

UNITED STATES PATENT OFFICE.

RICHARD CLARK, OF CAMDEN, ASSIGNOR OF TWO-THIRDS TO GEORGE L. FRAZEE, OF DELANCO, NEW JERSEY, AND THOMAS W. SMITH, OF PHILADELPHIA, PENNSYLVANIA.

LINING METAL FOR BEARINGS.

SPECIFICATION forming part of Letters Patent No. 539,669, dated May 21, 1895.

Application filed February 6, 1895. Serial No. 537,523. (No specimens.)

To all whom it may concern:

Be it known that I, RICHARD CLARK, a citizen of the United States, residing in the city and county of Camden, State of New Jersey, have invented a new and useful Improvement in "Lining Metal for Bearings, &c., which improvement is fully set forth in the following specification.

My invention consists of a novel metal for lining bearings, &c., and in carrying out the same I take of pig lead, five hundred pounds; antimony, sixty pounds; plumbago or black lead, one pound; potter's clay, five pounds; the above proportions being employed for making a light lining, but for a heavy metal, I take of pig lead, five hundred pounds; antimony, seventy-five pounds; black lead, one and one-half pounds; potter's clay, five pounds. These proportions may however be

varied as desired. The lead is melted, after which the antimony is added thereto, and when the same has fused, the black lead and clay are added, all well stirred together, after which the compound is run into pigs, from which it may be cast or otherwise formed into lining-shapes as desired.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A composition of matter forming a lining metal for bearings, &c. consisting of pig lead, antimony, black lead and potter's clay in the proportions stated.

RICHARD CLARK.

Witnesses:

JOHN A. WIEDERSHEIM,
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