

# A SAFETY

Not a Bike—It does not run or slip—  
Not a Razor—It does not cut—

But a **BAR** that

**C. B. RUSHMER, C.E.**  
Chief of Engineering Department

**Slits-Flanged  
No Lost  
Section**



Protected by  
U.S. and Foreign Patents

Send Specifications to the Home Office

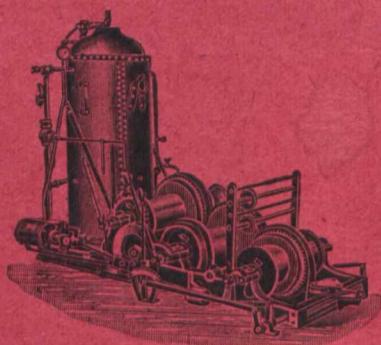
No additional Tonnage required to acquire "Safety." The tie gives that, and thus you save in the cost of your structure—Do you realize what a sure proposition the

**INNER-BOND BAR FOR CON-  
CRETE REINFORCEMENT IS?**

**ARTHUR PRIDDLE**  
San Francisco, Cal., U.S.A.

Our Book Department can furnish any book on engineering published. Send for our latest list.

## M. Beatty & Sons, Limited, Welland, Ont.



MANUFACTURERS OF  
Dredges, Ditchers, Derricks,  
Steam Shovels,  
Steel Dump and Deck Scows,  
Submarine Rock  
Drilling Machinery,  
Centrifugal Pumps,  
Clam Buckets, Steel Skips,  
Coal and Concrete Tubs,  
and other Contractors' Machinery

AGENTS

E. Leonard and Sons, Montreal, Que and St. John, N. B. R. Hamilton & Co.  
Vancouver B.C. Canadian Fairbanks Co., Toronto, Ont. and Winnipeg Man.

## THE CANADIAN ENGINEER

reaches weekly the LEADING Civil, Mechanical, Railroad, Municipal and Provincial Works Engineers and Engineering Contractors in ALL parts of Canada and many points in the United States and Europe.

**All its Readers  
are Buyers**

## MONTREAL STEEL WORKS, Ltd.

Manufacturers of  
**Steel Castings**

Acid Open Hearth System

SPRINGS, FROGS, SWITCHES, SIGNALS,  
FOR STEAM AND ELECTRIC RAILWAY

Canal Bank, Point St. Charles,  
MONTREAL.

Get this  
**FREE**  
**Book**

before you build. Tells why fire-proof metal material is cheaper from first to last—tells why one kind is the cheapest it's safe to buy. No matter what you mean to erect or repair, indoors or out, send for book. Ask nearest office

**PEDLAR People of Oshawa**  
Montreal, Toronto, Halifax, St. John, Winnipeg, Vancouver

## R. D. WOOD & CO.

PHILADELPHIA, PA., U.S.A.

Water and Gas Works Supplies,  
Cast Iron Pipe and Castings,  
Mathews Hydrants and Valves,

SUCTION PRESSURE **GAS PRODUCERS** POWER PLANTS

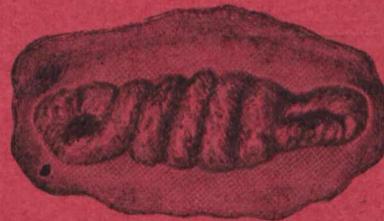
**JEFFREY**

COAL CUTTING—ELEVATING—CONVEYING—WASHING  
MACHINERY—POWER TRANSMISSION—SCREENING—  
CRUSHING—DRILLING—HAULING—Write for Catalogue Series  
"U" and mention subjects in which you are especially interested.  
THE JEFFREY MANUFACTURING CO., MONTREAL QUE.

THE MODERN JOINTING  
FOR WATER AND GAS MAINS

**LEAD WOOL**  
"SHREDDED LEAD"

Made in England



A Strand of Lead Wool coiled up for transit

**JOHN GARDE & CO.**

142 Victoria Street, TORONTO, ONT.

Phone Main 4923

"Just around the corner from Queen and Yonge"

Sole Distributors in Canada for the  
British Manufacturers