

**MOTORMEN AND
CONDUCTORS' COMPENDIUM
OF VALUABLE INFORMATION
(MOTORMAN'S GUIDE)**

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Motormen and Conductors' Compendium of Valuable Information (Motorman's Guide) by J. W. Gayetty

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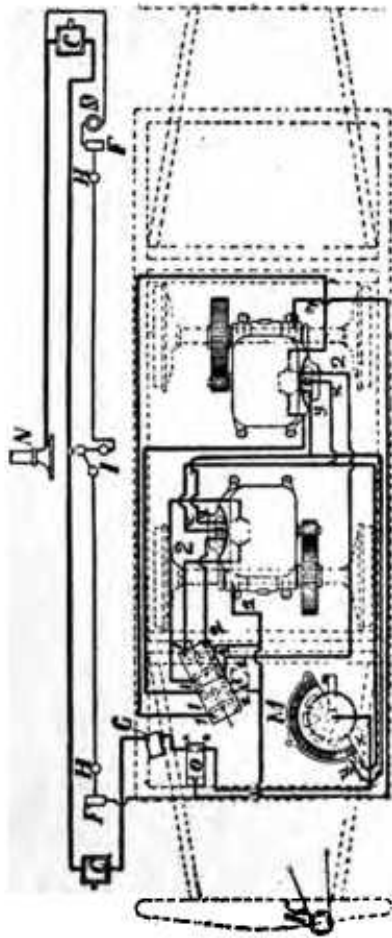
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J. W. GAYETTY

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- C** R. R. Motor Switch.
D 15 Light Branch Switch.
E Reversing Switch.
F 10-85 Light Cut-out Box.
G R. R. Motor Cut-out Box.
H Pilot Lamp.
I Three Lamp Cluster.
O Lightning Arrester.
M Rheostat or Resistance Coils.
N Trolley Stand.
Y End Wire.
X Loop Wire.
Z Dead Ground Wires.
I Brush Wires.

W

MOTORMEN

AND

CONDUCTORS' COMPENDIUM

OF

VALUABLE INFORMATION

(Motorman's Guide)

By

J. W. GAYETTY

A Practical Treatise on the Care and Operation of Street Railway Motors, including Car Wiring, Short Circuits and how to locate them; Incandescent Light Circuits; Operation of K Controllers; Series Parallel Controller; Westinghouse Motors; General Electric 800 Railway Motor, and the Proper Way to Cut Out Motors, Etc., Etc.

Special Descriptive Diagrams and
Illustrations

CHICAGO:
LAIRD & LEE

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Introduction.

In presenting this pocket edition to the public I will say that it has been the author's intention to confine himself exclusively to points of interest to the Motormen of the country, realizing, as I do, that there is not, nor has there ever been, anything written which would disclose to this class the knowledge they seek.

In order to do this it is my intention to define everything pertaining to street R. R. Motors in the simplest manner, omitting all algebraic and other terms such as have served in all books previously written, to prevent you from comprehending their meaning. And if strict attention is paid to the teachings

and instructions herein contained, you will be able to withstand the most rigid examination from your Superintendent real or anticipated, as well as to make an intelligible report of the defects and the work to be done on your car and motors. It is not generally known, but it is a fact, nevertheless, that all Motormen on all street railways are to be examined by a State Board of Examiners yet to be appointed by the Governor of each State, as to their qualifications and capabilities to hold the positions they are now filling.

It stands to reason that those found wanting will have to go, and those who have devoted a little of their leisure time to profitable study, will succeed them. It is in order, right here, to state that the man of influence is going to have some hard studying and become posted, or step down and out, as the pull cannot hold him. He must possess a thorough knowledge of his business, or those who do will certainly succeed him.

It is indeed necessary to repeat here