UNITED STATES PATENT OFFICE.

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POLISH AND CLEANSER.

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To all whom it may concern:

Be it known that I, IRWIN W. COX, a citizen of the United States, residing at #2211 Van Ness avenue, city of San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Polishes and Cleansers.

This invention especially refers to the cleaning and polishing of the metal aluminum but is also desirable for the cleaning and polishing, in one operation, of copper, brass, iron-steel, crockery, earthenware, agateware, porcelain wares, granite, wood surfaces and such other articles as might need cleaning and polishing about the household.

Up to the present time I know of no manufactured article that will quickly and easily clean and polish aluminum in one operation.

I am aware that an article commercially known as steel wool, is sold for an aluminum cleanser. However, used by itself, steel wool cuts the surface of aluminum badly, scratches and does not polish it.

I am also aware that steel wool is sold with a separate cake or piece of soap for cleaning and polishing aluminum. Although the steel wool when rubbed over the cake of soap with water and then applied to the aluminum dish will clean and give a high polish, it is a constant bother to use the two articles separately, and unless the steel wool is filled with a lather from the soap when through using it will rust badly.

I am aware of no manufactured cleanser on the market that will clean and polish aluminum ware in one operation easily and quickly or as easily and quickly as the following manufactured combination I herewith submit:

1st—The manufactured combination of steel wool with soft soap, or with melted soap or with powdered soap.

2nd—The manufactured combination of steel wool with melted soap and oil or steel wool with soft soap and oil, or steel wool with powdered soap and oil.

I find that any combination of steel wool with soap (in any form) or any combination of steel wool with soap (in any form) and oil will clean an aluminum dish quickly and easily, when used in connection with moisture and leave a high polish. Also that the combination of soap or soap and oil with steel wool has a decided tendency to prevent rusting of the steel wool after it has been used once.

I also find that the convenience and ease with which my cleanser can be used is a marked improvement over the use of steel wool and soap as used separately, in that, all that is necessary is to dampen a piece, or pad, of my cleanser and scour the dish with it, whereas in the steel wool and soap as separate pieces, it is necessary to get the steel wool, get a piece of soap, dampen the steel wool, rub it over the soap and scour the dish. Then repeat the operation from time to time during the scouring.

In the manufacture of my cleanser what is commercially known as No. 0 steel wool is made up into pads; these pads are placed in suitable receptacles and dipped into a solution of hot soap and oil of the proper temperature and proportion, then placed on rocking draining racks and after being uniformly drained of the surplus solution they are placed in the drying room. When properly dried and hardened, these pads are placed in packages for sale.

Although certain soaps and certain thicknesses of fluidity of the soap as well as proper temperatures and certain proportions of oil (when used) are desirable from a manufacturing standpoint, it is to be understood that any and all combinations and proportions of the ingredients named at any temperatures and methods of manufacture that are found desirable may be used that come within the scope of this invention.

1st—Because any combination or proportion of the proper grades of steel wool (#1, #0, #00 as commercially placed on the market) with commercial soap (any form) or any combination of steel wool of the proper grades with soap and oil, will produce the objects claimed in this invention, *e. g.* quick cleaning of articles mentioned elsewhere without undue scratching and a high polish on aluminum, copper and brass articles.

2nd—Because any method of combining these articles in any proportion desired will give or produce the objects claimed in this invention.

Both the soap and the oil, when used in connection with steel wool, have the effect—separately or combined, of a lubricant, preventing undue scratching and cutting of the surface to be cleaned; or cleaned and polished and also act as a rust preventive.

The term soap as here used refers to all grades and forms of soap that will act as a lubricant when used in connection with steel wool, and the term oil as here used refers to all oils and fats that will act as a lubricant to steel wool or as a rust preventive, or either or both, as a rust preventive and lubricant.

I claim:

1. An article of manufacture for use with water in cleansing of aluminum, consisting of a metallic fibrous abradant combined with a soap as a cleanser and lubricator therefor in its abrasive action.

2. A combined cleaning and polishing pad for use with water and particularly in cleansing of aluminum, consisting of an abrasive body of metallic fiber saturated with a rust-preventing substance for maintaining the fiber coated against rusting, and a lubricating saponaceous composition for lubricating the fiber in its abrasive action and for serving as a cleanser.

IRWIN W. COX.

Witnesses:
LOUISE BEARDEN,
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