

**THE LAND SYSTEMS
OF MEXICO**

GEORGE McCUTCHEN McBRIDE

AMERICAN GEOGRAPHICAL SOCIETY

RESEARCH SERIES NO. 12

X9(J):(274)
F3
4590

\$3.50.

Dhananjayaso Gadgil Library



GIPE-PUNE-004590

LAND SYSTEMS OF MEXICO

AMERICAN GEOGRAPHICAL SOCIETY

RESEARCH SERIES NO. 12

W. L. G. JOERG, *Editor*

THE LAND SYSTEMS OF MEXICO

BY

GEORGE McCUTCHEN McBRIDE, Ph.D.

University of California, Southern Branch

WITH A FOREWORD

BY

SEÑOR MANUEL GAMIO

Director de Antropología, Secretaría de Agricultura y Fomento



AMERICAN GEOGRAPHICAL SOCIETY

BROADWAY AT 156TH STREET

NEW YORK

1923

COPYRIGHT, 1923
BY
THE AMERICAN GEOGRAPHICAL SOCIETY
OF NEW YORK

X9(1):(Z74)
F3

4590

CONDÉ NAST PRESS
GREENWICH, CONN.

TO
MY MOTHER

CONTENTS

| CHAPTER | PAGE |
|--|------|
| FOREWORD, by SEÑOR MANUEL GAMIO, Director de Antropología, Secretaría de Agricultura y Fomento, Mexico | ix |
| PREFACE | xi |
| I INTRODUCTION. | I |
| II THE GEOGRAPHICAL SETTING | 5 |
| III THE HACIENDAS OF MEXICO. | 25 |
| IV THE RANCHOS OF MEXICO | 82 |
| V COLLECTIVE HOLDINGS IN MEXICO | 103 |
| VI DISTRIBUTION OF RURAL HOLDINGS AMONG THE PEOPLE OF MEXICO | 139 |
| VII THE AGRARIAN REVOLUTION | 157 |
| VIII CONCLUSION. | 172 |
| BIBLIOGRAPHY | 182 |
| INDEX | 197 |

LIST OF ILLUSTRATIONS

| FIG. | | PAGE |
|------|---|------|
| 1 | Map of Mexico showing the natural regions | 8 |
| 2 | Map of Mexico showing the average annual rainfall | 9 |
| 3 | The Valley of Mexico, looking toward Lake Texcoco from Guadalupe facing | 10 |
| 4 | Northern, drier portion of the Valley of Mexico at Teotihuacán facing | 11 |
| 5 | Map of Mexico showing the population density | 12 |
| 6 | Map of Mexico showing the assessed value of rural property | 13 |
| 7 | Mountain pastures on the crests of the ridges in central Mexico facing | 16 |
| 8 | A characteristic <i>barranca</i> in the western escarpment of the Mexican plateau: Atenquique gorge between Tuxpan and Colima facing | 16 |
| 9 | Mount Orizaba, on the rim of the eastern escarpment of the Mexican plateau facing | 20 |
| 10 | Scene in the <i>tierra caliente</i> : Chietla in the state of Puebla at the foot of the southern escarpment of the Mexican plateau facing | 21 |
| 11 | Plan of a typical Mexican hacienda: Hacienda de la Magdalena y del Serano in the state of Colima | 26 |
| 12 | The owner's house and garden on a Mexican hacienda facing | 28 |
| 13 | Peon's hut on a Mexican hacienda facing | 28 |
| 14 | Peons cultivating an hacienda field facing | 29 |
| 15 | Bringing in the cattle on an hacienda facing | 29 |
| 16 | The Atlixco Valley on the edge of the Mesa Central, with its fine wheat fields in the background facing | 36 |
| 17 | Maguey hacienda in the Mesa Central near Mexico City facing | 37 |
| 18 | Sketch map showing the towns granted to Cortés in Morelos and México | 46 |

| FIG. | PAGE |
|---|------|
| 19 Sketch map showing the towns granted to Cortés in Oaxaca and Veracruz | 47 |
| 20 Ranchos in the heads of valleys that lead into the Valley of Mexico facing | 100 |
| 21 Contemporary plan showing the type of holdings of a Spanish town on the northern frontier of Mexico in colonial times | 110 |
| 22 An Indian settlement with its multitude of small holdings separated by lanes: the Valley of Maltrata in the eastern escarpment of the Mexican plateau . . facing | 112 |
| 23 A scattered agricultural settlement of Indians in the Toluca Valley on the Mesa Central facing | 113 |
| 24 Old Indian picture map showing the holdings of an individual facing | 116 |
| 25 Typical pueblo and communal-holdings country near Laurel on the slopes of the Sierra de la Cruces . facing | 117 |
| 26 Large estates on alluvial deposits bordering Lake Pátzcuaro in the southern part of the Mesa Central . facing | 140 |
| 27 The Valley of Morelos in the southern escarpment of the Mexican plateau seen from Cuernavaca . . . facing | 141 |
| 28 Taviche, one of the few districts in the Oaxaca plateau that are adapted to agriculture facing | 146 |
| 29 A small farm among the Oaxaca hills facing | 147 |
| 30 Map showing the large land grants in the territory of Baja California | 152 |
| 31 Map of a Mexican hacienda showing portions detached, under the present agrarian reform measures, to be assigned as <i>ejidos</i> to adjoining pueblos | 162 |
| 32 Plan of an <i>ejido</i> as divided into individual portions under the present agrarian reform measures | 163 |
| 33 Sketch map showing land given to a pueblo as <i>ejido</i> under the present agrarian reform measures | 164 |

All the photographic views in this book are copyrighted by C. B. Waite, Mexico City, except Fig. 23, which was taken by the author

FOREWORD

Many factors contribute to explain the abnormal and deficient conditions of life which for several centuries have governed the development of almost all the Latin American countries: heterogeneity of ethnic, cultural, and linguistic character; one-sided laws, unsuited to the complex character and the diversified structure of society; deficient exploitation of the soil and unsatisfactory distribution of its products; and, as a consequence, extreme economic inequality. In a book published some time ago¹ I commented, although somewhat superficially, upon the effect of these factors, selecting Mexico as a representative country for such an analysis. Unfortunately the interesting theme which the agrarian problem presents was treated in an incidental and secondary manner—unfortunately, I say, because, in truth, the agrarian question has been the most powerful factor in the development, past and present, of the Mexican people.

In view of this fact, upon reading the manuscript in which Dr. George M. McBride, commissioned by the American Geographical Society, has studied and treated the agrarian problem in Mexico, I felt grateful surprise not only that such an important scientific institution was occupied in the study of one of the transcendental questions that affect my country but also to find in the work a profound knowledge of the matter treated and absolute moderation in the conclusions reached—qualities difficult to find combined, because, as to the first, the collection of scientific data for such a subject is so extremely difficult, both on account of the paralyzing effect of the European War and on account of the distance which has heretofore separated the scientific institutions of Mexico and the United States, and, as regards the second, because, in the midst of the social innovations which mark the present times, it is very difficult to distinguish

¹ Manuel Gamio: *Forjando patria (pro nacionalismo)*, Mexico, 1916.

between a just and necessary social reform and that which is the product of an exaggerated and objectionable radicalism.

The possession and the exploitation of the land has been the fundamental cause of the bad economic condition experienced by the Mexican people from the time of the Conquest to our days, as has been made evident by the relatively numerous studies of this subject. Unfortunately, almost all of these studies are incomplete, one-sided, or lacking in a dispassionate presentation. We do not hesitate to state that the present work is one of the best yet produced because of the scientific spirit which characterizes it and the moderation and judgment which give prestige to its concepts.

From the international viewpoint studies of this character are highly significant for the United States and particularly for Mexico, whose actual social and economic conditions are so little known abroad. We fervently hope that, stimulated by the American Geographical Society, other American scientific institutions may dedicate a part of their attention to procuring a just and disinterested knowledge of the problems that affect the Latin American countries—a noble task which will make clear to the people and the government of the United States the how and the why of the qualities and deficiencies of those countries, as also their future possibilities. Such a course would undoubtedly bring with it a better understanding between the peoples who occupy the northern and the southern banks of the Río Grande.

MANUEL GAMIO

PREFACE

It is a venturesome undertaking for any foreigner to attempt a description of the intimate customs and relations of a country, even though long residence has given him an opportunity to see the actual operation of its social institutions. There is much that does not appear on the surface—many details that come to the acquaintance only of those whose contact with the people and their ways is most intimate. This is particularly true in the case of less advanced peoples, such as the various Indian races, whose lives, and even their relations with the whites, are regulated by custom rather than by written law. Hence in spite of fifteen years spent in different parts of Latin America, as missionary, teacher, student, and traveler, during which time there were offered unusual opportunities to know the people, their customs, their ideas, their governments, their history, and the geography of their countries, by seeing the inhabitants in their homes, speaking with them in their own tongue, trading with them in the markets, renting and buying houses and lands from them; and in spite of a rather unique advantage in the way of becoming familiar with the source materials that deal with Latin American lands and institutions, through association with the Hispanic American Division of the American Geographical Society, the author still feels that it has required a certain amount of presumption on his part to attempt a description of such a fundamental problem as that related to the system of land tenure in one of those countries. He has tried, however, to describe conditions as he has actually observed them, during the twenty years in which he has been keenly interested in this basic question, and to interpret the facts in the light of his personal acquaintance with the country and its inhabitants, guided always by a sympathetic appreciation of the people whose institutions he is describing. If by so doing he has been successful in presenting a true picture of conditions in Mexico, in so far as they are related

to the system of land tenure, he will be satisfied, whatever other shortcomings or defects the work may show.

To the American Geographical Society for having made the present study possible and, especially, to the Director of that society, Dr. Isaiah Bowman, for his constant friendly guidance and encouragement, the author owes and hereby gladly acknowledges a debt of gratitude. Professor Frederick J. Teggart of the University of California and Mr. W. L. G. Joerg of the American Geographical Society rendered invaluable service in editing the manuscript, as did also Mr. Alan G. Ogilvie, recently chief of the Hispanic American Division of that society, in preparing the maps. Señor Manuel Gamio, Director de Antropología of the Secretaría de Agricultura y Fomento of Mexico, and Professor Moisés Saenz, formerly Director General de Instrucción Pública of Mexico, also kindly read the manuscript and made important suggestions. The former, moreover, allowed the author to see the proof sheets of his work, "La Población del Valle de Teotihuacán," in which various features of the land system of Mexico are traced through their historical development in that region; the conclusions reached by the author for Mexico in general are largely corroborated by Señor Gamio's findings in that particular district. Members of the Graduate School faculty of Yale University, where the study, in preliminary form, was presented as a thesis for the Doctor's degree, also offered helpful criticisms.

G. M. M.

The American Geographical Society
New York, July, 1923

BIBLIOGRAPHY

ON

LAND TENURE IN MEXICO

PRE-CONQUEST PERIOD

(a) Sources and earlier writings

- ACOSTA, JOSÉ DE SALAMÁN. *Historia natural y moral de las Indias*. [c. 1590.] Seville, 1608; Madrid, 1894.
- ALVARADO TEZOZÓMOC, FERNANDO DE. *Histoire du Mexique*. Traduite par Henri Ternaux-Compans. Paris, 1847-49; 2 vols., Paris, 1853.
- ALVARADO TEZOZÓMOC, FERNANDO DE. *Crónica mexicana*. In Lord Kingsborough: *Antiquities of Mexico*, Vol. 9, pp. 1-196. London, 1848.
- ALVARADO TEZOZÓMOC, FERNANDO DE. *Crónica mexicana*. Anotada por . . . Manuel Orozco y Berra, y precedida del Códice Ramírez. (Biblioteca mexicana.) Mexico, 1878.
- BOTURINI BENADUCI, LORENZO. *Idea de una nueva historia general de la América septentrional*. Madrid, 1746.
- CASAS, BARTOLOMÉ DE LAS. *Historia de las Indias, ahora por primera vez dada á luz por el marqués de la Fuensalida del Valle y D. José Sancho Rayón*. 5 vols. Madrid, 1875-76.
- CLAVIGERO, FRANCESCO SAVERIO. *Storia antica del Messico*. 4 vols. Cesena, 1780-81.
- CLAVIGERO, FRANCISCO XAVIER. *Historia antigua de México*. 2 vols. Mexico, 1917.
- Codex Mendoza. In Lord Kingsborough: *Antiquities of Mexico*. Vol. 1, pp. 1-73; Vol. 5, pp. 39-126; Vol. 6, pp. 3-94. London, 1830.
- Codex Ramírez. In Fernando de Alvarado Tezozómoc: *Crónica mexicana*, anotada por . . . Manuel Orozco y Berra, y precedida del Códice Ramírez. Mexico, 1878.
- Codex Ramírez. *Manuscrit Ramírez: Histoire de l'origine des Indiens qui habitent la Nouvelle Espagne selon leurs traditions, publié par Désiré Charnay*. (Recueil de voyages et de documents, Vol. 19.) Paris, 1903.
- Codex Ramírez. *Notes on the Codex Ramírez, with a translation of the same, by Henry Phillips, Jr.* *Proc. Amer. Philos. Soc.*, Vol. 21, 1884, pp. 616-651. Philadelphia.

- Colección de documentos inéditos relativos al descubrimiento, conquista y colonización de las posesiones españolas en América y Oceanía, sacados, en su mayor parte, del Real Archivo de Indias. 42 vols. Madrid, 1864-84.
- Conquistador anónimo, El. Relación de algunas cosas de la Nueva España, y de la gran ciudad de Temestitán México; escrita por un compañero de Hernán Cortés. In Joaquín García Icazbalceta: Colección de documentos para la historia de México, Vol. 1, pp. 368-398. Mexico, 1858.
- [Conquistador anónimo, El.] Narrative of some things of New Spain, . . . written by the anonymous conqueror, a companion of Hernan Cortes. Translated into English and annotated by M. H. Saville. (The Cortes Society: Documents and narratives concerning the discovery and conquest of Latin America, No. 1.) New York, 1917.
- CORTÉS, HERNANDO. Carta . . . al Consejo de Indias, pidiendo ayuda para continuar sus armadas, y recompensa para sus servicios, y dando algunas noticias sobre la constitución de la propiedad de las tierras entre los Indios. In Colección de documentos inéditos . . . del Real Archivo de Indias, Vol. 3, pp. 535-543. Madrid, 1865.
- CORTÉS, HERNANDO. Historia de Nueva España . . . aumentada con otros documentos, y notas, por . . . Don Francisco Antonio Lorenzana, arzobispo de México. Mexico, 1770.
- CORTÉS, HERNANDO. Letters of Cortes: The five letters of relation . . . to the Emperor Charles V. Transl. and edit. by Francis Augustus MacNutt. 2 vols. New York, 1908. [Bibliography, pp. 99-119.]
- CORTÉS, HERNANDO. The despatches . . . addressed to the emperor Charles V. Transl. with an introduction and notes by George Folsom. New York, 1843.
- CORTÉS, MARTÍN. Carta . . . al rey D. Felipe II sobre los repartimientos y clases de tierras de Nueva España. In Colección de documentos inéditos . . . del Real Archivo de Indias, Vol. 4, pp. 440-462. Madrid, 1865.
- De l'ordre de succession observé par les Indiens relativement à leurs terres et de leurs territoires communaux. [c. 1530.] In Henri Ternaux-Compans: Voyages, relations et mémoires originaux, Vol. 10, pp. 223-242. Paris, 1838.
- DÍAZ DEL CASTILLO, BERNAL. Historia verdadera de la conquista de la Nueva España. Madrid, 1632.
- DÍAZ DEL CASTILLO, BERNAL. The true history of the conquest of New Spain. Transl., with introduction and notes, by A. P. Maudslay. Hakluyt Soc. Pubs., Ser. 2, Vols. 23, 24, 25, 30, 40. London, 1908-16.
- DÍAZ DEL CASTILLO, BERNAL. Verdadera historia de los sucesos de la conquista de la Nueva España. (Biblioteca de autores españoles, Vol. 26, pp. 1-317.) Madrid, 1853.

- DURÁN, DIEGO. Historia de las Indias de Nueva España y islas de tierra firme. [c. 1580.] 2 vols. and atlas. Mexico, 1867-80.
- ECHVERRÍA Y VEYTIA, MARIANO FERNÁNDEZ DE. Tezcoco en los últimos tiempos de sus antiguos reyes, ó sea relación tomada de los manuscritos inéditos de Boturini, redactados por el lic. D. Mariano Veytia. Publicalos con notas y adiciones . . . Carlos María de Bustamente. Mexico, 1826.
- GAGE, THOMAS. The English-American his travail by sea and land: or, A new survey of the West-India's. London, 1648.
- GARCÍA ICAZBALCETA, JOAQUÍN, edit. Colección de documentos para la historia de México. 2 vols. Mexico, 1858-66.
- GARCÍA ICAZBALCETA, JOAQUÍN, edit. Nueva colección de documentos para la historia de México. 5 vols. Mexico, 1886-92.
- GOMARA, FRANCISCO LÓPEZ DE. La historia general de las Indias, . . . y la conquista de México y de la Nueva España. Antwerp, 1554.
- Historia de los Mexicanos por sus pinturas. In Joaquín García Icazbalceta: Nueva colección de documentos para la historia de México, Vol. 3, pp. 228-263. Mexico, 1891.
- History of the Mexican nation described in pictures. . . . In Samuel Purchas: Hakluytus posthumus, or Purchas his pilgrimes [1625], Vol. 15, pp. 414-504. Glasgow and New York, 1906.
- ICAZBALCETA. See GARCÍA ICAZBALCETA.
- Interrogatorio para todas las ciudades, villas y lugares de españoles y pueblos de naturales de las Indias occidentales, islas y tierra firme; al qual se ha de satisfacer, conforme á las preguntas siguientes, habiéndolas averiguado en cada pueblo, con puntualidad y cuidado. In Colección de documentos inéditos . . . del Real Archivo de Indias, Vol. 9, pp. 58-79. Madrid, 1868. [The replies are given in the same volume.]
- IXTLILXOCHITL, FERNANDO DE ALVA. Cruautés horribles des conquérants du Mexique. In Henri Ternaux-Compans: Voyages, relations et mémoires originaux. Vol. 8, pp. 1-245. Paris, 1838.
- IXTLILXOCHITL, FERNANDO DE ALVA. Histoire des Chichimèques, ou des anciens rois de Tezcuco. *Ibid.*, Vols. 12-13. Paris, 1840.
- IXTLILXOCHITL, FERNANDO DE ALVA. Historia Chichimeca. In Lord Kingsborough: Antiquities of Mexico, Vol. 9, pp. 197-468. London, 1848.
- IXTLILXOCHITL, FERNANDO DE ALVA. Obras históricas . . . publicadas y anotadas por Alfredo Chavero. 2 vols. Secretaría de Fomento, Mexico, 1891-92.
- KINGSBOROUGH, VISCOUNT. Antiquities of Mexico. 9 vols. London, 1830-48.
- LÓPEZ DE COGOLLUDO, DIEGO. Historia de Yucatán. Sácala á luz el M. R. P. Fr. Francisco de Ayeta. Madrid, 1688; Mérida, 1867.

- MONTUFAR, ALONZO DE. Supplique adressée par l'archevêque de Mexico à Charles V, en faveur des Maceüales, Nouvelle-Espagne, 1554. In Henri Ternaux-Compans: Voyages, relations et mémoires originaux, Vol. 8, pp. 255-260. Paris, 1838.
- MOTOLINÍA, TORIBIO DE BENAVENTE. Historia de los Indios de la Nueva España. In Joaquín García Icazbalceta: Colección de documentos para la historia de México, Vol. 1, pp. 1-249. Mexico, 1858.
- MOTOLINÍA, TORIBIO DE BENAVENTE. Historia de los Indios de la Nueva España. Sácalos nuevamente á luz el R. P. Fr. Daniel Sánchez García. Barcelona, 1914.
- OVIDIO Y VALDÉS, GONZALO FERNÁNDEZ DE. Historia general y natural de las Indias. [1535.] 4 vols. Madrid, 1851-55.
- Pétition adressée à Charles V par plusieurs chefs mexicains, Mexico, 1552. In Henri Ternaux-Compans: Voyages, relations et mémoires originaux, Vol. 8, pp. 261-269. Paris, 1858.
- POMAR, JUAN BAUTISTA. Relación de Tezcoco. [1582.] In Joaquín García Icazbalceta: Nueva colección de documentos para la historia de México, Vol. 3, pp. 1-69. México, 1891.
- PURCHAS, SAMUEL. Hakluytus postumus, or Purchas his pilgrimes [1625]. 20 vols. Glasgow and New York, 1905-07.
- RAMÍREZ DE FUENLEAL, SEBASTIÁN. Lettre . . . à sa majesté Charles V, 3 Novembre 1532. In Henri Ternaux-Compans: Voyages, relations et mémoires originaux, Vol. 10, pp. 243-257. Paris, 1838. [This letter, written by the president of the Audiencia, who desired to preserve the institutions of the Aztecs, is one of the best sources of information regarding the land system of the early Mexicans.]
- ROMÁN Y ZAMORA, JERÓNIMO. Repúblicas de Indias, idolatrías y gobierno en México y Perú. Según la edición de 1575. 2 vols. (Colección de libros . . . que tratan de América, Vols. 14-15.) Madrid, 1897.
- SAHAGÓN, BERNARDINO DE. Historia general de las cosas de Nueva España. Dada á luz con notas y suplementos Carlos María de Bustamente. 3 vols. Mexico, 1829-30. Also in Lord Kingsborough: Antiquities of Mexico, Vols. 5 and 7. London, 1830.
- SOLÓRZANO PEREIRA, JUAN DE. Política indiana. 2 vols. Madrid, 1776. [First published 1629.]
- TERNAUX-COMPANS, HENRI, edit. Voyages, relations et mémoires originaux pour servir à l'histoire de la découverte de l'Amérique. 20 vols. Paris, 1837-41.
- TORQUEMADA, JUAN DE. Monarchía Indiana, con el origen y guerras de los Indios Occidentales, de sus poblaciones, descubrimiento, conquista. [c. 1589-1600.] Madrid, 1723.
- VETANCURT, AGUSTÍN DE. Teatro Mexicano: Descripción breve de los sucesos exemplares, históricos, políticos, militares, y religiosos del nuevo mundo occidental de las Indias. Mexico, 1698 [1697]; Mexico, 1870.

- ZORITA, ALONSO DE. Breve y sumaria relación de los señores y maneras y diferencias que había de ellos en la Nueva España. . . . In Joaquín García Icazbalceta: Nueva colección de documentos para la historia de México, Vol. 3, pp. 71-227. Mexico, 1891. [On the Vida y escritos del Doctor Alonso de Zorita (also written Zurita and Çorita), see introduction by Manuel Serrano y Sanz to Zorita's "Historia de la Nueva España," Vol. 1, Madrid, 1909 (Colección de libros y documentos referentes á la historia de América, Vol. 9).]
- ZORITA, ALONSO DE. Rapport sur les différentes classes de chefs de la Nouvelle-Espagne, sur ses lois, les mœurs des habitants, sur les impôts établis avant et depuis la conquête. In Henri Ternaux-Compans: Voyages, relations et mémoires originaux, Vol. 11. Paris, 1840.

(b) *Later writings*

- BANCROFT, HUBERT HOWE. The native races of the Pacific states of North America. 5 vols. New York, 1875-76.
- BANDELIER, ADOLPH FRANCIS ALPHONSE. On the art of war and mode of warfare of the ancient Mexicans. *Repts. Peabody Museum of Amer. Archaeology and Ethnology, Harvard University*, [2d edit.], Vol. 2, 1876-79, pp. 95-161. Cambridge, Mass., 1880.
- BANDELIER, ADOLPH FRANCIS ALPHONSE. On the distribution and tenure of lands, and the customs with respect to inheritance among the ancient Mexicans. *Ibid.*, pp. 385-448.
- BANDELIER, ADOLPH FRANCIS ALPHONSE. On the social organization and mode of government of the ancient Mexicans. *Ibid.*, pp. 557-699. [For a summary and criticism of Bandelier's results, see Waterman, below.]
- BRASSEUR DE BOURBOURG, CHARLES ÉTIENNE. Histoire des nations civilisées du Mexique et de l'Amérique-Centrale durant les siècles antérieurs à Christophe Colomb. 4 vols. Paris, 1857-59.
- CHAUVERO, ALFREDO. Historia antigua y de la conquista. In Vicente Riva Palacio and others: México á través de los siglos, Vol. 1. Mexico, [1887.]
- DOPORTO Y UNCILLA, SEVERIANO. Tabasco en la época precolombiana. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 1, 1902, pp. 466-500, 525-546.
- FANCOURT, CHARLES SAINT JOHN. The history of Yucatan from its discovery to the close of the seventeenth century. London, 1854.
- FARRAND, LIVINGSTON. Basis of American history: 1500-1900. (The American nation: A history, Vol. 2.) New York, 1904.
- GIL, HILARIÓN ROMERO. Historia antigua de México: Memoria sobre el estado social y moral que tuvieron los Mexicanos bajo el imperio Azteca, y su organización bajo el gobierno colonial. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 2, Vol. 1, 1869, pp. 257-264, 313-320, 427-432, 478-486.

- GIL, HILARIÓN ROMERO. Memoria sobre los descubrimientos que los españoles hicieron en el siglo XVI en . . . Nueva Galicia, reinos y cacicazgos que contenía, su población, religión, gobierno, lenguas, costumbres y origen. *Bol. Soc. Mexicana de Geogr. y Estadística*, Vol. 8, 1860, pp. 474-501.
- JOYCE, THOMAS ATHOL. Mexican archaeology. (Handbooks to ancient civilizations.) New York, 1914.
- LEHMANN, WALTER. Methods and results in Mexican research. Originally published in the *Archiv für Anthropologie*, Vol. 6, 1907, pp. 113-168. Transl. . . . by Seymour de Ricci. Paris, 1909.
- MORGAN, LEWIS HENRY. Ancient society. New York, 1877.
- QUIJADA, ENRIQUE. Habitantes primitivos de Sonora. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 4, Vol. 3, 1894, pp. 29-38.
- RADIN, PAUL. The sources and authenticity of the history of the ancient Mexicans. *Univ. of California Publ. in Amer. Archaeology and Ethnology*, Vol. 17, pp. 1-150. Berkeley, 1920.
- SELER, EDUARD, and others. Mexican and Central American antiquities, calendar systems, and history. *Bur. of Amer. Ethnology Bull.* 28. Washington, 1904.
- SPENCE, LEWIS. The civilization of ancient Mexico. (The Cambridge manuals of science and literature.) Cambridge, 1912.
- SPINDEN, HERBERT JOSEPH. Ancient civilizations of Mexico and Central America. (American Museum of Natural History: Handbook Series No. 3.) New York, 1917.
- VALDÉS, LUIS B. Breves apuntes sobre el territorio, gobierno, legislación y costumbres del antiguo reino de Michoacán. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 7, 1914, pp. 397-406.
- WATERMAN, THOMAS TALBOT. Bandelier's contribution to the study of ancient Mexican social organization. *Univ. of California Publ. in Amer. Archaeology and Ethnology*, Vol. 12, pp. 249-282. Berkeley, 1917. [Sources cited by Bandelier, pp. 277-282.]

COLONIAL PERIOD

(a) Sources and earlier writings

- ANTONELI, ANTONIO DE. Documentos históricos, año de 1793. Descripción topográfico-histórica de la Villa de Santiago Papasquiari. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 2, Vol. 2, 1870, pp. 333-343.
- BELEÑA, EUSEBIO BENTURA. Recopilación sumaria de todos los autos acordados de la real audiencia y sala del crimen de esta Nueva España. 2 vols. Madrid, 1787.

- DIEZ DE LA CALLE, JUAN. Memorial y noticias sacras y reales del imperio de las Indias Occidentales. [Madrid,] 1646.
- FONSECA, FABIÁN DE, and CARLOS DE URRUTIA. Historia general de la real hacienda. [1791.] 6 vols. Mexico, 1845-53.
- GÁLVEZ, JOSÉ DE, MARQUÉS DE SONORA. Informe general . . . al excmo. sr. virrey frey D. Antonio Bucarely y Ursúa, con fecha de 31 de diciembre de 1771. Sección de Fomento del Ministerio de Gobernación, Mexico, 1867.
- HUMBOLDT, ALEXANDER VON. Political essay on the kingdom of New Spain. . . . Transl. by John Black. 4 vols. London, 1811.
- Instrucciones que los vireyes de Nueva España dejaron á sus sucesores. 2 vols. (Biblioteca histórica de la Iberia, Vols. 13-14.) Mexico, 1873.
- LEÓN PINELO, ANTONIO. Tratado de confirmaciones reales de encomiendas. Madrid, 1630.
- LÓPEZ DE VELASCO, JUAN. Geografía y descripción universal de las Indias, recopilada por el cosmógrafo-cronista . . . desde el año de 1571 al de 1574, publicada por primera vez en el Boletín de la Sociedad Geográfica de Madrid . . . por don Justo Zaragoza. Madrid, 1894.
- MANIAU TORQUEMADA, JOAQUÍN. Compendio de la historia de la real hacienda de Nueva España escrito en el año de 1794, con notas y comentarios de Alberto María Carreño. Soc. Mexicana de Geogr. y Estadística, Mexico, 1914.
- NAVARRO Y NORIEGA, FERNANDO. Memoria sobre la población del reino de Nueva-España. [1814.] *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 2, Vol. 1, 1869, pp. 281-291.
- Recopilación de leyes de los reynos de las Indias. 3rd edit. 4 vols. Madrid, 1774.
- REVILLA GIGEDO, JUAN VICENTE, CONDE DE. Instrucción reservada que el conde de Revilla Gigedo dió á su sucesor en el mando sobre el gobierno de este continente en el tiempo que fue su virey. [1794.] Mexico, 1831.
- SEDANO, FRANCISCO. Noticias de México [1800], con un prólogo del sr. don Joaquín García Icazbalceta. 2 vols. México, 1880.
- (See also above, under "Pre-Conquest Period, (a),"
Casas, Hernando Cortés,
Díaz del Castillo, Gage, Solórzano, Pereira, Torquemada.)

(b) *Later writings*

- BANCROFT, HUBERT HOWE. History of the Pacific States of North America. San Francisco, 1882-90. [See Vols. 1-5: The native races, 1882; Vols. 9-14: History of Mexico, 1883-87; Vols. 15-16: History of the north Mexican states and Texas, 1884-89; Vol. 17: History of Arizona and New Mexico, 1889; Vols. 18-24: History of California, 1884-90; Vol. 34: California pastoral, 1888; Vol. 35: California inter pocula, 1888.]

- BLACKMAR, FRANK WILSON. Spanish institutions of the Southwest. *Johns Hopkins Univ. Studies in Hist. and Polit. Sci.*, extra Vol. 10. Baltimore, 1891.
- BOLTON, HERBERT EUGENE. Texas in the middle eighteenth century: Studies in Spanish colonial history and administration. *Univ. of California Publ. in History*, Vol. 3. Berkeley, 1915.
- BOURNE, EDWARD GAYLORD. Spain in America, 1450-1580. (The American nation: A history, Vol. 3.) New York, 1904.
- FERNÁNDEZ DEL CASTILLO, FRANCISCO. Apuntes para la historia de san Angel (San Jacinto Tenanitla) y sus alrededores. Mexico, 1913.
- HELPS, SIR ARTHUR. The life of Hernando Cortés. 2 vols. London, 1871.
- HELPS, SIR ARTHUR. The Spanish conquest in America and its relation to the history of slavery and to the government of colonies. 4 vols.: London, 1855-61.
- MOSES, BERNARD. The establishment of Spanish rule in America. New York, 1898.
- OROZCO Y BERRA, MANUEL. Historia antigua y de la conquista de México. 4 vols. and atlas. Mexico, 1880.
- PRESCOTT, WILLIAM HICKLING. History of the conquest of Mexico. 3 vols. New York, 1843.
- RIVA PALACIO, VICENTE, and others. México á través de los siglos. 5 vols. Mexico and Barcelona, [1887-89].
- ROSCHER, WILHELM. The Spanish colonial system. Transl. and edit. by E. G. Bourne. New York, 1904.
- SIERRA, JUSTO, edit. Mexico, its social evolution. Transl. by G. Sentifión. 3 vols. Mexico and Barcelona, 1900-04.
- SIERRA, JUSTO, edit. México, su evolución social. 3 vols. Mexico and Barcelona, 1900-01.
- STEVENS, HENRY, and F. W. LUCAS, edits. The New Laws of the Indies for the good treatment and preservation of the Indians, promulgated by the Emperor Charles the Fifth, 1542-1543. A facsimile reprint of the original Spanish edition, together with a literal translation into the English language, to which is prefixed an historical introduction by the late Henry Stevens of Vermont and F. W. Lucas. London, 1895. [The introduction by Henry Stevens contains one of the best accounts in English of the *encomiendas* and the early attempt to abolish them.]
- TRUEBA Y COSÍO, JOAQUÍN TELÉSFORO. Life of Hernan Cortés. Edinburgh, 1829. [Gives some information regarding the establishment of the Spanish land system in Mexico.]
- TWITCHELL, RALPH EMERSON. The Spanish archives of New Mexico. 2 vols. [Cedar Rapids, Iowa,] 1914.

GENERAL COLLECTIONS OF LAND LAWS

- GALVÁN RIVERA, MARIANO. Ordenanzas de tierras y aguas. 5th edit. Mexico, 1855.
- LABÁSTIDA, LUIS G. Colección de leyes, decretos, reglamentos, circulares, órdenes y acuerdos relativos á la desamortización de los bienes de corporaciones civiles y religiosas y á la nacionalización de los que administraron las últimas. Mexico, 1893.
- MAZA, FRANCISCO F. DE LA. Código de colonización y terrenos baldíos de la República Mexicana, años de 1451 á 1892. Mexico, 1893.
- OROZCO, WISTANO LUIS. Legislación y jurisprudencia sobre terrenos baldíos. 2 vols. Mexico, 1895. [Includes the legislation regarding public lands from the earliest colonial times to 1894.]
- [REYNOLDS, MATTHEW GIVENS.] Spanish and Mexican land laws: New Spain and Mexico. St. Louis, 1895.
- VILLAMAR, ANICETO. Las leyes federales vigentes sobre tierras, bosques, aguas, ejidos, colonización y el gran registro de la propiedad; 2nd edit. . . . con una reseña histórica de la propiedad territorial en México, por el lic. S. Moreno Cora. (Colección de códigos y leyes federales.) Mexico, 1910.

NATIONAL PERIOD

I. 1821-1876

- BUTTERFIELD, CARLOS. United States and Mexico. New York, 1860; 2nd edit. New York, 1861.
- CHURCH, GEORGE EARL. Mexico, its revolutions: Are they evidences of retrogression or of progress? New York, 1866.
- Código de la Reforma, 6 colección de leyes, decretos, y supremas órdenes expedidas desde 1856 hasta 1861. Mexico, 1861.
- Colección de acuerdos, órdenes y decretos sobre tierras, casas y solares de los indígenas, bienes de sus comunidades y fundos legales de los pueblos del estado de Jalisco. Guadalajara, 1868-82.
- ESCOBAR, SEBASTIÁN. Informe de los recursos agrícolas del departamento de Soconusco. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 2, Vol. 3, 1871, pp. 87-92.
- GARCÍA GRANADOS, RICARDO. La Constitución de 1857 y las leyes de reforma en Mexico. Mexico, 1906.
- MAYER, BRANTZ. Mexico: Aztec, Spanish, and republican. 2 vols. Hartford, 1852.
- MOSES, BERNARD. Constitution of the United States of Mexico [1857]. *Annals Amer. Acad. of Polit. and Soc. Sci.*, Vol. 2, pp. 1-47. Philadelphia, 1891.
- OTERO, MARIANO. Ensayo sobre el verdadero estado de la cuestión social y política que se agita en la República Mexicana. Mexico, 1842.

- [PARRA, PORFIRIO.] Estudio histórico-sociológico sobre la reforma en México. Mexico, 1905; Guadalajara, 1906.
- PAYNO, MANUEL. Razas indígenas: Rancherías de la Sierra Madre. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 2, Vol. 1, 1869, pp. 496-505.
- PIMENTEL, FRANCISCO. La economía política aplicada á la propiedad territorial en México. Mexico, 1866.
- PIMENTEL, FRANCISCO. Memoria sobre las causas que han originado la situación actual de la raza indígena de México. Mexico, 1864.
- [POINSETT, JOEL ROBERTS.] Notes on Mexico, made in the autumn of 1822. Philadelphia, 1824.
- ROSA, LUIS DE LA. Observaciones sobre varios puntos concernientes á la administración pública del estado de Zacatecas. Baltimore, 1851.
- SIERRA, JUSTO. Juárez, su obra y su tiempo. Mexico, 1905-06.
- TORRE, LEÓN ALEJO. Tabasco y su agricultura. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 3, Vol. 1, 1873, pp. 465-476.
- VIGIL, JOSÉ MARÍA. La reforma. [1855-1867.] In Vicente Riva Palacio and others: México á través de los siglos, Vol. 5. Mexico and Barcelona, [1889].

2. 1876-1921

- ATL. —. The Mexican revolution and the nationalization of the land, the foreign interests and reaction, by Doctor Atl. [Mexican Bureau of Information,] New York, 1915.
- BAERLEIN, HENRY. Mexico, the land of unrest. London, [1913].
- BALAREZO, MANUEL. Baja California: Proyecto de colonización regional en relación con el sistema agrario de la Nueva Zelandia. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 7, 1914, pp. 331-345, 361-383.
- BANCROFT, HUBERT HOWE. Resources and development of Mexico. San Francisco, 1893.
- BARRETT, JOHN. Mexico: A review and a forecast. The Pan American Union, Washington, D. C., 1917.
- BRINSMADE, ROBERT BRUCE. El latifundismo mexicano, su origen y su remedio. Traducida del inglés por I. F. Iñiguez. Mexico, 1916.
- BRINSMADE, ROBERT BRUCE, and MODESTO C. ROLLAND. Mexican problems. [New York, 1916.] [See Brinsmade's articles: The land question in Mexico, The history of the Mexican land question.]
- BROCKLEHURST, THOMAS UNETT. Mexico to-day. London, 1883.
- BULNES, FRANCISCO. The whole truth about Mexico: President Wilson's responsibility. New York, 1916.
- BUSTO, EMILIANO. Estadística de la República Mexicana sobre el estado que guardan la agricultura, industria, minería y comercio. 3 vols.

- Mexico, 1880. [The third volume contains descriptions of rural properties sent in response to a questionnaire circulated by the Secretaría de Hacienda in 1877.]
- CABANAS, LAMBERTO. Reflexiones sobre economía rural. *Escuela Nacional de Agric.*, 1885, No. 14. Mexico.
- CARREÑO, ALBERTO MARÍA. La evolución económica de la raza indígena. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 5, 1912, pp. 59-76.
- CARREÑO, ALBERTO MARÍA. La raza indígena. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 5, 1912, pp. 304-328; Vol. 6, 1913, pp. 174-194, 235-242, 344-358, 396-406, 451-462, 512-516, 545-558; Vol. 7, 1914, pp. 98-102.
- CASTILLO, JOSÉ R. DEL. Historia de la revolución social de México. Mexico, 1915.
- CHIMALPOPOCA, A. A. Anexo á la iniciativa sobre la cuestión agraria. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 4, Vol. 2, 1890, pp. 715-721.
- CHIMALPOPOCA, A. A. La cuestión agraria nacional. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 4, Vol. 2, 1890, pp. 559-571.
- CORREA, V. M. A los hacendados yucatecos. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 4, Vol. 3, 1894, pp. 26-28.
- DABNEY, CHARLES WILLIAM. A star of hope for Mexico. [New York, 1916.]
- DOMÍNGUEZ, ZEFERINO. The trouble in Mexico and its only solution. [San Antonio, Tex., 1914.]
- ENOCK, C. REGINALD. Mexico: Its ancient and modern civilization, history and political conditions. . . . (The South American series, edit. by Martin Hume.) London, 1909.
- ESCOBAR, RÓMULO. El problema agrario. El Paso, Tex., 1915.
- GARCÍA CUBAS, ANTONIO. Cuadro geográfico, estadístico, descriptivo é histórico de los Estados Unidos Mexicanos. Mexico, 1884.
- GARCÍA CUBAS, ANTONIO. The republic of Mexico in 1876. Mexico, 1876.
- GARCÍA GRANADOS, ALBERTO. La influencia de las cajas rurales de crédito mutuo á favor del fraccionamiento de la propiedad territorial. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 4, 1910, pp. 269-277.
- GAYOL, ROBERTO. Dos problemas de vital importancia para México: La colonización y el desarrollo de la irrigación. Mexico, 1912.
- GONZÁLEZ ROA, FERNANDO. El aspecto agrario de la Revolución Mexicana. Mexico, 1919.
- GONZÁLEZ ROA, FERNANDO. The Mexican people and their detractors. New York, [1916?].
- GUTIÉRREZ DE LARA, LÁZARO, and EDGUMB PINCHON. The Mexican people: Their struggle for freedom. Garden City, N. Y., 1914.

- HANNA, PAUL. Mexico—1921: Restoring the land to the people. *Nation*, Vol. 112, 1921, pp. 532-534. New York.
- INDA, MANUEL. Dictamen sobre la cuestión de terrenos baldíos presentado á la Secretaría de Fomento. Secretaría de Fomento, Mexico, 1885.
- Land question, The, at Aguascalientes. *New Republic*, Vol. 1, 1914, pp. 10-11. New York.
- LANE, FRANKLIN KNIGHT. The president's Mexican policy. . . . Reprinted from *New York World*, July 16, 1916. New York, 1916.
- LÓPEZ BANCALARI, IGNACIO. Las fuentes de irrigación de la República. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 8, 1919, pp. 299-317.
- LUBIN, DAVID. Reply to a communication from H. E. O. Molina, minister of agriculture of Mexico. [Rome, 1911.]
- MACHUGH, ROBERT JOSEPH. Modern Mexico. London, [1914.]
- MANERO, ANTONIO. El antiguo régimen y la revolución. Mexico, 1911.
- MANERO, ANTONIO. ¿Qué es la revolución? Breve exposición sobre las principales causas de la revolución constitucionalista en México. Vera Cruz, 1915.
- MANERO, VICENTE E. Documentos interesantes sobre colonización. Mexico, 1878.
- MAQUEO CASTELLANOS, ESTEBAN. Algunos problemas nacionales. Mexico, 1909.
- MASON, ALFRED BISHOP. The cause of revolution in Mexico. *Unpopular Review*, Vol. 3, 1915, pp. 379-387. New York.
- MELGAREJO, ANTONIO D. Los crímenes del zapatismo. Mexico, 1913.
- MIDDLETON, PHILIP HARVEY. Industrial Mexico: 1919 facts and figures. New York, 1919.
- MOLINA ENRÍQUEZ, ANDRÉS. Los grandes problemas nacionales. Mexico, 1909.
- MURGA, GONZALO DE. Atisbos sociológicos: El fraccionamiento de tierras. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 5, Vol. 6, 1913, pp. 474-497.
- OBER, FREDERICK ALBION. Travels in Mexico and life among the Mexicans. Boston, 1884.
- PREUST, OTTO. México y el problema obrero rural. Mexico, 1911.
- QUEVEDO, MIGUEL ANGEL DE. Algunas consideraciones sobre nuestro problema agrario. Mexico, 1916.
- REQUENA, PEDRO. La cuestión agraria nacional: Indicación de los medios que están al alcance de la República Mexicana, en sus actuales circunstancias, para promover el desarrollo de la agricultura y vencer las dificultades que se oponen á ello. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 4., Vol. 3, 1894, pp. 382-391.

- RIQUELME, FÉLIX. La cuestión agraria nacional: Tesis sobre los medios que pueden ponerse en práctica para el pleno desarrollo de la agricultura en México y obviar las dificultades especiales con que se tropieza. *Bol. Soc. de Geogr. y Estadística de la República Mexicana*, Ser. 4, Vol. 3, 1894, pp. 372-381.
- ROLLAND, MODESTO C. Revolutionary confederation: Conferences held at Veracruz, December 7th and 23rd. The agrarian question and practical means of solving the problem. Vera Cruz, [1914?].
- ROMERO, MATÍAS. Artículos sobre México publicados en los Estados Unidos de América . . . en 1891-1892. Mexico, 1892.
- ROMERO, MATÍAS. Geographical and statistical notes on Mexico. New York, 1898.
- ROMERO, MATÍAS. Mexico and the United States. New York, 1898.
- [SALA, ANTONOR.] El problema agrario en la República Mexicana. Mexico, 1912-14.
- SOUTHWORTH, JOHN R. El directorio oficial de las minas y haciendas de México: The official directory of mines and haciendas. Mexico, 1910.
- THOMPSON, WALLACE. The people of Mexico: Who they are and how they live. New York, [1921].
- TROWBRIDGE, EDWARD DWIGHT. Mexico to-day and to-morrow. New York, 1919.
- TURNER, JOHN KENNETH. Barbarous Mexico. Chicago, 1910.
- VELASCO, ALFONSO LUIS. Geografía y estadística de la República Mexicana. 19 vols. Mexico, 1889-97.
- WELLS, DAVID AMES. A study of Mexico. New York, 1887.
- WILFLEY, LEBBEUS R. The land problem in Mexico. *North American Review*, Vol. 203, 1916, pp. 867-870.
- WINTON, GEORGE BEVERLY. Mexico today: Social, political, and religious conditions. Nashville, Tenn., [1913].
- ZAYAS ENRÍQUEZ, RAFAEL DE. Los Estados Unidos Mexicanos: Sus condiciones naturales y sus elementos de prosperidad. Mexico, 1893.
- ZAYAS ENRÍQUEZ, RAFAEL DE. Los Estados Unidos Mexicanos: Sus progresos en veinte años de paz, 1877-1897. New York, [1899].

Laws

- Colección de leyes sobre tierras y disposiciones sobre ejidos, pub. por orden de la Secretaría de Fomento. Comprende del año de 1863 á 1912. Mexico, 1913.
- Colonization and naturalization laws of the Republic of Mexico, with amendments. Mexico, 1905.
- Legislación y guía de terrenos baldíos ó sea breve y completa colección de leyes . . . relativos á denuncia, adjudicación y colonización de terrenos baldíos. Mexico, 1878.

- Ley de 15 de diciembre de 1883 sobre colonización y su reglamento de 17 de julio de 1889. Secretaría de Fomento, Mexico, 1894.
- Ley de tierras de 26 de marzo de 1894 y sus reglamentos. Secretaría de Fomento, Mexico, 1896.
- Ley sobre ocupación y enajenación de terrenos baldíos de los Estados Unidos Mexicanos. Secretaría de Fomento, Mexico, 1894.
- Reglamento para los procedimientos administrativos en materia de terrenos baldíos y nacionales, excedencias y demasías, . . . Regulations for the administrative procedure concerning vacant, national, surplus and excess lands. . . . Transl. by William Thompson. Mexico, 1896.
- The public lands law of Mexico, authorized by Congress on the 26th of March, 1894. Corrected to October, 1900. Mexico, [1900].
- The public lands law of Mexico. Mexico, [1908].

Government Department Publications

- Comisión Nacional Agraria. *Boletín*.
- Congreso. *Diario oficial*.
- Dirección General de Agricultura. *Boletín*.
- Dirección General de Estadística. *Anuario estadístico; Boletín; Censo general; Cuadro sinóptico y estadístico*.
- Mexican year book, 1908-1914. . . . Issued under the auspices of the Department of Finance [of the Republic of Mexico]. London and New York, [1908-1914].
- Secretaría de Fomento. [*Anales; Boletín; Memoria; Boletín de la Sociedad Agrícola Mexicana; Revista agrícola*].
- Secretaría de Fomento. Disposiciones sobre designación y fraccionamiento de ejidos de los pueblos. Mexico, 1889.
- Secretaría de Fomento. Reglamento para la explotación de los bosques y terrenos baldíos y nacionales. Mexico, 1894.
- Secretaría de Hacienda. *Memoria de hacienda y crédito público*.

APPENDUM to "Pre-Conquest Period: (b) Lake Writings"

- Gamio, Manuel. La Población del Valle de Teotihuacán: El medio que se ha desarrollado, su evolución étnica y social. 2 vols in three. Dirección de Antropología, Secretaría de Agricultura y Fomento, Mexico, 1922.

INDEX

- Abad y Queipo, 65
 Acapulco, 64
Acazules, 137, 144
 Acosta, José de Salamán, 182
Agave americana, 22. *See also* Maguey
 Agrarian commissions, 161
 Agrarian corporations in 1854, 132
 Agrarian reform, 156
 Agrarian revolution, 157; distribution of land under present measures, 160; leaders, 159; opposition to present measures, 177; proposed national law, 170; recent laws bearing on reform, 167
 Agricultura y Fomento, Secretaría de, 170
 Agricultural land, 21; extent (table), 22
 Agricultural villages, 160
 Agriculturista, genuine, 84, 88
 Aguascalientes (state), 21, 22; rural holdings in 1910, 142
 Aguilera, J. G., 5
 Alamán, Lucas, 66
Alcaldía, 48
 Alcobiz, Andrés de, 116
 Allodial holdings, 93, 94
 Alluvium, 22; large estates on, near Lake Pátzcuaro (ill.), opp. 140
Atlapalatlí, 114, 124
 Alvarado, Pedro de, 48
 Alvarado, Salvador, 169
 Alvarado Tezósómoc, Fernando de, 182
 American Geographical Society, ix, x, xi, xii
 American opposition to land reform, 177
 Amunátegui y Solar, Domingo, 44, 60
 Antonelli, Antonio de, 187
 Apam, Llanos de, 36
Apercaría, 117
 Arable land. *See* Agricultural land
 Atenquique, opp. 16 (ill.), 18
 Atl. Dr., 191
 Atlitico, Valley of, 35, 46, 57; scene (ill.), opp. 36
 Atoyac, Río, 10
 Atasco, Duke of, 48
 Aztec empire, 44
 Aztec land system, 111, 117
 Baerlein, Henry, 191
 Baja California, 150; large land grants (map), 152; rural holdings in 1910, 151
 Bajío of Guanajuato, 10, 35, 39, 49, 55
 Balareso, Manuel, 191
Baldíos, 57, 72, 108; Law of Colonization and, 74
 Balsas, Río de las, 10, 15, 18
 Bancroft, Hubert Howe, 186, 188, 191
 Bandelier, Adolph Francis Alphonse, 112-119, 186
Barrancas, 18; on western escarpment of plateau (ill.), opp. 16
 Barrett, John, 191
Barrios, 113, 125, 135
 Beans, 83
 Beleña, Eusebio Bentura, 187
 Bibliography, 182; colonial period, 187; Government department publications, 195; laws, 194; national period, 190; pre-Conquest period, 182
 Blackmar, Frank Wilson, 189
Bolsones, 10, 21, 37, 44, 112
 Bolton, Herbert Eugene, 110, 189
 Boturini Benaduci, Lorenzo, 182
 Boundaries, 56, 115
 Bourne, Edward Gaylord, 189
 Bowman, Isaiah, xii
 Brasseur de Bourbourg, Charles Étienne, 186
Brass, 116
 Brinsmade, Robert Bruce, 191
 Brocklehurst, Thomas Unett, 191
 Buenavista (hacienda), 27
 Bulnes, Francisco, 143, 191
 Busto, Emiliano, 191
 Butterfield, Carlos, 190

Caballerías, 50, 108
 Cabanas, Lamberto, 192
 Cabrera, Luis, 159
Cacicazgos, 52
Cacicques, 1, 41, 44, 103, 113, 128, 138
 Caja de Préstamos, 160
 California, pueblos, 108
Calpizquiss, 128
Calpullis, 112, 127, 135; lands, 114; picture map, Indian, showing holdings (ill.), opp. 116; public lands, 116

- Cárdenas y Espejo, Francisco de, 45
 Carranza, Venustiano, 159
 Carreño, Alberto María, 192
Casa de hacienda, 29, 33
 Casas, Bartolomé de las, 43, 50, 182
 Castilian towns, 106; as models, 107
 Castillo, José R. del, 192
 Cattle, 37; districts, 55; scene on an hacienda (ill.), opp. 29
 Cattle farms, 80; in 1810, 62, 63, 64
 Census of 1910, 139, 153
 Chachapalcingo, 68
 Chalco, 57
 Chapala, Lake, 141
 Chavero, Alfredo, 186
 Chiapas, 8; highlands, character, 16
 Chichimecas, 49
 Chiefs, Mexican, lands, 116, 120
 Chietla (ill.), opp. 21
 Chili, 83
 Chimalpopoca, A. A., 192
 Church, George Earl, 190
 Church holdings, 59. *See also* Ecclesiastical estates
 Cities, largest, location, 23
 Clans, 112, 129. *See also* *Calpulli*
 Clavigero, Francesco Saverio, 117, 182
 Climate, 5; list of works on, 10
 Coahuila, pueblos, 109
 Coffee, 37, 80
 Cofre de Perote, 17
 Colby, C. C., 8
 Colima, 26; hacienda, plan of a typical (map), 26; rural holdings in 1910, 144
 Collective holdings, 103; abolition by the Reforma, 129; effect of land reform on, 175; typical country of (ill.), opp. 117; variations in early times, 117
 Colonial period, method of Spanish settlement, 108, 109
 Colonization, 75; attempts at, in outlying regions, 90
 Colonization, Law of, 74, 96
 Comisión Nacional Agraria, 161
 Common pasturage, 106
 Communal houses, 113
 Communal lands, 77; denouncement, 77; transformation to holdial, 92. *See also* Collective holdings
 Communism, 175, 176
 Comonfort, Ignacio, 69
Composiciones, 56, 61
Condueñazgos, 103
Congregaciones, 119, 125; distribution and number in 1854, 132
 Congress, 170
 Conquest, Spanish, 42; aim, 42
 Conquistador anónimo, El, 183
Conquistadores, 28; large land grants to, 48
 Constitution of 1857, consequences, 133
 Corn. *See* Maize
 Correa, V. M., 192
 Cortés, Hernando, 45, 183; land grants to (maps), 46, 47; mining properties, 48; on houses and villages, 113; on large holdings, 120; on tenants, 118; possessions, 48; religious endowments, 59, 60
 Cortés, Martín, 119, 128, 183
 Cossío, J. L., 73
 Cotton, 35; regions of production, 37
 Covarrubias, José, 10
 Crops, hacienda, 34; share as rent, 117
 Cuernavaca, outskirts (ill.), opp. 141
 Cuernavaca, Valley of, 46, 56
 Cultivation, wasteful, 39
 Dabney, Charles William, 192
 Debt, 169
 Deeds, 56
Dehesas, 106, 108, 110 (map), 111
Demasías, 74
 Democracy, 61, 133, 138, 174
Desamortización, 69, 130
 Díaz del Castillo, Bernal, 183
 Díaz régime, 72, 75, 81; conditions at end of, 139, 157, 158
 Díez de la Calle, Juan, 188
 Dirección General de Temporalidades, 62
 Domestic animals, introduction, 54
 Domínguez, Leferino, 158, 192
 Doporto y Uncilla, Severiano, 186
 Dry farming, 149
 Dual tenure, 170, 175
 Durán, Diego, 184
 Dwellings, small, 113
 Ecclesiastical estates, 59; confiscation of Jesuit estates, 61; distribution in the early republic, 67; nationalization, 70
 Echeverría y Veytia, Mariano Fernández de, 184
Eje volcánico, 18
Ejidó, 69, 92, 108, 110 (map), 111, 130, 136; assignment from hacienda (plan), 162; character, 106; division of an *ejido* into individual portions (plan), 163; extent, 124; land given to a pueblo as *ejido* (map), 164; number of towns receiving, under reform

- Ejid*os (continued)
 measures, 165, 166; restoration, recent, 161; transformation, 124
- El Oro, 86, 87
- Emigration, 32
- Empresario*, 107
- Encomiendas*, 43; abolition, 60; distribution in 1572, 53; duration, 49; entailed estates, 58; evolution, 45; geographical factor in the distribution, 54
- Enganchados*, 34
- Enock, C. Reginald, 192
- Entailed estates, 58; abolition, 67
- Erosion, 15; eastern escarpment, 17
- Escarpments, 16; eastern, 17; southern, 17; western, 18
- Escobar, Romulo, 192
- Escobar, Sebastián, 190
- Escudero, José Agustín de, 134
- Estancias*, 27
- Estancias de ganado*, 62, 63
- Estates, 58, 67. *See also* Haciendas
- European plants, 55
- Excedencias*, 74
- Falces, Marqués de, 123
- Fancourt, Charles Saint John, 186
- Fanegas de labor*, 51, 82
- Farms. *See* Rural holdings
- Farrand, Livingston, 186
- Fathom, 116
- Fernández del Castillo, Francisco, 189
- Feudal tenure, 120, 171, 175
- Fiefs, 120
- Fiske, John, 113, 122
- Fonseca, Fabián de, 57, 62, 188
- Foreign capitalists, 42, 72
- Foreigners, opposition to reform, 177
- Foreword, ix
- Foster, Alice, 6
- Fraccionamiento*, 168
- Freedom of *rancheros*, 101
- Frosts, 11, 85
- Fundo legal*, 124, 135
- Gage, Thomas, 184
- Galván Rivera, Mariano, 51, 190
- Gálvez, José de, 188
- Gamio, Manuel, xii; Foreword, ix, 195
- García Cubas, Antonio, 92, 192
- García Granados, Alberto, 192
- García Granados, Ricardo, 190
- García Icazbalceta, Joaquín, 11, 52, 113, 116, 183, 184, 185, 186
- Gayol, Roberto, 192
- Geography, land systems as related to, 178
- Gil, Hilarión Romero, 186, 187
- Gomara, Francisco López de, 184
- González Roa, Fernando, 42, 65, 75, 125, 192
- Government department publications, 195
- Gran Registro de la Propiedad, 77
- Grazing, 38
- Guadalajara, Valley of, 21, 22
- Guadalupe (ill.), opp. 10
- Guanajuato, 21, 22; Bajío of, 10, 35, 39, 49, 55; large land grant, 49
- Gulf Coast, 19
- Gutiérrez de Lara, Lázaro, 192
- Guzmán, José, 10
- Hacendados*, 25; groups opposed to reform, 177; labor recruiting, 137; manner of life, 29, 40
- Haciendas, 25; *caballerías*, 50; cattle, bringing in (ill.), opp. 29; detachment of portions under recent reforms, for *ejidos* (map), 162; distribution in 1810, 63; economic value, 38; *encomiendas*, 43; extent, 25; *hacendados*, 28; history, 42; Indian pueblos versus, 126; lands, 25; national place, 40; number and distribution by states, in 1910, 77; origin and history, 42; owner's house and garden (ill.), opp. 28; *peonías*, 50; peon's hut (ill.), opp. 28; peons, 30; peons cultivating a field (ill.), opp. 29; people, 27; plan of a typical hacienda in Colima (map), 26; products, 34; reform measures, probable effect of, 173; *repartimientos*, 43; social value, 40; system at present, 81; various origins, 52. *See also* Large estates
- Hann, Julius, 10
- Hanna, Paul, 193
- Helps, Sir Arthur, 189
- Henderson, G. F., 92
- Henequén*, 35, 36
- Heredades*, 114
- Hidalgo, 9, 22
- Hidalgo y Costilla, Miguel, 66
- Highlands, 6
- Homesteads, 74, 84, 93
- Hospital de Jesús Nazareno, 59-60
- Household manufactures, 115
- Houses, small, 113
- Huaracha (hacienda), 27
- Huebra*, 51
- Huejotzingo, 35, 57

- Huejutla, 57
 Huerta, Adolfo de la, 159, 165
 Humboldt, Alexander von, 11, 31, 32, 39, 65, 68, 188
 Huntington, Ellsworth, 10
- Ibáñez, Blasco, 40
 Icazbalceta. *See* García Icazbalceta
 Iguala, Plan de, 66
 Inda, Manuel, 193
 Independence. *See* War for Independence
 Indian picture map (ill.), opp. 116
 Indian pueblos, 98, 111; blending with Spanish villages, 127; haciendas versus, 126; loss of communal lands, 134; neglect to confirm lands, 125; Reforma and, 134; reorganized on Spanish basis, 123. *See also* Pueblos
 Indians, 43; agricultural settlement (ill.), opp. 113; communal lands, 58; freedom, 61; inclination to agriculture, 180; large holdings in early times, 118; legal equality, 67; methods of land tenure, 110; misunderstanding of land legislation, 135; neglect to record lands, 77; property ideas, 58, 97, 134, 175; *rancheros* and, 83; settlement showing small holdings (ill.), opp. 112; small holdings, 115; spoliation, 66; subordinate tenure, 158
 Individual holdings, 136, 153; irrigation and, 178, 179; Reforma legislation, 129, 133
 Inequality, 65
 Introduction, 1
 Irrigation, 11, 42, 75, 80, 99, 114, 147, 148; individual holdings and, 178
 Iturbide, Agustín de, new land régime, 66
 Ixtaccihuatl, 18
 Ixtlilxochitl, Fernando de Alva, 120, 184
- Jal.*
 Jalisco, 7, 10, 22, 55
 Jaramillo, Juan, 48, 49
 Jenkins, W. O., 52
 Jesuits, 60; confiscation of estates of, 61
 Joerg, W. L. G., xii
 Joint ownership, 103. *See also* *Condueñasgos*
 Joyce, Thomas Athol, 187
 Juárez, Benito Pablo, 41, 70, 74, 90, 133, 171; agrarian reforms, 92, 94; allotment in severalty, 130
 Kancab, 164
 Kings, lands cultivated for, 116
 Kingsborough, Lord, 182, 184
 Kinship groups, 112, 127, 129
- La Puerta de Medina (*ranchería*), 86
 Labástida, Luis G., 68, 69, 70, 71, 135, 190
 Labor, 30; conditions, 30, 34; emigration, 32; migration into the United States, 85; on ranchos, 84; pueblos and, 137. *See also* Peons
 Laguna district, 80
 Land, ix, 2, 25; encroachments, 126; monopoly under Díaz, 72; problem, regions affected, 24; problem, relation to national life, 172; productivity, 39; registry, 77; speculation in, 72, 73, 80; struggle for, 24; tenure, Indian methods, 111; titles, 56; titles to ranchos, 85; unequal distribution, 153. *See also* Haciendas; Rural holdings
 Land grants, 43, 48, 50; standards, 51. *See also* *Encomiendas*
 Land system, 1; antiquity, 2; geographical and historical study, 2; proposed system as related to geographical conditions, 178
 Landholders, 28; communal, 137; general estimate of number of, 153. *See also* *Hacendados*
 Landholding towns, 104
 Landholdings, general statistics, 154
 Landless class, 153, 155, 158
 Landmarks, 115
 Landowners, 28; domination, 41; typical, 29, 40. *See also* *Hacendados*
 Lane, Franklin Knight, 193
 Large estates, 25, 59; distribution in 1810, 62, 63; Michoacán, law to break up, 167; near Lake Pátzcuaro (ill.), opp. 140; number in certain states in 1910, 79; renewed monopoly under Díaz, 72. *See also* *Encomiendas*;
 Haciendas
Lati fundia, 42, 155, 169, 174, 180
 Laurel (ill.), opp. 117
 Lava flows, 22
 Law of colonization, 74, 96
 Laws, collections of, 194
 League, Spanish, 124
 Lehmann, Walter, 187
 León Pinelo, Antonio, 43, 49, 52, 188
 Lerma River, 9, 86
 Libro Rojo, 57
 Literature, 182

- Littoral, western, 20
 Live stock, 38
 Llanos de Apam, 36
 Local government, 137-138
 López Bancalari, Ignacio, 193
 López de Cogolludo, Diego, 184
 López de Velasco, Juan, 48, 53, 55, 113, 188
 Lower California. *See* Baja California
 Lubin, David, 193
 Lucas, F. W., 50, 189
 Lyon, G. F., 64
- Maceguales*, 115, 118, 119, 128
 MacHugh, Robert Joseph, 193
 Madero, Francisco, 157, 159
 Magdalena, Hacienda de la (map), 26
 Maguey, 22, 36; fields near Mexico City (ill.), opp. 37
 Maize, 23, 35, 145
 Malaria, 19
 Malintzin, 18
 Maltrata, 17
 Maltrata, Valley of, Indian settlement (ill.), opp. 112
 Man on horseback, 40
 Manero, Antonio, 193
 Manero, Vicente E., 193
 Maniau Torquemada, Joaquín, 57, 60, 188
 Maqueo Castellanos, Esteban, 193
 Mason, Alfred Bishop, 193
 Maximilian, Emperor, 41, 71
 Mayas, 112
Moyagues, 52, 118, 120, 121, 122
 Mayer, Brantz, 190
Mayordomos, 48, 59, 65; abolition, 67
Mayordomos, 27, 28, 29, 155
 Maza, Francisco F. de la, 73, 94, 113, 124, 190
 Measure, Indian land, 116
 Melchor de Jovelhanos, Gaspar, 60
 Melgarejo, Antonio D., 193
 Mendoza, Antonio de, 123
Merced, 51
 Mesa Central, 6; Atlixco Valley and wheat fields (ill.), opp. 36; climate, 10; communal system in, 167; land struggle, extent, 24; maguey fields (ill.), opp. 37; physical geography, 9; representative states: their rural lands in 1910, 139; settlement, 23; Spaniards in, 44
 Mesa del Norte, 8, 14
 Mesa del Sur, 8, 15; large estates (ill.), opp. 140
Mesta, 37
 Mestizos, 30, 71, 89, 129, 133, 134; position, 153; as *vaqueros*, 83
 Mexican Congress, 170
 Mexican pueblos, 129
 Mexicans, 66; backwardness of rural life, 1; typical rural, 83, 84
 México (state), 21, 22; land grants to Cortés (map), 46; rural holdings in 1910, 139
 Mexico, Valley of, 7; from Guadalupe (ill.), opp. 10; northern portion (ill.), opp. 11
 Mexico City, 11
 Michoacán, 9, 21, 22, 55; law of March 5, 1920, 167; rural holdings in 1910, 140
 Middle class, 101, 102, 133
 Middleton, Philip Harvey, 193
 Migrations, 128
 Mill, Nicholas, 66
Múpa, 32
 Mineral deposits, 54
 Mines, 55
 Mining towns, 105
 Missions, 108
 Molina Enríquez, Andrés, 28, 39, 40, 42, 104, 125, 156, 193
 Monasteries, 59
Monjes, 107
 Montezuma, Emperor, 60, 120, 123
 Montufar, Alonzo de, 185
 Morelia, Valley of, 21, 22
 Morelos (state), 22; land grants to Cortés (map), 46; rural holdings in 1910, 142
 Morelos, Valley of, scene (ill.), opp. 141
 Morgan, Lewis Henry, 113, 122, 187
 Mortgages, 68
 Moses, Bernard, 72, 189, 190
 Motolinía, Toribio de Benavente, 185
 Mountain pasture in central Mexico (ill.), opp. 16
 Murga, Gonzalo de, 193
- Nacionales*, 74
 Nahuas, 112
 National agrarian law, 170
 Nationalization of church property, 70
 Natural regions, 5; map of natural regions, 8
 Natural resources, 42
 Navarro y Noriega, Fernando, 48, 62, 80, 130, 188
 Naxas River, 37
 New Laws of the Indies, 50
 New Mexico, pueblos, 109
 Nordhoff, Charles, 151

- Nuevo León, 31, 95
- Oaxaca, 16, 46
- Oaxaca (state), 15, 56; agricultural district (ill.), opp. 146; land grants to Cortés (map), 47; rural holdings in 1970, 145; small farm in the hills (ill.), opp. 147
- Ober, Frederick Albion, 193
- Obregón, Alvaro, 159, 165
- Ogilvie, A. G., xii
- O'Higgins, Ambrosio, 60
- Oil, 19, 146
- Oil lands, ownership question, 146
- Ordóñez, Ezequiel, 6
- Orizaba, 17; view (ill.), opp. 20
- Orozco, Wistano Luis, 190
- Orozco y Berra, Manuel, 189
- Otero, Mariano, 190
- Overlordship, 45, 118; Texcoco, 120
- Oviedo y Valdés, Gonzalo Fernández de, 185
- Oxen, 85
- Ozumba, 55
- Pánuco, 57
- Papaloapam, Río, 15, 18
- Parra, Porfirio, 191
- Pastoral colonies, 109
- Pastos comunes*, 106
- Pasturage, 38; common, 106
- Patrón*, 1
- Pátzcuaro, Lake, 35, 56, 141; large estates near (ill.), opp. 140
- Payno, Manuel, 191
- Peasants, bound to the soil, 118
- Peón*, 1
- Peonías*, 50, 88, 108
- Peons, 30, 58, 180; economic bondage, 30; holding for debt, 169; homes, 33; prerequisites, 32; position, 30; relation to patrons, 118, 119, 121; wages, 31
- Perfect number, 116
- Personal service, 170, 171
- Petroleum. *See* Oil
- Peust, Otto, 193
- Pimentel, Francisco, 127, 191
- Pinchon, Edgumb, 192
- Place units, 113, 127
- Plan de Iguala, 66
- Plateau, 8
- Plows, 54, 85
- Poinsett, Joel Roberts, 31, 32, 191
- Political system, 3
- Pomar, Juan Bautista, 185
- Popocatepetl, 18
- Population, distribution (map), 12
- Ports, 105
- Precipitation. *See* Rainfall
- Preface, xi
- Presas*, 14, 179
- Prescott, William Hickling, 189
- Presidios*, 108
- Productivity of land, 39
- Products, large-farm, 35
- Property, assessed value of rural (map), 13
- Property owners, 102
- Propios*, 106, 108, 110 (map)
- Public lands, 73; classes, in 1894, 74; creation of ranchos from, 94; disposition in 1866-83, 95; distribution, by states, in 1912, 76; monopoly, 73; reclamation of those illegally disposed of, 160
- Puebla, Valley of, 9, 22, 56
- Pueblo Indians, 113
- Pueblos, 98; Castilian, 107; distribution and number in 1810, 131; in 1854, 132; earlier and later Spanish, 108; in the northwest, 108; in prairie regions, 109; labor source, 137; land-holding pueblos and reform measures, 175; local government, 138; place in national life, 136; term, 130. *See also* Indian pueblos
- Puga, G. B., 10
- Pulque*, 22, 35; production, 36
- Pura sierra*, 15
- Purchas, Samuel, 184, 185
- Pyramid of the Sun (ill.), opp. 11
- Querétaro (state), 10, 21, 22
- Quevedo, Miguel Angel de, 193
- Quijada, Enrique, 187
- Racial factor in land reform, 179
- Radin, Paul, 122, 187
- Railway development, 72
- Rainfall, 178; average annual (map), 9; eastern escarpment, 17; Mesa Central, 11; Mesa del Norte, 14; Mesa del Sur, 15
- Ramírez de Fuenleal, Sebastián, 120, 185
- Rancherías*, 82, 104, 125; La Puerta de Medina, 86
- Rancheros*, 83
- Rancho de Dolores, 109
- Ranchos, 82; creation from public lands, 94; cultivation methods, 85; distribution and number in 1810, 89; in 1910, 97, 98; growth in size, 97; history, 88; importance, 90; labor,

- Ranchos, (*continued*)
 84; land titles, 85; origin and history, 88; place in national life, 100; *rancheros* and, 83; reform measures, probable effect of, 173; scene in valleys leading into the Valley of Mexico (ill.), opp. 100; term, 82; typical, 86
- Real Hacienda, 62
- Realengos, 72, 109
- References, 182
- Reform, 156; opposition to, 177
- Reforma, 42, 69, 70, 90, 92; allotment in severalty, 130; consequences of legislation against communal holdings, 133
- Religious institutions, 59. *See also* Ecclesiastical estates
- Renters, 171
- Repartimientos, 43, 113
- Requena, Pedro, 193
- Revilla Gigedo, Juan Vicente, 60, 125, 188
- Revolution. *See* Agrarian revolution
- Reynolds, Matthew Givens, 51, 190
- Rice, 35, 37, 55
- Río Grande, settlements, 109
- Río Grande de Santiago, 10, 19. *See also* Santiago-Lerma River
- Riquelme, Félix, 194
- Riva Palacio, Vicente, 47, 62, 186, 189, 191
- Rolland, Modesto C., 191, 194
- Román y Zamora, Jerónimo, 116, 185
- Romero, Matías, 31, 32, 194
- Rosa, Luis de la, 191
- Roscher, Wilhelm, 189
- Rouaix, Pastor, 33, 159
- Rural holdings, assessed value (map), 13; distribution, 139
- Saachila, 16
- Saenz, Moisés, x
- Sahagún, Bernardino de, 185
- Sala, Antenor, 194
- San Andrés, 127
- San Lorenzo (hacienda), 68
- San Luis Potosí, 55
- San Rafael del Alamito (hacienda), 149
- Sanders, E. M., 6
- Santa Anna, Antonio López, 68, 69
- Santa Anna Atoyascalco (hacienda), 52, 116, 127
- Santiago-Lerma River, 7, 86
- Sapper, Carlos, 6
- Saville, M. H., 122
- Sedano, Francisco, 188
- Seler, Eduard, 117, 120, 187
- Señoríos, 120
- Serfs, 52, 118
- Settlement of public lands, 94, 96
- Settlements, Spanish, 105. *See also* Spanish settlements
- Sierra, Justo, 133, 189
- Sierra de las Cruces (ill.), opp. 117.
- Sierra Madre del Sur, 15
- Siete Partidas, law of, 106
- Sinaloa (state), rural holdings in 1910, 147
- Sisal, 20
- Slopes, 16. *See also* Escarpments
- Small estates, 61; allotments in 1877-93, 93; creation from church property, 71
- Small proprietors, 159, 167
- Social conditions and landowners, 41
- Social system, 2
- Socialism, 175
- Soil exhaustion, 39
- Solares, 51, 107
- Solórzano Pereira, Juan de, 185
- Sonora, 147; pueblos, 108; rural holdings in 1910, 148
- Sonora, Marqués de, 188
- Southworth, John R., 25, 78, 139, 145, 149, 151, 194
- Spaniards, 23; aim in conquest of New World, 42; early holdings, distribution, 53; extensive grants made to, 48; founding of new towns, 105; *hacendados*, 28; monopoly of property, 65; real farmers among, 88
- Spanish Inquisition, 68
- Spanish settlements, 105; blending with Indian pueblos, 127; regulations for laying out, 107; type of town holdings (plan), 110
- Speculation in land, 72, 73, 80
- Spence, Lewis, 187
- Spinden, Herbert Joseph, 122, 187
- State agrarian legislation, recent, 167
- Stevens, Henry, 50, 189
- Stock raising, 37
- Succession, Law of, in 1536, 49
- Suertes, 107, 108, 109
- Sugar cane, 35, 55, 80, 144; production, 36
- Surveys, 56, 57
- Tabasco, 19, 55
- Tamaulipas, 19
- Taviche (ill.), opp. 146
- Tecpan, 116
- Tecpanitaca, 116
- Tecpanitalli, 116

- Teggart, F. J., xii
 Tehuantepec (isthmus), 19; land distribution, 90; large estates, 80, 81
 Tekax, 164
 Temperature, 10
 Tenants, in the time of Cortés, 118
 Teosinte, 23
 Teotihuacán (ill.), opp. 11
 Tepeaca, 55
 Ternaux-Compans, Henri, 120, 121, 183, 184, 185, 186
 Texas, 91; pueblos, 109
 Texcoco, overlordships, 120
 Texcoco, Lake, looking toward (ill.), opp. 10
 Tezontepc (pueblo), 163
 Thayer, W. N., 5
 Thompson, Wallace, 32, 39, 194
 Three Years War, 70
Tierra caliente, 5, 37, 72, 146; description, 19; labor conditions, 34; large holdings, 80; scene in (ill.), opp. 21
Tierra fría, 5
Tierra negra, 17
Tierra templada, 5, 143
Tierras y vasallos patrimoniales, 119
 Timber, 80
 Titles, 56; chaotic state, 177; Indian pueblos, 125; ranchos, 85
 Tlahuillpa (hacienda) (plan), 162
Tlalmates, 118
Tlalmatecas, 118
Tlalmilli, 114, 115
Tlatocatlalli, 116
 Tlaxcala (state), 22; creation of typical farm, 52; titles, 57
 Tobacco, 37, 80
 Toluca, Valley of, 21, 55; Indian agricultural settlement (ill.), opp. 113
 Topography, 5; list of works on, 5, 8
 Torquemada, Juan de, 185
 Torre, León Alejo, 191
 Towns, landholding, 104
 Tribes, 112
 Tribute, 44, 115, 116, 118, 122, 146, 148
 Tropical products, 80
 Trowbridge, Edward Dwight, 194
 Trueba y Cosío, Joaquín Telésforo, 189
 Tula, 48
 Turner, John Kenneth, 34, 194
 Twitchell, Ralph Emerson, 189
 Two lives, 49
 Unearned increment, 39
 Urrutia, Carlos de, 57, 62, 188
 Valderrama, Licenciado, 119
 Valdés, Luis B., 187
 Valleys, 10
Vecindarios rurales, 125
Vecinos, 128, 155
 Velasco, Alfonso Luis, 5, 194
 Veracruz (state), 19, 22; land grants to Cortés (map), 47; large estates, 80, 81; rural holdings in 1910, 146
 Vetancurt, Agustín de, 185
 Vigil, José María, 191
 Villa de Laredo, 109
 Villages, 104; formation of free, 126; Indian, landholding, 111
 Villamar, Aniceto, 51, 190
Villas, 130; distribution and number in 1810, 131; in 1854, 132
 Villaseñor y Cervantes, Juan de, 48
 Volcanic ash deposits, 22
 Volcanoes, 10
 Wages of peons, 31, 32
 War for Independence (1810-1821), 28, 41; agrarian aspect, 65; results on the land situation, 66
 Waste lands, 74
 Water rights, 114
 Waterman, Thomas Talbot, 112, 113, 121, 187
 Wells, David Ames, 194
 Western littoral, 20
 Wheat, 35, 55; fields in Atlixco Valley (ill.), opp. 36
 Wilfley, Lebbeus R., 194
 Wilson, H. M., 5
 Winton, George Beverly, 194
 Wittich, Ernesto, 6
 Woodlands, 107
 Xilotepeque, 48
 Xochimilco, 48, 128
 Xochiquentzin, Prince, 120
 Yale University, xii
 Yaquis, 34, 81
 Yucatán, 19, 55; agrarian legislation, 169; description, 20; *henequén* production, 36
Yugada, 51
 Zacatecas (state), agrarian law of 1917, 168
 Zayas Enríquez, Rafael de, 194
 Zorita, Alonso de, 52, 113, 118, 119, 128, 186

CHECKED
1000-04