

# CANADIAN MILLER

## GRAIN TRADE REVIEW

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### MAGNOLIA METAL

IN USE BY SEVERAL LEADING GOVERNMENTS



THE MAGNOLIA ANTI-FRICTION METAL CO., New York, N.Y., March 6, 1892.  
74 Cortlandt Street, New York, N.Y. 4  
Gentlemen:—About March 26, 1892, samples of metal marked "Spencer's Finest  
Copperine Ball-Bait" were submitted to me for test, its test showed finest results, and  
analysis it proved to contain no copper, and approximated the formula of Magnolia Metal.  
In October of the same year, other samples with same marks were submitted for test, and tested in comparison  
with Magnolia Metal upon our new testing machine, built at great expense. This test for temperatures  
showed Magnolia Metal to have less friction and a temperature of about 100 degrees less. On December 1st,  
this perfected test piece of Copperine was tested again with the result of its fusing with ten minutes run of 1,200  
lb. to the square inch.  
On January 1st, Magnolia Metal was tested, which ran fifteen minutes with 1,500 lb. to the square inch,  
and one hour with 2,000 lb. to the square inch, and at the end of the hour showed a temperature of 202 degrees  
Fahrenheit. Under separate cover we hand you detailed reports of the tests, showing velocity of rubbing surface  
about 2,000 feet per minute, diameter of shaft 5 inches, and revolutions, about 1,500.  
Yours truly,  
H. G. TORREY.  
NOTE:—Mr. Torrey is U. S. Assayer, and has been in U. S. Mint service at New York for 10 years.

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