A most realistic supplement for every layout Gauge 00

The barriers are closed automatically by passing train and a red control light shows at the same time · Only when the last car has passed the barriers open again automatically and the light is extinguished.

The set consists of 2 automatically operated barriers, 2 electrically illuminated warning signals, guard's house and contact tracks 28 in. long.
Size, if mounted as illustration shows, $7\frac{1}{4} \times 3\frac{1}{2}$ in. The more contact track sections 3600 KG are inserted the earlier will the barrier be lowered by approaching train.



459 MG

Automatic Crossing Gates

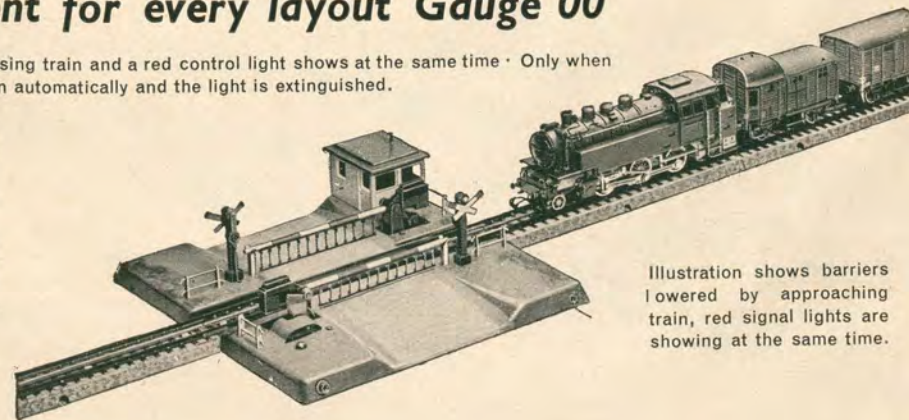


Illustration shows barriers lowered by approaching train, red signal lights are showing at the same time.



467/2 Arched Bridge
Finished in grey · With mounted track 36 cm long · Slits for 2 bridge masts 407 MB · Height of arch 11,7 cm.



465 Plate Girder Bridge
Finished in grey · With mounted track 18 cm long · Height of bridge 2,6 cm.



466 Girder Bridge
Finished in grey · With mounted track 18 in. long · Height 4,5 cm.

The building of real Model Bridges for Gauge 00

is now possible without any difficulty. With the new bridges and bridge sections accurate reproductions of modern railway bridges with approaching ramps etc. can be built up. The bridge piers 467 P/6 and 467 P/30 fit together like parts of a construction set; they can be used for erecting piers of any desired height from 6 to 12, 18, 24 mm and more. The base plate 467 P/3 serves as foundation for the piers.

The heaviest grade over which our locomotives will pull a train is about 4% and to reach the height of a pier 467 P/30 five track sections are necessary which are mounted on 1, 2, 3 and 4 pier sections 467 P/6 (see instructions).



407 MB Bridge Mast for mounting overhead equipment on the new bridges 455, 466 and 467/2 · Height 11 mm.



467 P/30 Bridge Pier
Brickwork imitation, finished in brown · Can be raised by additional sections 467 P/30 on 467 P/6 · Height 30 mm.



467 P/6 Bridge Pier
Finished in brown · For building approaching ramps · Height 6 mm.



467 P/3 Base Plate
Finished in green. Height 3 mm.

MODERN STATION SET

419

415

423

Can be used as Through Station or as Terminal Station.

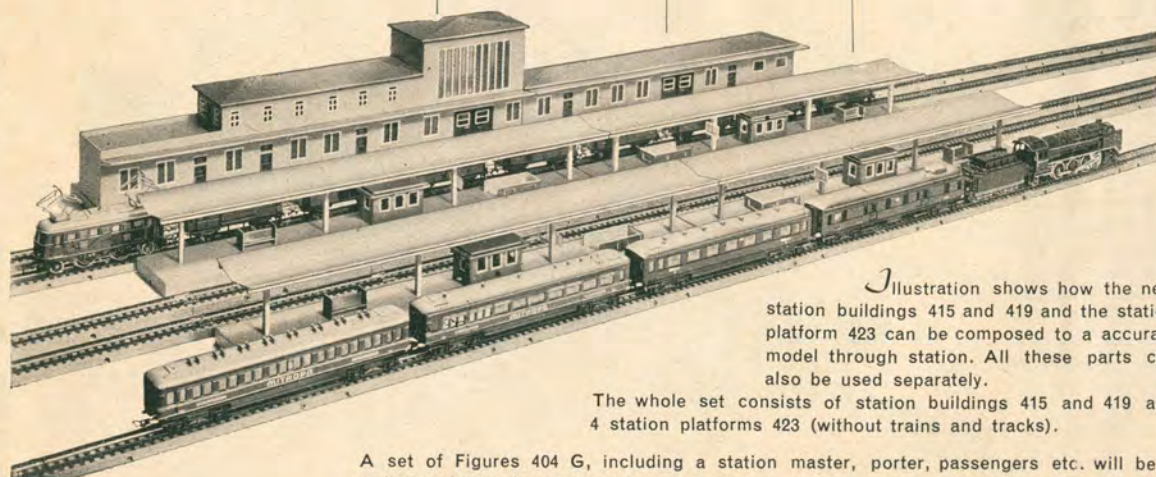


Illustration shows how the new station buildings 415 and 419 and the station platform 423 can be composed to a accurate model through station. All these parts can also be used separately.

The whole set consists of station buildings 415 and 419 and 4 station platforms 423 (without trains and tracks).

A set of Figures 404 G, including a station master, porter, passengers etc. will be a realistic addition to this model station set.

415 Station Building

Can be used separately or together with main building 419 · Cut out windows with celluloid panes, doors to open, provision for electric illumination with station light 481. Size 44,5×13,5×8 cm.



419 Station Main Building

with entrance hall and terrace. Cut out windows with celluloid panes, doors to open, imitation clock, removable roofs, provision for electric illumination with station light 481. Size: 51,5×13,5×16 cm.



423 Station Platform

suitable for stations 415 and 419 or any other station set. With waiting room, stairs to subway, seats, timetable board. Size: 51,5×8×8 cm.



GEBR. MÄRKLIN & CIE. ^{GM}_{BH} · GÖPPINGEN/WTTBG.
MANUFACTURERS OF HIGH CLASS METAL TOYS

Printed in Germany

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MÄRKLIN



104

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"	HR 800 N	36.—
3	MS 800.	42.—
"	CCS 800	55.—
4	RS 800 N	16.—
"	ES 800	22.—
"	T 800	15.—
5	T 865/4	38.—
"	RS 827/4	39.—
"	ES 841/4	49.50
"	HR 841/4	100.—
"	MS 841/4	110.—
"	SK 851/4	105.—
37	280 A	24.—
6	3600 A 1/1 N	—60
"	" A 1/2 "	—50
"	" A 1/4 "	—45
"	" D 1/1 "	—60
"	" D 1/2 "	—50
"	" D 1/4 "	—45
"	" D 1/8 "	—45
"	" D 3/16 "	—45
"	" AA "	1.50
"	" T "	1.—
"	" K "	3.75
"	" KG "	1.10
6	" MW "	15.—
"	" W "	7.50
"	763	—65
7	310	3.60
"	311	2.75
"	312	3.—
"	314	3.65
"	" ESSO	3.65
"	315	3.—
"	316	3.30
"	320	3.65
"	321	3.65
"	" G	3.95
"	322	3.95
"	323	3.50
"	324	3.95
"	325	3.95
"	326	3.95
"	361 G	4.75
8	362	1.60
"	364	1.25
"	366	2.50
"	367	2.70
"	371	1.70
"	372	1.70

Main Catal. page	No	each USA \$
8	372 G	2.—
"	374 S	2.50
"	" ESSO	2.50
"	381	1.60
"	382	1.60
"	386	1.60
"	390	2.70
"	391	2.70
"	392	3.95
9	351	5.50
"	352	5.50
"	" J	5.50
"	353	5.50
"	" J	5.50
"	354	5.95
"	" J	5.95
"	" B	9.75
"	327	1.90
"	328	1.90
"	341	2.75
"	342	2.75
"	" J	2.75
"	343	2.75
"	" J	2.75
"	344	3.35
"	" J	3.35
"	" B	4.90
10	410 M	33.—
"	431	—75
"	432	—30
"	435	—75
35	437	7.25
10	440	—95
35	443 G	8.95
10	448/1	2.25
"	" /2	3.—
"	469	5.50
"	470	—90
"	471	1.25
"	472	1.70
"	474/4	1.95
35	479 G	8.95
10	481	1.07
"	484/1	1.20
"	" /2	2.14
"	485	—50
"	" red	—50
"	489/1	—65
"	" /2	—75
"	" T	—65
"	490/1	1.15
"	" /2	1.25

Main Catal. page	No	each USA \$
10	490 S	—15
"	" M	—15
"	495	—45
"	" red/green	—50
"	497 P	—45
"	499	—40
"	" red/green	—50
"	" white	—45
"	3600 U	—80
"	" KP	—95
"	" EKN	5.75
11	414	6.60
"	418	9.90
"	422	2.25
"	424 B	16.70
"	428	3.—
"	429	2.40
"	444	3.95
"	455	3.30
"	458 EM	8.75
"	462	—95
"	" B	2.35
"	463	4.60
"	464	7.50
"	467	2.40
"	2038 B	21.—
"	2039 B	33.—
"	" G	54.—
12	407 A 1/1	—08
"	" A 1/2	—07
"	" /2 D	—15
"	" D 1/1	—08
"	" D 1/2	—07
"	" K	—25
"	" W	—40
"	" M N	—45
"	" MAN	1.20
"	" UN	—40
"	" V	—15
"	753	1.10
13	HR 66/12920	105.—
14	R 66/12910	29.90
"	E 66/12920	50.—
"	RS 66/12910	29.—
"	RV 66/12920	39.—
"	CS 66/12920	55.—
15	R 66/12910/3	50.—
"	RS 66/12910/3	49.—
"	E 66/12920/3	85.—
37	13480	24.—

Main Catal. page	No	each USA \$
16	3610 A 1/1	—50
"	" A 1/2	—45
"	" A 1/4	—40
"	" D 1/1	—50
"	" D 1/2	—45
"	" D 1/4	—40
"	" K	5.—
"	" W	14.50
"	3620 D 1/10	—40
"	" T	1.50
"	" Z/2	—45
"	" Z/4	—45
"	13626	—75
"	2763	1.—
17	1941	21.—
"	" J	21.—
"	1942	21.—
"	" J	21.—
"	1943	21.—
"	" J	21.—
"	1944	21.—
"	" J	21.—
"	1945	21.—
"	2280 k	—75
"	" m	1.10
18	1751	5.90
"	1752	5.90
"	1753	5.90
"	1754	5.90
"	1755	5.90
"	1719	1.20
"	1720	1.20
"	1725	2.40
"	1726	2.40
"	1727	3.30
"	1728	3.30
"	1661	1.75
"	1668	4.75
"	1674 S	2.70
"	" ESSO	2.70
"	1681	2.40
"	1683	2.40
"	1687	2.40
19	1761	2.20
"	1763	3.30
"	1764	1.90
"	1771	4.25
"	1772	3.95
"	" G	4.25
"	1774 S	5.90
"	" ESSO	5.90

Main Catal. page	No	each USA \$	
19	1781	3.95	
"	1790	4.25	
"	1791	4.75	
"	1792	4.75	
"	1796	4.75	
"	1848	3.75	
"	1851	5.50	
"	1852	5.90	
"	1961 G	3.75	
"	1972	2.20	
20	3531/25	—,60	
"	" /50	—,75	
"	13437/4		
"	13438/4 pair	—,50	
"	13447	2.20	
"	13452/1	2.70	
"	13483/2	3.—	
"	13484	2.20	
"	" S	—,15	
"	" M	—,15	
"	13491 SQ	—,20	
"	" M	—,15	
"	" K	—,45	
"	" S	—,15	
20	13527	—,40	
"	" coloured	—,45	
"	13528	—,40	
"	" coloured	—,45	
"	" frosted	—,40	
"	13529 col.	—,45	
"	13532/12	1.—	
"	" /22	1.35	
"	" /32	1.70	
"	13535/12	—,65	
"	" /22	—,75	
"	" /32	—,90	
"	13581	1.10	
"	13610 WB	29.—	
"	13628	—,65	
"	13629	1.95	
"	13722	2.40	
"	13723	1.60	
"	13729/6	17.50	
"	13956 G	12.—	
"	13962 G	13.50	
21	2002 B	15.—	
"	2075 B	10.70	
"	2109	12.—	
"	2125	3.30	
"	2161	2.25	
"	2163 B	6.—	
"	2199	1.25	
"	2230 B	7.50	
"	2231 B	12.—	
"	2243	1.50	
"	2246	2.75	
"	2328	1.75	
"	2337	1.45	

Main Catal. page	No	each USA \$	
21	2499	2.75	
"	2500	4.50	
"	" EI	5.50	
"	2736 G	1.70	
22	R 880	6.75	
"	R 890	8.75	
"	RV 890	9.—	
"	R 910	15.—	
"	R 880/2	11.90	
"	R 890/3	17.—	
"	R 890/25/3	19.90	
22	RV 890/3	17.50	
"	R 910/3	31.—	
"	1620 A 1/1	—,30	
"	" A 1/2	—,25	
"	" A 1/4	—,20	
"	" D 1/1	—,30	
"	" D 1/2	—,25	
"	" D 1/4	—,20	
"	" D 3/10	—,20	
"	BU	—,30	
"	DAU	1.50	
"	" K	2.25	
"	" WB	4.90	
23	4095/4	18.—	
"	" /5	25.—	
"	4097/6	39.—	
"	" /92/6	55.—	
"	4375	—,60	
"	4376	—,60	
24	4097/7	48.—	
"	" /92/7	75.—	
"	4098/92/8	125.—	
"	3392/0	9.—	
25	4383/25	3.25	
"	" /50	5.75	
"	4190/2	3.30	
"	4251/1	3.—	
"	4254/1	3.95	
"	4264	9.—	
"	4300	6.—	
"	4316	5.20	
"	4353	7.95	
"	4355	9.—	
"	4361	2.20	
"	4365	5.50	
"	4366	2.20	
"	5521/9	—,90	
"	" /14	—,90	
25	" /20	1.50	
"	" /21	1.—	
"	" /35	1.75	
"	" /51	1.—	
"	" /61	—,90	
"	" /62	—,90	
25	5522/81	4.50	
26	99	3.50	
"	100	5.50	

Main Catal. page	No	each USA \$	
26	101	8.50	
27	102	16.—	
"	103	27.50	
28	104	45.—	
"	105	85.—	
27	Z 99	2.25	
"	" 100	2.25	
"	" 101	2.60	
"	" 102	5.—	
"	" 103	8.50	
"	" 104	13.50	
"	" 105	45.—	
29	99 A	2.30	
"	100 A	3.50	
"	101 A	8.50	
"	102 A	12.—	
"	103 A	14.50	
"	104 A	45.—	
"	201 F	8.98	
"	1301 MF	10.55	
30	501	12.50	
"	502	20.—	
"	503	45.—	
"	13470 UG	14.20	
"	1133	16.50	
31	1101 C	12.50	
"	1103 St	12.—	
"	1105 L	10.75	
"	1107 R	9.—	
"	1109 M	5.25	
32	El 9619/2	29.90	
"	EL 9629/2	39.—	
"	EL 9629/3	50.—	
"	3537	2.40	
"	9685	1.50	
"	9753	—,95	

Supplement 1/48

Supplement 1 1948 page	No	each USA \$	
33	ST 800	75.—	
"	TP 800	35.—	
"	331	5.50	
"	332	7.50	
"	334	8.50	
34	RS 790/3	40.—	
"	RS 790	12.—	
"	260	16.—	
"	3600 DKW	27.—	
35	407 GS	3.30	
"	" DKW	—,55	
"	433 G/12	2.25	
"	437	7.25	
"	443 G	8.95	
"	459 MG	17.95	

Supplement 1 1948 page	No	each USA \$	
35	474/8 B	4.95	
"	479 G	8.95	
"	800 ZB	—,20	
36	407 MB	—,50	
"	415	8.50	
"	419	15.—	
"	423	6.—	
"	465	2.75	
"	466	3.—	
"	467/2	9.—	
"	" P/3	—,50	
"	" P/6	—,65	
"	" P/30	—,95	

Supplement 2/49

Supplement 2 1949 page	No	each USA \$	
37	280 A	24.—	
"	311 H	3.30	
"	" K	3.30	
"	" S	3.30	
38	399	1.50	
"	404 G	1.75	
"	407 G/41	23.—	
"	" MV	—,07	
"	408 A	—,12	
"	" A 1/2	—,10	
"	451 G	33.—	
"	456	17.—	
"	438	3.75	
38	468 A	3.—	
"	" D	3.—	
"	490 SQ	—,20	
37	T 790	12.50	
38	ST 800 MT	9.—	
37	TM 800	16.50	
"	DL 800	65.—	
"	TW 800 N	39.—	
"	TM 865/4	39.—	
"	MS 841/4	110.—	
"	T 790/3	45.—	
38	3600 DAN	1.50	
"	" MWG	28.—	
"	" /621	94.50	
"	3700 A 1/1	—,75	
"	" A 1/2	—,60	
"	5521/52	1.50	
"	5521/25	2.25	
"	5522/81 G	6.90	
37	13480	24.—	