

UNITED STATES PATENT OFFICE.

P. S. DEVLAN, OF READING, PENNSYLVANIA.

IMPROVED LUBRICATING COMPOUND.

Specification forming part of Letters Patent No. 6,028, dated January 16, 1849.

To all whom it may concern:

Be it known that I, PATRICK S. DEVLAN, of Reading, in the county of Berks and State of Pennsylvania, have discovered a new and useful composition of matter which is applicable as a substitute for oil as an anti-attribution to the lubrication of the joints of machinery and for other purposes; and I do hereby declare that the following is a full, clear, and exact description of the manner of compounding and using the same.

The lubricator consists in the mixture of caoutchouc with spirits of turpentine, or other solvent of that gum, carbonate of soda, glue, common animal or vegetable oil, or other cheap fatty matter, and water, which may be mixed in various proportions. I have, however, found the following proportion of the ingredients to answer very well in the manufacture of the compound, viz: one pound of caoutchouc with sufficient turpentine to dissolve it, four pounds of carbonate of soda, one pound of glue, twenty-four gallons of common oil or grease, and eight gallons of water.

To prepare the compound I first heat the water in any convenient vessel, then dissolve the glue and soda therein, keeping it in agitation by stirring, that the matter may be equally diffused through the water. The oil or grease is next added, and as soon as it has become well mixed I add the dissolved caoutchouc and continue the stirring until the ingredients are all thoroughly incorporated. The mixture will now be found to have assumed a homogeneous character—in appearance resembling oil—is fit for use, and may be stored away in bottles, barrels, or other convenient vessels.

Some of the materials employed in the above-

described composition may be replaced by others possessing similar properties—as, for instance, instead of glue gelatinous matter in other forms may be used; in place of the caoutchouc, gutta-percha or other soft gums may be employed; instead of carbonate of soda some other carbonate will answer, and the anti-attribution would not be essentially changed in its character by such substitutions or replacements. I do not therefore intend to limit myself to the precise ingredients above enumerated, but contemplate varying both the articles themselves and the proportions in which they are combined, as economy in their cost or adaptation to particular purposes or other circumstances may render expedient.

This compound is as fluid as oil, and is therefore applied as a lubricator in the same manner.

Having thus described the manner in which my anti-attribution is compounded and used, what I claim therein as new, and desire to secure by Letters Patent, is—

The combination of ingredients herein described, or of others possessing similar properties and forming an analogous compound, whether the proportions be the same as herein set forth or varied to any extent that the same may admit of without changing the peculiar character of the compound as a lubricator.

I testimony whereof I have hereunto set my hand this 1st day of January, A. D. 1849.

PATRICK S. DEVLAN.

Witnesses:

ANSON SCHOENER,
WM. B. SCHOENER.