-with nominal railway rates, freedom from royalties, subsidized shipping, as well as lower wages, longer hours, better technical knowl- policy upon a more modern footing. edge and training, and the support which asteady and secure home market ensures. These conditions are augmented in some countries by an abundance of cheap raw material and boundless energy; and hence, it follows that, if peace be preserved, the competition in the world's neutral markets, and probably also at home, will become more and moresevere. Our manufacturers, we do not doubt, will be well able to meet it by improving their methods and reorganizing their works. It is a good omen that while strikes are paralyzing some trades, the principal employers therein are abroad studying new machinery and systems, and ready to begin the constitute strength areas under begin the competitive struggle anew under better conditions immediately the dispute with the Trade Union officials is ended. Our trade has declined not from one but from many causes; and is perhaps well that a reaction has set in against the prosperity of 1896; and that it has compelled us to reexamine our position, to adopt the ideas and methods of competitors wherever possible, and to place our schemes of education, our

factory organization and management, and, caused by the cylinder liner which was se

#### A CURIOUS ACCIDENT.

A curious accident to the engines of a steamer belonging to an English line has most pronounced knock. The engineer had the covers removed twice, but failed to discover the cause. Nothing was found in the cylinder, and the piston, piston rmgs and rods were found to be intact. On starting again the knock was pronounced, and continued to get worse, until, after some hours of steaming, a crash was heard inside the cylinder, and the engines were entirely disabled. The removal of the cover a third that the pounding in the first place had been

if need be, our whole commercial and coloinal cured at the top end by counter sunk bolts policy upon a more modern footing. of vertical play of the liner seems to have gradually grown into an appreciable movement, which eventually sheared off one of the bolts. This coming into contact with the cover on the upward stroke caused a fracture of the latter, the broken piece come to our knowledge. On the voyage out the high pressure cylinder of a set of triple expansion engines developed a peculiar and high pressure cylinder as the engine might have been run temporarily as a compound by working the intermediate and the low pressure cylinders only. - Engineer London.

#### OUR GRAIN TRADE

The United States exported to Canada 71,758 barrels of wheat flour, valued at \$348,405, during October, according to the last report of the Bureau of Statistics, against time revealed a different state of things, for a portion of the piston was broken clean off.

A minute examination of the engine showed ending with October 411,889 barrels, valued at \$311,741, in October 411,889 barrels, valued ending with October 411,889 barrels, valued at \$1,862,935, were exported, against 823,-

## MACHINERY and EQUIPMENT

MANUFACTURED BY

Canadian Rand Drill Co., MONTREAL.

#### **ATTENTION**

CENTRAL STATION MANAGERS !

#### A GOLDEN OPPORTUNITY!

Are you desirous of purchasing

ARC LIGHTING MACHINERY, LEATHER BELTING, WATER WHEELS, or SHAFTING?

If so, you cannot afford to miss this opportunity. Owing to extensions necessitated at our generating station we are obliged to discard the above-mentioned material. Communicate with us at once for all information and particulars.

THE MONTMORENCY ELECTRIC POWER GO., - -

# Chemicals

Phosphorous,

Sal. Ammoniac.

Muriate Ammonia.

Sal. Soda,

Bicarb. Soda.

Hyposulphite Soda,

Epsom Salts.

#### FINEST QUALITY.

►Manufacturers Prices and Terms.

#### Arthur P. Tippet & Co., MONTREAL.

Canadian Agents.

### ABBEY IMPROVED CHILLED SHOT CO.

NEWCASTLE, ENGLAND.

THIS SHOT IS NOW MADE BY A NEW PROCESS.

Samples sent on application.

Read the following Reports on our New Make of Shot:—
Sporting Goods Review states:—"The size and shape of pellets are good and are exceedingly hard. We understand that the demand for this shot has considerably increased and gaining in favor

with sportsmen, to whom its excellence of manufacture appeals."

Arms and Explosives states:—"For soundness and general regularity of surface the pellets possess a very high degree of excellenco.

W. W. GREENER, "the Great Authority on the Gun," speaks highly of Chilled Shot, and strongly recommends it in preference to soft shot.