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WAX

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4 Claims. (Cl. 37-19)

This invention relates to certain new and useful improvements in waxes and the method of producing the same.

For certain uses, such as certain types of wax-coated papers and in the manufacture of certain types of candles, it is highly desirable to have a paraffin wax which has an opaque appearance. In the past materials, such as stearic acid, beta naphthol, ammonium stearate and palmitate, salicylic acid, solid aliphatic alcohols, and other compounds, have been used in relatively large amounts in paraffin waxes to render the same opaque. However the necessity of using relatively large amounts of these relatively expensive materials makes the use thereof as opacifiers undesirable.

It is the primary object of the present invention to produce an opaque paraffin wax having an improved appearance and produced by the addition of relatively small amounts of a relatively inexpensive but effective addition agent. I have found that the addition of relatively small amounts, i. e., from 0.5% to about 5% and preferably 0.5% to 3% of hydrogenated fats, and particularly hydrogenated vegetable oils, such as castor oil, cottonseed oil, corn oil, etc. to paraffin waxes will impart to the latter an improved, shiny, opaque appearance. Paraffin waxes having melting points ranging from about 120° F. to about 160° F. may be used although paraffin waxes having melting points ranging from about

120° F. to about 145° F. are most commonly employed. For example, I have found that the addition of 1% of hydrogenated castor oil or hydrogenated cottonseed oil to paraffin wax having a melting point of about 130-135° F. will produce a better appearing opaque wax than is obtained by the addition of 5% of stearic acid to the same wax.

While the use of a mixture of paraffin wax and at least 50% of hydrogenated vegetable oil has been suggested in the past to produce candles of the rubric type, I know of no use of small amounts of hydrogenated vegetable oil in amounts of not more than 5% to render paraffin wax opaque.

I claim:

1. An opaque wax comprising a mixture of paraffin wax and from about 0.5% to about 5% of a hydrogenated fat.

2. As a new article of manufacture having an opaque appearance a mixture of paraffin wax and from about 0.5% to 5% of a hydrogenated vegetable oil.

3. An improved opaque wax comprising paraffin wax and 0.5% to about 5% of hydrogenated castor oil.

4. An improved opaque wax comprising paraffin wax and 0.5% to about 5% of hydrogenated cottonseed oil.

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