# MILK-ANALYSIS: A PRACTICAL TREATISE ON THE EXAMINATION OF MILK AND ITS DERIVATIVES, CREAM, BUTTER AND CHEESE

Published @ 2017 Trieste Publishing Pty Ltd

#### ISBN 9781760579173

Milk-Analysis: A Practical Treatise on the Examination of Milk and Its Derivatives, Cream, Butter and Cheese by J. Alfred Wanklyn

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

## J. ALFRED WANKLYN

## MILK-ANALYSIS: A PRACTICAL TREATISE ON THE EXAMINATION OF MILK AND ITS DERIVATIVES, CREAM, BUTTER AND CHEESE





In course of preparation,

A WORK ON

TEA, COFFEE, AND COCOA,

BY THE SAME AUTHOR.

## MILK-ANALYSIS

### A PRACTICAL TREATISE

ON THE

EXAMINATION OF MILK AND ITS DERIVATIVES, CREAM, BUTTER, AND CHEESE.

BY

### J. ALFRED WANKLYN, M.R.C.S.

Corresponding member of the rotal bavarian academy of sciences; Public analyst for rockingramister, ecckingram, and high wycombe.

LONDON:
TRÜBNER & CO., 57 & 59 LUDGATE HILL.
1874.

[All rights reserved.]

Cham 1108,74.3

Transfired from Bussey Institution

PRINTED BY BALLANTYNE AND COMPANY
EDINBURGH AND LONDON

## PREFACE.

During the year 1871 I devoted much attention to the subject of milk-analysis, and besides making many hundreds of analyses of milk purchased in different parts of London for the *Milk Journal*, was employed by Government in an investigation into the milk supplied to the Metropolitan Workhouses. I have likewise examined the milk supplied to the Hospitals in London.

In the course of this work, I have been fortunate enough to make some improvements in the art of milk-analysis, and, in particular, some little modifications in the taking of milk-residues, so as to transfer such determinations (which before were tedious and uncertain) into

the list of the simplest and most exact of chemical analyses. At the present time, when a new class of men has been constituted to watch over the food of the country, there is need for special manuals of this description.

LONDON, November 1873.

## CONTENTS.

				СН	APT	ER I	<u>.</u>					PAGE
INTRODUCTOR												
ITS COM												1
				сн	APT	ER I	I.					
INSTRUMENT	8 4	ND M	BTH	D6 F	OB T	ESTI	ig Mi	lk –	- OUT	LINE	OF	
METROI	OF	MILK	ANAI	.4818,		•	•					8
				СН.	APTI	ER I	II.					
MILE-SOLIDS	,		٠				24	•				14
				CH	APT	ER I	v.					
THE PAT,	•	٠	٠	3		0	•	Ĉ.		•		20
			85			ER						
CASEINE,		38	3			į.	:	•	•	•		24
				CH	APT	ER V	I.					
MILK-BUGAR	,		8					1000	11300		- 5	27
						er v						
. нва	:5	.12	125	1736		6066096 51 <b>9</b> 56	1861 1881	1250		:0		29
						R V						
CALCULATIO	N AJ	ND ST	ATEM	ENT O	P RES	SULTS	1100.00 1100.00	•	•	•	80	31
100				CH	APT	ER I	X.					
THE MILE-8	UPPI	LY OF	THE	LOND	ON W	ORKH	OUBES	, .	+1	32	2	34