

# UNITED STATES PATENT OFFICE.

FRANK W. BURK, OF NEW YORK, N. Y., ASSIGNOR OF THREE-FOURTHS TO  
WILLIAM H. HEBBERD AND CARRIE M. SAWYER, BOTH OF SAME PLACE.

## CARBURETING COMPOUND.

SPECIFICATION forming part of Letters Patent No. 346,803, dated August 3, 1886.

Application filed May 6, 1886. Serial No. 201,257. (Specimens.)

*To all whom it may concern:*

Be it known that I, FRANK W. BURK, of the city and county of New York, in the State of New York, have invented a new and useful  
5 Improvement in Carbureting Compounds, of which the following is a specification.

My invention consists in a carbureting compound composed of benzine, vegetable wax, and gum-camphor, to be employed for the  
10 purpose of carbureting air for use as illuminating-gas, or as fuel for heating purposes, or for the purpose of enriching gases of poor quality for illuminating purposes.

The proportions of the several ingredients  
15 of which my compound is to be composed may be to some extent varied without essentially changing the character of the compound; but the proportions which I have found most advantageous, and therefore prefer, are as follows: benzine, twenty-five (25) gallons; vegetable wax, five (5) pounds; gum-camphor,  
20 three (3) pounds.

The vegetable wax and the gum-camphor

are dissolved in the benzine, and the compound is used in the same way as other carbureting  
25 compounds, in any well-known or suitable carbureting apparatus, in which the air or gas to be carbureted is caused to pass through or in intimate and diffused contact with the liquid compound.

Of the vegetable wax either of two kinds  
30 may be used. When carbureted air or gas is to be used for illumination, the kind of wax known as "Japan" wax is preferable; or when the air or gas is to be used as fuel for heating,  
35 the kind of wax known as "bayberry" wax is better.

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

The carbureting compound consisting of  
40 benzine, vegetable wax, and gum-camphor, in proportions substantially as herein set forth.

FRANK W. BURK.

Witnesses:

FREDK. HAYNES,  
HENRY MCBRIDE.