

**MOTOR-CYCLE PRINCIPLES AND THE LIGHT
CAR: WITH EXPLANATIONS OF THE
CONSTRUCTION AND OPERATION OF THOSE
PARTS OF MOTOR CYCLES, CYCLE CARS AND
THE FORD CAR THAT DIFFER FROM
AUTOMOBILE PRACTICE, AND CHAPTERS ON
CARE AND MAINTENANCE**

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Motor-Cycle Principles and the Light Car: With Explanations of the Construction and Operation of Those Parts of Motor Cycles, Cycle Cars and the Ford Car That Differ from Automobile Practice, and Chapters on Care and Maintenance by Roger B. Whitman

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ROGER B. WHITMAN

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ROGER B. WHITMAN

Tractor Principles
Gas Engine Principles
Motor Cycle Principles
and the Light Car

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WITH EXPLANATIONS OF THE CONSTRUCTION AND OPERATION OF THOSE PARTS OF MOTOR CYCLES, CYCLE CARS AND THE FORD CAR THAT DIFFER FROM AUTOMOBILE PRACTICE, AND CHAPTERS ON CARE AND MAINTENANCE, AND ON THE LOCATION AND REMEDY OF TROUBLE

BY
ROGER B. WHITMAN

MEM. SOC. AUTO ENGRS., AUTHOR OF "MOTOR-CAR PRINCIPLES," "GAS-ENGINE PRINCIPLES," ETC.



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DRAWINGS BY THE AUTHOR

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PREFACE

THE small space available on a motor cycle, and the necessity for keeping the weight low, has forced the production of devices quite different from the corresponding parts of an automobile, and the purpose of this book is to make clear their principles and operation.

Distinctive parts of the cycle car, as well as those mechanisms of the Ford car that differ from standard automobile practice, are also described, and text and drawings have been produced with the object of making the subject easily understandable.

The chapters on the care of the machine and on the causes of trouble should make it possible for the novice to handle his mount or car with efficiency and some degree of skill.

As the sole aim has been an explanation of principles, no attempt has been made to go into the details of construction of the different machines. It is believed that when a principle is understood, its application as embodied in a specific mechanism will be readily comprehended.

R. B. W.

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