

UNITED STATES PATENT OFFICE.

ALEXANDRE ETIENNE LAVROFF, OF ST. PETERSBURG, RUSSIA.

IMPROVEMENT IN ALLOYS OF COPPER AND TIN.

Specification forming part of Letters Patent No. 118,372, dated August 22, 1871.

To all whom it may concern:

Be it known that I, ALEXANDRE ETIENNE LAVROFF, of St. Petersburg, Russia, a colonel in the artillery guard, have invented Improvements in Compounds or Alloys of Copper and Tin, of which the following is a description:

My invention consists in an alloy or bronze, into the composition of which tin, copper, and phosphorus enter in definite proportions, viz., phosphorus, 1 per cent.; tin, 19 per cent.; copper, 80 per cent.

In compounding the alloy I first fuse the tin 19 per cent., or 94.5, and phosphorus 1 per cent., or 5.5.

This mass is added to the copper to form the

alloy in the following proportions: Mass—tin 94.5, phosphorus 5.5; copper, 400; which, otherwise stated, would be, about, phosphorus, 1; copper, 80; tin, 19.

The entire mass is then fused, and the alloy formed in the usual manner and ready for filling the mold.

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

The alloy herein described.

ALEXANDRE ETIENNE LAVROFF.

Witnesses:

MICHEL SABLINE,
FREDERICK KAUFÉ.