

# UNITED STATES PATENT OFFICE.

GEORGE W. GLADDEN, OF CINCINNATI, OHIO.

## IMPROVED LUBRICATING COMPOUND.

Specification forming part of Letters Patent No. 41,840, dated March 8, 1864.

*To all whom it may concern:*

Be it known that I, GEORGE W. GLADDEN, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Lubricant; and I do hereby declare the following to be a full, clear, and exact description of the ingredients and of the mode of compounding the same.

The object of my invention is a composition of matter adapted for the lubrication of rubbing-surfaces, and having the following advantages:

First, it is not liable to become hard or gummy, like coal-tar and many other lubricants.

Second, it possesses the singular property of remaining moist or semi-fluid until entirely worn out.

Third, it is but little affected by changes of temperature.

Fourth, it is remarkably exempt from the liability of burning on the axle.

Fifth, its cost is less than half that of pine-tar, to which it is far superior in quality as an efficient and enduring lubricant.

My lubricant is composed and compounded

in manner following: Take, by measure, "residuum" from the distillation of rock-oil or petroleum, such as will have the consistence of thick molasses at a temperature of 60° Fahrenheit, two parts; common pine-tar, one part; pulverized black-lead, one part. Melt, without boiling, the residuum and the pine-tar together, and when well blended stir in slowly the black-lead. The whole process after pulverization of the black-lead should consume about half an hour. When well blended the composition may be poured into casks or other vessels for use.

I claim herein as new and of my invention—

A lubricant composed of residuum from the distillation of petroleum, pine-tar, and plumbago, compounded substantially in proportions and manner specified.

In testimony of which invention I hereunto set my hand.

GEORGE W. GLADDEN.

Witnesses:

GEO. H. KNIGHT,

ED. M. BROWN.