

Edward "Bud" Buker's Historic  
**Deerfield and Roundabout Railway**

*An educational demonstration steam powered  
7 and 1/2 inch gauge railway operated by the*

**LAKE FOREST LIVE STEAMERS  
RAILWAY MUSEUM INCORPORATED**

**THE MODEL LOCOMOTIVE  
ITS DESIGN AND CONSTRUCTION**

**A Practical Manual on the Building and  
Management of Miniature Railway Engines**

By **HENRY GREENLY**

Published By **PERCIVAL MARSHALL & CO., 1904**

**1st and 2nd Paragraph Excerpts From**

**INTRODUCTORY NOTE**

By **W. J. TENNANT, A.M.I.M.E.**

Builders of model locomotives are so frequently asked in conversation the prefatory question, "Of what utility are your models?" that a justification of their value seems to the writer to be a pardonable prelude for Mr. Greenly's book. It may at once be conceded that the evil-smelling, dribbling, ten-and-sixpenny model of the type familiar to generations of schoolboys is of use only to such extent as it may serve to encourage in its proud possessor a possibly useful sympathy with things mechanical. The real utility of the model begins for the amateur mechanic when its construction induces him to exercise and improve his craftsmanship and to cultivate an interest in modern locomotive engineering.

For the novice engaged in practical engineering work as an engineer student or as an apprentice, a model manifests its utility by making him view locomotive design as a whole. In the foreground of his daily life the detail of engineering is so prominent, and therefore bulks so large in the view, as to tend to obscure the broader aspects of engine design with which, among other matters, the beginner should be preparing himself to deal; and it is in the production of models, and particularly in the production of working models, that he may usefully be led to think intelligently upon problems of the kind that his chiefs have to solve, and that he himself will have to grapple with if in due time the mantle of responsibility descends upon him. Incidentally, the young professional will probably find that model-building will bring him into touch with the non-professional amateur, and if he attains to any considerable degree of familiarity with amateur work he will be likely to receive a salutary stimulus from observation of the surprising quantity and excellence of a large proportion thereof; this will assuredly be useful to him, and it will be likely to lead both amateur and professional to properly appreciate, and maybe to worthily imitate, the work of such men as the gifted brothers Coates and other skilful model-makers whose productions are treasured in the unrivaled collections to be found in the southern galleries of the Victoria and Albert Museum, the Mecca of the amateur of engineering.

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