

WESA *-Lilliput*

Catalogue H 47

The small electric railway that everybody can afford!

The WESA lilliput railway

makes possible the construction of interesting, true to nature, miniature lay-outs on the smallest space. A normal dining room table is already large enough for a railway construction complete with station shunting rails, switches, etc. The radius of the curved rail is 20 cm, so that 8 curved rails together form a complete circle of 40 cm diameter.

The electric traction

is produced by a perfectly harmless low-current system. The tension in the rails is on the average of 15 volts (no stronger than 3 pocket-lamp batteries). The WESA-Lilliput Transformer serves as connection between the ordinary house-lighting current and the layout, this is explained in detail on page 4. Every WESA-lay-out, can be enlarged step by step by adding single pieces, or with supplementary boxes.



The small electric railway that everybody can afford

The foundation boxes

Every foundation box contains 2 Passenger cars No. 210, 8 curved full-length rails No. 331, 3 straight full-length rails No. 321, 1 straight connecting-rail complete with cable and plug No. 310, and 1 electric locomotive.

No. 414 Foundation set in blue box, 25×36 cm, with coloured picture, contents as described above locomotive No. 140 in green.

No. 413 Foundation box as described above but with locomotive No. 130 red.

No. 411 Foundation box as above, but with locomotive No. 100, green with Trolley.

No. 410 Foundation box as above, but with locomotive No. 110, red with Trolley.



Every WESA locomotive is subjected to a trial run under control of instruments of high precision.



The new rails, switches and parts of the carriages which are made of plastic, are manufactured with the most modern machines.

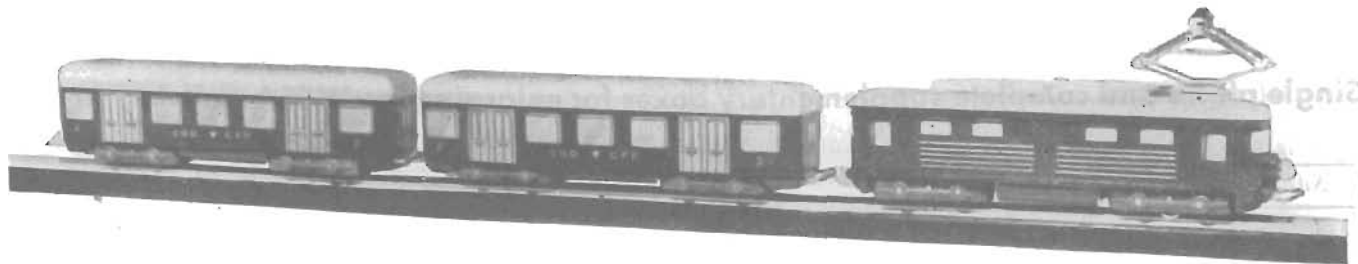
The WESA-Transformer

Is especially adapted to the WESA-locomotives and serves to connect the railway to the local current net. The revolving button permits a smooth regulation of the speed, and serves also to stop the train.



Every WESA-Transformer is absolutely harmless when in action, and short-circuit proof. There is no direct connection between the rail-layout and the local current. Thanks to the modern form of our transformer, it is possible to place two or even more transformers side by side, and so make a very effective commanding-station for larger layouts.

No. 801 for alternating-current 110—125 volts
No. 803 for alternating-current 145—160 volts
No. 804 for alternating-current 210—240 volts



WESA-TRAIN composed of locomotive No. 140 and 2 Passenger-cars No. 210

The 4 electric WESA-Lilliput locomotives

All the WESA-locomotives drive backwards and forwards (Change of direction on the locomotives No. 130 and 140 is produced by moving the small lever placed on the left, and on the locomotives No. 100 and 110, by moving back the trolley-arm) illuminated head-light, bogies WESA patent, climbing capacity in continuing movement is about 5 ‰. The new high-potency motor is permanently oiled. Oiling is therefore not necessary.

No. 140 green locomotive.

No. 130 red locomotive.

Like picture above.

No. 110 red locomotive with trolley.

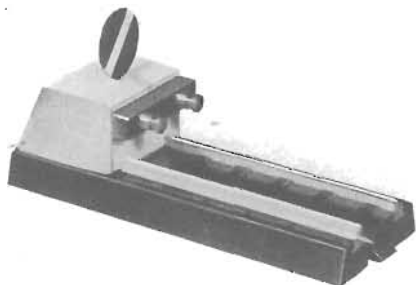
No. 100 green locomotive with trolley.

Like side picture.



Single pieces and complete supplementary boxes for enlarging the WESA-railway layouts

<i>Supplementary box No. 451:</i>		<i>Supplementary box No. 452:</i>	
1 electromagnetic left switch	No. 510	1 electromagnetic right-switch	No. 500
1 controlbox for 4 switches	No. 550	1 electromagnetic left-switch	No. 510
2 straight half-length rails	No. 322	1 control-box for 4 switches	No. 550
2 curved half-length rails	No. 332	4 lengthening cables	No. 342
2 straight full-length rails	No. 321	2 shunters	No. 700
2 curved full-length rails	No. 331	1 disconnecting rail	No. 340
1 straight quarter-length rails	No. 324	6 straight full-length rails	No. 321
1 shunter	No. 700	3 straight half-length rails	No. 322
2 lengthening cable	No. 342	2 straight quarter-length rails	No. 324
		3 curved full-length rails	No. 331
		3 curved half-length rails	No. 332
		2 curved quarter-length rails	No. 334
		<i>Supplementary box No. 450:</i>	
		The same as No. 451 but with right switch.	



No. 700 Shunter for the sidings with puffers, signal-disc on rail 85 mm long.

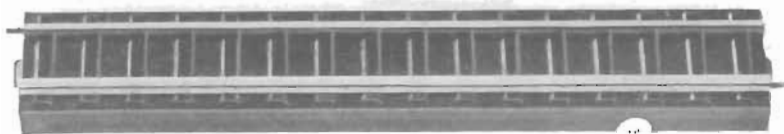


No. 340 disconnecting-rail serves for the division of a layout into different, completely separated, tracts. It is 85 mm long.

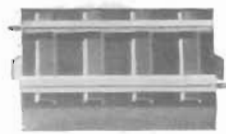
Rails WESA-Lilliput

Gauge 13 mm

Made in plastic, with sleepers, connecting springs of best quality hardened spring steel. Owing to its special construction the WESA-railway has no middle rail as current conductor. The current is conducted through the two side rails. That is why the WESA Lilliput railway looks much more natural.



No. 310 connecting rail with cable and contact, 170 mm long.
No. 321 straight full-length rail, 170 mm long.



No. 324 straight quarter-length rail, 43 mm long.

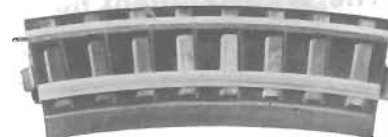


No. 334 curved quarter-length rail, 20 cm radius



No. 322 straight half-length rail, 85 mm long.

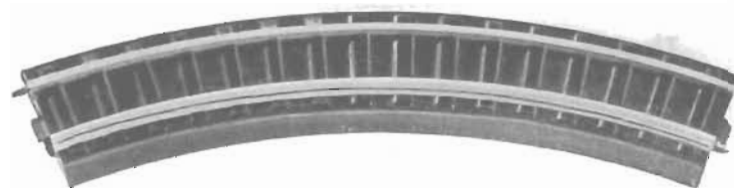
Every rail can be bought separately.



No. 332 curved half-length rail, 20 cm radius.

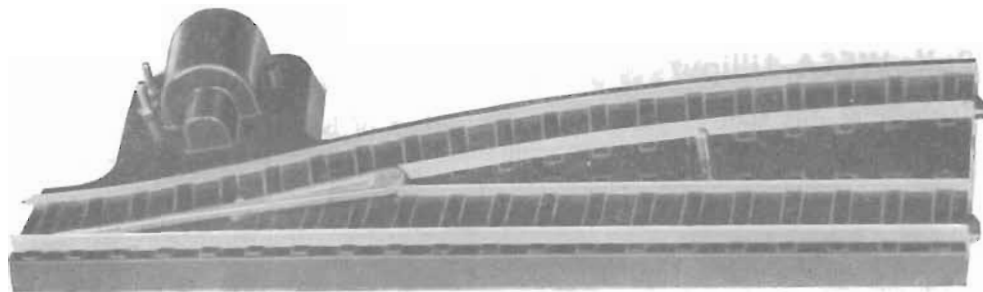


No. 351 curved full-length rail, 24 cm radius for double track layouts.



No. 331 curved full-length rail, 20 cm radius.

Left switch No. 510



No. 500 Right switch made of plastic, 210 mm long, electromagnetic for long distance action.
No. 510 Left switch made of plastic, idem.

The WESA-patent new construction switches:

For the first time the line branches off parallel to the main rail. Thus making it possible to construct double rail layouts with a natural minimum distance. The whole switch mechanism is cleverly covered so as to be protected from the dust.

The control-box No. 550

Serves for the connection of 1—4 switches. The movement of the switch is made by pressing down its corresponding button. The connections L5—L8 serve as separators for additional control-boxes or other equipment.



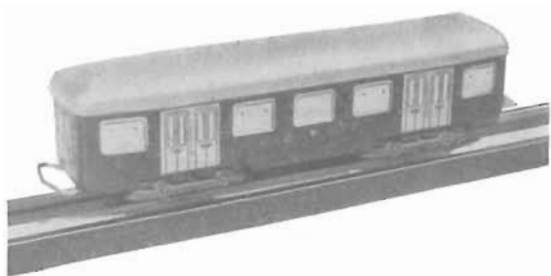


No. 240, Tank silver.

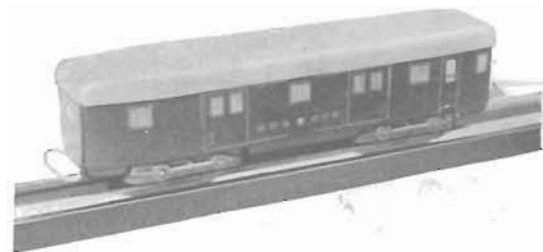
Tank van, four wheel bogies made of plastic. 131 mm long.



No. 241 Tank yellow.



No. 210 Passenger car, 4 wheel-bogies.

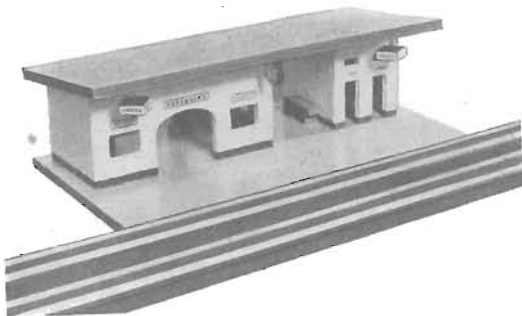


No. 220 Luggage van, 4 wheel-bogies.

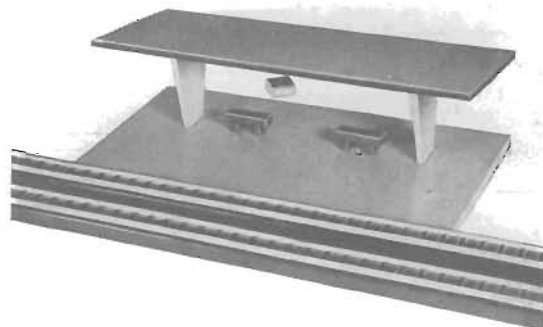


No. 230 Goods van (Gondola-Car).

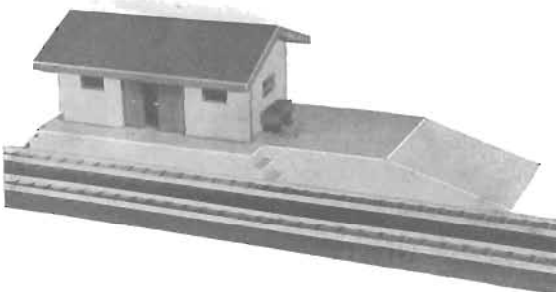
This low bordered van, 4 wheel-bogies, is very well adapted for carrying loads and for the construction of long goods trains. Weight only 52 grams.



No. 720 Station, Arosa model, 24 cm long, 13 cm wide.



No. 722 Platform with desk roof, Arosa model, the same size as the station.



No. 723 Goods deposit, with 2 doors and ramp.



No. 600 Tunnel, solid construction in steel plate, reinforced, impressed portal stones, brightly coloured.

WESA-RITOM, the original Pelton-Turbine

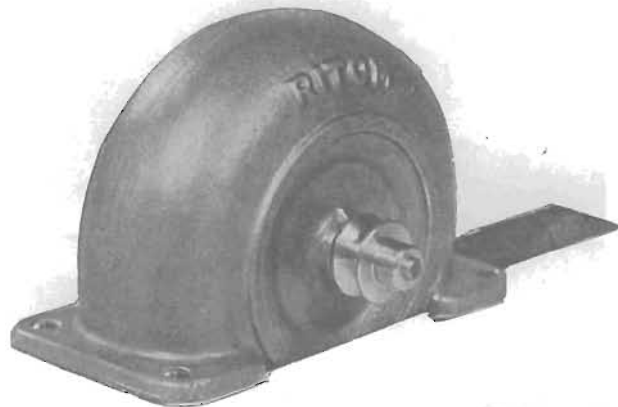
With this solid turbine, size $136 \times 65 \times 110$ mm can be generated without difficulty the electricity for the action of toys and small dynamos.

The output by normal water pressure is till $1/20$ PS.

The Pelton spattle-wheel works in the same manner as the turbines in the high tension electric works.

Marvellous model for Physic instruction.

Can be attached to any kind of water conduit.

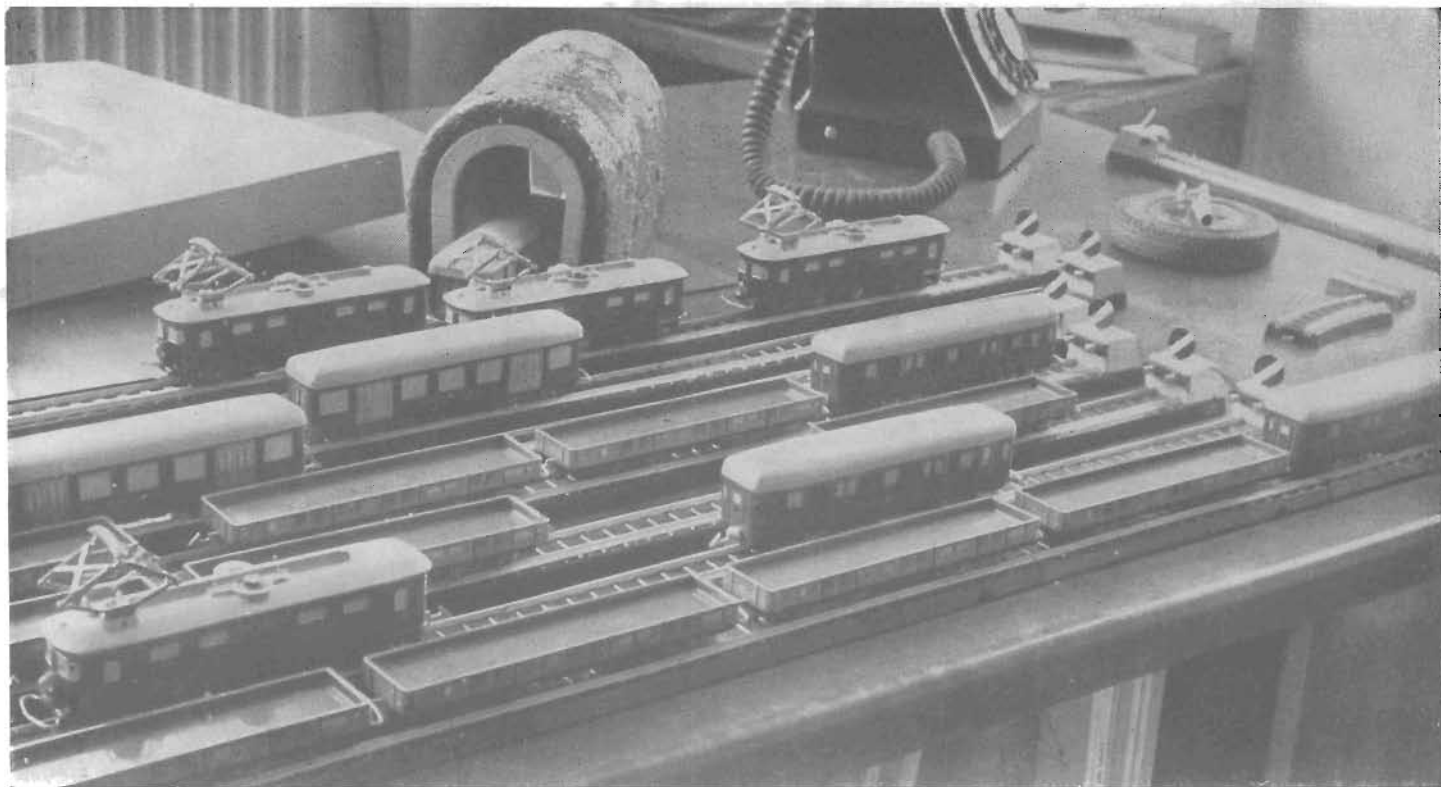


Every year the The WESA-Lilliput assortment is enriched by new pieces. For this reason ask for our new catalogue every year from your toy dealer, so as to be informed about the WESA-Lilliput novelties.

WESA Ltd.

INKWIL (Kt. Bern) Switzerland

(The factory does not deliver goods to private customers. On demand the address of the nearest toy dealer can be given.)



WESA-Lilliput, the small electric railway that everybody can afford!