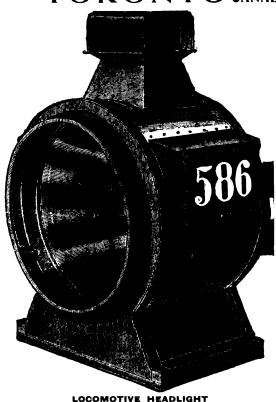
The N. L. Piper Railway Supply Co.

TORONTO CANADA

R

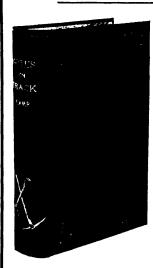


Notes on Track

By W. M. CAMP, M. Am. Soc. C. E.

AN EXHAUSTIVE TREATMENT OF TRACK CONSTRUCTION

AND MAINTENANCE FROM A PRACTICAL STANDPOINT



The Book is Divided into Chapters as follows: (1) Roadbed; (2) Track Materials; (3) Track Laying; (4) Ballasting; (5) Curves, including Easement Curves; (6) Switching Arrangements and Appliances; (7) Track Maintenance; (8) Double-Tracking; (9) Track Tools; (10) Work Trains; (11) Miscellaneous Work and Construction; (12) Organization of Maintenance of Way Departments. Every phase of these general subjects is treated, particular attention being paid to Cost of Track Work and to Modern Labor-Saving Machinery in Track Service. The book also covers in much detail many allied subjects, such as Earthwork and Grading. Culverts. Yard Layouts and Switching Movements, Interlocking Switches and Signals, Automatic Electric Block Signals and Track Circuits, Principles of Rail Design, Fence, Cattle Guards, Section Houses and Tool Houses, Boarding Trains, Bridge Floors, Ash Pits, Handling Ballast and Filling Material, Wrecking, Fighting Snow, Tie Preservation, Metal and Concrete Ties, Track Elevation and Depression, Crossing Gates, Tree Planting, Capacity of Single Track, etc.

The Book Contains

1214 PAGES AND 620 ILLUSTRATIONS

"This book is generally recognized by railway men as the standard work on track and maintenance of way. It is not a mere theoretical compilation of how things should be done, but gives the results of the observations of a practical man who has had experience of the work.' -Railway and Shipping World.

Sent to any part of the World, Postpaid, for \$3.75.

Write for full table of Contents and Illustrated Circular.

W. M. CAMP, ———— Author and Publisher

Auburn Park, CHICAGO

FURRIERS TO

H. M. THE QUEEN

H. R. H.

PRINCE OF WALES

Our Catalogue for 1904-5 will be ready September 1st.

It will be descriptive of new styles in Seal and Persian Lamb Jackets Auto Coats-Evening Wraps-Sable and Fox Sets-and Men's Fur-Lined Coats.

If you give us your name and address we'll be glad to mail you one.

HOLT, RENFREW & CO.

QUEBEC TORONTO

The Northern Navigation Comp^{any} Of Ontario, Limited

SUMMER SERVICE

LAKE SUPERIOR DIVISION

Sailings from Sarnia at 3 p.m. Mondays.
Wednesdays and Fridays, for Sault Ste. More
Port Arthur. Fort William and Duluth.
day and Wednesday steamers take Duluth par
sengers.

Sailings from Collingwood at 1.30 p.m.
via Owen Sound Tuesdays and Fridays
via Parry Sound Wednesdays and Fridays
For Georgian Bay Points, Sault Ste. Mare
and Mackinae Is.

PARRY SOUND DIVISION Sailings from Parry Sound at 5.30 and Daily except Sunday for Midland and Penetsons.

MOTTO—" A well-fed passenger the best advertisement.

For tickets and information apply to any railway cket agent.

H. C. Hammond, Pres. H. H. Cildersleeve, Mgr.
TORONTO

C. H. NICHOLSON, Traffic Mgr. SARNIA.

STEEL, PEECH & TOZER,

LIMITED.

SHEFFIELD, ENGLAND. STEEL AXLES, TYRES, AND SPRING STEEL.

"PHŒNIX" Loco. Spring Steel is the accepted Standard in Canada.

James Hutton & Co., Montreal.