

UNITED STATES PATENT OFFICE.

HENRY V. P. DRAPER, OF HANNIBAL, ASSIGNOR OF ONE-SIXTEENTH OF HIS RIGHT TO ROBERT ELLIOTT WILLIAMS AND EDWARD BERNHARD WICKENHAUSER, OF ST. LOUIS, MISSOURI.

TREATMENT OF PETROLEUM LUBRICATING-OIL AND LARD-OIL.

SPECIFICATION forming part of Letters Patent No. 228,181, dated June 1, 1880.

Application filed October 20, 1879.

To all whom it may concern:

Be it known that I, HENRY V. P. DRAPER, of Hannibal, Missouri, have made a new and useful Improvement in the Treatment of Petroleum Lubricating-Oil and Lard-Oil to lower the degree of temperature at which they con-
5 geal, of which the following is a full, clear, and exact description.

It is a well-known fact that many oils of
10 commerce, such as lard-oil and reduced petroleum lubricating-oils, solidify at a temperature of about 40° Fahrenheit. This fact occasions trouble in handling, pouring, and using the oils whenever the prevailing temperature is
15 not above that named.

I have ascertained that combining chloroform with petroleum lubricating-oil or lard-oil causes these oils to remain liquid at a lower temperature than that at which they previ-
20 ously solidified, and in practice the oils can be kept fluid by the present improvement at a temperature as low as zero Fahrenheit.

In combining the chloroform take, for instance, of chloroform three (3) pounds and of lard-oil or petroleum lubricating-oil twenty-
25 five (25) gallons, mix the two ingredients thoroughly together—the more thoroughly the better the result.

I have also learned that the larger the quantity of chloroform combined with the oil up to
30 the point of saturation the lower the temperature at which the oil solidifies.

I claim—

The herein-described mode of lowering the degree of temperature at which lard and pe-
35 troleum lubricating-oils solidify, which consists in combining chloroform therewith, substantially as described.

H. V. P. DRAPER.

Witnesses:

CHAS. D. MOODY,
SAML. S. BOYD.