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## MAGNOLIA METAL

IN USE BY EIGHT LEADING GOVERNMENTS

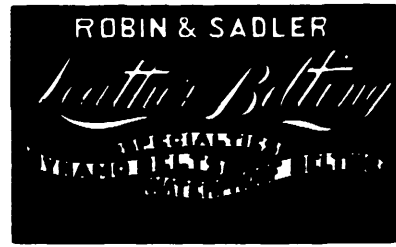
THE MAGNOLIA ANTI-FRICTION METAL CO. | New York, N.Y. March 6, 1891.

74 Corlandt Street, New York, N.Y. (1891)  
 GENTLEMEN: About March 27, 1891, samples of metal marked "Spencer's Finest  
 Copperine Bablutt" were submitted to me for test; its test showed finest results, and  
 on 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 compari-  
 son with Magnolia Metal, up a our new testing machine, built at great expense. This test for tempera-  
 ture showed Magnolia Metal to have less friction and a temperature of about 100 degrees less. On December 11st,  
 this perfected test piece of Copperine was tested again with the result of its fusing with ten minutes run of 1,600  
 lbs. to the square inch.

On January 11st, Magnolia Metal was tested, which ran fifteen minutes with 150 lbs. to the square inch,  
 and one hour with 2,000 lbs. 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 3 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 30 years.

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