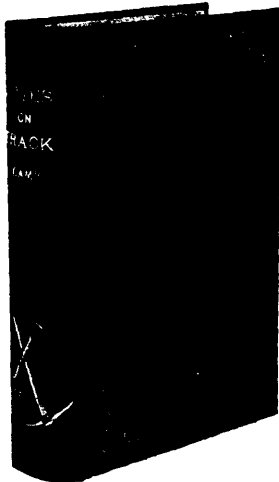


# Notes on Track

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.

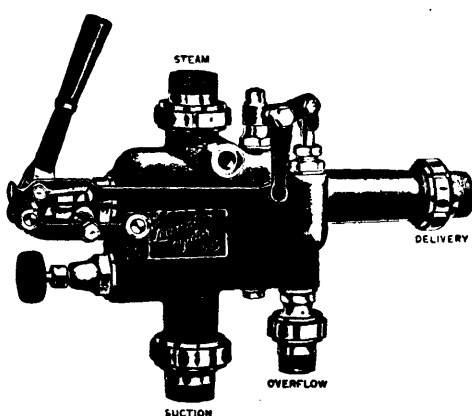
Write for full table of Contents and Illustrated Circular.

**W. M. CAMP,** Author and Publisher  
Auburn Park, CHICAGO

THE BEST

## Locomotive Injector

is the one that always does everything expected of it whenever it is expected. Such an INJECTOR is our special



**J.M.T.**  
**Locomotive  
Injector**

IT IS SENT ON  
APPROVAL

MANUFACTURERS OF LOCOMOTIVE and MARINE BRASS WORK  
DEALERS IN Iron Pipe and Fittings, Steam Specialties, Etc.

**JAMES MORRISON BRASS MFG. CO.**

89-97 West Adelaide St. LIMITED TORONTO

**FURRIERS  
TO THE QUEEN**

## MEN'S FURS

We carry a most complete stock of Fur and Fur-lined Coats, Gauntlets and Caps.

We would like to send you a copy of our catalogue—it contains descriptions and prices of these Furs.

**HOLT, RENFREW & CO.**

QUEBEC TORONTO

## DEPARTMENT OF AGRICULTURE AND IMMIGRATION

**MANITOBA** with its network of railways, giving markets near at hand for all farm products, offers unrivalled opportunities for investment.

**PROVINCIAL GOVERNMENT LANDS** can still be purchased at from \$3 to \$6 per acre. **IMPROVED FARMS** in all districts of the province can be purchased at from \$10 to \$40 per acre. These prices are advancing every year.

### A FEW POINTERS.

On arrival at Winnipeg the wisest policy for any new settler to adopt is to remain in Winnipeg for a few days and learn for himself all about the lands offered for sale and to homestead.

There are districts that have been settled for many years in which land can be purchased. Some of this may be unbroken prairie which still possesses all the richness and productive powers of our virgin prairies. Other lands, cultivated and having comfortable farm buildings, are ready for immediate possession.

There are Provincial Government lands, Dominion Government homesteads, and railway lands to be secured.

The price of land varies from \$3 to \$40 per acre. Location with respect to railways, towns, timber and water determines the price of land.

For information regarding homesteads, apply at the Dominion Land Office.

For purchase of Provincial lands apply at the Provincial Land Office in the Parliament Buildings.

For C.P.R. or C.N.R. lands apply at the land offices of said railway companies.

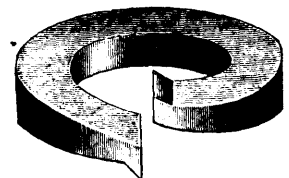
For lands owned by private individuals apply to the various real estate agents in the city.

For situations as farm laborers apply to:

**J. J. GOLDEN,**  
PROVINCIAL INFORMATION BUREAU  
617 MAIN ST., WINNIPEG

## THE POSITIVE LOCK WASHER

Is the BEST Nut Lock for all purposes



WE ALSO MAKE PLAIN COILS AND TAIL NUT LOCKS  
**The Positive Lock Washer Co.**  
Sole Mfrs., Newark, N.J.  
A. HOLDEN & CO., Agents - MONTREAL