

UNITED STATES PATENT OFFICE.

HENRY F. EVANS, OF NEW YORK, N. Y.

OLEAGINOUS COMPOUND USED IN MANUFACTURING CORDAGE.

SPECIFICATION forming part of Letters Patent No. 260,179, dated June 27, 1882.

Application filed May 19, 1882. (No specimens.)

To all whom it may concern:

Be it known that I, HENRY F. EVANS, of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Oleaginous Compounds Used in Manufacturing Cordage, of which the following is a specification.

My invention has relation to the art of manufacturing cordage; and it consists in a new and useful compound of an oleaginous nature, intended to be employed as a substitute for the oils now commonly used.

My invention is based upon the discovery that a certain kind of mineral oil is of such a nature that when combined with a comparatively-small percentage of fish-oil or equivalent oil the product may be successfully used, to all intents and purposes, the same as the oils now employed, and with not less satisfactory results.

In the manufacture of "cordage," by which term I intend to describe all manner of ropes, twines, cords, and analogous articles, it is customary to treat the manila or other material with an oil by means that are well understood by persons skilled in the art.

In practicing my invention I use it exactly as fish-oil or other similar oils are used, as I have just mentioned, in the customary manner understood by all persons skilled in the art to which the invention relates, who will be governed, as in the case when the oils now in use are employed, in some degree by the character of the article it is desired to produce, and other circumstances.

My new compound consists, as I have stated, of a particular kind of mineral oil and fish-oil or whale-oil, and I proceed to describe, with as much particularity as is possible, the nature of the ingredients.

The kind of mineral oil of which I make use is what is commercially known as "amber-oil," reduced to any specific gravity; but for

greater certainty I specify the oil which I have used with the best results—to wit, the oil commercially known as "Smith's Ferry" oil. The second ingredient consists of either fish or whale oil.

In regard to the proportions to be employed, it being well known that the fish-oil or whale-oil can be used alone, it follows that even though there be an equal proportion or an excess of that ingredient the compound will be a useful one and of great value; but the preferred proportions will be such as involve the use of the smallest possible percentage of fish or whale oil that will produce the desired result. I have found that if fifty parts of fish or whale oil of the usual quality be added to fifty parts of Smith's Ferry oil the product will be one of a very satisfactory character, which may be employed with good results. I recommend the use of the said Smith's Ferry oil and fish or whale oil in these proportions as the best formula of which I have a knowledge. I do not, however, limit my claim to any particular proportions; nor do I limit myself to a compound in which the ingredients hereinbefore described are employed alone, without the admixture of other ingredients of an analogous or appropriate character; but

What I claim as new, and desire to secure by Letters Patent, is—

An oleaginous compound to be used in the manufacture of cordage, consisting essentially of an amber-oil and fish or whale oil, combined as specified.

In testimony that I claim the foregoing improvement in compounds used in manufacturing cordage, as above described, I have hereunto set my hand this 18th day of May, 1882.

HENRY F. EVANS.

Witnesses:

D. D. DENTON,

FREDK. B. WIGHTMAN.