



D 51 E

MÄRKLIN

H0



MÄRKLIN

With the exception of the mechanical locomotives and trains shown on pages 44 and 45, this catalog deals primarily with H0 gauge trains. Those interested in 0 gauge should ask for our booklet "The Large 0 Gauge" which may be obtained from any authorized dealer.

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The factory sells only through dealers, never direct to the public.

GEBR. MÄRKLIN & CIE., GMBH.

Manufacturers of Fine Metal Toys

GÖPPINGEN / WURTEMBERG

TO 9 51 br

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To **MÄRKLIN** Fans all over the World !

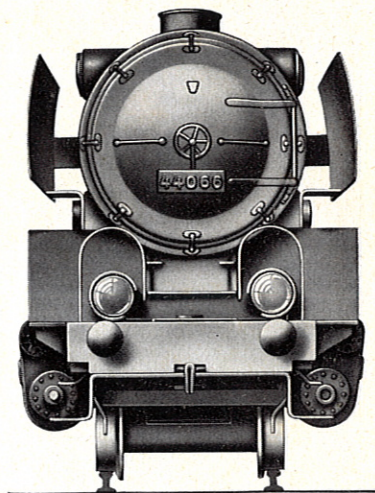


To own a model railroad layout, a faithful reproduction of prototype railroad operation, is probably one of the most urgent desires of our male population. A look back over the years of the railroads' growth will show that this desire is not new. The fan of to-day has an easy job, however, for the universally honored **MÄRKLIN** trains reproduce every detail and remove every difficulty for him. Now it is possible for anyone to own a realistically operating model railroad and expand it by adding to it through the years with the available space as his only limitation.

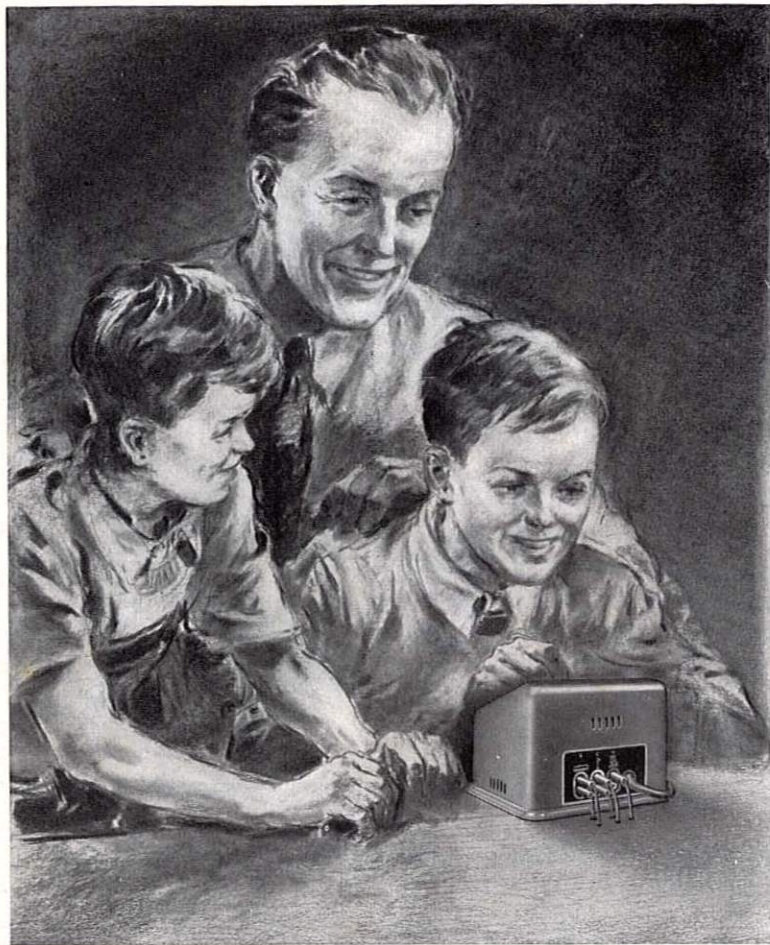
The **MÄRKLIN** 3-rail system allows for the greatest versatility in planning and operation. It corresponds to prototype in every detail regardless of whether the current is taken from the overhead wire or third rail.

A look at the pictures and words of this catalog, especially the new items, will attract an ever widening circle of friends and bring **MÄRKLIN** many new fans. The purpose of this catalog is to help the fan to select those items which he needs and wants the most. However, once again it cannot be overemphasized that it is necessary to place orders early. In the last weeks before Christmas dealers' inventories will no longer be complete and disappointment may result.

We wish our friends much fun when they study this catalog and sincerely hope that their selections will be turned into reality, for the **MÄRKLIN** trade mark is the best guarantee of accurate reproduction and dependable operation.

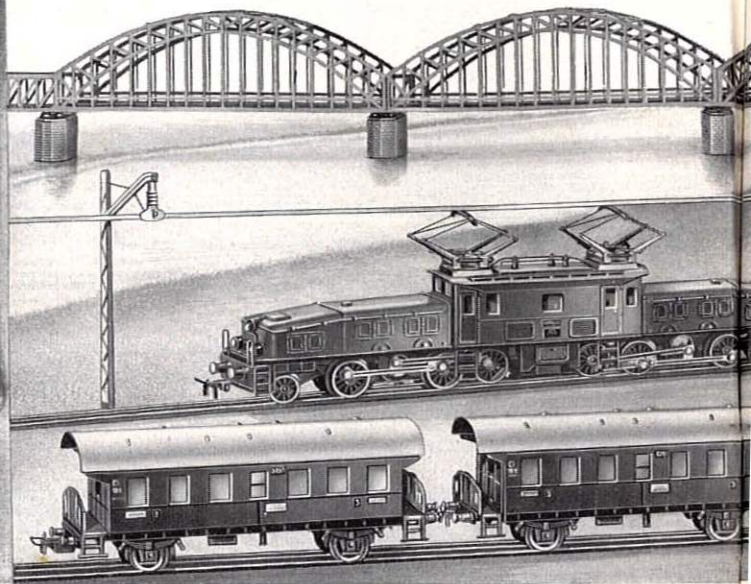


GEBR. MÄRKLIN & CIE. GMBH. GÖPPINGEN WÜRTTG.



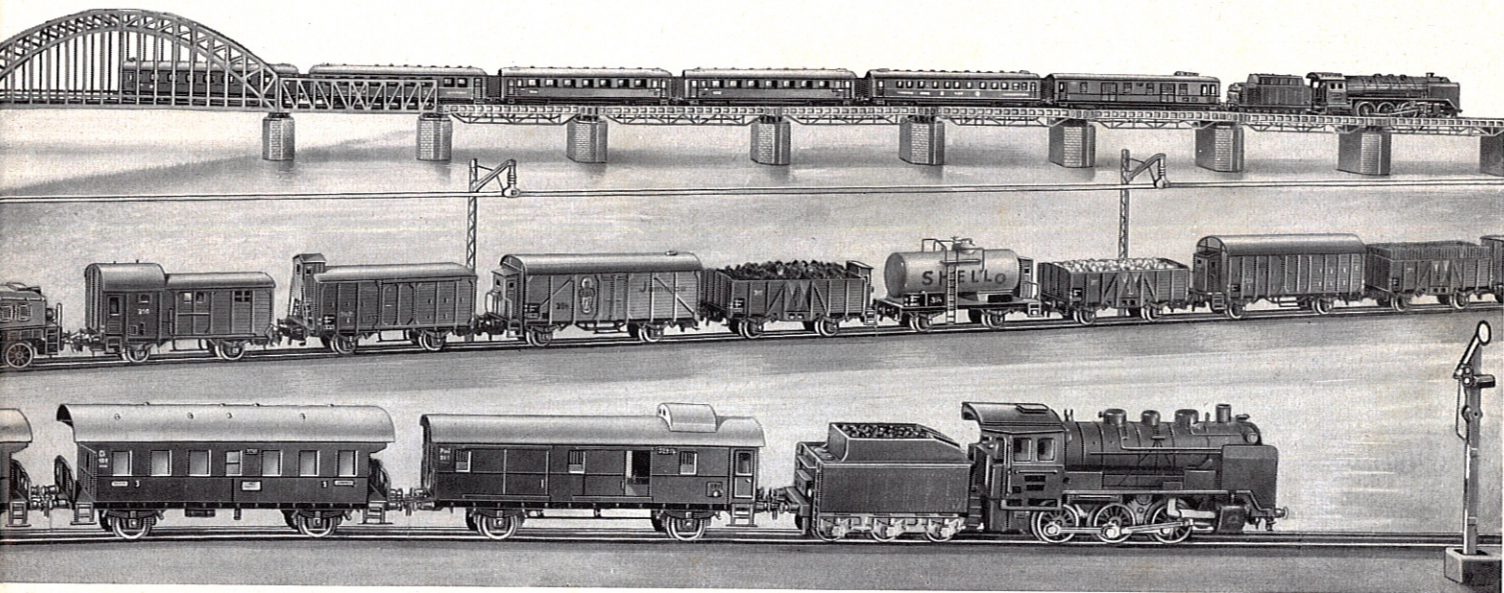
Every **MÄRKLIN** train

One can see it by the smiles on their faces—these three already are the proud owners of a **MÄRKLIN** train set, and they can't tear themselves away from the controls. Naturally Dad is right there, and rightly so, for a **MÄRKLIN** set

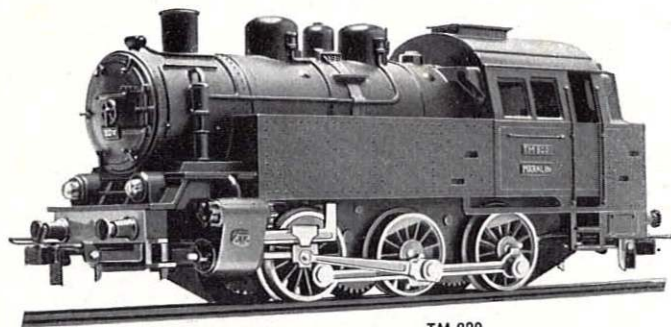


will bring happy hours through the years to come!

fascinates young and old alike and no one ever tires of operating one. Constant improvements and new items which appear every year make the selection of articles for a large layout, like the one below, a simple matter. The designers and workmen at the factory have provided the means with which the fan can put his ideas into reality. And that is the secret why a **MARKLIN** train will bring many happy hours from generation to generation.



Electric locomotives



TM 800

TM 800

6-6-0

Tank Locomotive, electrically powered • Dull black • 0-6-0 • Excellent model with extensive detail • Remote control for reversing, additional lever for manual operation • Especially suited as a switcher in connection with the remote controlled uncoupling rails • 2 electric headlights • Length (over buffers) about 5 1/4 inches • Weight about 15 oz.

The expectations which had been made of the locomotives TM and RM 800 have been by far surpassed. One of the main reasons for their popularity is the great number of uses to which they can be put. Their rugged appearance and power has made them naturals for switching and hauling light freight and local passenger trains. Their short wheel bases allow them to negotiate curves with ease. Their trim appearance is one more reason why they should be missing from no MÄRKLIN layout.

RM 800

8-4-6

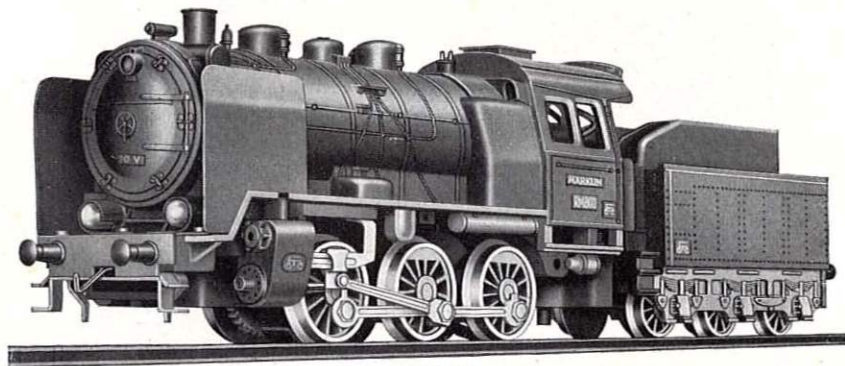
Steam Locomotive with tender, electrically powered • For mixed traffic • Black • 0-6-0 • Remote control for reversing, additional manual lever • 2 electric headlights • Length (over buffers) 8 inches • Weight 18 oz.



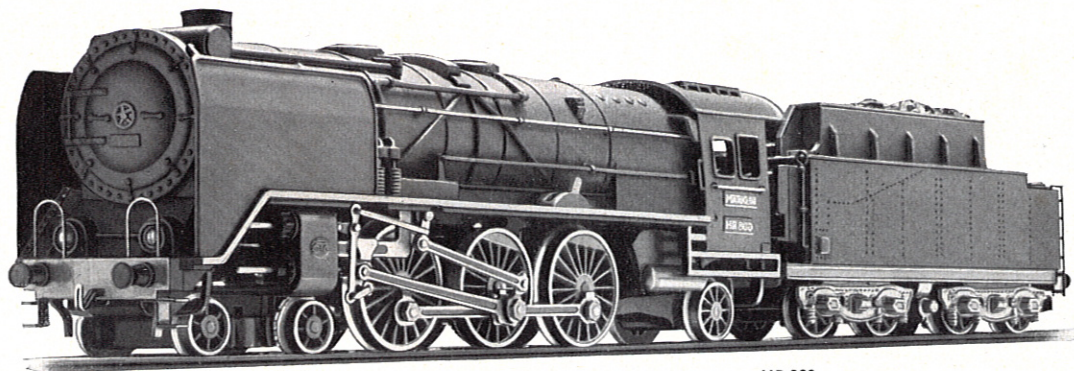
Transformer 280 A

9-11-6

For connection to the house current (110, 125, 150, or 220 volts AC) a transformer 280 A is necessary (see illustration on page 34). When ordering please specify voltage.



RM 800



HR 800

HR 800 13-18-0

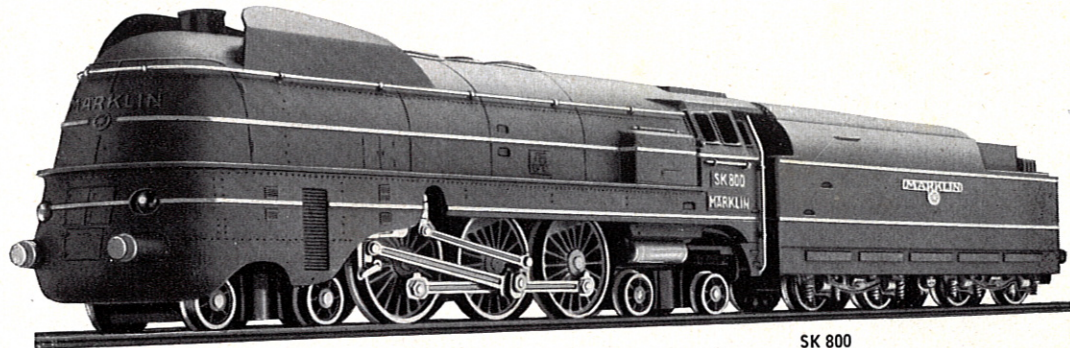
Locomotive with electric power (Steam Type) • Dull black • 4-6-2 Pacific type • 8 wheel cast tender • Unbreakable cast body with much detail added • 2 electric headlights • Exceptional power • Solidly built leading truck with spoked wheels, sprung to prevent derailment • Remote control for reversing • Reliable operation • Additional switch for manual operation • Length with tender (over buffers) about $11\frac{1}{2}$ inches • Weight about 31 oz. including tender.

The factory sells through dealers only

A quick glance at their six large drive wheels will tell the model railroad fan that these two engines are used in fast passenger traffic. Sprung trucks at both ends allow them to proceed smoothly through the curves. The Pacific and the streamlined Hudson pictured here have become the pride of many a model railroad fan.

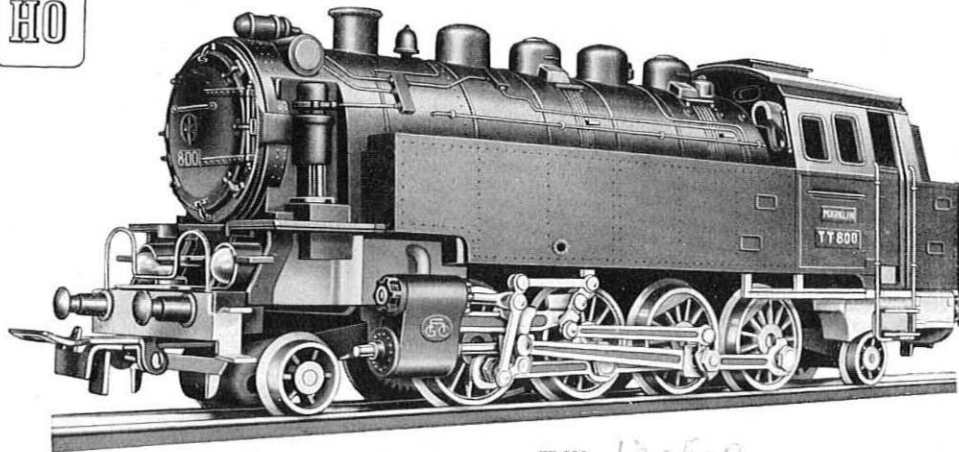
SK 800 13-18-0

Locomotive with electric power (Steam Type) • Dull black • 4-6-4 Hudson type • 8 wheel tender • Unbreakable cast body • 2 electric headlights • Motor with spur reduction gears • Exceptional power • Solidly built trucks with spoked wheels, sprung to prevent derailment • Remote control for reversing • Reliable operation • Additional switch for manual control • Length with tender (over buffers) about $11\frac{1}{2}$ inches • Weight about 31 oz.



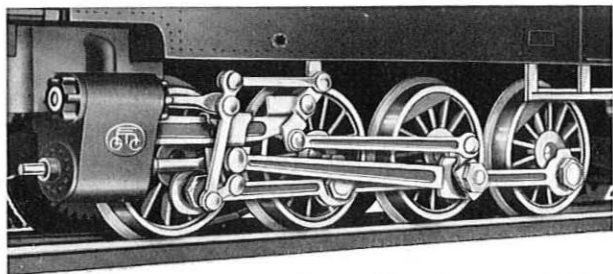
SK 800

HO



TT 800

Tank Locomotive • Scale Model • Black • 2-8-2 • Unbreakable cast body with many details • 2 electric headlights at each end which change automatically with the direction of travel • Motor especially geared for slow travel • Superb pulling power • Remote control for reversing • Additional manual lever which is reached by opening the boiler door • Length (over buffers) 6 1/4 inches • Weight 18 oz.



Close-up of the valve gear of the TT 800

Developed from the old TP 800 through the addition of another pair of drivers, the new TT 800 is at the same time as powerful and beautiful a tank locomotive as will be found anywhere in the model railroad field. A glance at the coupled 8 drivers and the finely reproduced valve gear mechanism will make it easy to understand why this model with its many possible uses will capture a place on many MÄRKLIN layouts. The motion of the valve gear fascinates many friends of the steam engine and is the reason of their preference over the electric and Diesel types.

Transformer 280 A

For connection to the house current (110, 125, 150, or 220 volts AC) a transformer 280 A is necessary (see illustration on page 34). When ordering, please specify voltage.

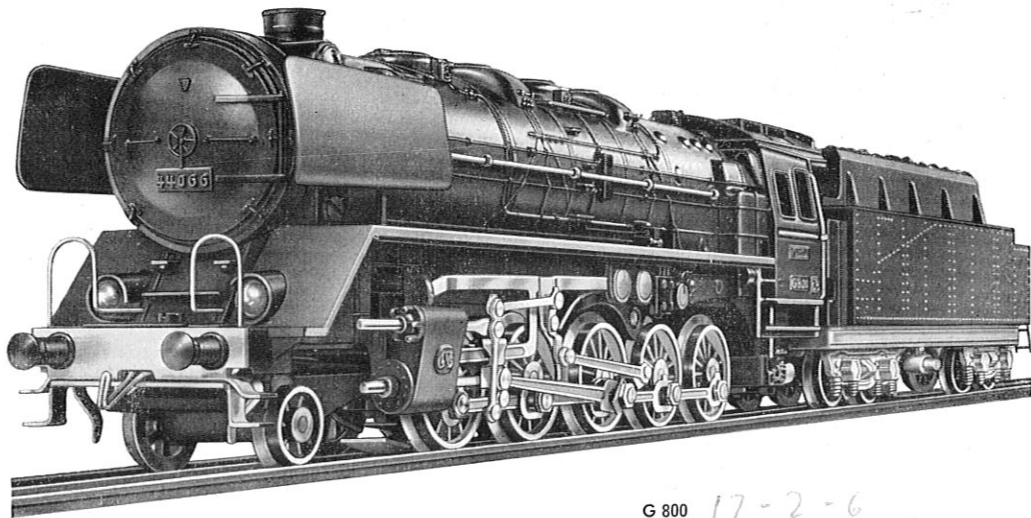


Models which all Fans desire

MÄRKLIN

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It need hardly be pointed out that this MÄRKLIN engine was the object of enthusiastic admiration from the moment it appeared on the market. Brute power combined with rakish lines are the main features of this locomotive. Watching it, one can almost hear the puffing approach of its powerful prototype with its long string of cars. The long, heavy side rods connect all the drivers without hindering their negotiation of the curves. Truly, this model, like its prototype, is a giant in performance.



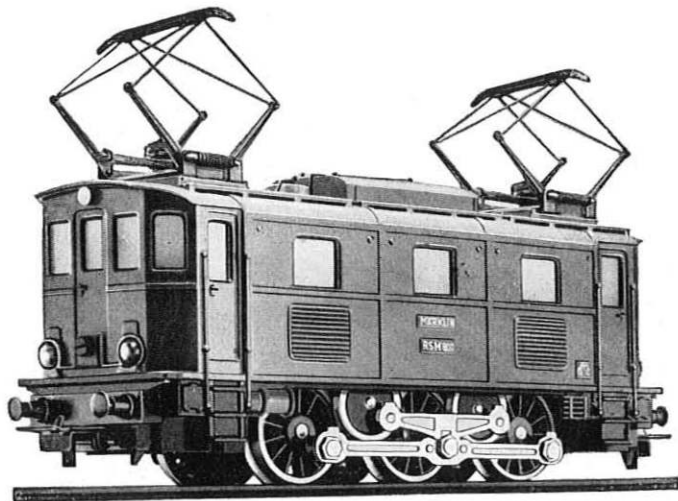
G 800

17-2-6

Heavy freight locomotive • Black • 2-10-0 • Model of series 44 of the German Federal Railway • All drivers are powered • Because of the arrangement of the drivers into groups, model will negotiate ordinary radius track • Flanges on all wheels • Boiler with extensive detail • Latest type smoke deflectors • Valve gear and side rods trimmed with red • Front truck sprung to prevent derailment • Remote control with additional lever for manual reversing • Reversing mechanism fitted in the tender, manual control button on rear of the tender • Unbreakable cast body • Extraordinary power • 8 wheel tender with trucks • Length (over buffers) 11 inches • Weight 36 oz. including tender.

The factory sells through dealers only

Locomotives under the catenary



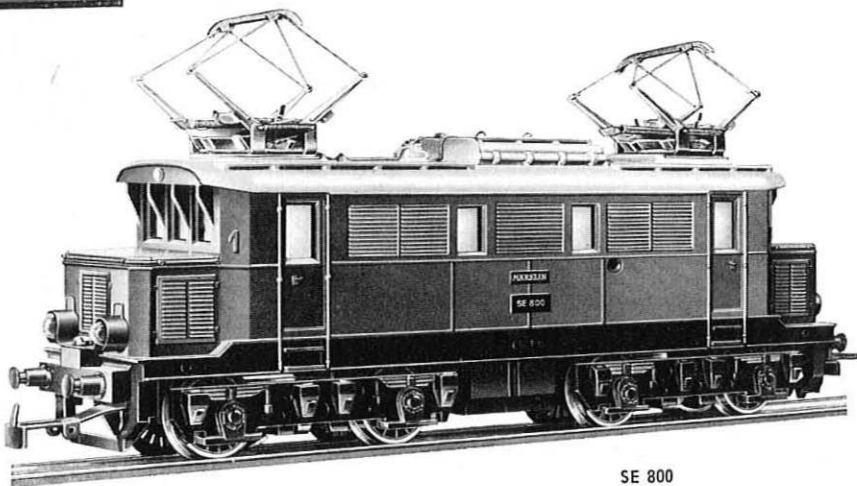
RSM 800

RSM 800

Electric Locomotive • For mixed traffic • Green • 0-6-0 • Powerful, sturdy model • Easily handled and placed on track, even in curves • All axles powered • Optional operation from overhead wire or third rail • Remote control reversing with additional hand lever • Finely detailed body casting • Windows with cello glass • 2 electric headlights • Length 5 inches • Weight 16 oz.

SE 800

Electric Passenger Locomotive • Green • Model of the E44 series of the German Federal Railways • The two inner axles are powered • The two outer axles are in trucks each of which is an imitation 4-wheel truck • 2 electric headlights • Remote Control for reversing, also manual control • Optional operation from overhead wire or third rail • Exact reproduction of the walls and armatures • This model will soon enjoy the same popularity on model layouts that its big brother does on the railroads • Length (over buffers) $6\frac{3}{4}$ inches • Weight 21 oz.

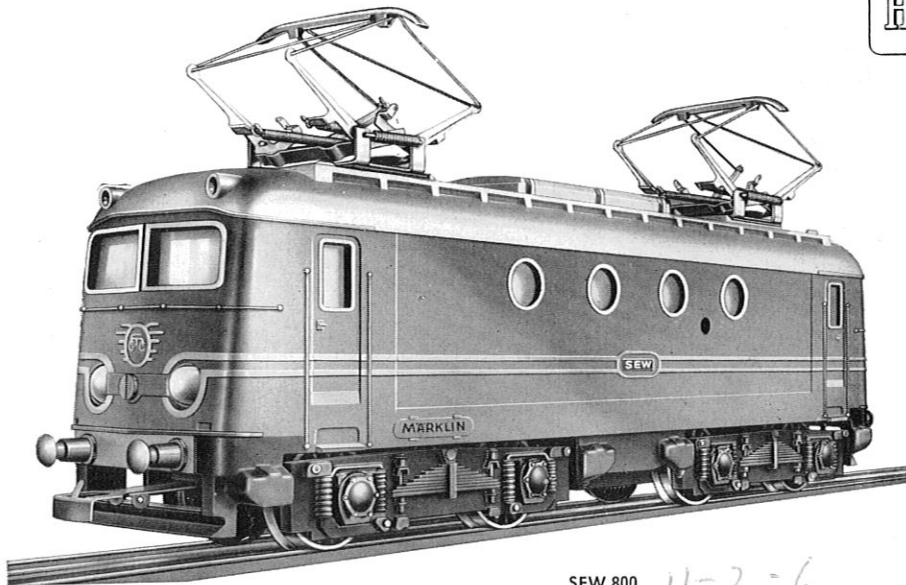


SE 800

This locomotive is one of this year's remarkable developments. Coupled to the passenger cars on pages 26-27 any MARKLIN layout can be outfitted with a modern new train.

HO

Although the electric locomotives shown on these pages can be operated from the center rail by merely depressing the levers on the sides of their cabs, it is preferable to operate them from the overhead wire, because this is true to prototype. The current is picked up through pantographs which elastically cling to the overhead wire. As in the case of steam engines, there are different types of electric locos for passenger service.



SEW 800

11-2-6

Electric Express Locomotive • Green with silver lining • One of the most popular engines of the French lines S.N.C.F. • Porthole type windows • Set-off driver's stands • Wheel and power arrangement exactly the same as in engine SE 800 at the left • 2 electric headlights • Remote control for reversing with additional manual lever • Optional operation from overhead wire or third rail • Length $6\frac{3}{4}$ inches • Weight 21 oz.



Transformer 280 A

For connection to the house current (110, 125, 150 or 220 volts AC) a transformer 280 A is necessary (see illustration on page 34). When ordering, please specify voltage.

The factory sells through dealers only



Transformer 280 A

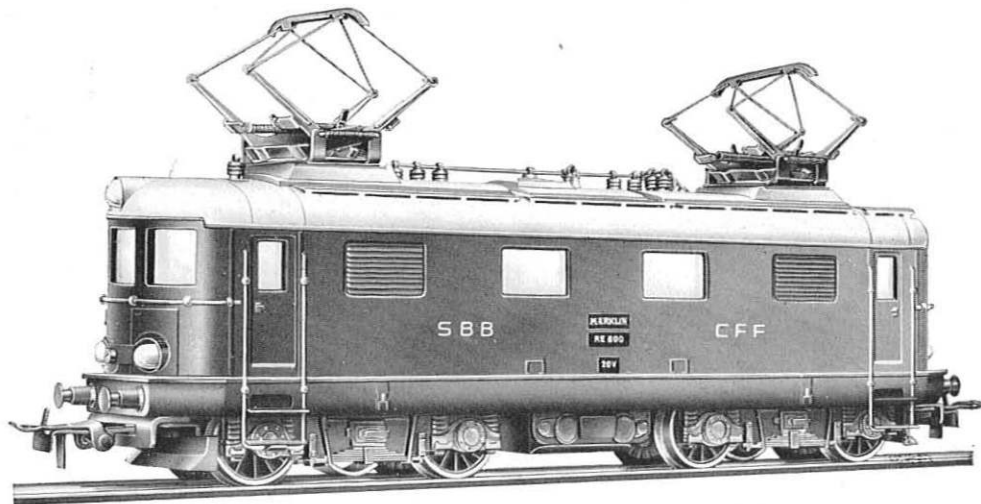
For connection to the house current (110, 125, 150, or 220 volts AC) a transformer 280A is necessary (see illustration on page 34). When ordering, please specify voltage.

RE 800

16-2-0

Electric Locomotive • Green • 0-4-4-0 • Powerful motor, all wheels powered • Takes curves well on moving trucks • Realistic reproduction of the Swiss prototype down to the markings • 3 electric headlights at each end which change automatically with the direction of travel • Remote control reversing with additional manual lever • Optional operation from overhead wire or third rail • Modern pantographs and electric roof equipment • Length (over buffers) $6\frac{3}{4}$ inches • Weight 21 oz.

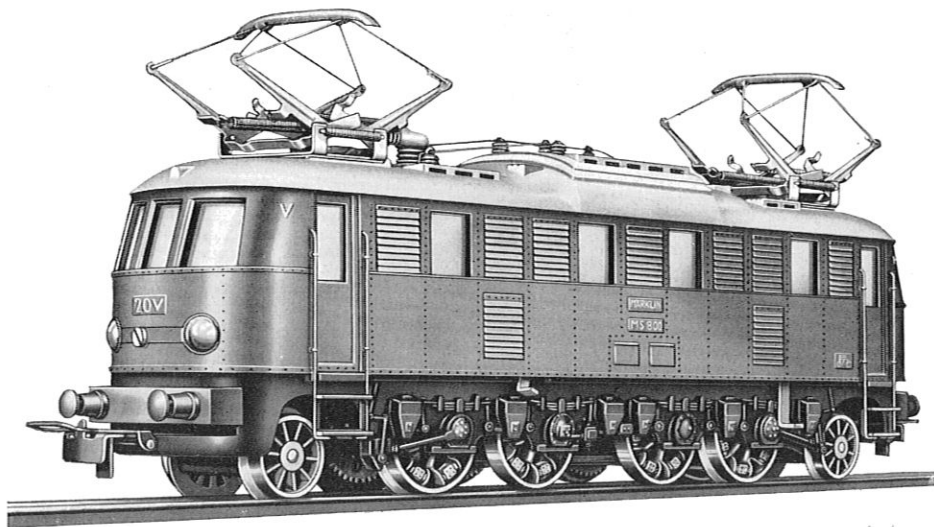
The visitor to Switzerland will be amazed and delighted by the high standards maintained by the Swiss railroads. Long stainless steel trains just seem to glide over the country's main traffic arteries. These trains are pulled by powerful electric locomotives of the RE 4/4 series of which the RE 800 below is a model. The show piece of any layout, this loco performs as well as its prototype for it bears the MÄRKLIN trade mark.



RE 800

MÄRKLIN

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MS 800

14-19-6

Electric Locomotive • Green • 2-8-2 • Modern form • Unbreakable cast body with much detail added on roof (Conductor wires, insulators, roof walks, etc.) • 2 electric headlights at each end which change automatically according to the direction of travel • Durable motor with reduction gears, great precision • Scaled wheels • Sprung leading and trailing trucks to prevent derailment • Remote control for reversing with additional inconspicuous lever for manual control • Optional operation from third rail or overhead wire • Windows with cello glass • Realistic pantographs • Length (over buffers) about 7 $\frac{1}{4}$ inches • Weight about 31 oz.

One of the most modern European locomotives is the E 18 series of the German Federal Railways. It is used to haul fast passenger and heavy tonnage freight trains over hilly country. In spite of its great power, it embodies graceful lines. Its model will awaken in many a MÄRKLIN fan the desire to add it to his engine park.

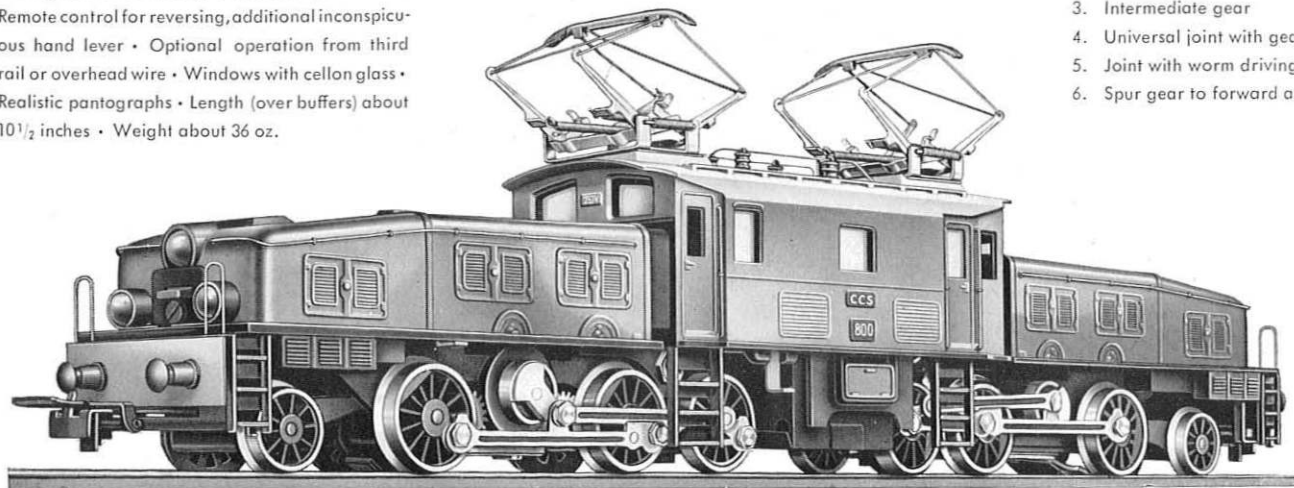
The factory sells through dealers only

The "Crocodile" is one of the most detailed and powerful MÄRKLIN locomotives. Its internationally famous prototype hauls heavy passenger and freight trains over the difficult Gott-hard route in Switzerland. There it must master numerous horseshoe curves and tunnels as well as extended heavy grades.

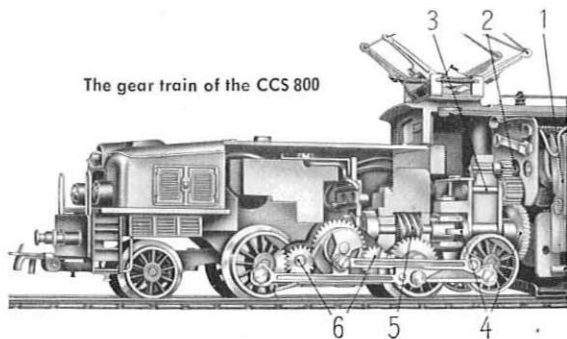
CCS 800

21-7-6

Electric Locomotive • Green • 2-6-6-2 • The locomotive is built in three sections and articulated so that it may adapt itself to the curves. In spite of its length of 10½ inches it negotiates normal radius track without difficulty • Plenty of detail on roof • 3 electric headlights at each end which change automatically according to the direction of travel • Superb pulling power through powerful motor in connection with spur and worm gears, all 12 drive wheels powered • Leading and trailing trucks are sprung to prevent derailment • Remote control for reversing, additional inconspicuous hand lever • Optional operation from third rail or overhead wire • Windows with cello glass • Realistic pantographs • Length (over buffers) about 10½ inches • Weight about 36 oz.



The gear train of the CCS 800



Legend

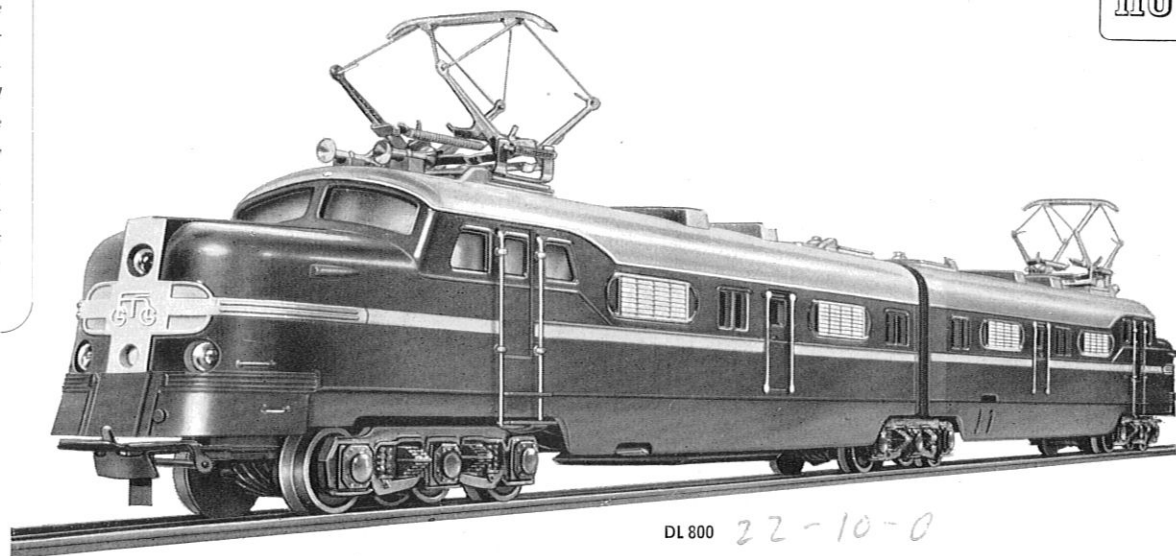
1. Electric Motor
2. Armature with gear
3. Intermediate gear
4. Universal joint with gear
5. Joint with worm driving center axle
6. Spur gear to forward axle

CCS 800

95% of all locomotives built in the United States since the war have been either streamlined electrics or diesels. We have constructed our model with removable pantographs so that it may be used in either capacity. An extra large motor driving all wheels gives this model unequalled power at any speed.

MARKLIN

HO



DL 800

22-10-0

Twin electric locomotive • Green • Made of two units • Articulated • Especially powerful motor in connection with universal joints, spur and worm gears • 12 wheels powered • Immense power and high speed • Remote control for reversing • Additional inconspicuous lever for manual operation • Pantographs for two-train operation can be easily removed by loosening one screw on each pantograph • Unbreakable cast body with much detail • 3 lights at each end, which change automatically according to the direction of travel • Length about 17 inches • Weight about 42 oz.



Transformer 280 A

For connection to the house current (110, 125, 150, or 220 volts AC) a transformer 280 A is necessary (see illustration on page 34).

When ordering, please specify voltage.

The factory sells through dealers only

A look at the collection shown on these pages will make it easy for the beginner to select the train which best fits his needs and pocket book. Such a set, which besides the locomotive and rolling stock also includes the necessary track layout and accessories, is of course only a base on which to build and add. Thanks to the extensiveness of our line, the size and completeness into which such a set may be later expanded has no limits. The following collection of our MÄRKLIN locos, steam and electric, pulling various types of freight and passenger trains will serve to illustrate the infinite variety of our equipment and the unlimited possibilities of a MÄRKLIN layout.



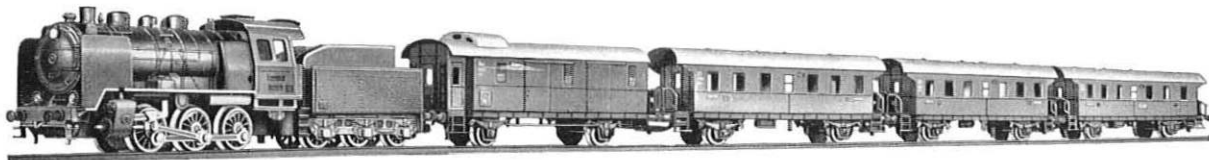
Transformer 280 A

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TM 865/4

Freight Train with oval of track (less transformer), consisting of locomotive TM 800 and 4 different freight cars • Length of train 20 inches • Track layout consists of 12 curved and 6 straight track sections including the terminal section • Also booklet No. 763 "Track Plans"

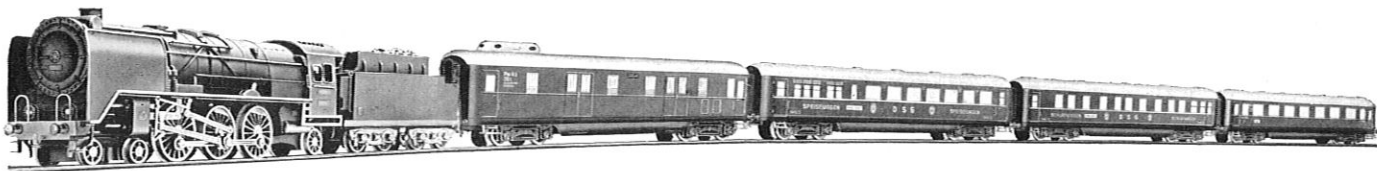


RM 829/4 Local Passenger Train with oval of track (less transformer), consisting of locomotive RM 800, 3 coaches 329/1 and baggage car 329/4 (See page 24 for details) • Length of train 32 inches • Track layout consists of 12 curved and 6 straight track sections including the terminal section • Also booklet No. 763 "Track Plans"

(Steam Locomotives)

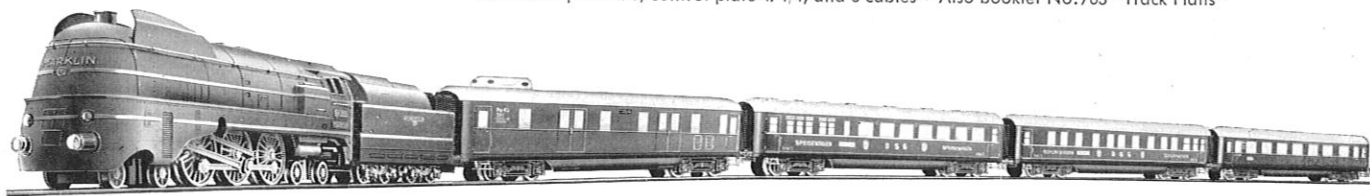
MÄRKLIN

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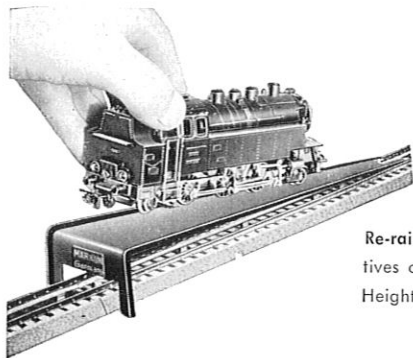
* HR 846/4

Express Train System with oval of track and siding (less transformer) consisting of locomotive HR 800, baggage car 346/4, coach 346/1, dining car 346/2, and sleeping car 346/3 • Length of train 47 inches • Track layout consists of 14 curved and 21 straight track sections including the terminal section, pair of switches 3600 MW, distributor plate 470, control plate 474/4, and 6 cables • Also booklet No.763 "Track Plans"



* SK 846/4

Overland Express Train System with oval of track and siding (less transformer) consisting of streamlined locomotive SK 800, baggage car 346/4, coach 346/1, dining car 346/2, and sleeping car 346/3 • Length of train 47 inches • Track layout consists of 14 curved and 21 straight track sections including the terminal section, pair of switches 3600 MW, distributor plate 470, control plate 474/4, and 6 cables • Also booklet No.763 "Track Plans"



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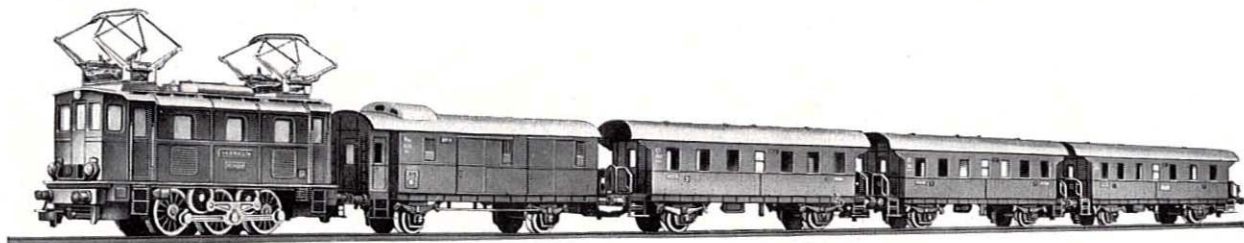
Re-railer simplifies setting of locomotives on track • Length 12 inches • Height $\frac{3}{4}$ inch.

*In train sets marked with an * the dining and sleeping cars may also be had in blue with international markings. If these are desired add a "J" to the number of the train.*



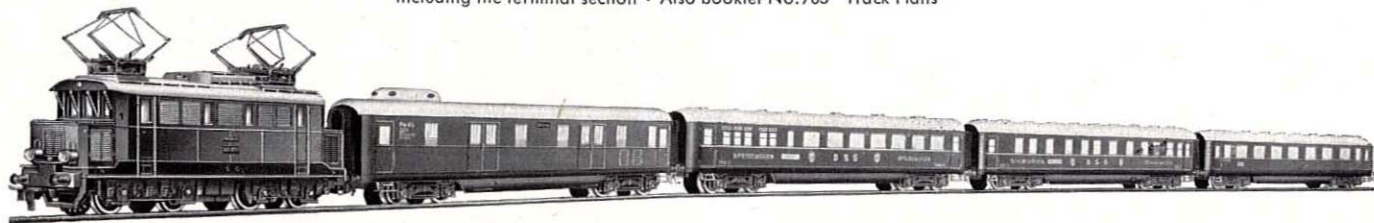
MARKLIN

Complete Trains



RSM 829/4

Local Passenger Train with oval of track (less transformer) consisting of locomotive RSM 800, 3 coaches 329/1, and baggage car 329/4 (details on page 24) • Length of train 29 inches • Track layout consists of 12 curved and 6 straight track sections including the terminal section • Also booklet No.763 "Track Plans"



*** SE 846/4**

Express Train with oval of track (less transformer) consisting of locomotive SE 800, baggage car 346/4, coach 346/1, dining car 346/2, and sleeping car 346/3 • Track layout consists of 12 curved and 10 straight track sections including the terminal section • Also booklet No.763 "Track Plans" • Length of train 42 inches



Transformer 280 A

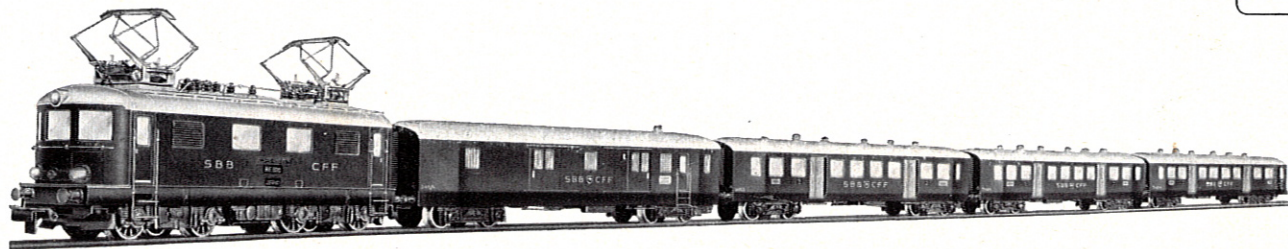
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The factory sells through dealers only

(Electric locomotives)

MÄRKLIN

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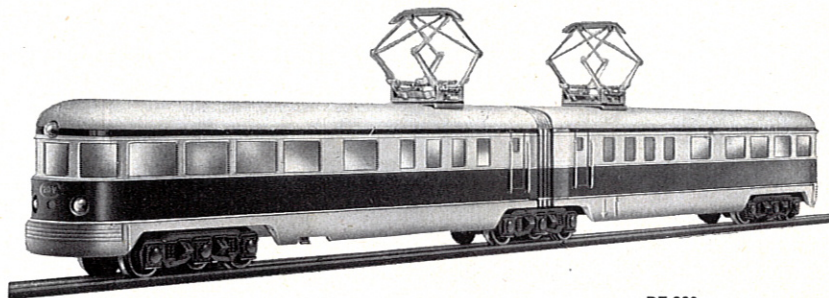
RE 848/4

Commuter Train with oval of track (less transformer), Swiss prototype with locomotive RE 800 whose many fine points are described on page 10 • This train is one of the finest and most detailed MÄRKLIN models • It consists of 3 of the most modern commuter coaches, each with 4 double sliding doors, which are operated from buttons on the roof, plus the new baggage car 348/4 which is described on page 25 • Length of train 44 inches • Track layout consists of 12 curved and 10 straight track sections including the terminal section • This can be expanded to any desired size as described in the included booklet No. 763 "Track Plans"

Electric interurban Cars

Electric Express Car DT 800

Red with ivory • Optional operation from overhead wire or third rail • Realistic pantographs • One red and 2 white lights at each end which change automatically according to the direction of travel • Interior illumination • Windows with cello glass • 2 sections connected by a Jacobs truck • Powerful motor driving wheels of center truck • Remote control for reversing with additional manual lever • Length 16 1/2 inches • Weight 37 oz.



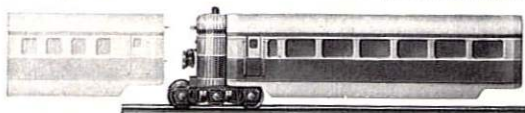
DT 800

Diesel Streamliners

In the United States Diesel Streamliners dominate transcontinental traffic. From there, this modern mode of transportation travelled to Western Europe where it appeared in the form of self-propelled diesel rail cars. As in the prototype, one of these trains passing another train consisting of old-time coaches presents an interesting "Then and Now" contrast and therefore should be a part of every larger layout.

Head part

Supplementary part



ST 800 MT

Additional Coach Unit for Streamliner

The 3 car streamliner can easily be lengthened by one or two additional coaches. Through an ingenious coupling both the electrical and mechanical connection are made at the same time. Available in the same colors as the Diesel Streamliner. When ordering, please specify color.

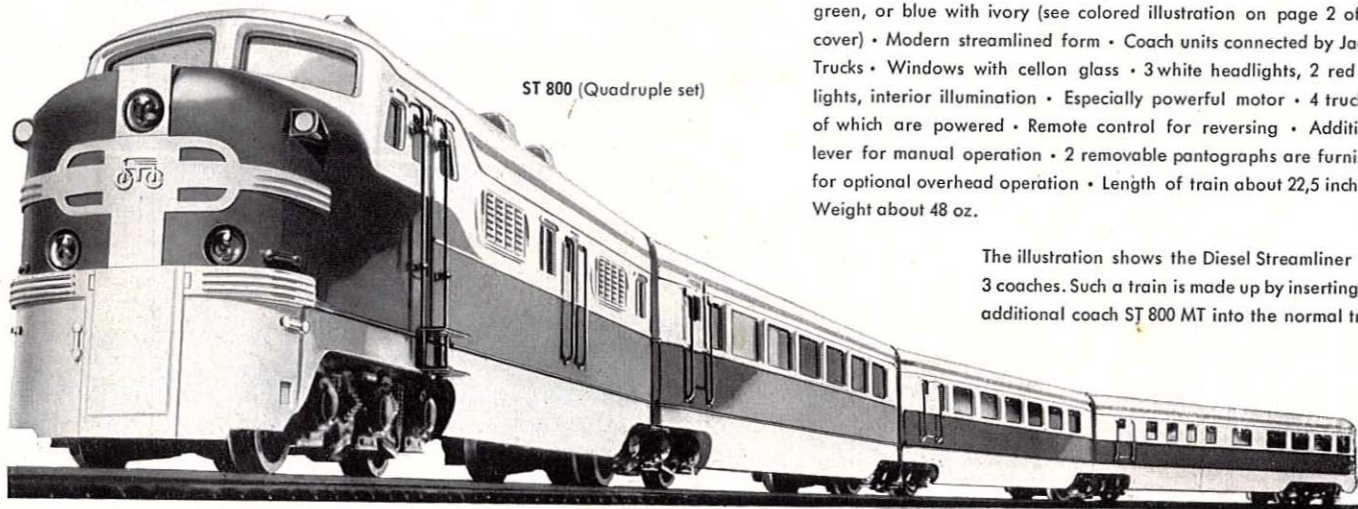
ST 800 (Triple set) 26-14-6

Diesel Streamliner

Consists of locomotive, coach, and observation car • Available in red, green, or blue with ivory (see colored illustration on page 2 of the cover) • Modern streamlined form • Coach units connected by Jacobs Trucks • Windows with cello glass • 3 white headlights, 2 red tail-lights, interior illumination • Especially powerful motor • 4 trucks, 2 of which are powered • Remote control for reversing • Additional lever for manual operation • 2 removable pantographs are furnished for optional overhead operation • Length of train about 22,5 inches • Weight about 48 oz.

The illustration shows the Diesel Streamliner with 3 coaches. Such a train is made up by inserting one additional coach ST 800 MT into the normal train.

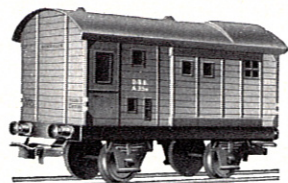
ST 800 (Quadruple set)



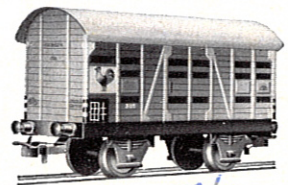
The Simpler Freight Car Models Stamped Steel, Lithographed

The lengths given are measured over the buffers

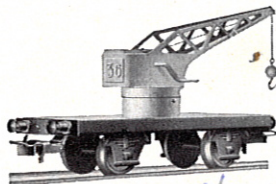
HO



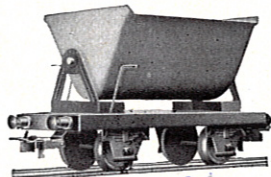
390 17/-
Goods Brake Van • Green • Sliding door • Length 3 1/2 inches



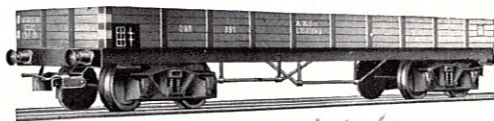
386 12/-
Poultry Wagon • Red • Perforated sides • Length 3 1/2 inches



366 17/-
Wrecker Truck • Aluminium colored • Movable boom with crank • Length 3 1/2 inches



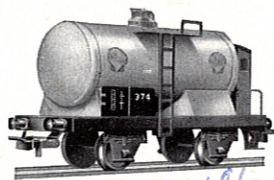
362 12/-
Side Tipping Truck • Red • Tips to either side • Locking device • Length 3 1/2 inches



391 1-1-6
Low Sided Gondola • 8 wheels • Brown • Length 7 inches

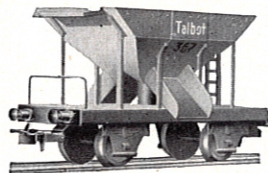


393 1-10-6
Covered Wagon • Brownish-red with white canvas • 8 wheels • Length 7 inches

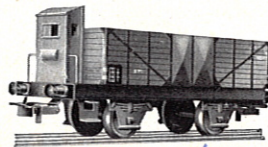


374 SHELL 19/-
Petrol Truck with brakeman's cabin • Yellow with SHELL mark. • Length 3 3/4 inches

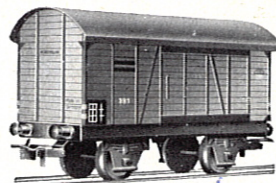
374 ESSO
Same car, but silver with ESSO markings



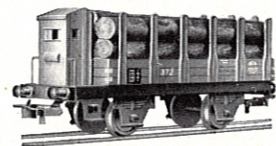
367 1-1-6
Hopper Wagon • Brown • Talbot system Cast • Length 3 1/2 inches



371 13/-
Open Goods Truck with brakeman's cabin • Brown • Length 3 3/4 inches



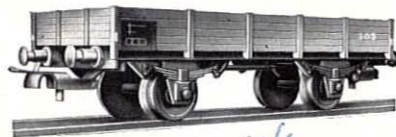
381 12/-
Closed Goods Wagon • Brown • Length 3 1/2 inches



372 G
Timber Truck with brakeman's cabin • Brown • Loaded • Length 3 3/4 inches
372 13/-
Same car without timber

Freight Cars of Thermoplastics

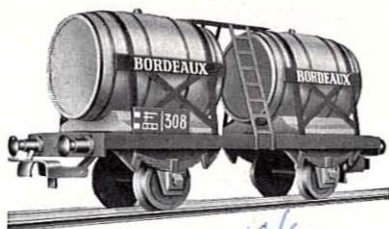
Length 4 inches



305 10/6-
Low-sided gondola • Brown



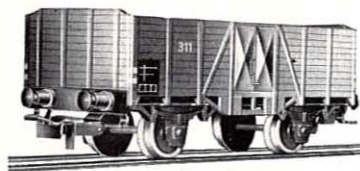
307 14/1-
Refrigerator Van • White with red markings



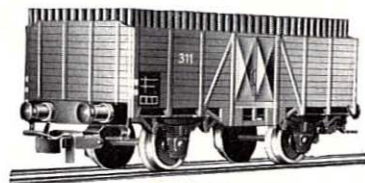
308 19/6-
Wine Wagon with 2 barrels and ladders on each side. Barrels light brown with BORDEAUX markings

Super Freight Cars cast of

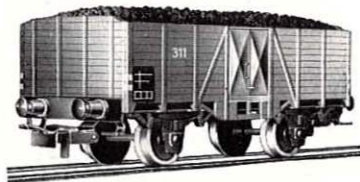
In order to enable the smaller engines to haul a long string of these cars,



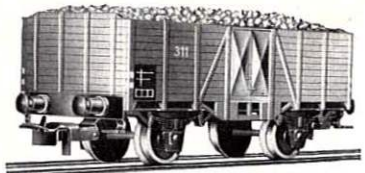
311 1-1-6
Open Goods Truck
Brown or grey • Length 3 3/4 inches



311 H 1-6-0
Same as 311, but loaded with wood



311 K 1-6-0
Same as 311, but loaded with coal



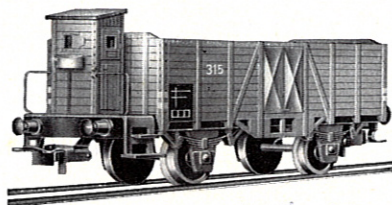
311 S 1-6-0
Same as 311, but loaded with stones

unbreakable light weight alloys

MARKLIN

HO

it is advisable to oil the axle bearings slightly with the finest sewing machine oil before use.



315 1-6-0

Open Goods Truck with brakeman's cabin • Brown or grey • Length 4 inches



314 1-12-6

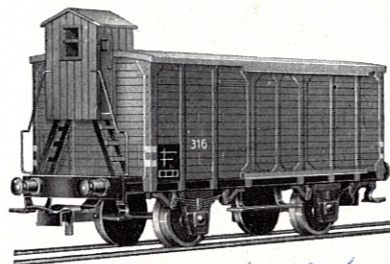
Petrol Truck with brakeman's cabin • 4 inches

314 E silver-grey "ESSO" markings

314 S yellow "SHELL" markings

314 G white "GASOLIN-MOTANOL" mark.

314 BP green "BP" markings



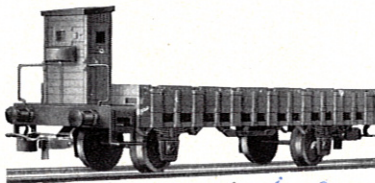
316 N 1-10-6

Closed Goods Wagon • Brown with raised brakeman's cabin • Length 4 inches



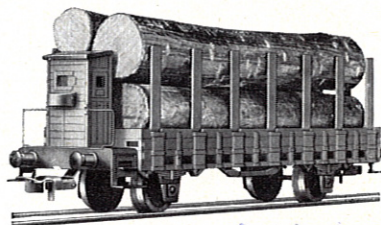
322 1-10-6

Covered Wagon with brakeman's cabin Brown, white canvas • Length 4 3/4 inches



323 1-6-0

Low-sided Open Goods Truck with brakeman's cabin • Brown • Length 4 3/4 inches



321 G 1-10-6

Timber Truck with brakeman's cabin, loaded with timber • Brown • Length 4 3/4 inches

321 1-8-0

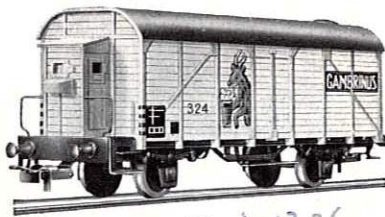
Same car without timber

Super Freight Cars cast of unbreakable



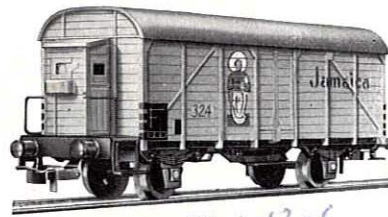
324 1-12-6

Refrigerator Van with brakeman's
cabin • White • Length $4\frac{3}{4}$ inches



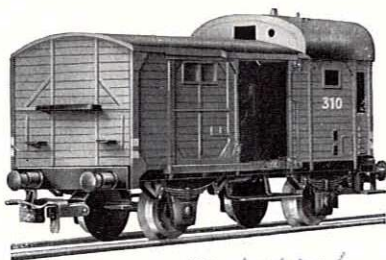
325 1-12-6

Beer Wagon with brakeman's cabin
White • Length $4\frac{3}{4}$ inches



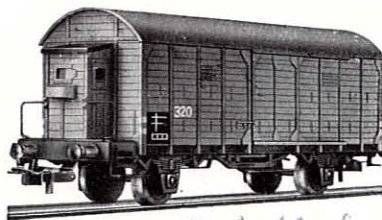
326 1-12-6

Banana Wagon with brakeman's
cabin • Yellow • Length $4\frac{3}{4}$ inches



310 1-10-6

Goods Brake Van
Green • One side with open, the other
with closed door • Length $3\frac{3}{4}$ inches



320 1-10-6

Closed Goods Wagon
with arched roof and brakeman's cabin
Brown • Length $4\frac{3}{4}$ inches



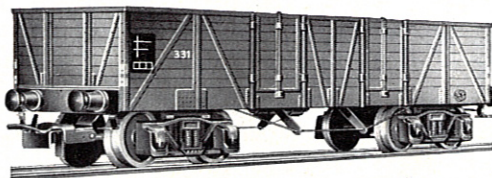
320 S 2-7-6

Same car as 320 but with 2 electric tail
lights and pick-up shoe for same

light weight alloys

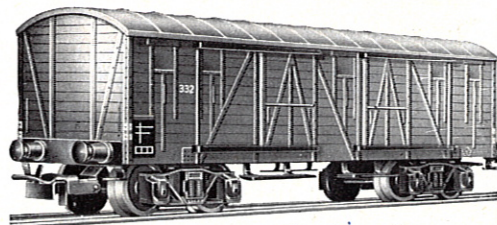
MARKLIN

HO



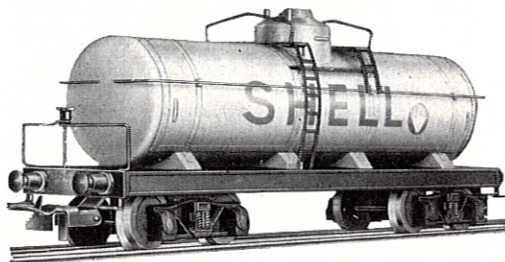
331 2-0-6

Gondola • Brown • 8 wheels
Length $5\frac{3}{4}$ inches



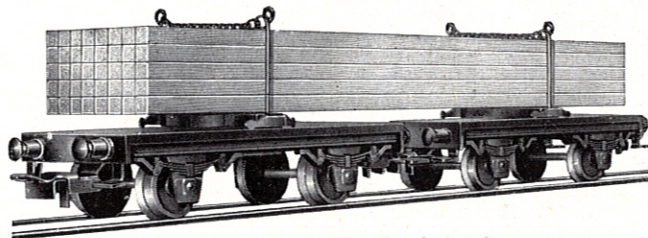
332 2-14-0

Box Car • Brown • 8 wheels • Operating
sliding doors • Length $5\frac{3}{4}$ inches



334 2-19-6

Tank Car • Light grey • 8 wheels • Brake
wheel, hand rails, etc. • Length $5\frac{3}{4}$ inches
334 S yellow with "SHELL" markings
334 E silver-grey with "ESSO" markings

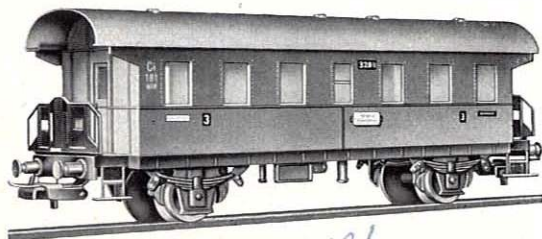


361 G 1-14-0

Lumber Truck • Loaded • Black • In pairs
Length $7\frac{1}{2}$ inches

Four long awaited new Cars

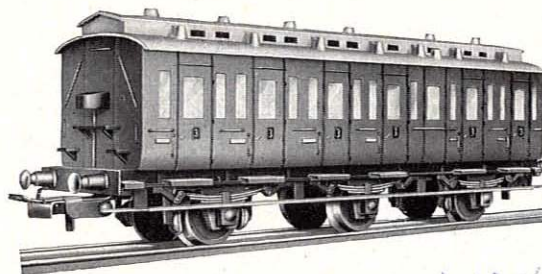
Local coaches super-detailed down to the finest points • Dark green, grey roof, numerous markings • Length over buffers 5 1/2 inches



329/1

18/-

Coach with open platforms and doors at the ends



330/1 Without brakeman's cabin

1-10-6



484 N

13/-

Interior Lighting

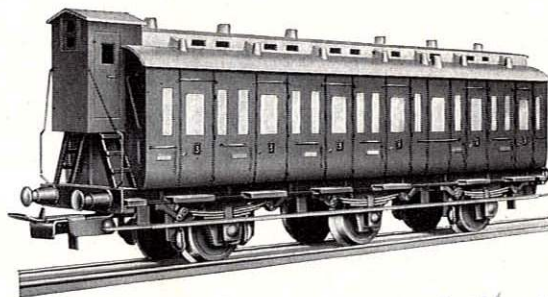
for coaches of the 329 and 330 series shown on this page • Consists of pick-up shoe and turn-off switch, socket, and bulb 499



329/4

18/-

Baggage Car with sliding door one each side and look-out dome for conductor



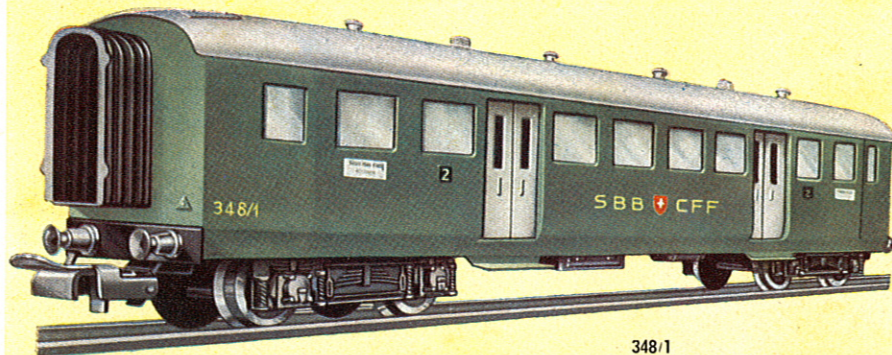
330/2 With brakeman's cabin

1-16-0

Compartment Coaches, 6 wheels, walls divided into 6 compartments, windows with cello glass • All axles sliding sideways • Dark green, grey roof, many markings • Length over buffers 5 1/4 inches

Models of the latest all metal Swiss Coaches

A Master Piece in H0 Gauge



348/1

2-5-0

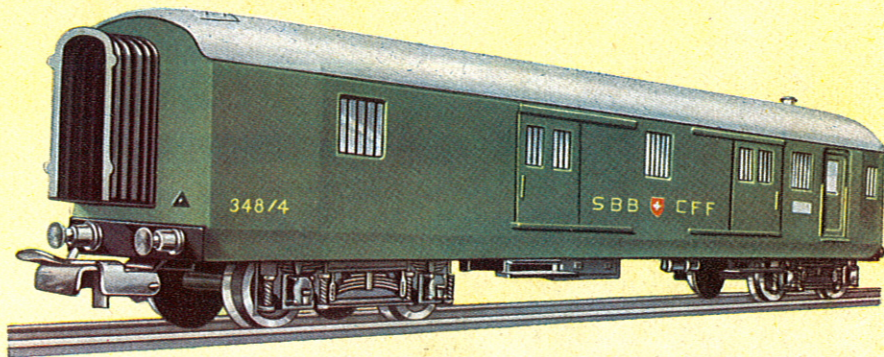
Commuter Coach • 8 wheels, equalized trucks of new type • Swiss Prototype (SBB) • 2 double sliding doors on each side which open by twisting buttons on roof • Windows with cellon glass • Fine reproduction of all details (Corridor connections, battery boxes, running boards) and markings • Dark green, silver-grey roof • Length over buffers 8 1/2 inches

348/4

2-5-0

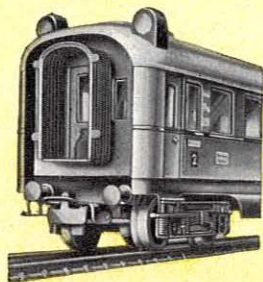
Baggage Car • For use with commuter coach 348/1 • Sliding doors, windows with bars • Many details • Dark green, silver-grey roof, yellow markings • Length over buffers 8 1/2 inches

The interior illumination for these cars is the same as for the other 8-wheel passenger cars, 484/3G shown on page 27



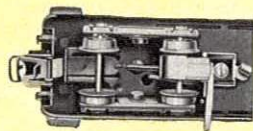
348/4

Modern Passenger

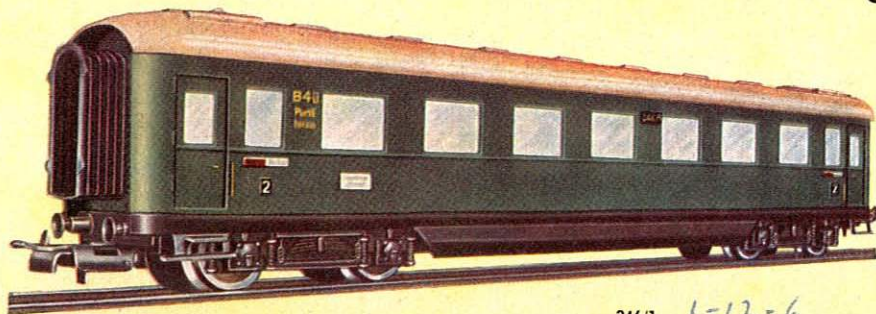


346/1 BS 3-11-0

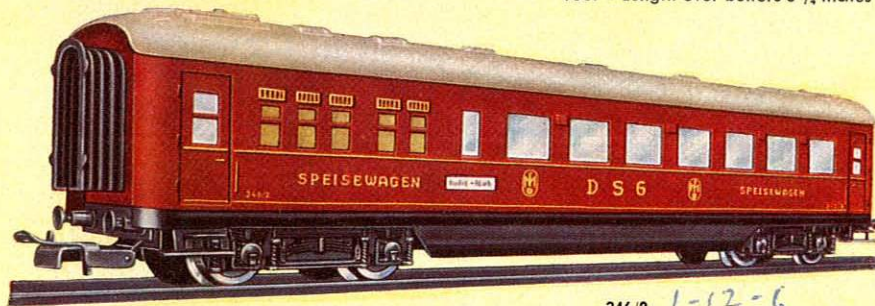
Coach No 346/1 but with interior illumination 484/3, pick-up shoe, No 484 S and 2 red tail lights



Close-up of the pick-up shoe and light switch on the coach 346/1 BS with tail lights



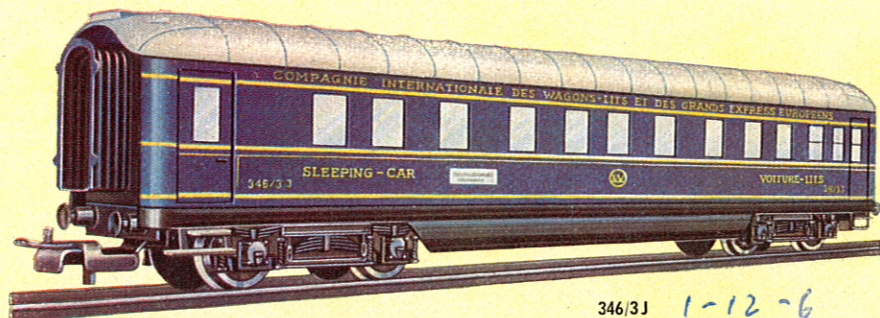
346/1 Day Coach • 8 wheels • Removable roof • Windows with cello glass • Dark green, grey roof • Length over buffers 8 $\frac{1}{4}$ inches



346/2 Dining Car • 8 wheels • DSG markings • Wine-red, markings yellow • Length over buffers 8 $\frac{1}{4}$ inches
346/2J Dining Car as above but with International Sleeping Car Company markings • Blue, markings yellow

The above models are reproductions of modern passenger cars for long distance traffic. One quick glance will reveal their harmonious form and color, so that a train of them will be a welcome addition to any model layout.

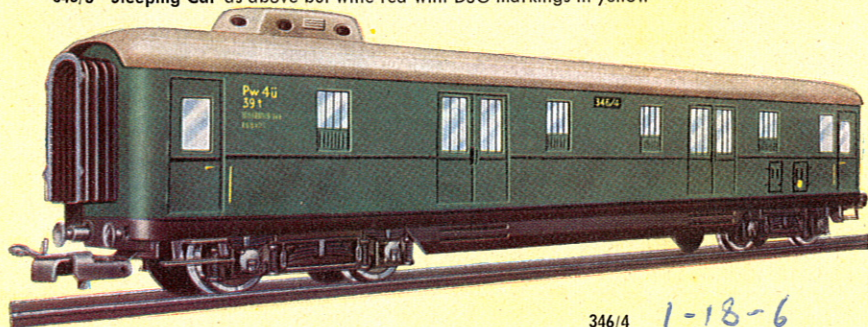
Equipment



346/3J 1-12-6

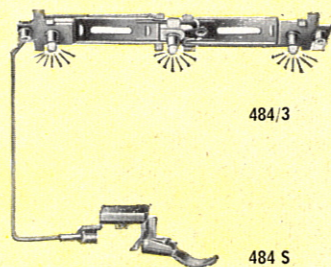
346/3J Sleeping Car • 8 wheels. Blue with International Sleeping Car Company markings in yellow. Length 8 1/4 inches

346/3 Sleeping Car as above but wine-red with DSG markings in yellow



346/4 1-18-6

346/4 Baggage Car • For use with passenger cars 346/1-3 • Barred windows • 2 double sliding doors on each side • Dark green



484/3

484 S

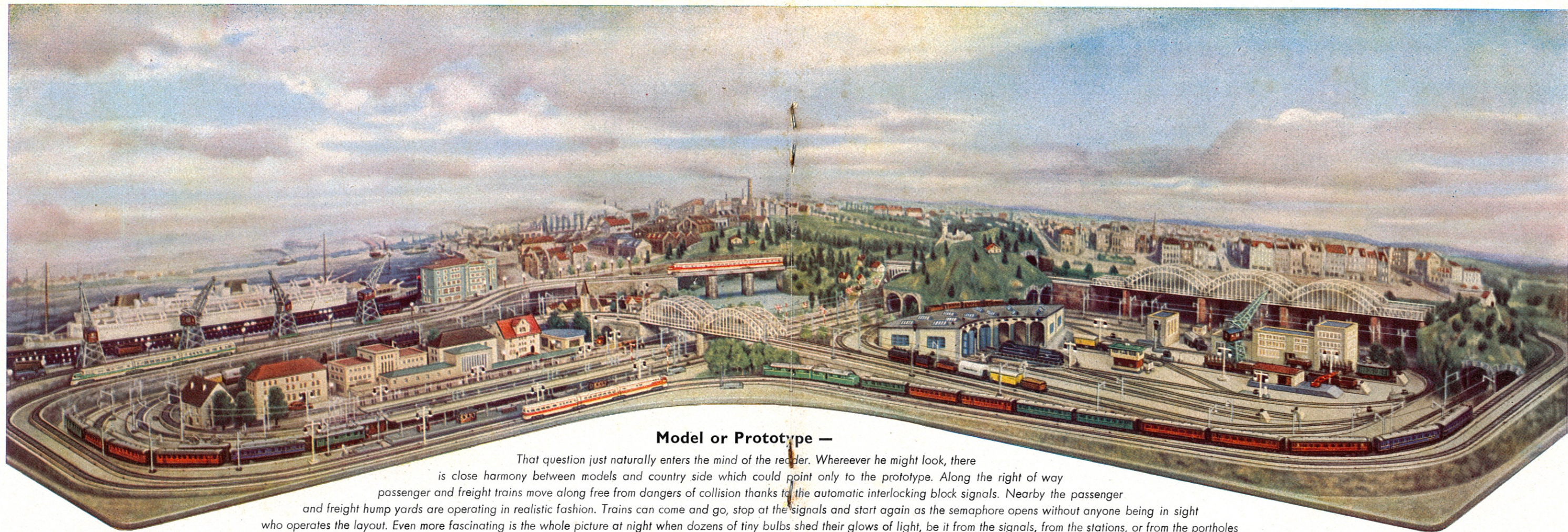
484/3 G 1-10-6

Interior Illumination Set for 346 and 348 series passenger cars (Pages 25-27) with 3 bulbs 485, consisting of

484/3 Interior Illumination

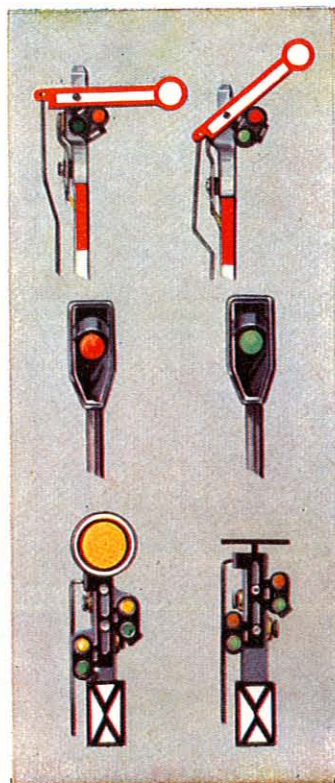
484 S Pick-up Shoe

A train consisting of the above cars will present an especially trim appearance. The new type trucks prevent derailments in the curves and give the model railroad fan possibility for adding realism to his layout.



Model or Prototype —

That question just naturally enters the mind of the reader. Wherever he might look, there is close harmony between models and country side which could point only to the prototype. Along the right of way passenger and freight trains move along free from dangers of collision thanks to the automatic interlocking block signals. Nearby the passenger and freight hump yards are operating in realistic fashion. Trains can come and go, stop at the signals and start again as the semaphore opens without anyone being in sight who operates the layout. Even more fascinating is the whole picture at night when dozens of tiny bulbs shed their glows of light, be it from the signals, from the stations, or from the portholes of the ocean giant. Model or prototype, the above picture incorporates both because it is a **MARKLIN** layout. Dimensions 160 by 180 by 56 inches, height 60 inches.



Halt!

Proceed!

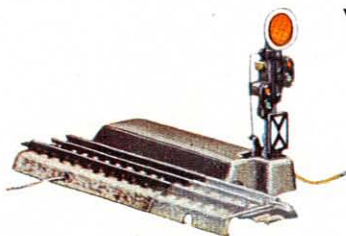
Upper Row: Semaphore 443 G

Middle Row: Light Signal 479 G

Lower Row: Warning Signal 437

Remote Controlled Signals

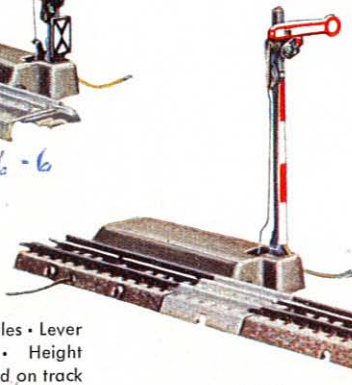
with and without train control



437 2-16-6

Warning Signal

without train control • Electromagnetic • Electrically illuminated (2 bulbs 485) • Lights change from yellow to green • 2 connecting cables • Lever for manual operation • Height about 3 inches • Mounted on track section $3\frac{3}{4}$ inches long



443 G

3-7-6



479 G

3-7-6

Home Signal Set 479 G and 443 G

with train control • Electromagnetic • Electrically illuminated (1 bulb 485) • Light changes from red to green • For third rail operation • 2 connecting cables • Lever for manual operation • Height about $3\frac{3}{4}$ inches • Mounted on track section with additional loose track section (3600 N), each $3\frac{3}{4}$ inches long

443 G Semaphore Signal Set

479 G Light Signal Set

Signals 443 G and 479 G are equipped with train control. When they are set at "Halt!" the train automatically stops before them. After they are set at "Proceed!" the train automatically is set in motion. Signal 437 is merely a warning signal to inform the engineer of the position of the next following home signal. The train therefore never stops for it.

407 GS

Overhead Outfit for signals with train control. Consists of 2 masts 407 MS and 2 interruptor wires 407 UN. For use with all signals with train control (443 G, 479 G, 445 G, 480 G)

MARKLIN

Automatic Interlocking Block System

4-4-6 445 G Automatic Block Signal Set • Consists of semaphore signal similar to No 443 G, Interruptor Track 3600 U, Contact Tracks 3600 BSD (straight) and 3600 BSA (curved) plus the required cables

6-4-0 480 G Automatic Block Signal Set • Consists of light signal similar to No 479 G • Additional track sections as above

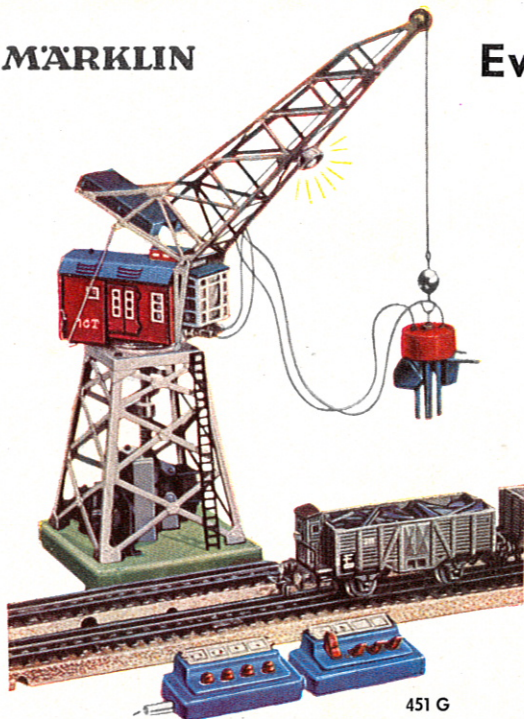
Detailed Instructions about the many uses of these signals are supplied with every automatic block signal

MARKLIN

Everything by Remote Control

451 G

13-18-0



451 G

The remote controlled crane with electromagnet • Electrically powered and remote controlled • 2 motors for turning boom and raising or lowering the load • Remote controlled hook and magnet make it possible to transfer metal objects without help from the human hand • Boom may be raised or lowered by manually operated crank • Searchlight on boom and illumination inside cab, may be shut on or off by remote control • Numerous other details • Finely enamelled • Height about $10\frac{1}{4}$ inches • Base plate about $3\frac{3}{4}$ by $3\frac{3}{4}$ inches • With one yard of cable and two control plates for remote control • (Track and rolling stock not included)

This welcome addition now puts some activity into the sidings where after the switching maneuvers are complete, it begins to load or unload the freight cars. It is entirely up to the operator whether the load is transferred into another railroad car, into or from a truck into the hold of a ship. A whole world of activity is now possible for the fan because he can operate his freight yard in exact imitation of the prototype by using uncoupling sections and the crane. Added excitement is achieved at night when the searchlight on the boom casts its beam on to the load.



438

7-7-6

Bell with electromagnetic operation • Cable with metal plugs • Height $2\frac{1}{4}$ inches • Base plate $1\frac{1}{4}$ x $1\frac{1}{4}$ inches

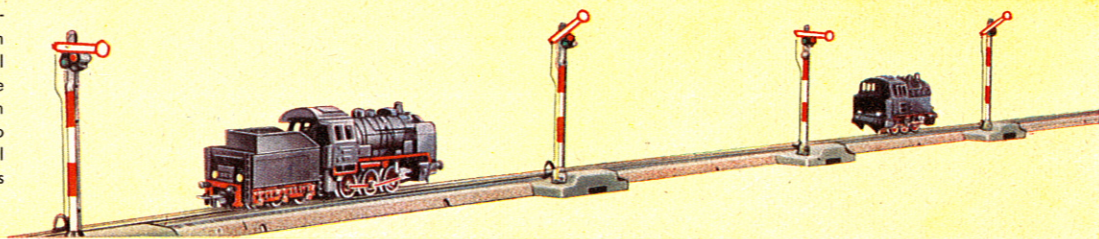


456

6-17-6

Switch tower with built-in whistle • Handsome reproduction of a modern switch tower • Finely enamelled • Built-in whistle siren for the production of locomotive signals, for 20 volt operation • Height about $3\frac{3}{4}$ inches • Base plate about $2\frac{1}{2}$ by $4\frac{1}{2}$ inches

The automatic block signals make it possible to operate two or more trains in succession so that they mutually control each other. The more block signals, the greater the number of trains which can be operated. Automatic signals may also be operated individually from the control plate (474/4 etc.) in the same manner as signal 443 G and 479 G





Remote Control Turntable



Turntable 410 N

410 NG 13-18-0

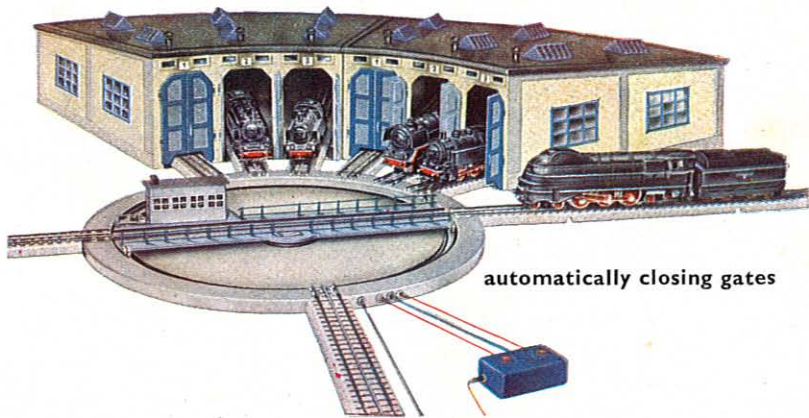
Turntable Set consists of turntable 410 N with an outside diameter of $14\frac{1}{2}$ inches operating in both directions, remote controlled, control plate, and cables. Suitable for use with 2 engine sheds 411 B. Table with guard rails and motor house. When table is turning a red warning light flashes. Power in all tracks not lined up with table is automatically shut off.



Engine shed 411 B

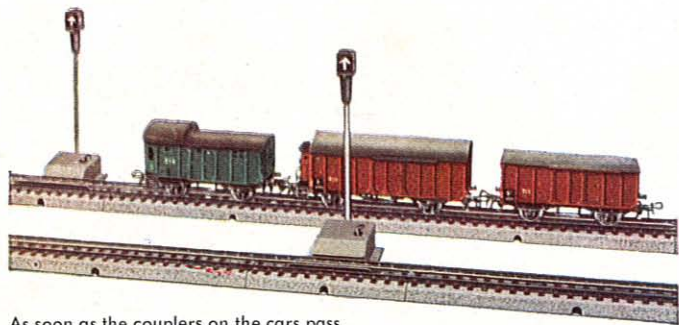
411 B 8-7-6

Engine shed with 3 tracks, chimneys, interior illumination, and automatically closing gates • Size $18\frac{1}{2} \times 15$ inches, height $5\frac{1}{2}$ inches



automatically closing gates

This picture shows the harmonious combination of 2 engine sheds and the turntable; a faithful reproduction of the prototype.



As soon as the couplers on the cars pass the raised ramp of the uncoupling section, they disengage.

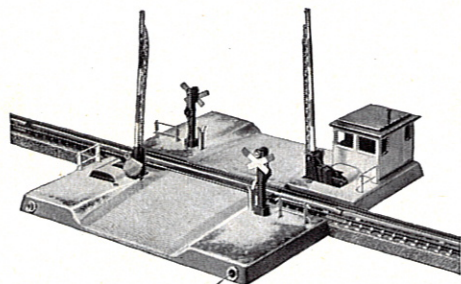
Remote Control Uncoupling

3600 EK 2-0-6

Uncoupling Rail Section Electromagnetic • Illuminated • To be connected to a switch control plate 474/4 or 474/8 B • With cable and plug • Length of track $3\frac{3}{4}$ inches (Same as 3600 D $1\frac{1}{2}$) • The 4 inches signal will stand out clearly in even the largest layout, indicating the exact location of the uncoupling rail.



Automatic Grade Crossings

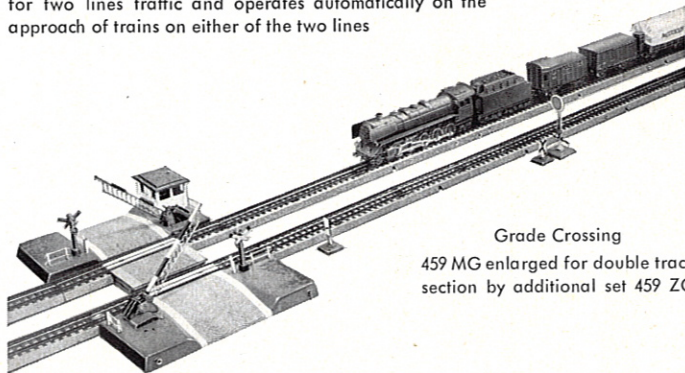


459 MG 7-10-0
Fully automatic grade crossing dim. 7 x 8 inches. Set consists of two electromagnetically operated gates with warning signs and red warning lights, keeper's cabin, and a set of special contact track sections. Length 7 inches. Width, when used on single track line, 8 inches. Length of included track

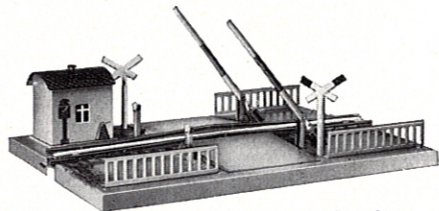
sections 28 1/2 inches. By using additional contact track sections 3600 KG, the gates can be made to close when train is still at a greater distance. 3600 KG Contact track section, 7 inches long

459 ZG 2-11-6
Additional double track set consisting of a set of contact track sections and road piece to be inserted between the two lines. This additional set transforms the grade crossing for two lines traffic and operates automatically on the approach of trains on either of the two lines

H0



Grade Crossing
459 MG enlarged for double track section by additional set 459 ZG



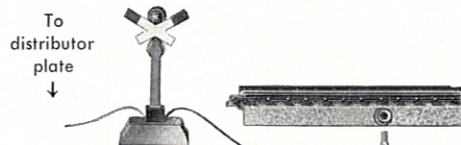
457 2-5-0

Grade Crossing • Mechanically operated • For single track lines • Gates are lowered through the pressure of the wheels on the rails. With keeper's hut, warning signs, and fences • Colorfully enamelled • Size 5 1/4 by 7 1/4 inches



753

Booklet "Electric Trains, H0 Gauge" • A richly illustrated guide through the field of miniature railroading • 80 pages • Size 5 1/4 by 8 1/2 inches
Published only in German

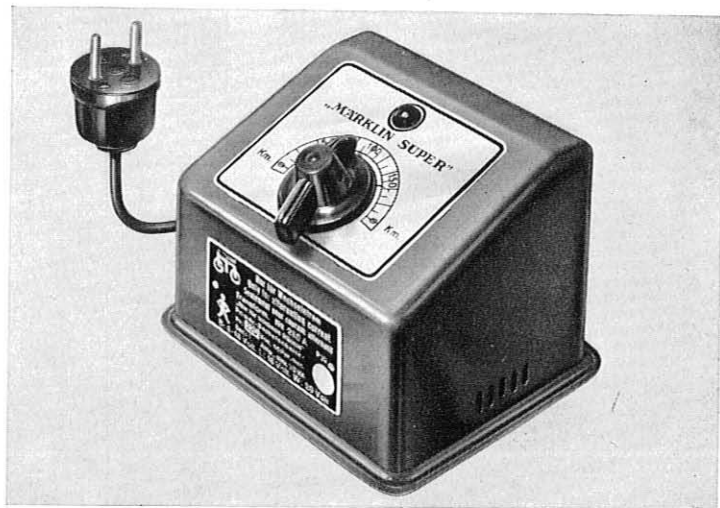


450 G 1-0-6

Warning Cross with red blinker light • For erection at unprotected grade crossings • With two cables for connection to the distributor plate and the Contact Track 3600 KS • When an axle crosses the short center piece of the track, the red light blinks • Height 2 inches • Base 3/4 by 1 inch • Length of contact track 3 3/4 inches

If your house has **ALTERNATING CURRENT (AC)**

Transformer 280 A



280 a

Transformer for Perfect Reverse, Rheostat Speed Control, Remote Control Reversing, Automatic cut-out for short circuit or overload with red control light and speed dial. With a single touch the speed and direction can be controlled.

Built according to official safety regulations. Therefore absolutely safe.

When ordering, please state voltage of house current (110, 125, 150, or 220 volts AC).

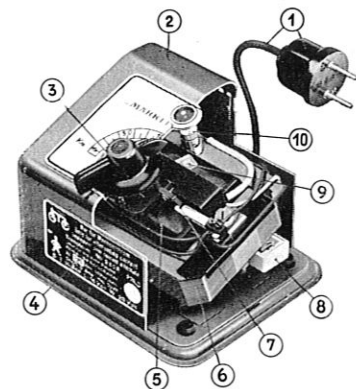
If your house has **Direct Current (DC)** an inverter 276 (100 W) is required. Ask your dealer for the special leaflet.

The ideal power source for

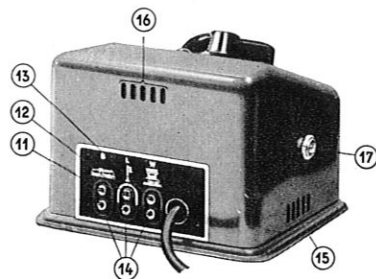
The important parts of the transformer 280 A are :

- 1 **Cable and plug** for connection to house current. Transformers sold in the United States have American plugs
- 2 **Housing**, made of pressed steel, enamelled in blue
- 3 **Speed and direction control knob**. By turning the knob, the speed is regulated; by pressing the knob, the reversing mechanism is activated
- 4 **Name Plate**, giving capacity and voltage of house current
- 5 **Coil** of copper wire
- 6 **Iron Core** of special metal plates
- 7 **Reversing Lever** and contact spring
- 8 **Thermostatic switch**, cuts out the transformer automatically when there is too much heat (short circuit or overload)
- 9 **Contact spring**, slides along on and takes current from coil. Is operated from the control knob
- 10 **Control lamp**. Shows as long as transformer is operating satisfactorily. Extinguishes immediately upon a short circuit. (Bulb 13527 S)
- 11 **Socket** (red) for connection to the train
- 12 **Socket** (yellow) for connection to the illuminations
- 13 **Socket** (green) for connection to the electromagnetic accessories through the switch tower or control plate
- 14 **Three Sockets** (brown) for connection to the roadbed (ground) for the return current
The colors on the sockets are best utilized in connection with the new color-coded cables of the single-pole system
- 15 **Opening** for fresh air to cool the coil
- 16 **Opening** for exit of warm air
- 17 **Ground terminal screw** for use in rooms with stone floors
Base plate about $5\frac{1}{2}$ by $4\frac{3}{4}$ inches Weight 5 lbs.

MARKLIN H0 gauge trains

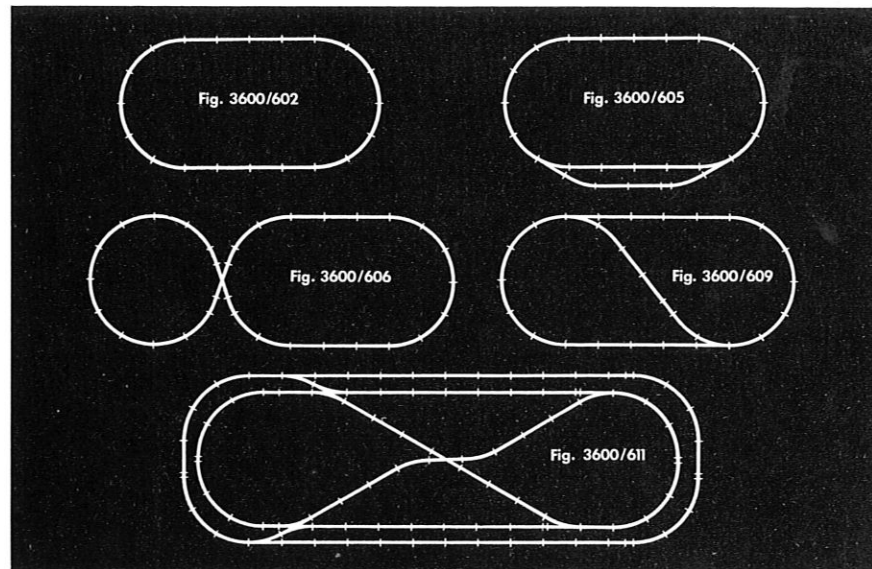


Cut-away view of the transformer



Rear view of the transformer

- Figure 3600/602** Oval
59 by 30 inches • Required Track 11 A, 1 AA, 8 D
- Figure 3600/605** Oval with siding
59 by 34 inches • Required Track 11 A, 1 AA, 10 D, 1 D¹/₂, 1 pair switches W
- Figure 3600/606** Large Eight
82 by 30 inches • Required Track 19 A, 1 AA, 4 A¹/₂, 6 D, 1 K
- Figure 3600/609** Oval with Reversing Loop
66¹/₂ by 30 inches • Required Track 13 A, 1 AA, 10 D, 1 D¹/₂, 2 right hand switches W
- Figure 3600/611** Double Track Oval with double reverse loop
116 by 40 inches • Required Track 25 A, 1 AA, 50 D, 4 D¹/₂, 2 D¹/₄, 6 D¹/₈, 2 pairs switches W, 2 DKW, 1 K
- Figure 3600/621** Double Track Oval with station
80 by 42 inches • Required Track 11 A, 1 AA, 24 D, 2 D¹/₄, 1 D¹/₈, 1 pair switches W, 2 DKW, 12 3700 A (See page 37)

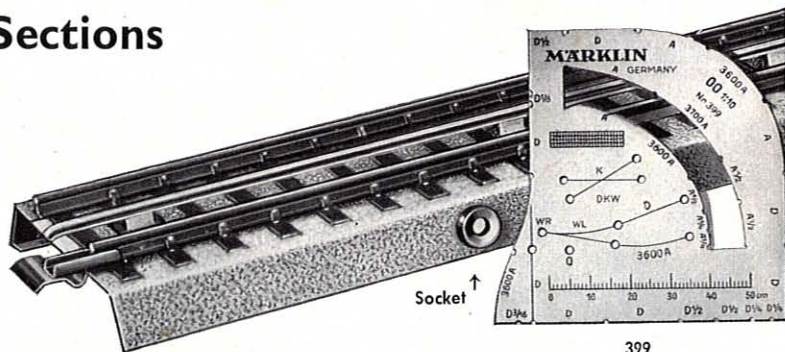


Further track plans are contained in booklet **No. 763 Track Plans H0 gauge**, 16 pages, 8¹/₂ by 11³/₄ inches
Published only in German

MARKLIN-HO-Model Rail Sections

The rails are made of drawn burnished steel track spiked to every tie. The ties are raised above the imitation rock ballast road bed. The contact tongues make short circuits impossible and provide perfect conductivity for the current from section to section.

A circle consisting of 12 sections of ordinary radius track has a diameter (including the road bed) of 30 inches. For details concerning the parallel circle, see page 37. The sections are joined by merely pushing them together. The track stencil 399 at the right, will be of great assistance when designing track layouts.



Close-up of a track section with insulated contact tongue and socket for grounding accessories.

Stencil of transparent plastic for drawing track plans. Scale 1:10.



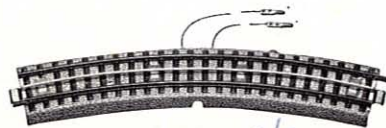
Straight Track Sections

3600 D¹/₁ Length 7 1/4 inches
 3600 D¹/₂ " 3 3/4 inches
 3600 D¹/₄ " 1 3/4 inches
 3600 D¹/₈ " 7/8 inches
 3600 D³/₁₆ " 1 3/16 inches



Curved Track Sections

3600 A¹/₁ Length 7 1/4 inches
 3600 A¹/₂ " 3 3/4 inches
 3600 A¹/₄ " 1 3/4 inches



3600 AA

Terminal Track Section with connecting cable curved, normal radius • Length 7 1/4 inches

3600 DA

same as above, but straight track section



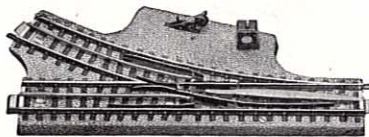
3600 ET

Disconnecting Section 1 3/4 inches

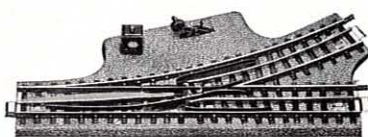


3600 K

Crossing • Length 7 1/2 inches



Right-hand switch



Left-hand switch

Pair of Manually Operated Switches • Realistically made with frog, guard rails, etc. • Unlighted lanterns • Points are held to outside rails by soft springs • Length per switch 7 1/4 inches



462

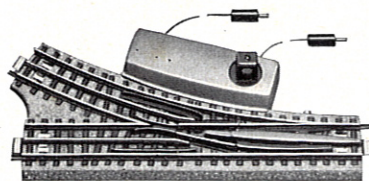
Bumper • Pressed steel • Imitation concrete • Base with track mounted Length 2 1/4 inches

462 B

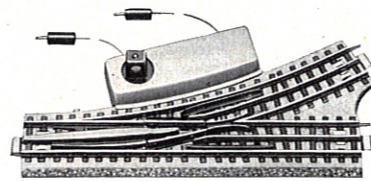
Bumper with red light

Electromagnetic Model Switches

with Remote Control



Right-hand switch

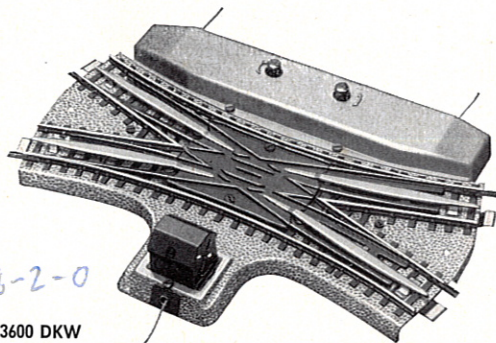


Left-hand switch

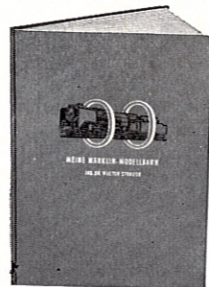
3600 MW

5-18-6 no.

Pair of electromagnetic switches • Length per switch $7\frac{1}{4}$ inches • Sockets for ground • Black and yellow cables for electromagnets and lights • Reliable operation • Illuminated lanterns



The factory sells
through dealers only



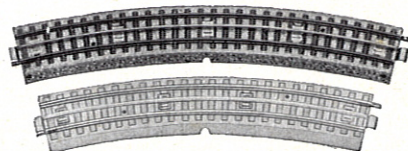
8-2-0

3600 DKW

Double Slip Switch • 2 electromagnetic switch machines • Illuminated lantern showing 4 different diagrams which change according to the position of the switch • Exact replica of the prototype • 2 black cables for electromagnets, yellow cable for lights • The switch machines possess a great reserve of power ensuring reliable operation • By special buttons manual operation is possible • Length $7\frac{1}{2}$ inches

Tracks for Parallel Circle

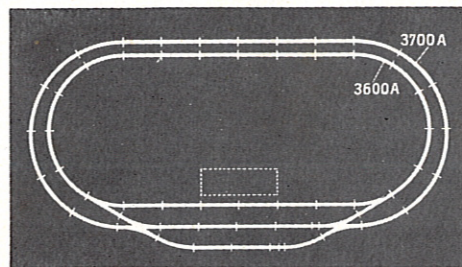
(36 inches diameter)



3700 A $\frac{1}{1}$

3600 A $\frac{1}{1}$

Curved Track Section for Parallel Circle. Used in double track layouts. 3700 A $\frac{1}{1}$ Length 9 inches, 3700 A $\frac{1}{2}$ Length $4\frac{1}{2}$ inches. 12 sections make a circle with a diameter of 36 inches incl. road bed. Electrical connection is made through terminal section 3600 DA. To be used with switches, slip switches, crossings, of the normal type.



3600/621 Example of layout with parallel circle
(See page 35)

Book: My MÄRKLIN Layout

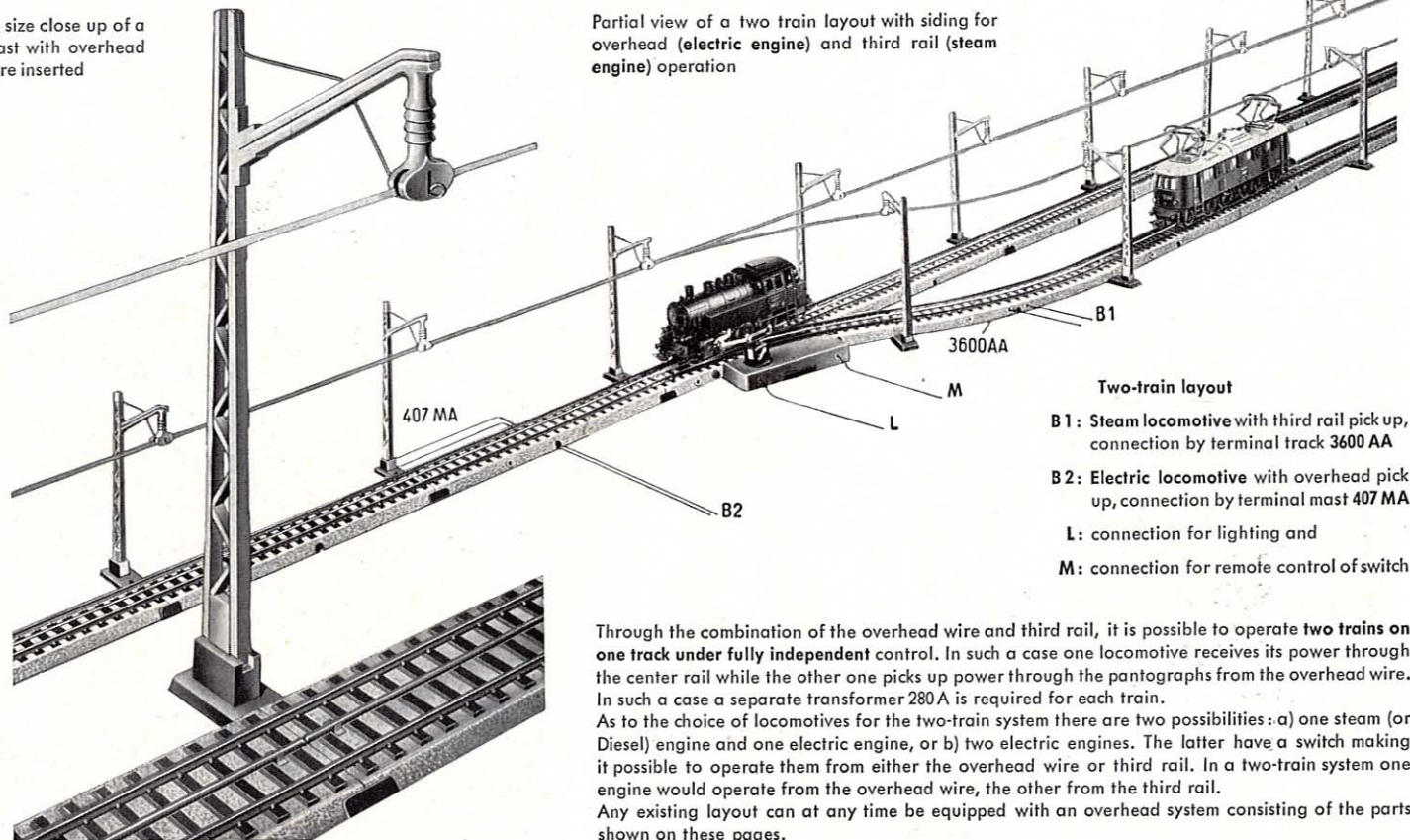
Published only in German

What it does, teaches, and performs. A small philosophy about H0 gauge by Dr. W. Strauß with 97 post-card sized pictures and one track plan. Shows how anyone can start a layout of modest dimensions and expand it into a model railroad empire. Gives valuable hints and errors to be avoided. Size $8\frac{1}{2}$ by 11 inches. Price \$ 5.00

The MARKLIN Overhead System

$\frac{2}{3}$ size close up of a mast with overhead wire inserted

Partial view of a two train layout with siding for overhead (electric engine) and third rail (steam engine) operation



Two-train layout

B1: Steam locomotive with third rail pick up, connection by terminal track 3600 AA

B2: Electric locomotive with overhead pick up, connection by terminal mast 407 MA

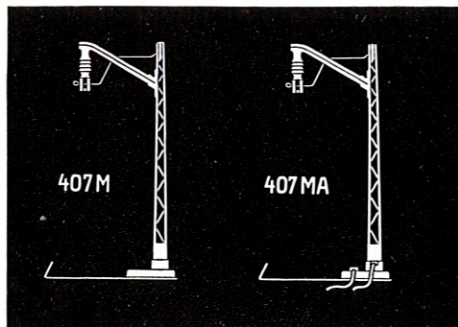
L: connection for lighting and

M: connection for remote control of switch

Through the combination of the overhead wire and third rail, it is possible to operate **two trains on one track under fully independent control**. In such a case one locomotive receives its power through the center rail while the other one picks up power through the pantographs from the overhead wire. In such a case a separate transformer 280 A is required for each train.

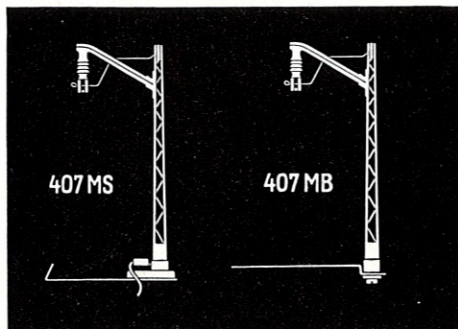
As to the choice of locomotives for the two-train system there are two possibilities: a) one steam (or Diesel) engine and one electric engine, or b) two electric engines. The latter have a switch making it possible to operate them from either the overhead wire or third rail. In a two-train system one engine would operate from the overhead wire, the other from the third rail.

Any existing layout can at any time be equipped with an overhead system consisting of the parts shown on these pages.



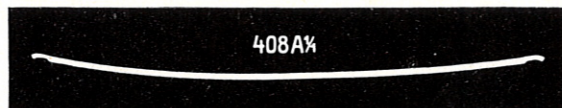
407 M *4/3-*
Mast, height
4 1/4 inches

407 MA *9/6*
Terminal mast with 20 inch cable
and metal plugs

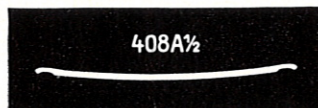


407 MS *9/6-*
Contact mast for signals
with train control

407 MB
Bridge mast



408 A¹/₁ Overhead wire for wide radius curved track, full section

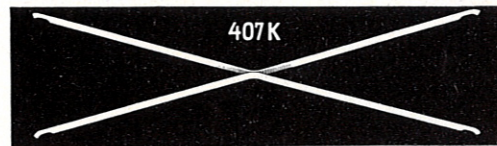
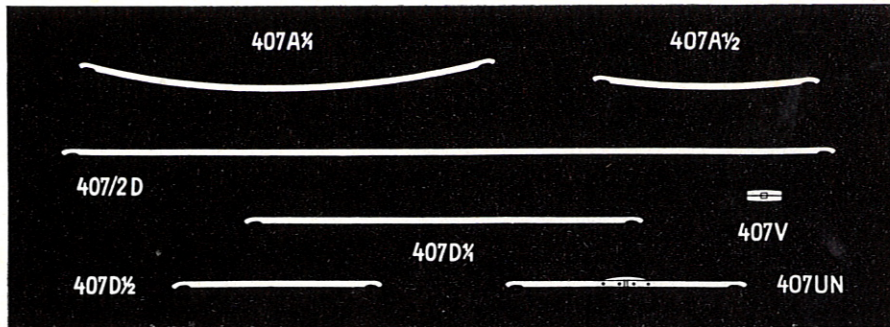


408 A¹/₂ Half section

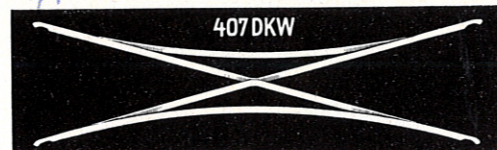
Parts of the H0 Overhead System

Overhead Wires

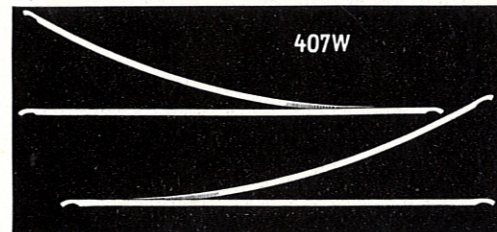
- 6* 407 A¹/₁ Overhead wire, curved, full section
- 5* 407 A¹/₂ Overhead wire, curved, half section
- 1/2* 407/2 D Overhead wire, straight, double sect.
- 6* 407 D¹/₁ Overhead wire, straight, full section
- 5* 407 D¹/₂ Overhead wire, straight, half section
- 3/2* 407 UN Circuit breaker section
- 1/2* 407 V Overhead splicing piece
- 407 GS Overhead outfit for all signals with
train control (443 G, 479 G, 445 G,
480 G)



1/9- 407 K Overhead wire for crossover

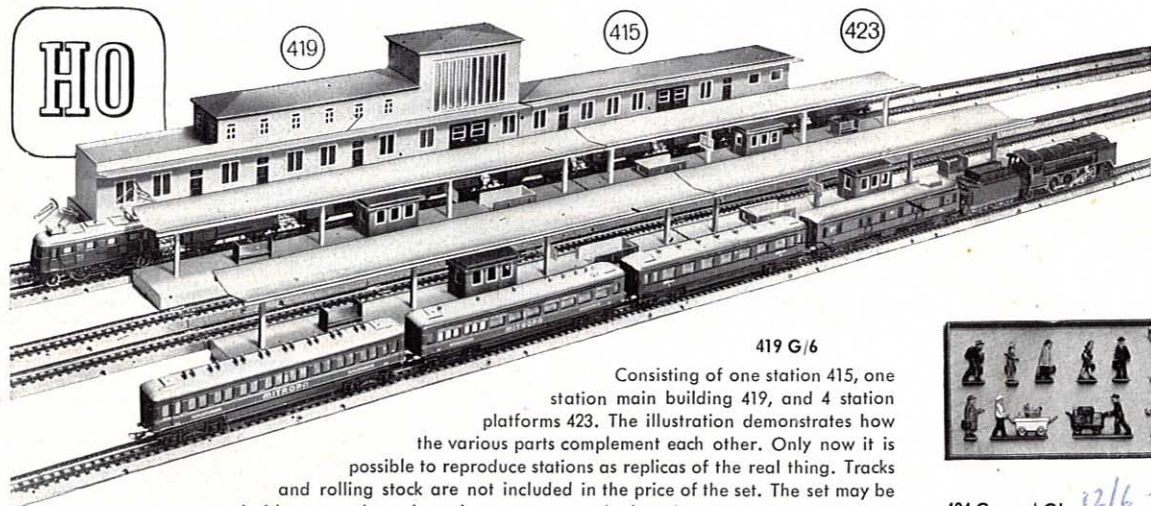


4/1- 407 DKW Overhead wire for double slip switch



3/3- 407 W Overhead wire for pair of switches

HO



The Modern Station Set

419 G/6

Consisting of one station 415, one station main building 419, and 4 station platforms 423. The illustration demonstrates how the various parts complement each other. Only now it is possible to reproduce stations as replicas of the real thing. Tracks and rolling stock are not included in the price of the set. The set may be used either as a through station or as a terminal station. It can be enlarged as desired. The above illustration shows the rear view of the buildings shown below. All parts of the set can also be used independently of each other. In order to create added realism and life, set 404 G is recommended. This set contains pretty little figures of railroad personnel, passengers, etc.



404 Ga and Gb

12/6-

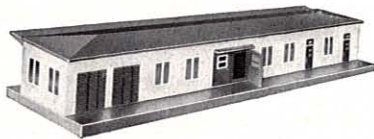


Set of Figures • Consists of 10 pieces • Height of figures 22 mm (about $\frac{3}{4}$ inch) • Two different sets available, a and b • A popular addition to create life around the station



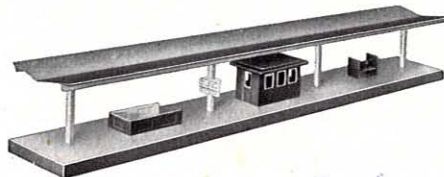
419 5-12-0

Main Station Building • With mezzanine and terrace roof • Cut-out windows with cello glass • Operating doors • Dummy clock • Removable roofs • Provision for interior illumination with light socket 481N • Tastefully colored • Height $6\frac{1}{4}$ inches • Base $20\frac{1}{4}$ by $5\frac{1}{2}$ inches



415 3-4-0

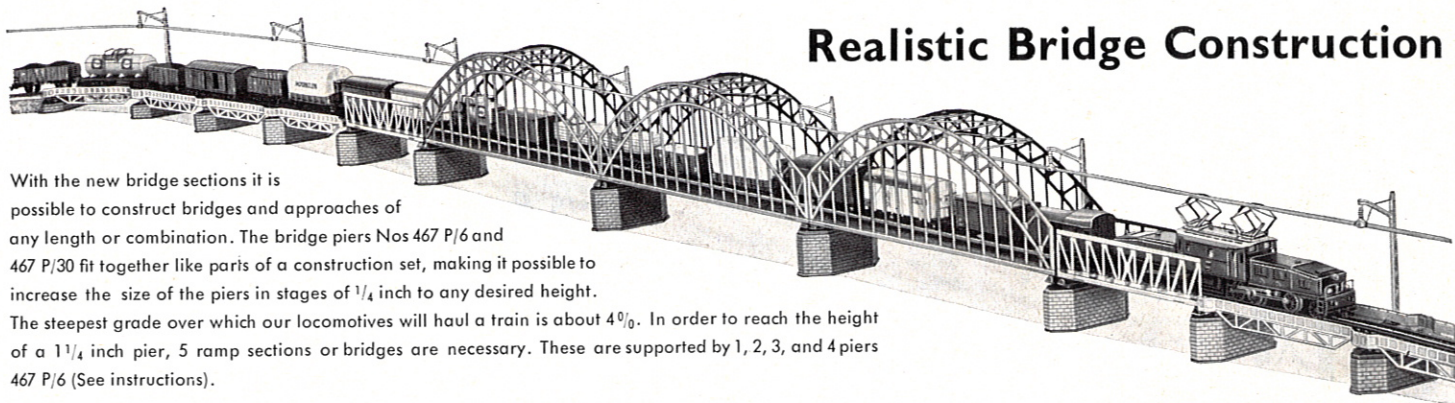
Station Building • May be used independently or as an extension to station 419 • Cut-out windows with cello glass • Operating doors • Provision for interior illumination with light socket 481N • Height $3\frac{1}{4}$ inches • Base $17\frac{3}{4}$ by $5\frac{1}{2}$ inches



423 2-7-6

Station Platform • Designed for use with stations 415 and 419, but may also be used independently • With waiting room, underpass with stairs, bulletin board, and bench • Height $3\frac{1}{4}$ inches • Base $20\frac{1}{4}$ by $3\frac{1}{4}$ inches

Realistic Bridge Construction



With the new bridge sections it is possible to construct bridges and approaches of any length or combination. The bridge piers Nos 467 P/6 and 467 P/30 fit together like parts of a construction set, making it possible to increase the size of the piers in stages of $\frac{1}{4}$ inch to any desired height. The steepest grade over which our locomotives will haul a train is about 4%. In order to reach the height of a $1\frac{1}{4}$ inch pier, 5 ramp sections or bridges are necessary. These are supported by 1, 2, 3, and 4 piers 467 P/6 (See instructions).



468 A

Curved Ramp Section

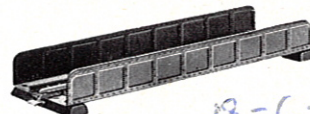
Ordinary radius • Grey • Length $7\frac{1}{4}$ inches



468 D

Straight Ramp Section

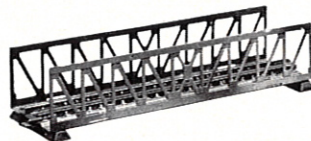
Grey • Length $7\frac{1}{4}$ inches



465

Plate Girder Bridge • Grey • Mounted track, $7\frac{1}{4}$ in. long • Slots for overhead mast 407 MB • Height including base 1 inch

Curved and Straight Ramp Sections together with the bridge piers are used to construct approaches • They are enamelled in grey and are equipped with mounted track and slots for the overhead mast 407 MB (See instructions)



466

Girder Bridge • Grey • Mounted track, $7\frac{1}{4}$ in. long • Slot for overhead mast 407 MB • Height including base $1\frac{3}{4}$ inches



467/2

Arched Bridge with mounted track, $14\frac{1}{2}$ inches long • Grey • Slots for 2 overhead masts 407 MB • Height including base $4\frac{3}{4}$ inches



467 P/30

Bridge Pier • Cast • Imitation masonry • Brown • May be raised by additional sections • Height $1\frac{1}{4}$ inches



467 P/6

Bridge Pier • Cast • Imitation masonry • Brown • Especially suitable for supporting of ramp sections • Height $\frac{1}{4}$ inch

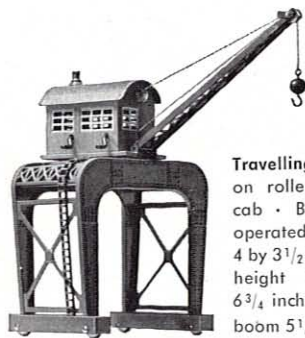


467 P/3

Base Plate • Green • Height $\frac{1}{8}$ in.

2/9- 4/9- 7/6- 41

Railroad Accessories



464

Travelling Crane • Travels on rollers • Revolving cab • Boom and hook operated by crank • Base 4 by $3\frac{1}{2}$ inches • Overall height without boom $6\frac{3}{4}$ inches • Length of boom $5\frac{1}{4}$ inches



463

Revolving Crane • Club turns on base • Boom and hook operated by crank • Base $2\frac{3}{4}$ by $2\frac{3}{4}$ by 1 inches • Length of boom $5\frac{1}{4}$ inches

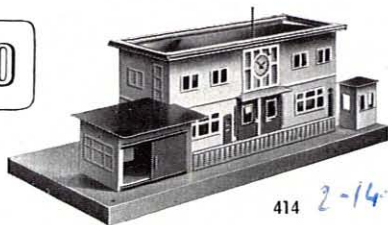


428

Freight Station with 2 sliding doors • Height $3\frac{1}{4}$ in. • Base 6 by $3\frac{3}{4}$ in.

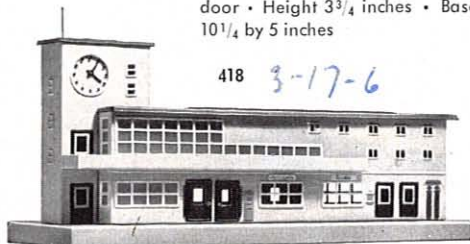
429

Loading Platform with movable crane • Base $5\frac{1}{2}$ by $3\frac{3}{4}$ in.



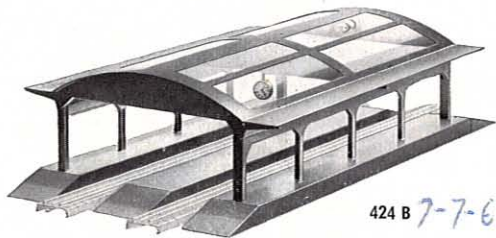
414

Station with freight shed and barrier • Cut-out windows • 2 operating doors • Main window with cello glass and clock • Shed with sliding door • Height $3\frac{3}{4}$ inches • Base $10\frac{1}{4}$ by 5 inches



418

Station with tower and terrace • Cut-out windows • 2 operating doors • clock and terrace windows made of cello glass • Height $6\frac{1}{4}$ inches • Base 14 by $4\frac{3}{4}$ inches

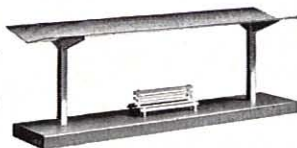


424 B

Covered Platform with freight platform • Roof of cello glass • Electrically illuminated (20 Volts) • 2 bulbs • Height 5 inches • Base 20 by 10 inches

422

Platform with corrugated roof and bench • Height 3 inches • Base 8 by $1\frac{3}{4}$ inches



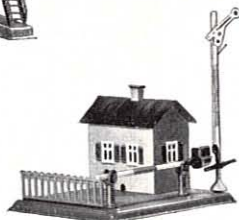
444

Foot Bridge with 2 movable semaphores • Width 8 inches • Height 4 inches, with signals $5\frac{1}{2}$ inches



455

Keeper's Hut with cut-out windows • Operating signal and gate • Height with signal $4\frac{1}{4}$ inches • Base 4 by $3\frac{1}{4}$ inches



432

Signal Board, for use with warning signal 435 • Height 1 inch



431

Signal Boards • Set of 3, Height of each $1\frac{1}{4}$ inches



435

Warning Signal with operating lever • Height $2\frac{3}{4}$ inches



440

Semaphore with operating lever • Height $4\frac{1}{4}$ in.

Accessories for Remote Control and Lights



470 *6/9-*

Distributor Plate • with 9 single-pole connections • Size $2\frac{1}{4}$ by $\frac{3}{4}$ in.



474/4 *15/9*

Control Plate • For the operation of switches, signals, etc. with 4 single-pole connections • Length $3\frac{1}{4}$ inches • Width $1\frac{1}{2}$ inches



474/8B *1/16/0*

Control Plate • For the operation of switches, signals, etc. with 8 single-pole connections • Diagrams illuminated (2 bulbs 499 white) • Length $5\frac{1}{4}$ in. • Width $1\frac{1}{2}$ in. A set of paper diagrams is included with the control plates 474/4 and 474/8B • With the aid of these, the various buttons may be marked according to their use.



433G/12 *17/9-*

Set of Number Plates • For marking of switches, signals, etc. Consists of 12 cast bases, a set of numbers to fit control plates 474/4 and 474/8B, and a set of numbers (1 to 24) including set of paper diagrams (1 to 48) printed on cardboard to be cut out and inserted into the slots of the bases • Packed in cardboard box, $6\frac{1}{2}$ by 4 inches



475/4 *18/1-*

Control Plate with 4 switches for controlling lights or blocks of track • 4 toggle switches with 4 single-pole connections • Length $3\frac{1}{4}$ • Width $1\frac{1}{2}$ inches



489/1

Cable, single-pole • Available in brown, red, black, yellow, or green • With plug and socket • Length 1 yard

489/2

Cable, single-pole • Available in brown, red, black, yellow, or green • With plug and socket • Length 2 yards

489 T

Connecting Cable for Transformers • single-pole • 2 plugs • brown • Length 10 inches



490/1

Cable • Double-pole • With 2 plugs and 2 sockets • Length 1 yard

490/2

Cable • Double-pole • With 2 plugs and 2 sockets • Length 2 yards

In the single-pole connecting system, the cables are color-coded as follows:
Red = Power for locomotives (Transformer to center or overhead rail)
Brown = Ground, return current (Transformer to roadbed)
Black = Power for activating the electromagnets (Control plate to switches, signals, turntables, etc.)
Yellow = Illuminations (Transformer to distributor plates to lights)
Green = Constant power supply (Transformer to control plate)



490 M
Socket



490 S
Plug



490 SQ
Plug
with socket



497/3 P

Springs and Brushes for almost all H0 locomotives (Pair)



497/4 P

Pair of Brushes for CCS 800, DL 800, and ST 800



481 N

Station Light • With bulb 499 clear and cable with metal plugs • Used for the illumination of stations, buildings, etc.



448/1 1 bulb

with bulbs 499 cables and plugs

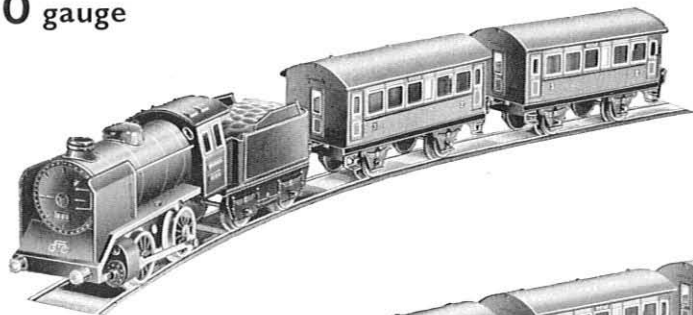


448/2 2 bulbs

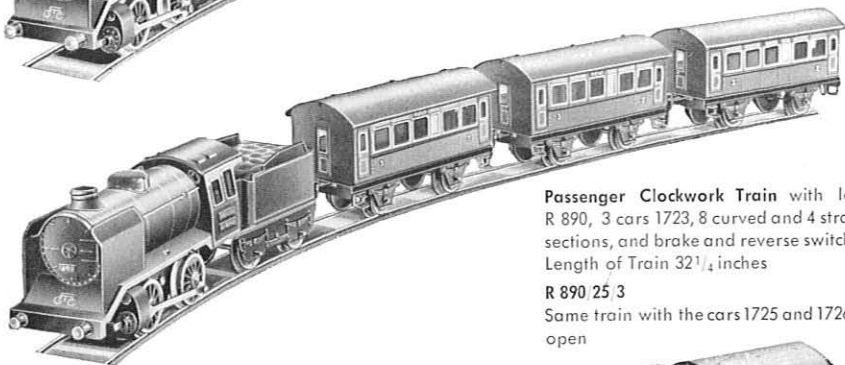
Arc Lamps
height 5 inches
15/9

No.	Bulbs	Colors
485	Cylindrical socket	clear red
495	5 mm screw thread 6 mm ø	clear red/green
499	5 mm screw thread 9 mm ø	clear red/green white

0 gauge



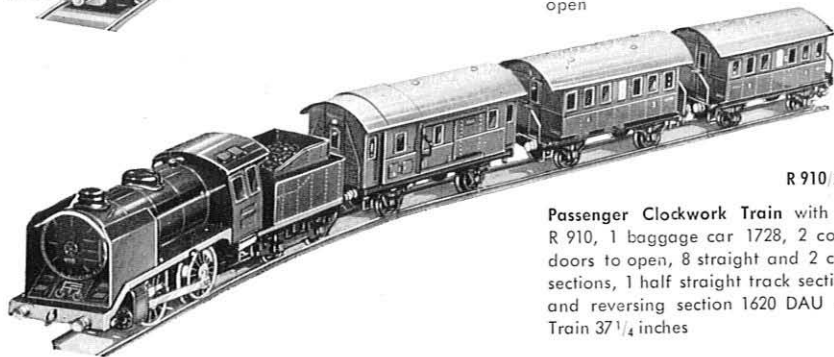
R 880 2
Passenger Clockwork
Train • Consists of loco-
 motive R 880 with brake,
 2 coaches 1723, 8 curved
 track sections 1620, and
 brake and reverse switch
 1620 BU • Length of Train
 24 1/4 inches



R 890 3

Passenger Clockwork Train with locomotive
 R 890, 3 cars 1723, 8 curved and 4 straight track
 sections, and brake and reverse switch 1620 BU •
 Length of Train 32 1/4 inches

R 890 25 3
 Same train with the cars 1725 and 1726, doors to
 open



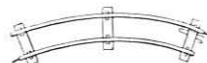
R 910 27/3

Passenger Clockwork Train with locomotive
 R 910, 1 baggage car 1728, 2 coaches 1727,
 doors to open, 8 straight and 2 curved track
 sections, 1 half straight track section, 1 brake
 and reversing section 1620 DAU • Length of
 Train 37 1/4 inches

MARKLIN

Track sections for Clockwork Trains

Length of a full, straight section 10 1/2 inches • 8 sections
 1620 A • comprise a circle with a diameter of 30 inches



1620 A 1/1 Full Curved

1620 A 1/2 Half Curved

1620 A 1/4 Quarter Curved



1620 D 1/1 Full Straight

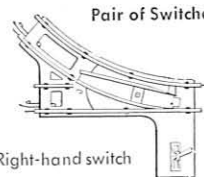
1620 D 1/2 Half Straight

1620 D 1/4 Quarter Straight

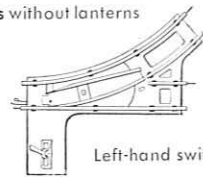
1620 D 1/10 Tenth Straight

1620 WB

Pair of Switches without lanterns



Right-hand switch



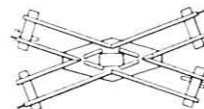
Left-hand switch

1620 BU

Brake and Reversing
 Switch

1620 DAU

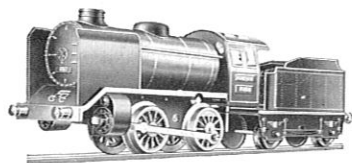
Brake and Reversing
 Track Section
 (half section)



1620 K
 Crossing

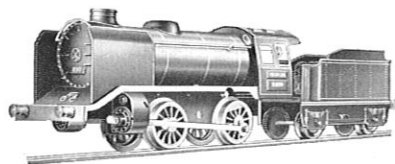
Those interested in further information about 0 gauge
 should ask their dealer for the special catalog 0.

Mechanical Trains



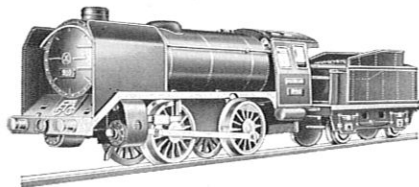
R 880

Locomotive with tender • Black • 0-4-0 Solid clockwork • Runs forwards and backwards • With brake • With rails and side rods • Length including tender 10 inches



R 890

Locomotive with tender • As above, but strong clockwork, may be operated either from the cab or automatically from the rail • Length with tender 11 inches.



R 910

With especially powerful clockwork, reversing from cab or rail • Cylinders with valve gear • Tender loaded with coal • Length with tender 12 1/2 inches



This booklet shows the entire 0 gauge collection of locos, cars, rolling stock, and accessories • Published only in German • Available from all authorized dealers

Mechanical trains also enjoy great popularity. The locomotives are powerful and have long running qualities. Each engine is equipped with a governor so that it may be operated even without cars attached. All locomotives can be operated either from controls located in the cab or from the special control track. The large assortment of freight cars, some examples of which are illustrated here, make it possible to operate many interesting trains, both freight and passenger.



1764

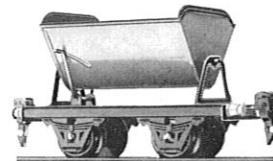
Low-sided gondola • Brown • Length 6 3/4 inches

0 gauge



1763

Covered Wagon • Green • White canvas and cross bows removable • Length 6 3/4 inches



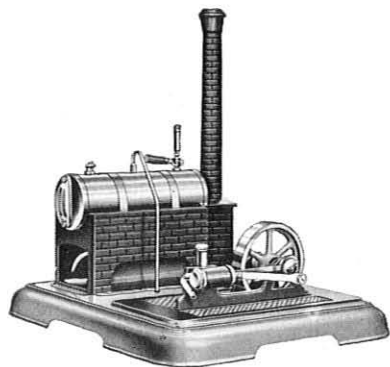
1792

Side Tipping Wagon • Tips do either side with lock • Length 5 1/4 inches



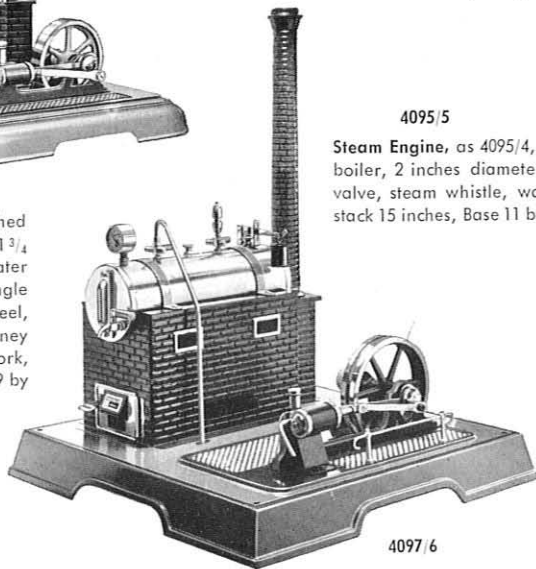
Tank Wagon

1674 E Grey with ESSO markings • Length 5 1/4 inches
1674 S Yellow with SHELL markings



4095/4

Steam Engine • Polished brass boiler, diameter $1\frac{3}{4}$ inches, safety valve, water gauge, steam whistle, single acting cylinder, flywheel, grooved pulley, chimney with imitation brickwork, height 10 inches, base 9 by 10 inches, Weight 3 lbs.



4097/6

Steam Engine • Polished brass boiler, $2\frac{1}{2}$ inches diameter • Steam valve • Weight and lever safety valve • Steam whistle • Pressure gauge • Water gauge • Water drain tap • Check tap • Stationary single acting cylinder with lubricating can • Reversible • Grooved flywheel • Grooved pulley • Base 12 by 12 inches • Height with stack $15\frac{3}{4}$ inches • Weight $5\frac{3}{4}$ lbs.

4097/92/6 Steam engine 4097/6, but with dynamo 3392 and arc lamp 3447 ($2\frac{1}{2}$ volts, 0,2 amp.) • Weight $6\frac{1}{2}$ lbs.

MÄRKLIN Steam Engines have always been among the most eagerly sought educational toys. They illustrate the conversion of heat to mechanical energy. Steam engines equipped with dynamos take us one step further and show the conversion of mechanical energy into electrical energy so that light can be produced. By using a transmission it is possible to operate several working models. All engines are equipped with a safety valve and tested under pressure. Observe the instructions. All steam engines are heated by safety alcohol burners. They will operate forwards or backwards depending on how the flywheel is started.

4095/5

Steam Engine, as 4095/4, but larger. Polished brass boiler, 2 inches diameter, with steam cock, safety valve, steam whistle, water gauge, etc. Height of stack 15 inches, Base 11 by 11 inches, Weight $4\frac{1}{4}$ lbs.

4097/6

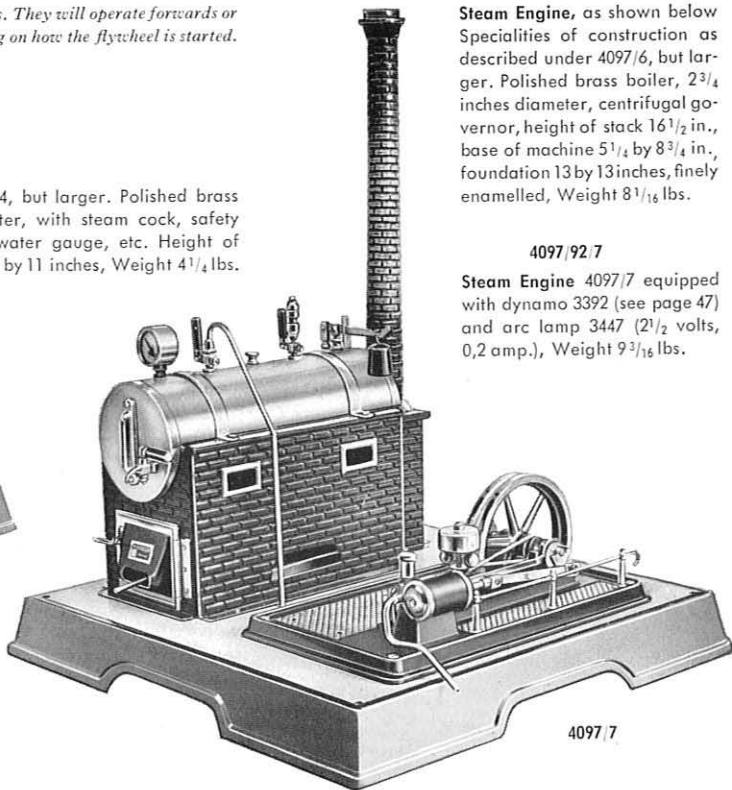
MÄRKLIN

4097/7

Steam Engine, as shown below. Specialities of construction as described under 4097/6, but larger. Polished brass boiler, $2\frac{3}{4}$ inches diameter, centrifugal governor, height of stack $16\frac{1}{2}$ in., base of machine $5\frac{1}{4}$ by $8\frac{3}{4}$ in., foundation 13 by 13 inches, finely enamelled, Weight $8\frac{1}{16}$ lbs.

4097/92/7

Steam Engine 4097/7 equipped with dynamo 3392 (see page 47) and arc lamp 3447 ($2\frac{1}{2}$ volts, 0,2 amp.), Weight $9\frac{3}{16}$ lbs.



4097/7

Steam Engines

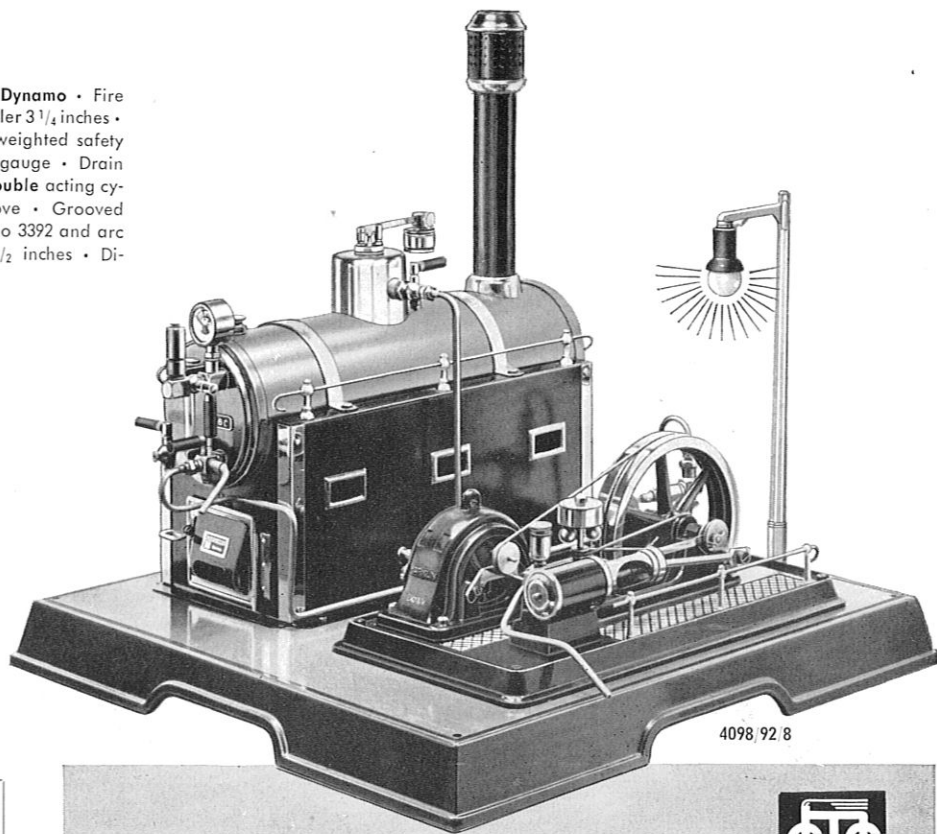
MARKLIN

4098/92/8

Model Steam Engine with Fire Tube Boiler, Feed Pump, and Dynamo • Fire tube boiler of brass, oxidized in steel-blue • Diameter of boiler $3\frac{1}{4}$ inches • Length $10\frac{1}{4}$ inches • Steam whistle • Steam dome with weighted safety valve • Check tap • Pressure gauge • 3 way cock • Water gauge • Drain cock • Safety alcohol burner • Filling screw • Stationary **double** acting cylinder with lubricator • Reversible • Flywheel with groove • Grooved pulley • Centrifugal speed regulator • Feed pump • Dynamo 3392 and arc lamp 3447 • Base 15 by 15 inches • Height with stack $13\frac{1}{2}$ inches • Diameter of flywheel 4 inches • Weight $18\frac{3}{16}$ lbs.



3392 Dynamo, generates alternating current • Field magnet • Two piece armature, grooved pulley • Brush holders • Cast housing • Generates 2,5 volts, 0,2 amperes at 4000 revolutions per minute • Base $3\frac{3}{4}$ by $2\frac{1}{4}$ in. • Height $2\frac{1}{2}$ in.



4098/92/8



Electrical Experimentation Sets ELEX

are among the most popular educational aids for the younger generation. They have by far surpassed all expectations. This is proven by the numerous unsolicited testimonials from young and old alone, especially from technicians and physicists.

MÄRKLIN ELEX are complete experimentation sets. By busying himself with these sets, the youngster is introduced to the basic principles of magnetism and electricity. With the special parts contained in set 503, it is possible to conduct experiments involving meters and gauges, relays, and even telephone systems. Aside from the necessary parts, each set contains a richly illustrated instruction book showing all important experiments. An ordinary flashlight battery in connection with the instruction book is sufficient to begin experimenting. For the operation of models built with the ELEX sets the transformer 13470 UG is recommended. This transformer is connected to the house current (AC).

Weight 3 $\frac{3}{4}$ lbs.

Like all Märklin construction sets, the ELEX can be transformed into the next higher set through the purchase of a supplementary set 501 A and 502 A

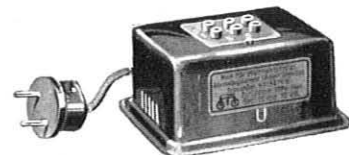
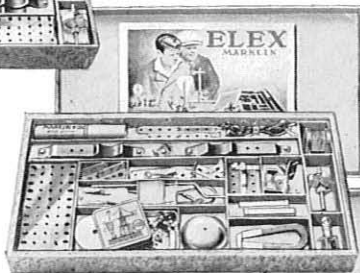
ELEX 502

Basic set with instruction book for over 100 experiments • Size of box 17 by 9 $\frac{1}{4}$ inches • (Supplementary Set 502 A transforming 502 into 503) • Weight 2 $\frac{1}{2}$ lbs.



ELEX 501

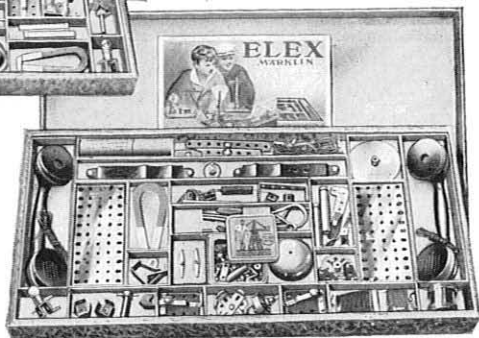
Basic set with instruction book for about 60 experiments • Size of box 13 by 8 inches • Weight 2 $\frac{1}{2}$ lbs. (Supplementary Set 501 A transforming 501 into 502) Weight 2 lbs.



13470 UG

Experimentation transformer

Connections for 4 to 20 volts • Capacity 12 VA • When ordering, please specify voltage of house current • Base plate 5 by 4 inches • Weight 2 $\frac{1}{2}$ lbs.

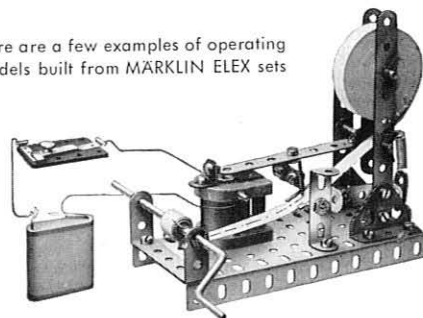


ELEX 503

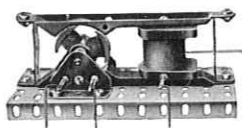
Basic set with enlarged instruction book for over 160 experiments • Size of box 22 $\frac{1}{2}$ by 11 inches • Weight 6 $\frac{1}{16}$ lbs.

MÄRKLIN

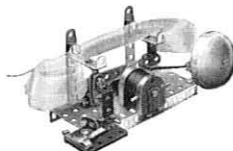
Here are a few examples of operating models built from MÄRKLIN ELEX sets



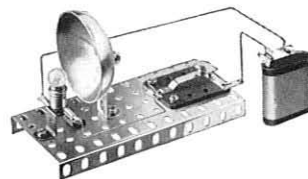
Morse Telegraph



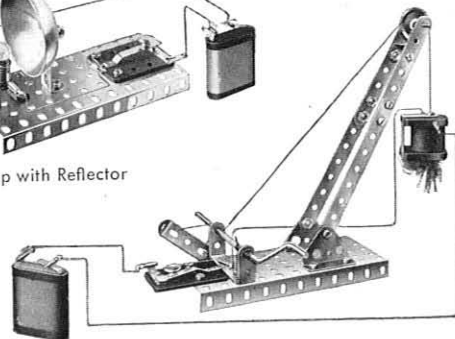
Electric Motor



Telephone



Lamp with Reflector

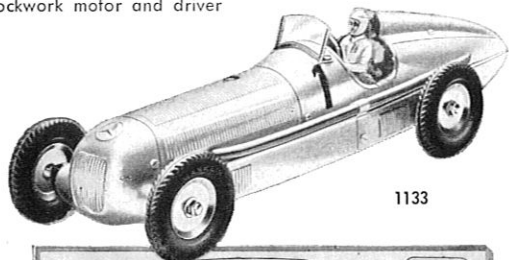


Crane with electric magnet

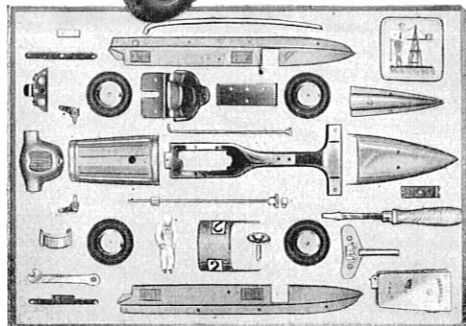
The Popular MARKLIN Auto Construction Kits

This set contains all the necessary parts for the construction of the Mercedes-Benz racing car shown below, including the clockwork motor and driver • Realistic appearance • Steered from steering wheel • Knee action • Powerful clockwork motor • Length of car 11½ inches • Weight 2¾ lbs.

Racing Car • Built from set 1133 • Finished model with clockwork motor and driver

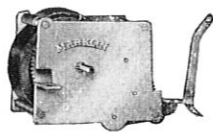


1133

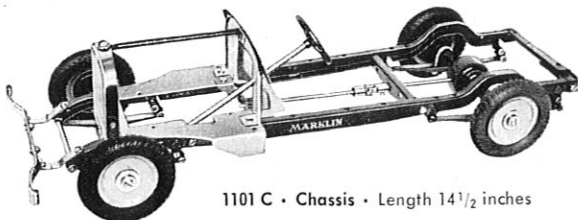


1133 Racing Car Construction Set • In carton • With clockwork motor, driver, and full instructions for the construction of the illustrated racing car

Those interested in a larger auto construction kit, should purchase the chassis kit 1101 C which will serve as a basic kit for the various models. With it a realistic chassis 14½ inches long can be assembled piece for piece, just as in a real auto chassis.



1109 M
Mechanical Motor, specially designed for chassis 1101 C



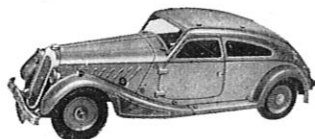
1101 C • Chassis • Length 14½ inches

All important components, such as the frame, springs, differential housing, universal joints, steering mechanism, etc. are present and can be easily assembled as shown in the detailed and richly illustrated instruction book which is furnished with every chassis kit. The motor 1109 M provides long, steady power. It is not furnished with the chassis kit and must be purchased separately.

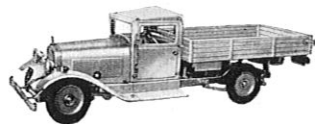
Any of the bodies shown at the right can be built on the completed chassis. A clever boy, however, can also design and build his own bodies from cardboard, wood, or other materials. The auto construction sets, therefore, will provide versatile entertainment for a long time.



1107 R
Racing Car Body

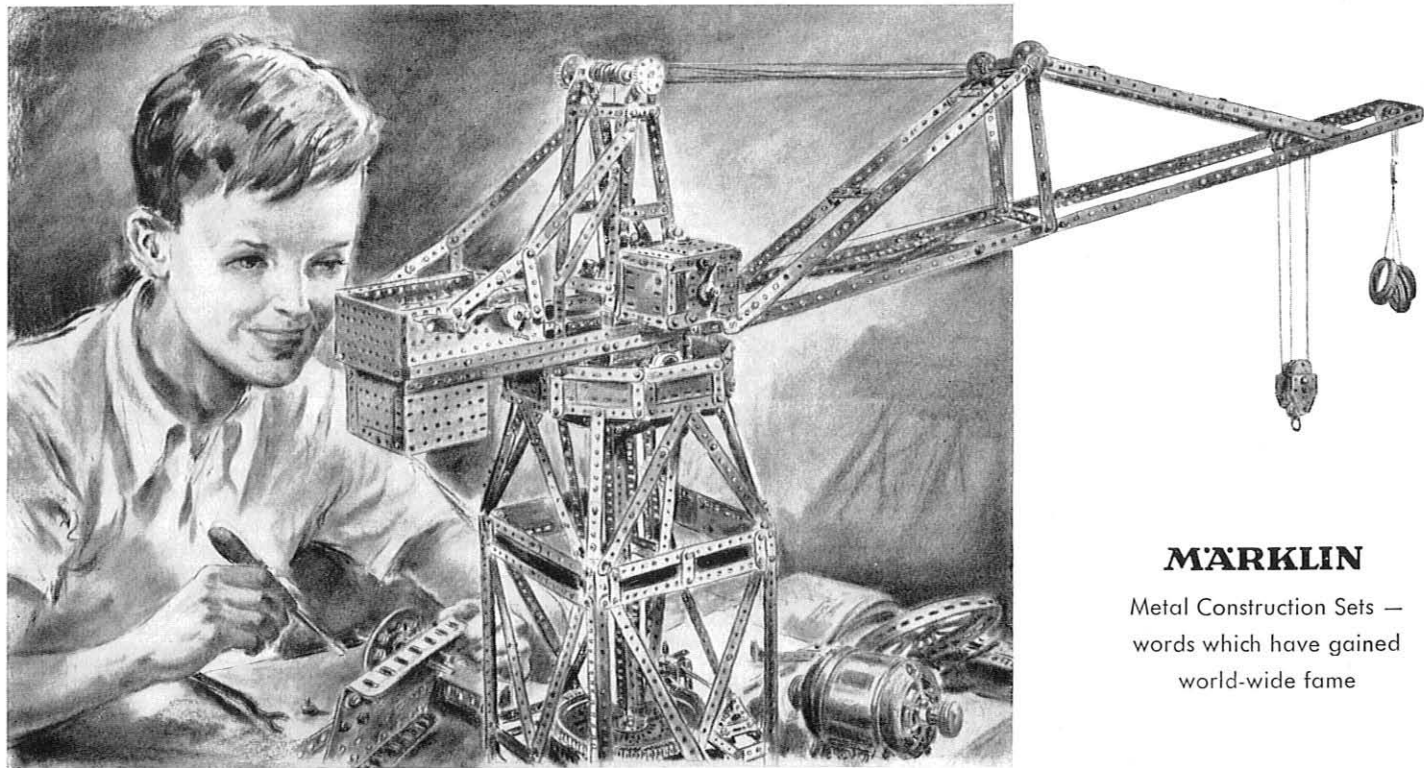


1103 ST
Streamlined Body



1105 L
Truck Body

MÄRKLIN METAL



MÄRKLIN

Metal Construction Sets —
words which have gained
world-wide fame

CONSTRUCTION SETS

Built with an eye to the latest developments of science, MÄRKLIN Metal Construction Sets, thanks to the manifold uses of their component parts, arouse in youth their inventive instincts. They open to youth the gates to technology so that they may copy it, live with it, and therefore understand it.

The possibility of constantly adding to the sets, of beginning with simple principles and then applying them in more and more complicated models, make MÄRKLIN Metal Construction Sets one of the most desired educational media. To build a large number of realistic models using a minimum of tools, and in addition to set them in motion with the motors shown on page 54, be they electrical or mechanical, is probably one of the fondest dreams of every red-blooded boy. A colorful, well illustrated instruction book is furnished with every set. Its clear sketches simplify the construction of complicated models and serve as a constant inspiration.

And so part is built upon part, new upon old, constantly keeping interest alive, never tiring. After all models in the construction book have been built and Christmas with its new supplementary set has not yet arrived, individual enterprise is given a free reign. Now the future engineer can look about himself into this world of science using its wonders as his models. And that is the finest aim of MÄRKLIN Metal Construction Sets; the fact that thanks to the varied uses of their component parts they encourage and develop inventive talents. Every set can be added to through supplementary sets or individual parts (see page 56).

METAL CONSTRUCTION SETS

MARKLIN



99

Basic Set 99

Contains 124 construction parts plus 37 metal clips, totalling **161 parts** • Size of box $15\frac{1}{2}$ by $10\frac{1}{2}$ by 1 inches • Weight 3 lbs.

To be increased to Basic Set 100 by Supplementary Set 99A



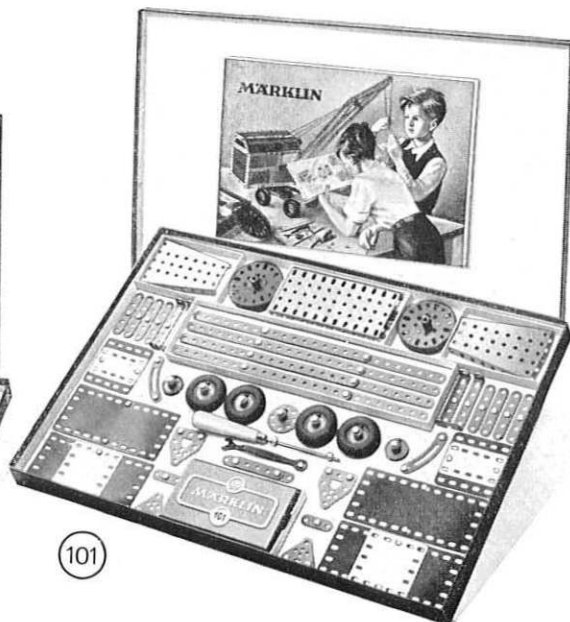
100

Basic Set 100

Contains 166 construction parts plus 53 metal clips, totalling **219 parts** • Size $16\frac{1}{4}$ by $12\frac{1}{4}$ by 1 inches • Weight $4\frac{1}{2}$ lbs.

With this set the versatility and number of models which can be built, starts to increase

To be increased to Basic Set 101 by Supplementary Set 100A



101

Basic Set 101

Contains 232 construction parts plus 69 metal clips, totalling **301 parts** • Size of box $20\frac{1}{2}$ by $14\frac{1}{2}$ by $1\frac{1}{4}$ inches • Weight 5 lbs.

One of the most popular basic sets • Numerous models of all kinds such as buses, trucks, steamers, cranes, machine tools, tractors, windmills, and many others are easily constructed with the aid of the illustrated instruction book.

To be increased to Basic Set 102 by Supplementary Set 101A

Basic Set 102

Contains 386 construction parts plus 79 metal clips, totalling 465 parts • Size of box $20\frac{1}{2}$ by $14\frac{1}{2}$ by $1\frac{1}{2}$ inches • Weight 8 lbs.



102

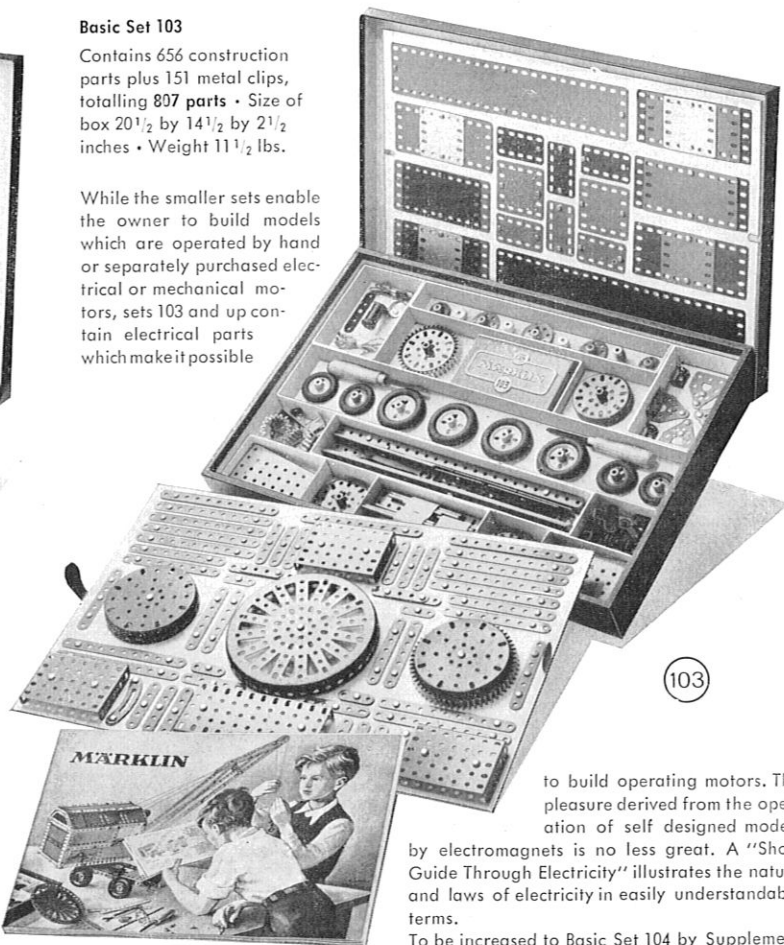
With set No. 102 the number of models which can be constructed increases considerably. Some of the models shown for this set in the construction book are a Diesel locomotive, a street car and wire maintenance car, truck, bus, tractor with trailer, harbor cranes, tower cranes, excentric presses, high speed drills, machine saws, windmills, and even a water pump.

To be increased to Basic Set 103 by Supplementary Set 102A

Basic Set 103

Contains 656 construction parts plus 151 metal clips, totalling 807 parts • Size of box $20\frac{1}{2}$ by $14\frac{1}{2}$ by $2\frac{1}{2}$ inches • Weight $11\frac{1}{2}$ lbs.

While the smaller sets enable the owner to build models which are operated by hand or separately purchased electrical or mechanical motors, sets 103 and up contain electrical parts which make it possible



103

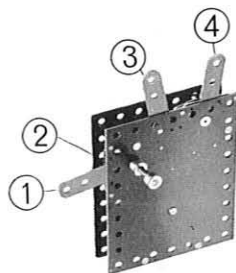
to build operating motors. The pleasure derived from the operation of self designed models by electromagnets is no less great. A "Short Guide Through Electricity" illustrates the nature and laws of electricity in easily understandable terms.

To be increased to Basic Set 104 by Supplementary Set 103A

Motors for use with MÄRKLIN-Construction Sets

MOTORS for operating models built from MÄRKLIN Metal Construction Sets. While it is an exciting experience for the youngster to build the many models shown in the instruction book so that part fits on part, and gear on gear, and move them by hand, imagine the fun of setting them in motion by using motors, electrical or mechanical. The three motors shown below are built so that they can easily be fitted into any of the models constructed. The smaller models use the mechanical and small electrical motors, while the universal electric motor is built for the largest types of models. Here is another example of the high educational value of MÄRKLIN Metal Construction Sets and their unlimited possibilities of construction and operation.

Mechanical Motor

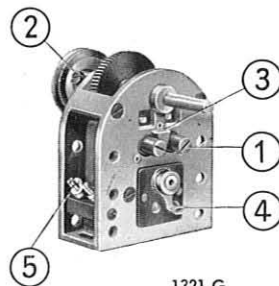


201 F

Mechanical Motor • Operates forwards or backwards • 2 speeds • Packed in carton with key and instructions.

1. Lever for switching from forwards to reverse
2. Main axle with set screw
3. Brake lever
4. Lever for fast and slow motion

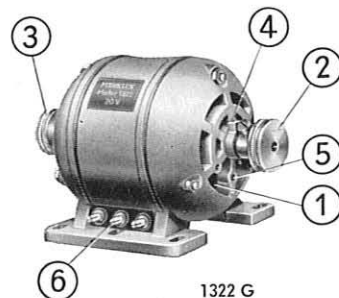
Electric Motors



1321 G

Electric Motor, simple construction, reversible, operates on 20 volts, can therefore be connected to any MÄRKLIN transformer, about 1500 revol. p. min. (no load), 2 cables 489/1 (red and brown) furnished with motor.

1. Removable brush caps
2. Main axle with pulley
3. Opening for oiling armature bearing
4. Reversing switch
5. 2 contact plugs



1322 G

Universal Electric Motor with cable and control board for changing direction • 2 pulley wheels operating with different speeds in opposing direction and controlled by transformer • About 3000 revol. p. min. (no load) • Extremely powerful motor, suited for the largest models as well as for the operation of dynamos and working models.

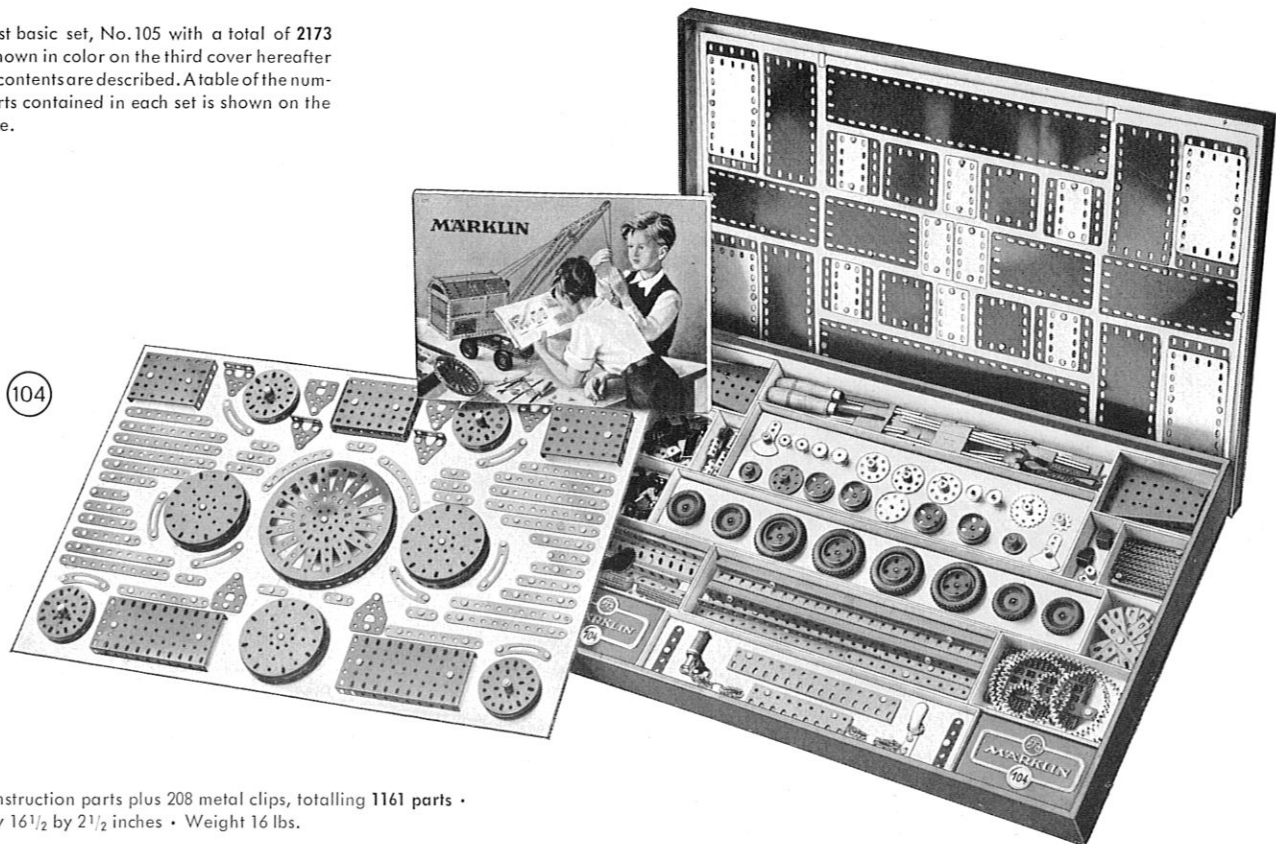
1. Cover for brushes 2.—3. Pulleys
4. Opening for axle oiling
5. Opening for armature axle oiling 6. Contact plugs

Furnished with following equipment:

5 cables (3 red, 2 brown), 1 switch, packed in carton.

The largest basic set, No. 105 with a total of 2173 parts, is shown in color on the third cover hereafter where its contents are described. A table of the number of parts contained in each set is shown on the same page.

104



Basic Set 104

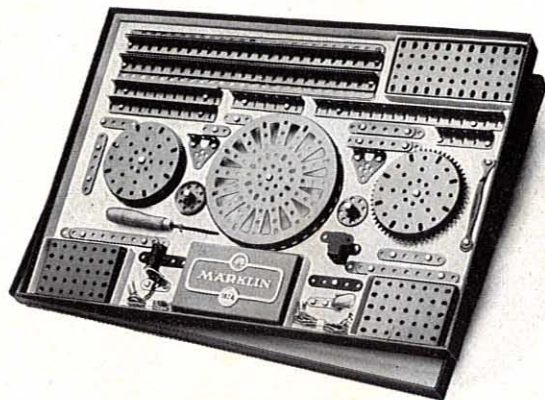
Contains 953 construction parts plus 208 metal clips, totalling 1161 parts •
Size of box 26 by 16½ by 2½ inches • Weight 16 lbs.

The accuracy and versatility of the models which can be built with the various sets begins to reach a peak in set 104. Interesting models of larger size such as bridges, derricks and motor vehicles can be reproduced with a great degree of accuracy. The richness of the assortment of parts and the number of examples shown for this set in the instruction book will make it difficult for the owner to decide which model to build first since the possibilities of this set are almost unlimited. To increase to Basic Set 105 by Supplementary Set 104 A.

Supplementary Sets

Any basic set can be transformed into the next higher basic set through the purchase of a supplementary set whose contents when combined with the smaller basic set equal those of the next higher basic set. Thus if set 101 is owned, and it is desired to improve it to the level of set 102, one needs to purchase set 101 A.

Supplementary Set
102 A



In short:

Basic Set 99 plus Supplementary Set 99A equal Basic Set 100
Basic Set 100 plus Supplementary Set 100A equal Basic Set 101
Basic Set 101 plus Supplementary Set 101A equal Basic Set 102
Basic Set 102 plus Supplementary Set 102A equal Basic Set 103
Basic Set 103 plus Supplementary Set 103A equal Basic Set 104
Basic Set 104 plus Supplementary Set 104A equal Basic Set 105

Individual Parts

If the parts contained in MARKLIN sets do not suffice to construct a planned model, supplementary parts can also be purchased individually. A special list illustrating all parts, if not the parts themselves, is available from every MARKLIN dealer.

A few of the many individual parts contained in
MARKLIN Metal Construction Sets



Basic Set 105

Contains 2035 construction parts plus 138 metal clips, totalling 2173 parts

Weight 30½ lbs., dim. 25½ × 16½ × 3½ in.

With MÄRKLIN Metal Construction Set 105 the last word in completeness is reached. Large models such as travelling portal cranes, airplanes, steamers, electric locomotives, etc. present no difficulties in regard to parts, for instance who would not like to erect a tower crane and then put his own creation into operation? This can be done merely by carefully following the series of drawings and diagrams depicting the construction of the frame and mechanism.

Ask your dealer
for the special
leaflet about
MÄRKLIN Metal
Construction Sets

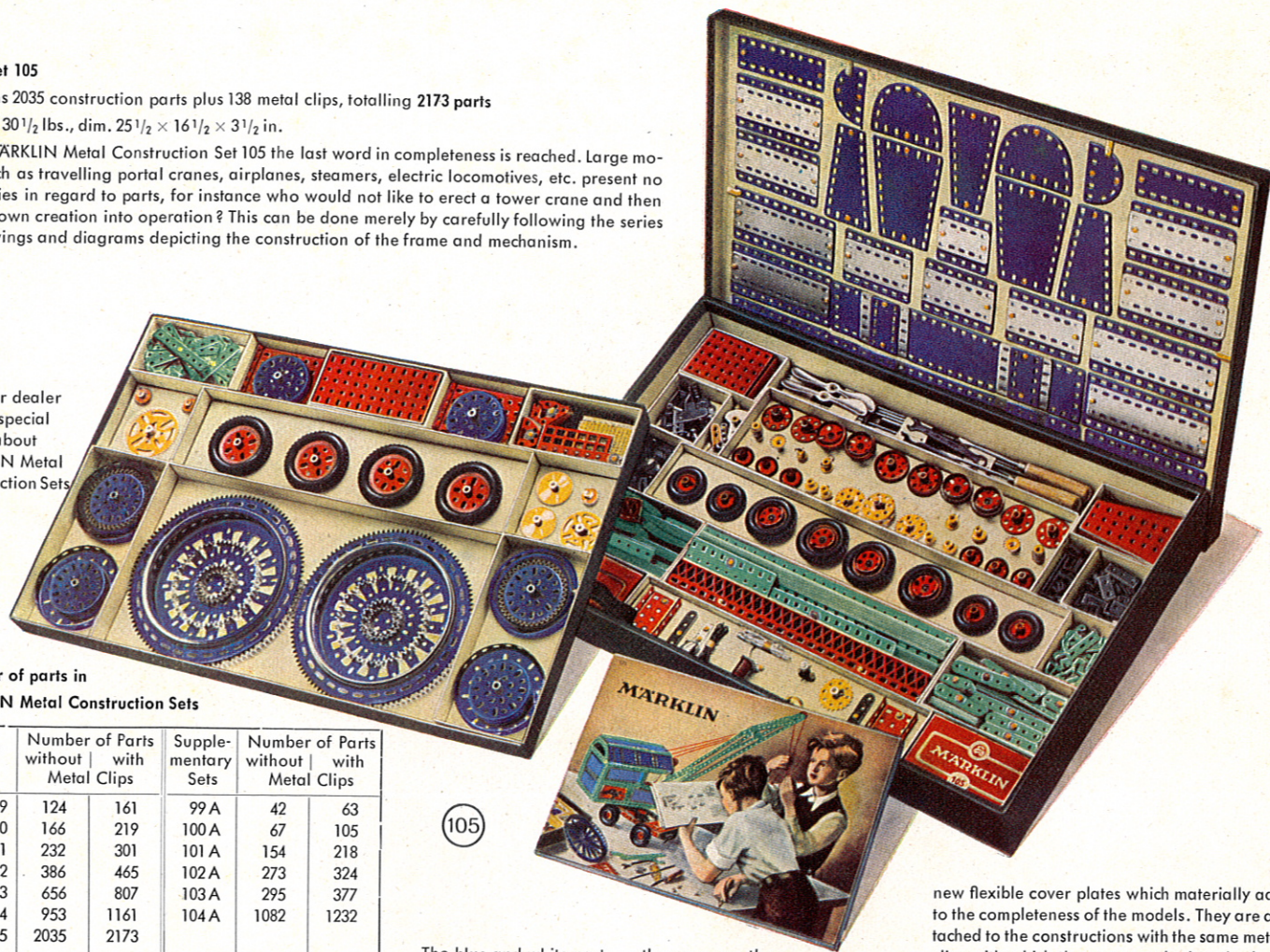
Number of parts in MÄRKLIN Metal Construction Sets

Basic Set	Number of Parts		Supplementary Sets	Number of Parts	
	without Metal Clips	with Metal Clips		without Metal Clips	with Metal Clips
No 99	124	161	99 A	42	63
No 100	166	219	100 A	67	105
No 101	232	301	101 A	154	218
No 102	386	465	102 A	273	324
No 103	656	807	103 A	295	377
No 104	953	1161	104 A	1082	1232
No 105	2035	2173			

105

The blue and white parts on the cover are the

new flexible cover plates which materially add to the completeness of the models. They are attached to the constructions with the same metal clips with which they are attached to the box.





MÄRKLIN