

## 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

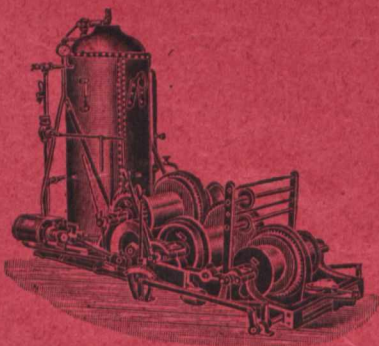
No additional Tonnage required to acquire "Safety." The tie gives that, and thus you save in the cost of your structure—Do you realize what a sure proposition the

**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, Mech-  
anical, Railroad, Muni-  
cipal 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.

**Oshawa Galvanized Steel Shingles**  
You can't afford to roof a thing without Oshawa Galvanized Steel Shingles. Good for a hundred years. Send for the free booklet.  
**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

"SHREDED 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