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THE MAGNOLIA ANTI-FRICTION METAL CO.
74 Cortlandt Street, New York, N.Y.

NEW YORK, N.Y., March 5, 1891.
GENTLEMEN,—About March 26, 1890, samples of metal marked "Spooner'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 100 degrees less. On December 31st this perfected test piece of Copperine was tested again with the result of its fusing with ten minutes run of 1600 pounds to the square inch.
On January 31st Magnolia Metal was tested, which ran fifteen minutes with 1800 lbs. to the sq. inch, and one hour with 2000 lbs. to the sq. inch, and at the end of the hour the metal showed a temperature of 200 degrees Fahrenheit. Under separate cover we hand you detailed reports of the tests, showing velocity of rubbing surface about 2000 feet per minute, diameter of shaft 5 inches, and revolutions about 1500.
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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