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RUST-PREVENTING COMPOSITION.

No Drawing.

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To all whom it may concern:

Be it known that I, ATKINS SYKES, a citizen of the United States, residing at Portsmouth, in the county of Norfolk and State of Virginia, have invented certain new and useful Improvements in Rust-Preventing Compositions, of which the following is a specification.

This invention relates to compositions of matter, particularly to more or less semi-liquid coating compositions, and has for its object the provision of a composite material adapted to be applied to iron or steel objects of any kind for the purpose of preventing the formation of rust thereon.

It is well known that tools, machinery and other objects or articles constructed of iron or steel will, when exposed to the weather or to moisture whether out-doors or indoors, become corroded and rusted so that the finish and working, or operation of the parts is greatly impaired. I am aware that various materials have been used for the purpose of coating exposed parts in the endeavor to prevent such rust but the well known materials or compounds all possess various disadvantages, such, for instance, as high cost to prepare, inability to withstand heat, or to withstand submergence in water. Furthermore, certain known preparations dry out within a comparatively short time so that flaking off and consequent exposure of the metal will result.

It is with the above facts in view that I have provided the novel composition forming the subject-matter of this application, which composition is formed of ingredients of low cost and of such a nature that when properly mixed and applied the resultant protective coating will remain more or less moist and at the same time be capable of being submerged in water without danger of washing off, or it may be exposed to the heat of the sun without melting and running off.

An additional object is the provision of a composition for this purpose which will be easy to mix and which is capable of being applied by any one of a wide variety of methods, depending upon the nature of the materials, objects or articles to be protected.

In carrying out the invention I form a mixture consisting broadly of white lead, petroleum jelly, and lubricating oil, and while these ingredients might be capable of having their proportions varied within certain limits, I have found that a composition having the proportions of twenty-five pounds of white lead to five pounds of petroleum jelly and one pound of lubricating oil, possesses the desired characteristics.

The above mentioned ingredients or materials may be mixed together simultaneously or in any desired sequence and by any desired means, there being no limitation in this respect. In actual practice I have discovered that the mixing can be easily carried out with the materials in a cold state though obviously heat may be utilized if such should be found advisable or preferable for any reason.

Assuming that the preparation has been made as above described, or in any other desired manner, it is evident that it may be applied to the desired surfaces by means of a brush, dauber, swab, cloth or the like, or if the articles be small they may themselves be dipped into the mass of material.

I have discovered that the white lead forms a protective, non-corrosive and non-corrodible coating which has sufficient body to prevent melting and running of the material even when articles coated with it are exposed to considerable heat. The lubricating oil and petroleum jelly are, of course, water-proof so that the composition is insensible in water and is therefore capable of employment on the shafts of propellers or any other places where the iron or steel parts are subjected to the action of either fresh or salt water. In addition to the water-proofing qualities these two latter mentioned ingredients maintain the coating in a moist condition so that there will be no danger of drying out and flaking off even under unusually adverse conditions. All of the ingredients are themselves inert and have no chemical action whatsoever on the surfaces to which they are applied so that no possible injury can result from their use.

If, for any reason, it is desired to remove the protective coating, this is easily ca-

pable of accomplishment by swabbing it off with a cloth or the like or by using some suitable solvent.

Having now described my composition, what I claim as new and desire to secure by Letters-Patent, is:

1. A composition of matter for coating iron and steel whereby to prevent rusting thereof, consisting of white lead, petroleum jelly, and lubricating oil, the proportion of white lead being substantially four times the quantity of petroleum jelly and lubricating oil combined.

2. A composition of material for preventing rusting of iron and steel consisting of a mixture of the following ingredients in substantially the proportions specified:

	Pounds.	
White lead-----	25	
Petroleum jelly-----	5	20
Lubricating oil-----	1	

In testimony whereof I affix my signature.

ATKINS SYKES.