

UNITED STATES PATENT OFFICE.

ZACK T. FOWLER, OF SANTA ROSA, CALIFORNIA.

CARRIAGE OR BUGGY TOP ENAMEL.

SPECIFICATION forming part of Letters Patent No. 504,339, dated September 5, 1893.

Application filed May 22, 1893. Serial No. 475,186. (No specimens.)

To all whom it may concern:

Be it known that I, ZACK T. FOWLER, a resident of the city of Santa Rosa, county of Sonoma, and State of California, have discovered and invented a new and useful Compound of Matter, which compound is fully described and set forth in the following specification, viz:

This discovery and invention relates to that class of compounds used to renew, soften, preserve and produce a luster, a glossy and shining surface to leather, and cloth tops of carriages, buggies, and all kinds of leather known as "patent leather," as well as enameled cloth; it is a liquid paste, or sort of liquid-paste, and is to be applied with a brush to the material upon which it is desired to produce the enamel, or dressing. It forms a surface by simply setting, without the ordinary rubbing, burnishing or application of heat necessary to produce the glossy, shining surface in the case of all other similar preparations. It sets quickly, forming a surface which, while it is glossy, smooth and hard, cannot be easily indented, scratched or marred, and dust, dirt or other particles, will not adhere to it, yet it is pliable and flexible, and may be bent, twisted or folded in any manner without cracking the surface or showing marks of such bending, twisting, or folding.

This preparation forms an absolute solid surface, which is both air tight and water proof, not being porous as is the case with all other similar preparations, so it absolutely preserves the leather, cloth, or other material covered, and prevents its decay from the effect of the elements, and is absolutely impervious to the air or water. Other dressings of a similar kind, lose their bright, shining and glossy surface by the application of water, soap, or lye and become dead in appearance, while on the other hand, the application of such water, soap or lye to the surface formed by this compound rather improves its appearance and makes it seem moreshiny and glossy.

This preparation when applied to leather, as in the case of an old buggy or carriage top which has become hard, will soften up the leather, make it flexible, soft and elastic as in its natural condition just after being tanned and before it was exposed to the ravages

of the elements. It will therefore not only make an old weather-exposed buggy or carriage top appear as good as new, but it will absolutely make it as flexible, soft and good as new in appearance, and further preserve it from the attacks of the elements. When from exposure and long use the straps which fasten up the rear curtain of a buggy or carriage, have become hard, shrunken and too short to encircle the curtain-roll and fasten it, the application of this compound will make it flexible and elastic so that it may once more be drawn out, and used as good as when first made and placed upon the top for that purpose. Furthermore this enamel or compound will not crack, soften, or grow hard and chip off, but will endure until worn away, retaining its solid, impervious, yet pliable surface as well as its glossy appearance.

This compound also makes a fine dressing to be used over or in the place of the enamel used on what is termed "patent-leather," so commonly used in the dress-shoe, and while the ordinary patent-leather will crack by exposure to cold and water, this dressing will form a covering, bright, shining, and glossy, which will not chip off, or crack when so exposed.

This dressing, preparation, or enamel, may also be used on wood, iron and other materials, where, and on which enamel has been, or may be used, and consists of a compound formed by mixing together in the following proportions the ingredients hereinafter named, to wit:—one (1) gallon of asphaltum, one (1) pint of coach japan, one half ($\frac{1}{2}$) pint of neat's-foot oil, four (4) ounces of oil of citronella, four (4) ounces of alcohol, two (2) ounces of oil of wintergreen, two (2) ounces of liquid glue, cut by, and mixed with, one half ($\frac{1}{2}$) pint of boiled linseed oil, all to be thoroughly mixed and applied cold, with a brush.

I am aware that a compound which forms an enamel, has been in use, but I do not know that a patent has ever been issued therefor, and am not aware that all the ingredients of my composition, in the proportions herein stated have been used together.

What I claim, and desire to secure by Letters Patent of the United States, is—

The herein described composition of mat-

ter to be used to form an enamel, and renew,
soften preserve and produce a luster and
glossy surface to leather, and cloth tops of
carriages, buggies, and leather known as pat-
5 ent-leather, and enameled cloth, also to pro-
duce a hard and glossy surface to wood, iron
and other materials, consisting of asphaltum,
coach japan, neat's-foot oil, oil of citronella,

alcohol, oil of wintergreen, liquid-glue and
boiled linseed-oil, in the proportions and man- 10
ner herein specified.

ZACK T. FOWLER.

Witnesses:

R. L. THOMPSON,
THOS. J. CONWAY.