

LIBRARY
OF THE
UNIVERSITY OF CALIFORNIA.

Class

TOBACCO:

GROWING, CURING, AND MANUFACTURING.

H. L. Osgood

TOBACCO:

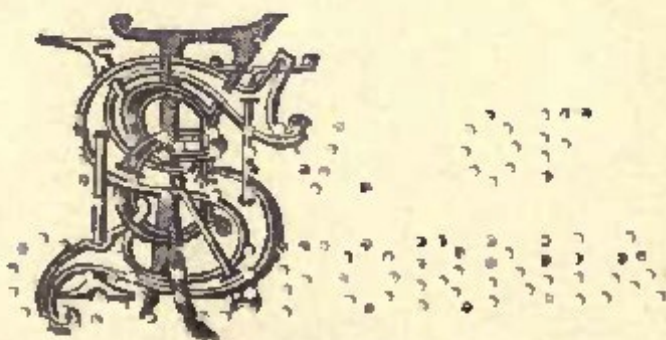
GROWING, CURING, & MANUFACTURING.

A HANDBOOK FOR PLANTERS

IN ALL PARTS OF THE WORLD.

EDITED BY

C. G. WARNFORD LOCK, F.L.S.



E. & F. N. SPON, 125, STRAND, LONDON.

NEW YORK: 35, MURRAY STREET.

1886.

SB273

L6

TO THE
LIBRARY OF

PREFACE.

TOBACCO growing is one of the most profitable branches of tropical and sub-tropical agriculture; the "weed" has even been proposed as a remunerative crop for the British farmer, and is very extensively grown in continental Europe. The attention recently drawn to the subject has resulted in many inquiries for information useful to the planter desirous of starting a tobacco estate. But beyond scattered articles in newspapers and the proceedings of agricultural societies, there has been no practical literature available for the English reader. It is a little remarkable that while our neighbours have been writing extensively about tobacco growing, of late years, no English book devoted exclusively to this subject has been published for nearly thirty years. A glance at the bibliography given at the end of this volume will show that the French, German, Swiss, Italian, Dutch, Sicilian, and even Scandinavian planter has a reliable handbook to guide him in this important branch of agriculture, while British settlers in our numerous tobacco-growing colonies must glean their information as best they may from periodical literature.

To supply the want thus indicated, the present volume

225797

has been prepared. The invaluable assistance of tobacco-planters in both the Indies and in many other tropical countries, has rendered the portion relating to field operations eminently practical and complete, while the editor's acquaintance with agricultural chemistry and familiarity with the best tobacco-growing regions of Asiatic Turkey, have enabled him to exercise a general supervision over the statements of the various contributors.

CONTENTS.



CHAPTER I.

THE PLANT	PAGE 1
-------------------	-----------

CHAPTER II.

CULTIVATION	7
---------------------	---

CHAPTER III.

CURING	67
----------------	----

CHAPTER IV.

PRODUCTION AND COMMERCE	137
---------------------------------	-----

CHAPTER V.

PREPARATION AND USE	231
-----------------------------	-----

CHAPTER VI.

NATURE AND PROPERTIES	253
-------------------------------	-----

CHAPTER VII.

ADULTERATIONS AND SUBSTITUTES	267
---------------------------------------	-----

CHAPTER VIII.

	PAGE
IMPORTS, DUTIES, VALUES, AND CONSUMPTION	271

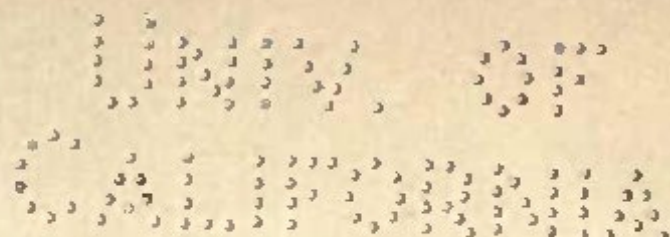
CHAPTER IX.

BIBLIOGRAPHY	276
----------------------	-----

INDEX	281
---------------	-----

LIST OF ILLUSTRATIONS.

FIG.	PAGE
1. CUBAN TOBACCO PLANT	4
2. MARYLAND TOBACCO PLANT	5
3. AMERSFORT TOBACCO PLANT	6
4. STRAW MAT FOR COVERING SEED-BEDS	47
5. SHADE FRAMES USED IN CUBA	49
6. QUINCUNK PLANTING	52
7. TOBACCO WORM AND MOTH	56
8. SHED FOR SUN-CURING TOBACCO	83
9. HANGING BUNCHES OF LEAVES	95
10. TOBACCO BARN	95
11. INTERIOR OF TOBACCO BARN	96
12. HAND OF TOBACCO	108
13. PACKING HOGSHEAD	133
14 to 17. TOBACCO-CUTTING MACHINE	234
18. MACHINE FOR MAKING PLUG TOBACCO	237
19 to 21. MACHINE FOR MAKING TWIST OR ROLL TOBACCO ..	238
22, 23. DIAGRAMS OF SEGMENT ROLLERS OF TWIST MACHINE	240
24 to 26. ANDREW'S IMPROVEMENTS IN TWIST MACHINE ..	243-4
27. MACHINE FOR CUTTING AND SIFTING SCRAP TOBACCO ..	246
28. MACHINE FOR MAKING CIGARETTES	247
29. RESWEATING APPARATUS	249
30. MACHINE FOR WEIGHING OUT SMALL PARCELS OF TOBACCO	250
31. TOBACCO-CUTTING MACHINE	252



TOBACCO :

GROWING, CURING, AND MANUFACTURING.



CHAPTER I.

THE PLANT.

NEXT to the most common grains and pulses, probably no plant is so widely and generally cultivated as tobacco. In what country or at what date its use originated has little to do with us from a practical point of view, though interesting enough as a subject for the student of ethnography and natural history. Suffice it to say that it has been grown and smoked since pre-historic times in many tropical and sub-tropical countries, and has assumed an importance in modern daily life only surpassed by a few prominent food plants and cotton.

This long-continued and widespread cultivation has helped to produce local varieties or races of the plant which have sometimes been mistaken for distinct species, and caused a multiplication of scientific names almost bewildering. The following epitome comprehends the species and varieties of *Nicotiana* possessing interest for the cultivator :—

I. *N. Tabacum macrophylla* [*latifolia*, *lattissima*, *gigantea*]
—Maryland tobacco. Of this, there are two sub-species