

United States Patent Office.

LORENZO D. FERGUSON, OF CORNING, NEW YORK.

Letters Patent No. 63,376, dated April 2, 1867.

IMPROVED ILLUMINATING BURNING FLUID.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, LORENZO D. FERGUSON, of Corning, in the county of Steuben, and State of New York, have invented a new and improved Illuminating Burning Fluid which I denominate "Carbonized Benzine Fluid;" and I do hereby declare that the following is a full and exact description of the ingredients and the proportions thereof, and the manner of compounding the same:

Take thirty-nine (39) gallons of benzine of a specific gravity ranging from 60° to 80°, one-half ($\frac{1}{2}$) gallon of linseed oil, one-half ($\frac{1}{2}$) gallon of spirits of turpentine, two (2) pounds of pulverized rosin, one (1) pound of melted beeswax, one-half ($\frac{1}{2}$) pound of gum camphor, one-half ($\frac{1}{2}$) pound of pulverized alum, three-quarters ($\frac{3}{4}$) of a pound of sal soda, (but in case the benzine used is 75° gravity the same amount of caustic potash or dry chloride of calcium may be used.) Mix these articles in substantially the proportions named, and in the same proportions for any greater or lesser quantity, and a beautiful carbonized benzine fluid of great illuminating properties is the product. By this combination the two gases of which benzine is formed are equalized, making them safe and harmonious in combustion. The flame produced by this compound possesses great illuminating power, and is white, clear, smokeless, and odorless. This fluid is very cheap, and may be burned in lamps with or without chimneys with entire safety and success.

What I claim as my invention, and desire to secure by Letters Patent, is—

A carbonized benzine fluid for illuminating purposes, compounded of the ingredients (or equivalents) in the proportions substantially as described.

LORENZO D. FERGUSON.

Witnesses:

AMAZIAH S. KENDALL,
HENRY SAMPLE.