

VOL. III.—1889.

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THE JOURNAL
OF
LARYNGOLOGY
AND
RHINOLOGY;

*AN ANALYTICAL RECORD OF CURRENT LITERATURE RELATING TO
THE THROAT AND NOSE.*

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Published Monthly.

LONDON:
R. ANDERSON & CO.,
14, COCKSPUR STREET,
CHARING CROSS, S.W.

PHILADELPHIA:
P. BLAKISTON, SON & CO.,
1012, WALNUT STREET.

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Photo-Micrographs :
THE KEPLER SOLUTION
 Compared with Emulsions of Cod Liver Oil.

An Ideal Form of Fat.

Cod Liver Oil rarely agrees when taken plain or on an empty stomach; in either case it is apt to derange the digestive organs, and even cause vomiting and diarrhoea. The more intimately fat

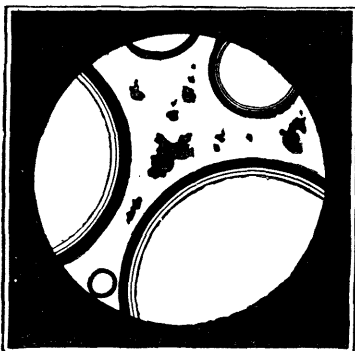


PLATE I.—A FAIR EXAMPLE OF THE COD LIVER OIL EMULSIONS OF THE MARKET, MAGNIFIED 400 DIAMETERS.

is incorporated with the food we eat the more likely is it to agree with the stomach. Realising this, manufacturers have resorted to alkalis, etc., to sub-divide cod liver oil, and lost sight of the

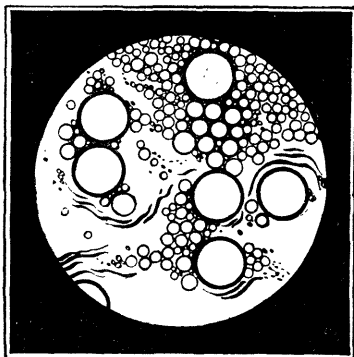


PLATE II.—EMULSION OF OIL AND MILK, MAGNIFIED 400 DIAMETERS.

fact that it is a food. The adjuvants were objectionable, and the mixtures oily, exciting disgust. "In all oil emulsions oil globules can, as a rule, be discovered without difficulty" (Godwin Clayton).

Plate I. represents an emulsion strong with essential oils and gums. So coarse are the oil globules, that a segment of one of them occupies a goodly part of the field. What wonder that many maintain that it is better to give cod liver plain than in emulsion!

Plate II. represents what is claimed to be the most finely-divided of all emulsions. Not only does it go "queer," throwing down a precipitate, etc., but the size of the large circles (the small

Supplied to the profession in $\frac{3}{4}$ -lb. and $1\frac{1}{2}$ -lb. bottles at 1s. 6d. and 3s. 2d. Retail at 2s. 6d. and 4s.

ones are milk) conveys a good idea of how indigestible must be the oil in even the best of emulsions.

The microscopic appearance of the globules in milk (Plate III.) forms a strange contrast with that of the two preceding products mentioned. The fat

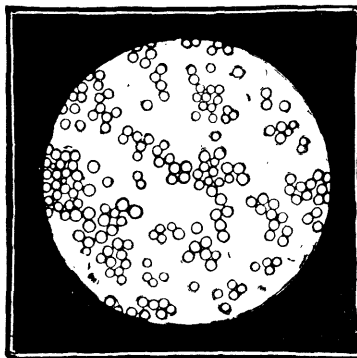


PLATE III.—PURE MILK, MAGNIFIED 400 DIAMETERS, SHOWING OIL GLOBULES.

of milk is, of course, in a highly assimilable form.

Kepler has recently discovered a process by which cod liver oil can be perfectly dissolved in a properly-prepared extract of malt. This product

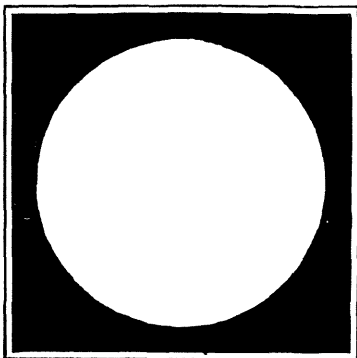


PLATE IV.—Kepler Perfect Solution* of Cod Liver Oil, Magnified 400 Diameters.

is called the *Kepler Solution*. It is more quickly absorbed and assimilated than any other known form of cod liver oil preparations. It is as sweet and palatable as cream. *Kepler Solution* does not disturb the stomach like emulsions, and "under the microscope (Plate IV.) no oil globules are visible, and the field is perfectly clear." It is simply a combination of two foods—oil dissolved in malt—and this is why it agrees better than oil and chemicals. It is in no sense an emulsion, for, as Mr. Godwin Clayton says, "its constituents are in a condition of more intimate admixture, namely, that of Solution."

* "An ideal form for administration of fat."—*British Medical Journal*.

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