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CHARLES PATRICK MERRY, OF NEW ORLEANS, LOUISIANA.

COMPOSITION FOR FACILITATING THE FITTING OF BEARINGS.

No Drawing. Application filed June 3, 1922. Serial No. 565,750.

To all whom it may concern:

Be it known that I, CHARLES P. MERRY, a citizen of the United States, residing at New Orleans, Louisiana, have invented a new and useful Improvement in Compositions for Facilitating the Fitting of Bearings, of which the following is a specification.

The object of my invention is the production of a composition to be used in the fitting of bearings generally. Its particular characteristics make it highly efficient in the fitting of bearings whose softness renders them easily impregnated by a hard abrasive. It is found that in the use of hard abrasives as emery or glass in the fitting of bearings of softer material that the bearing becomes impregnated with the abrasive which causes undue wear of the shaft operating in the bearing. By the use of my composition this difficulty is avoided and a rapid and perfect fit is made possible.

In use it is applied in a similar manner to the well known Prussian blue while the bearing is being scraped. By the use of my composition it is not necessary to set the bearings up tightly and allow them to wear in as the compound effects a perfect fit which is not obtainable by scraping in the usual manner.

My composition consists of a mixture of lime quartz, white lead, zinc, boracic acid and lamp black.

In preparing the composition I prefer to use the ingredients in about the following proportions:

	Per cent.
Lime quartz	45
White lead	32
Zinc	12
Boracic acid	7
Lamp black	4
	100

The addition of lamp black gives a lubricating characteristic to the composition and incidentally color thereto. The lead and zinc form a very efficient carrying body. The boracic acid assists in making the quartz solvent. The quartz which forms an abrasive breaks down rapidly and does not become impregnated in the bearing metal.

In preparing my composition for use I pass it through a screen having a number hundred and fifty (150) standard mesh. I prefer to furnish my composition in a form of powder to be mixed with a quantity of lubricating oil when used.

Having described my invention what I claim is:—

1. A composition for facilitating the fitting of bearings comprising a mixture of a mineral abrasive, white lead, zinc and boracic acid.

2. A composition for facilitating the fitting of bearings comprising a mixture of lime quartz, while lead, zinc and boracic acid.

3. A composition for facilitating the fitting of bearings comprising a mixture of forty-five per cent quartz, thirty-two per-cent white lead, twelve per-cent zinc, and seven percent boracic acid.

4. A composition for facilitating the fitting of bearings comprising a mixture of a mineral abrasive, white lead, zinc, boracic acid and a finely divided soft carbon to give a lubricating characteristic to said composition.

5. A composition for facilitating the fitting of bearings comprising a mixture of lime quartz, white lead, zinc, boracic acid and a finely divided soft carbon to give a lubricating characteristic to said composition.

6. A composition for facilitating the fitting of bearings comprising a mixture of forty-five percent lime quartz, thirty-two per cent white lead, twelve per cent zinc, seven per cent boracic acid and four per cent lamp black.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses, this 22nd day of May, 1922.

CHARLES PATRICK MERRY.

Witnesses:
EMILY ASHMOORE,
FRANCES ASHMOORE.