HOW TO OPERATE

LIONEL No. 164

REMOTE CONTROL

LUMBER SHED

THE LIONEL CORPORATION

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CHICAGO SHOWROOMS
MERCHANDISE
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APPROVED SERVICE STATIONS IN THE PRINCIPAL CITIES, UNITED STATES AND CANADA

How to Operate Lionel Remote

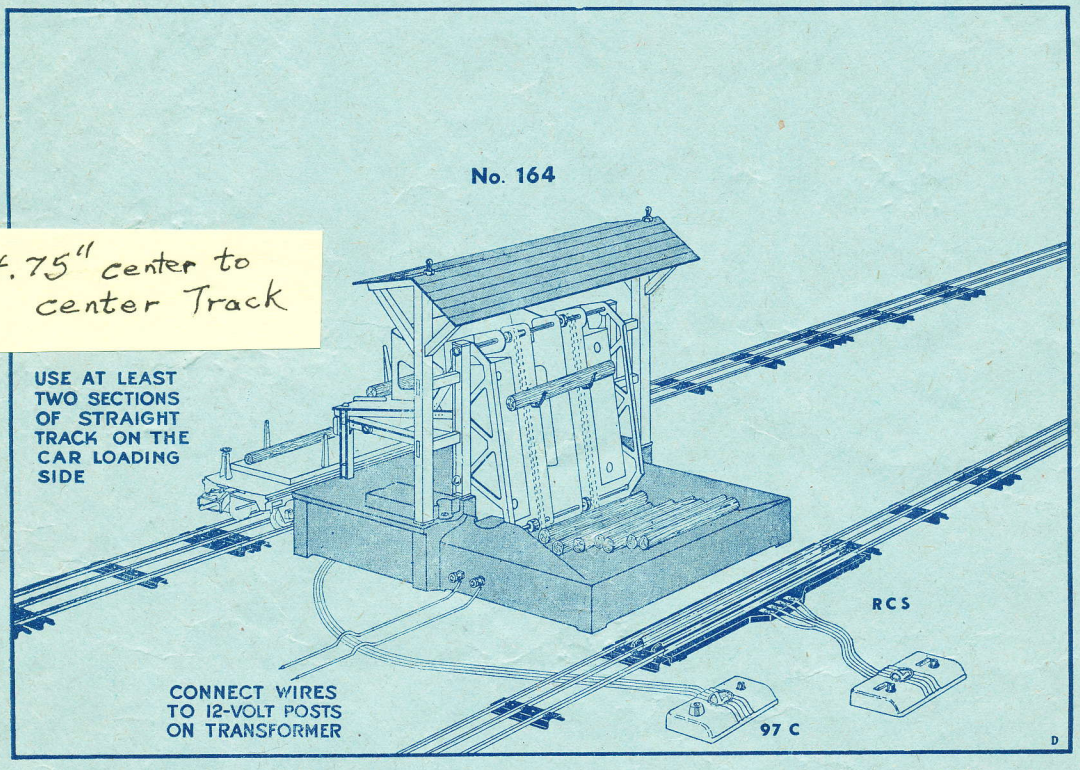


FIGURE 1—PLACE AND CONNECT LUMBER SHED AS SHOWN ABOVE.

HOW No. 97C CONTROLLER OPERATES

The No. 97C Controller, shown in illustration, has two controls: The knob to start and stop the motor-driven elevator chain and the push-button marked "Unload" to tilt stakes and let lumber down into a waiting car.

DUPLICATE THE LUMBERING OPERATIONS OF THE FAR WEST

Use No. 3451, 3651 and 3811 Remote Control Lumber Cars with No. 164 Lumber Shed. Make a track layout like that shown in Figure 1 (and on page 3) which is ideal when using Lionel remote control cars. Locate Lumber Shed between parallel tracks so that Lumber Cars can unload on one side directly into the bin and can be loaded by merely routing the empty cars to the other track where a touch of the remote control button will release the logs, two at a time, from the upper platform.

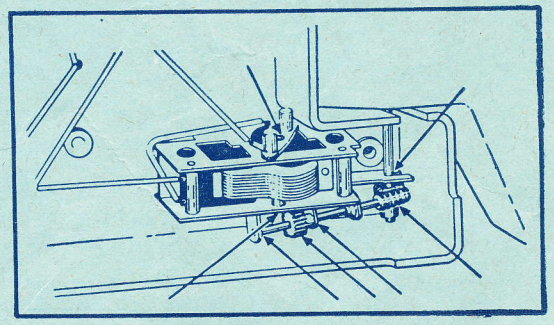


FIGURE 2—LUBRICATE POINTS INDICATED BY ARROWS.

Control Lumber Shed No. 164

Both "O" Gauge and "O-27" track layouts are shown on page 4, but any layout measuring approximately 14¾ inches between center rails of parallel tracks is suitable.

Wire connections for the principal types of Lionel Transformers are shown in the table. When using No. 1041 Transformer it may be necessary to stop the train before operating Lumber Shed.

The working mechanism, motor, shafts, and other points indicated in Figure 2 should be kept clean at all times. Lubricate lightly with Lionel No. 925 Lubricant.

With every No. 164 Lumber Shed the following equipment is included: one No. 97C Controller with three-conductor cable and 12 sticks of lumber.

"MULTIVOLT" TRANSFORMERS	
Type "B"	Posts "A" and "C" (13V)
Type "K"	Posts "B" and "E" (12V)
Type "T"	Posts "B" and "E" (12V)
Type "W"	Use 12V posts indicated on nameplate.
Type "1041"	Posts "A" and "U" (12V)
"TRAINMASTER" TRANSFORMERS	
Type "Q"	Posts "A" and "C" (14V)
Type "R"	Posts "A" and "D" (14V)
Type "V"	Posts governed by either No. 1 or No. 2 Voltage Control knobs, with knob set at 12 volts.
Type "Z"	Posts governed by either No. 1 or No. 2 Voltage Control Knobs, with knob set at 12 volts.

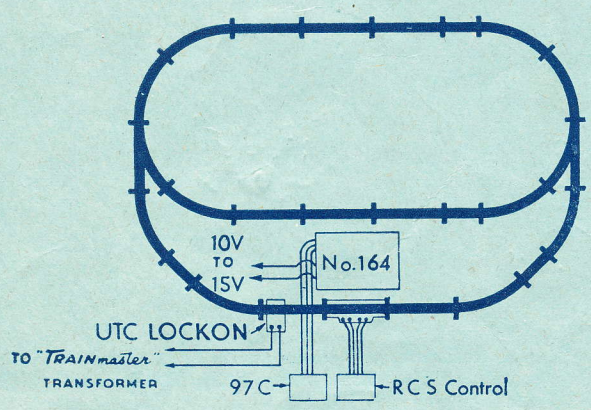
These tables list the correct binding post combinations required on the principal types of Lionel transformers.

SERVICE INFORMATION

This article was inspected at the Factory and is in perfect operating condition.

If in the future it should ever require servicing, you may either send it to the nearest Factory Service Station, listed on cover, or take it to your nearest Lionel Approved Service Station. Your dealer can tell you the name and address of the Approved Service Man in your district.

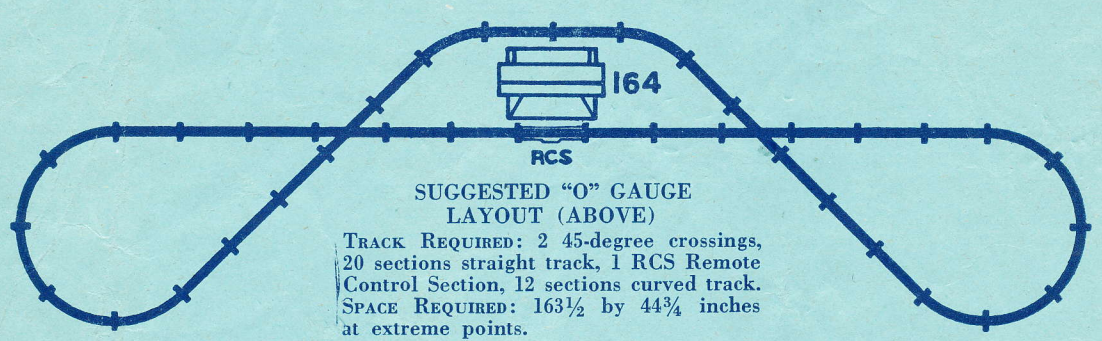
If you decide to mail the article to us, be sure to pack carefully to avoid damage in transit. Use the original box, if possible, and enclose in another corrugated box or strong container. A letter in a stamped envelope stating fully the service desired *must be pasted to the outside wrapper*. Post Office regulations do not permit any written instructions to be placed inside the package.



TRACK REQUIREMENTS

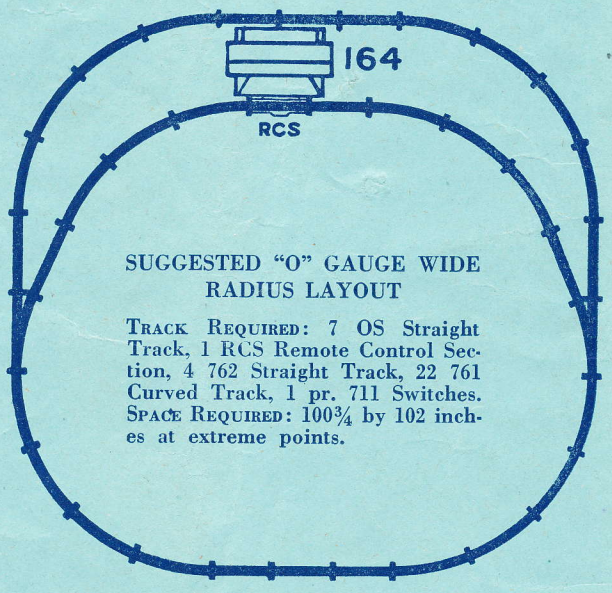
8—Sections OS Straight Track
10—Sections OC Curved Track
4—Sections ½OS Straight Track
1 pr.—No. 022 Remote Control Switches.
1—Type RCS Track Set

INTERESTING TRACK LAYOUTS
WITH REMOTE CONTROL LUMBER SHED No. 164



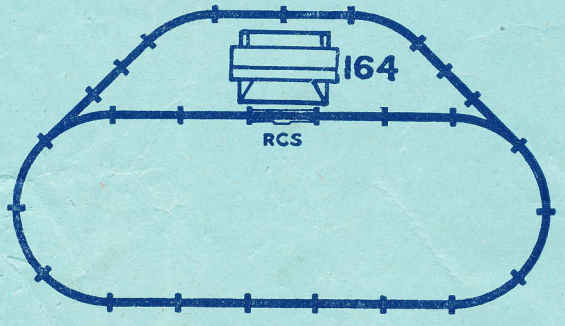
SUGGESTED "O" GAUGE LAYOUT (ABOVE)

TRACK REQUIRED: 2 45-degree crossings, 20 sections straight track, 1 RCS Remote Control Section, 12 sections curved track.
SPACE REQUIRED: 163½ by 44¾ inches at extreme points.



SUGGESTED "O" GAUGE WIDE RADIUS LAYOUT

TRACK REQUIRED: 7 OS Straight Track, 1 RCS Remote Control Section, 4 762 Straight Track, 22 761 Curved Track, 1 pr. 711 Switches.
SPACE REQUIRED: 100¾ by 102 inches at extreme points.



SUGGESTED "O-27" TRACK LAYOUT (Above)
TRACK REQUIRED: 14 Sections No. 1013, 13 Sections No. 1018, 1 Pr. No. 1121 Switches, 1 No. 1019 Remote Control Section.
SPACE REQUIRED: 95½ by 32½ inches.

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Form No. 164-65-15½M-11-46TT