UNITED STATES PATENT OFFICE.

JOHN HERZOG, OF BALTIMORE, MARYLAND.

COLORED-FIRE COMPOUND.

SPECIFICATION forming part of Letters Patent No. 309,948, dated December 30, 1884.

Application filed October 16, 1884. (Specimens.)

To all whom it may concern:

Be it known that I, JOHN HERZOG, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented a new and useful Improvement in Compositions to be Used as Colored Fire for Tableaux, &c., of which the following is a specification.

My invention consists in the addition of vegetable fiber dyed to the color the fire will produce to the ingredients, being combined in the following proportions as instances: Red fire, equal parts of chlorate of potash, nitrate of strontia, and vegetable fiber—such as sawdust—dyed or colored red with aniline, logwood, or like dye. Green fire, equal parts of chlorate of potash, nitrate baryta, and vegetable fiber dyed with aniline-green. Blue fire, two parts of chlorate of potash, one part blue-stone, and one part vegetable fiber dyed with blue aniline. These ingredients are to be thoroughly mixed.

By the old way of making colored fire the compounds look all alike—*i. e.*, colorless. By my new process the parties using the fire can tell at a glance the exact color the compound will produce when it is to be burned.

I claim as a new manufacture—

A colored fire comprising the usual chemical ingredients to produce the flame of the desired shade, and having in admixture therewith sawdust or like vegetable fiber dyed or stained to a color similar to that which will be produced by the mixture when burned.

JOHN HERZOG.

Witnesses:
W. WILLOUGHBY,
E. A. NEWMAN.