

UNITED STATES PATENT OFFICE.

EDWARD M. DAVIDSON, OF NEW YORK, N. Y.

FIRE-EXTINGUISHING COMPOUND.

No. 866,437.

Specification of Letters Patent.

Patented Sept. 17, 1907.

Application filed January 9, 1907. Serial No. 351,449.

To all whom it may concern:

Be it known that I, EDWARD M. DAVIDSON, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Fire-Extinguishing Compound, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in compounds adapted for use in extinguishing fires, and which when so used does not in any way injure or affect any article or substance with which it would normally come in contact while being used.

My compound consists of carbon tetrachlorid (CCl_4) charged with or having in solution carbon dioxid gas (CO_2) sufficient carbon dioxid gas being employed to form a saturated solution at or very slightly above atmospheric pressure. This compound is very volatile and the vapors are not only non-combustible but serve to extinguish the flames of other burning substances. The compound volatilizes in performing its work, and as the rate at which it volatilizes increases with an in-

crease in temperature, it becomes more efficient the hotter the fire. It produces no injurious effects upon the furniture, decorations, machinery, edibles or other articles with which it would be normally brought in contact, and after vaporizing it leaves no residue of any kind.

The compound does not solidify save at extremely low temperature, and requires no attention or recharging until used. It may be readily stored in air-tight bottles or other receptacles, and is not affected by climatic changes.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A composition of matter including carbon tetrachlorid and carbon dioxid.

2. A fire extinguishing compound consisting of carbon tetrachlorid having in solution carbon dioxid gas.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWARD M. DAVIDSON.

Witnesses:

CLAIR W. FAIRBANK,
EVERARD B. MARSHALL.