UNITED STATES PATENT OFFICE.

CHARLES T. MUTCHLER, OF OTTUMWA, IOWA.

CLEANING-FLUID.

SPECIFICATION forming part of Letters Patent No. 331,810, dated December 8, 1885.

Application filed August 20, 1885. Serial No. 174,895. (No specimens.)

To all whom it may concern:

Be it known that I, CHARLES T. MUTCHLER, a citizen of the United States, residing at Ottumwa, in the county of Wapello and State of Iowa, have invented certain new and useful Improvements in Cleaning-Fluids, of which the following is a specification.

This invention relates to cleaning compounds for removing grease, oil-spots, dirt, &c., from floors, clothes, and paints, and my compound consists of the following ingredients: Alcohol, thirty-two parts; sulphuric ether, six parts; salts of tartar, three parts; cyanide of potassium, two parts; aqua ammonia, eight parts. A certain quantity of these several ingredients, after a thorough mixing, may be placed in the water for washing the article, or where the case demands may be applied directly to said article in an unadulterated state.

This cleansing compound, used in connection with whiting, is unsurpassed as a preparation for cleaning silverware, nickel, glass, &c., that may be tarnished or spotted from exposure and neglect. It will be also found very effective in removing oil from floors, or paint and grease from clothing.

When used for removing oil from flooring, pour over the spot a sufficient quantity of the fluid, letting it remain ten or fifteen minutes, then sponge off with clear water. If not successful at first, repeat the operation.

For removing paint or grease from clothing, saturate the part thoroughly, letting it remain five or ten minutes, and then rinse in clear water.

It is well known that extract of logwood is effective for relustering old or shelf-worn clothing. Should it be added to my fluid in the proportions of half and half, to about thirty parts of water, goods of the color of blue, black, and brown, &c., can be greatly improved. In mixing this preparation, for example, take one ounce of extract of logwood and dissolve it in about sixteen ounces of soft boiling water. To this add one ounce of my cleaning-fluid, applying the compound boiling hot with a sponge or brush, being sure to brush with the nap. The hotter the compound when applied the better the results.

I have found by experience that the compound composed of the above ingredients is most effective when the proportions above stated are adhered to; but I would have it understood that I do not limit my invention to the exact proportions specified, but hold that I may vary the same in accordance with the article to be cleaned.

I am well aware that cyanides are well-known cleansing agents, and I therefore do not claim, broadly, a cleansing compound of which the same is an ingredient, but only claim it in combination with the ingredients mentioned, in substantially the proportions specified. The poisonous nature of cyanides is also well known, so that preparations formed in part of the same are usually marked "poisonous," as is customary with other articles of a like nature.

Having described my invention and its uses, what I claim, and desire to secure by Letters Patent, is—

The herein-described compound, consisting of alcohol, sulphuric ether, salts of tartar, cyanide of potassium, and aqua ammonia, in substantially the proportions specified.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES T. MUTCHLER.

Witnesses:
W. A. WORK,
S. A. SPILMAN.