

**A MANUAL OF INSTRUCTION FOR  
THE ECONOMICAL MANAGEMENT  
OF LOCOMOTIVES: FOR  
LOCOMOTIVE ENGINEERS AND  
FIREMEN**

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A Manual of Instruction for the Economical Management of Locomotives: For Locomotive Engineers and Firemen by George H. Baker

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**GEORGE H. BAKER**

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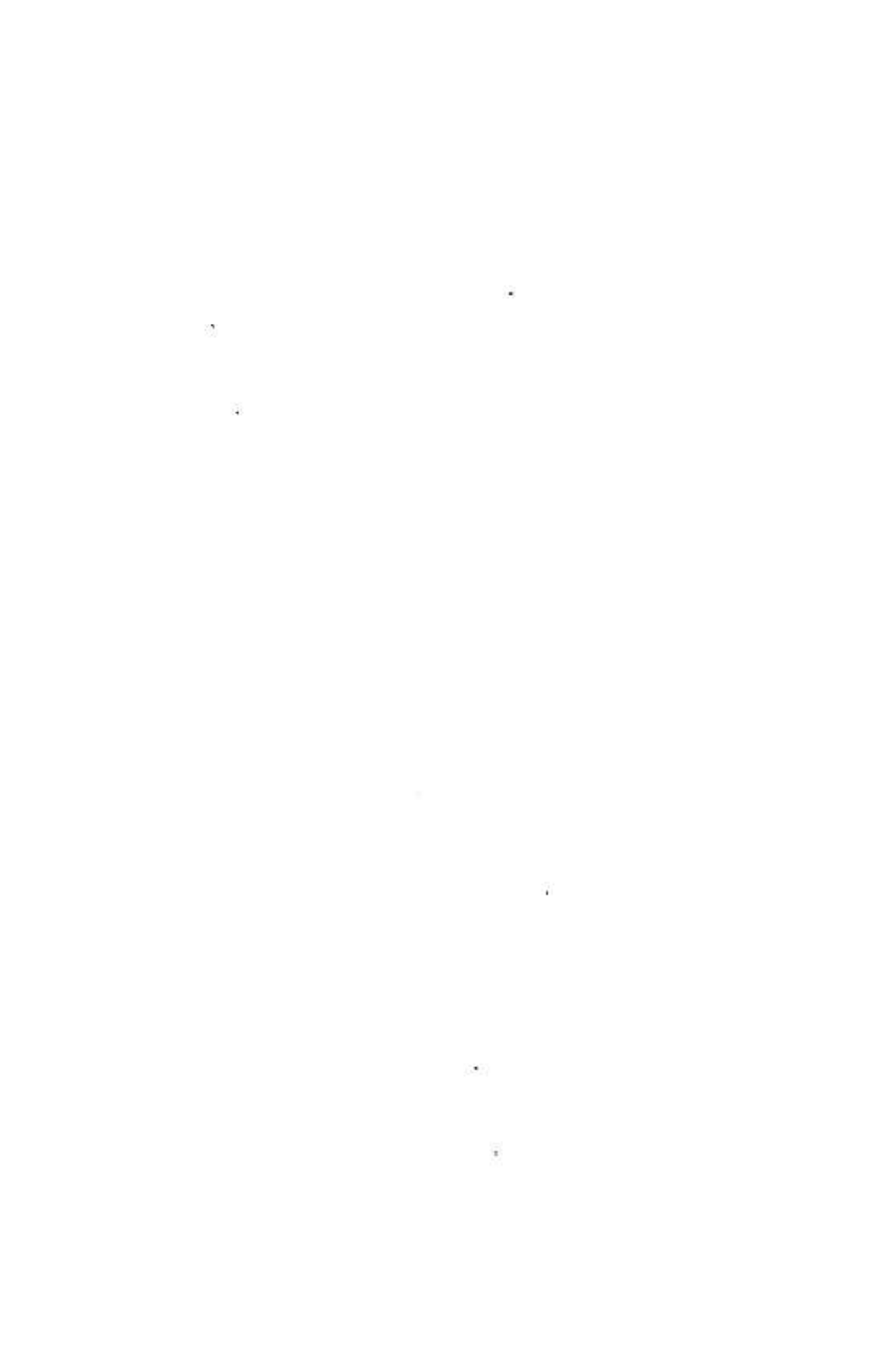
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## INTRODUCTION.



## INTRODUCTION.

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As the possible success of operating and maintaining the property of a railway with any advantage to the company which owns it depends upon the care and economy with which each of its several departments are operated, so the successful and economical operating of any department depends upon the good judgment, and careful economy, which all who serve in that department exercise in the performance of their respective duties.

The cost of supplies for engines, fuel, oil, etc., repairs, and wages, forms the bulk of the operating expenses of the locomotive department, which amounts to immense sums of money each month, and which reduce, just so much, the profits of the company.

The cost of supplies depends, of course, upon the quantities used, which in turn depend upon conditions of service, such as the number and weight of cars pulled,



the weather, and the degree of care exercised by the engineers and firemen in the management of the engines, and use of fuel.

The object of this Manual is to properly instruct engineers and firemen in the economical management of the engines, and use of fuel.

SOURCE OF POWER.  
HEAT.

