ANALYSIS OF CONTENTS

STORY OF PLANT AND FLOWER

Early History of Botany — The Father of Modern Botany — Botany at the Beginning of the Nineteenth Century – Natural System of Classification — Advance in Study of Plant Behavior — Illustrations from the Penant and Grape-vine — Plant Motions as regards Forms — Origin and Development of Plant Life — The Doctrine of Evolution — Nutrition of Plants — Fertilization of Flowers — Insectivorous and Cruel Plants — Vegetable Physiology — Advance in Relation to Cryptogamic Plants — Geographical Botany — Herbariums and Botanical Gardens . . . 105-114

PROGRESS OF WOMEN WITHIN THE CENTURY

Woman's Misconception of her Rights — Former Oppression — Cosmic and Moral Processes — What Christianity has done for Women — Hardship of the Pauline Crip — The True Mission of Woman — Improvement in her Education — Female Occupations — Competition with Men — Woman in the Literary Field — In Philanthropy and Morals — Women's Clubs — Woman in Politics — The constantly Broadening Field of Woman's Influence

THE CENTURY'S TEXTILE PROGRESS

Antiquity of Textile Industry — The Distaff, Spindle, and Loom among Chinese, Egyptians, and Greeks — Introduction of the Spinning-wheel — Loom of the Eighteenth Century — The Flyshuttle — Textiles at the Beginning of the Nineteenth Century — Invention of the Spinning Jenny — Arkwright's Drawing-rollers — Whitney's Cotton-gin — Its Influence — Invention of the Spinningmung-mule — The Spinning-frame — Rapid Improvements in Spinning Machinery — Evolution of the Spindle — Increase of Speed — Introduction of the Carding-manchine — Carding-combs — Advvent of Pow Iooms — Description of their Machinery and Products — The Jacquard Loom — Of Pile Fabrics — The Bigelow Loom — How Tafted Pile Fabrics are made — Weaving of Fancy Cloths — Various Forms of Looms — Hair-Cloth Loons — Weaving of Tabular Fabrics — Infinited of Uses to which the Loom can be put — The Coming Automatic Loom — Advent of the Knittingmachine — Its Wonderful Perfection and Products — The Century's Patents of Textile Machinery — Beauty of Textile Art — Its Influence on Taste and Comfort … … … … … … … … … … … … … … …

THE CENTURY'S RELIGIOUS PROGRESS

GREAT GROWTH OF LIBRARIES

Antiquity of Libraries — Evidences of Civilized Progress — Character of Ancient Writings — Books of Clay — Mesopotamian Literature — Egyptian Hieroglyphics — Papyrus Manuseripts — Sacred Books of Thoth — Greek Libraries — Their Number and Extent — Roman Libraries — Imperial Library of Constantinople — Effects of Christianity upon Literature — Church Booksmaking and Collecting — All Books written or copied by Priests — Fate of Monastic Libraries — Early Libraries in France — Royal Libraries in Europe — The French National Library — Introduction of Copy "ght — Growth and Extent of European Libraries — Their Location and Management — The British Museum — Libraries of Great Britain — Chundian Libraries — English Colonial Libraries — Libraries of the Latin Republics — Phenomenal Growth of Libraries in the United States — Wide Ramification of the System — The Oldest United States Library — Osolonial Libraries — Libraries of 1800 — Number founded during the Centry — State Libraries — School-district Libraries = Library Systems — The Libraries — Noted Libraries of the Country — Libraries of over 100,000 Volumes — Munificence of Library Founders — Noted Givers to Libraries – Progress in Libraries – Progress in

vi