UNITED STATES PATENT OFFICE.

AUGUST F. ZIMMERLING, OF MILWAUKEE, WISCONSIN.

GAS-FLUID.

SPECIFICATION forming part of Letters Patent No. 313,795, dated March 10, 1885.

Application filed February 18, 1884. (No specimens.)

To all whom it may concern:

Be it known that I, AUGUST F. ZIMMERLING, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Gas-Fluids; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in a certain gas-fluid, compos d as follows: of fusel-oil, carbon-oil, consisting of petroleum distillate at a gravity of about 74° Baumé, and wood-naphtha. The fusel-oil and wood-naphtha are first purified, either separately or together, and mixed in the proportions of one-third carbon-oil and two-thirds fusel-oil, or vice versa, according to the character of the flame desired, the carbon-oil being in excess when a brilliant flame is desired, and the fusel-oil when a heating-flame is desired; and to this combination a small quantity of wood-naphtha is added to reduce the fire-test—say a volume of naphtha equal to about one twenty-fourth of the volume of fusel-oil and carbon-oil combined. These three ingredients combined constitute my composition; but to this composition may be added camphor without departing from the spirit of my invention, or any drug or drugs may be added to give it a pleasant odor.

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

A gas-fluid compound of fusel-oil, carbon-oil, consisting of petroleum distillate at a gravity of about 74° Baumé, and wood-naphtha, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

AUGUST F. ZIMMERLING.

Witnesses:

STANLEY S. STOUT,

H. G. UNDERWOOD.