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MAGNOLIA METAL

IN USE BY EIGHT LEADING GOVERNMENTS

THE MAGNOLIA ANTI-FRICTION METAL CO., 1. NEW YORK, N.Y. March 5, 1891

24 Cortlandt Street, New York, N.Y. GENTLEMEN: About March 29, 1890, samples of metal marked "Spencer's Finest

Copperine Rabbit" 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 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 150 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 lbs. to the square inch.

On January 31st, Magnolia Metal was tested, which ran fifteen minutes with 1800 lbs. to the square inch, and one hour with 2000 lbs. to the square inch, and at the end of the hour showed a temperature of 200 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 8 inches, and revolutions, about 1,500.

Yours truly, H. G. TORREY
Notre Mr. Torrey is U. S. Assayer, and has been in U. S. Mint service at New York for 35 years.

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