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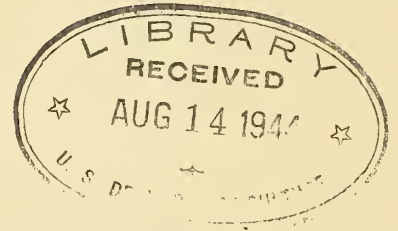
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GEORGE WASHINGTON AND AGRICULTURE

A Classified List of Annotated References with an Introductory Note

By

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INTRODUCTORY NOTE

Not even the occasion of the bicentenary of George Washington's birth is necessary as a justification for a list of the printed materials on Washington as a farmer. The interest in the subject is continuous.

Washington loved farming. Having settled at Mount Vernon in 1759, each time he was called to his country's service he left his farming activities with greater reluctance. During the long and trying years of the American Revolution and also later during his presidency he constantly looked forward to the time when he could lay down his public duties and retire to Mount Vernon and practice farming again.

During his lifetime he acquired some 51,000 acres of land in what is now seven States. However, his chief interest was in the 8,000 acres, divided into five farms and woodlands, which he grouped together in his Mount Vernon estate. In the early 1760's, he, like other Virginia planters, specialized in tobacco. He soon realized that concentrating on a single crop destroyed the fertility of his land. He therefore turned his attention to other crops, wheat being the main substitute for tobacco.

Washington was interested in improving the methods used on his farms. In doing this, his task was not easy. Today any farmer in America can get technical advice by writing the United States Department of Agriculture, the agricultural college or experiment station of his State, the local county agent, or one of the many farm journals. Washington had no such aids. Few in America at that time were interested in improved methods. He had to get the facts by experimenting and by corresponding with a small group in England, led by Arthur Young and John Sinclair, who were making careful studies and printing their results. Extensive notes among Washington's papers show how carefully he read the writings of these men.

Much of his time, while actually in residence at Mount Vernon, was devoted to experiments by which he hoped to discover better agricultural methods. It would take a book of considerable size to cover these experiments in detail. As early as 1760, he sowed lucerne, the plant we now call alfalfa. He was greatly interested in clover and grasses because he hoped they could be used to conserve the thin soil of his land along the Potomac. Further, with them he could be assured of a supply of winter feed. If he had that, he could hope to improve his livestock. He also made extensive experiments with various fertilizers. He used marl and muck from the bottom of the Potomac on some of his fields. He imported improved plows and made what he called a barrel plow; we would call it a seed drill. He treated his seed wheat with brine and alum in the hope of preventing smut and tried methods of protecting his grain fields from the Hessian fly. By careful seed selection, Washington developed a very good strain of wheat. In commenting on the flour made in his mills for shipment to plantations in the West Indies, he stated that his was as good in quality as any produced in America.

Washington's observations in the northern colonies while leading the army during the Revolution turned his attention to the desirability of keeping more and better livestock. He was probably the first in America to

raise mules. In 1785 the King of Spain sent him two jacks and two jennies. One jack died on the way but the other arrived safely and was appropriately named "Royal Gift." This animal was later taken on a tour of the Southern States. In 1786 General Lafayette sent Washington a jack and two jennies of Malta breed.

The importance of wool as a textile material made Washington interested in sheep. Before he became President he improved his flock by selection and care until he was getting 5 1/4 pounds as the average clip. Those of other farmers seldom averaged 2 pounds. In 1788 he raised nearly 200 lambs. He found the restrictions on the exportation of breeding animals from the mother country a decided drawback.

The completeness of Washington's records of his farming activities indicates the way he went about them. During his years at Mount Vernon he kept a diary. In it he recorded the happenings of the day, his agricultural and other experiments, a record of the people who came to visit him, and a detailed account of the weather. With this last information he hoped to draw conclusions as to the best time for planting the various crops. He also kept a cash memorandum book, charge accounts books, mill books, and a special book for the accounts of the estate of his stepchildren. When away from home he required his manager to send him detailed weekly reports. These contained daily weather data, the work done on each farm, what each person was doing, the losses and increases in stock, and other similar matters. In return he wrote weekly letters containing inquiries, directions and corrections.

Washington had a vision of an empire of farms west of the Alleghonies and he led in the efforts to improve transportation facilities between the headwaters of the Potomac River and those of the Ohio in order that the farmers who settled in the west could have a market for their crops.

In his last annual message to Congress he recommended the creation of a Board of Agriculture to collect and distribute information on improved methods of agriculture and to offer prizes and bounties to encourage what he called the "spirit of discovery and improvement." For an executive department which approximated the board he proposed, the nation had to wait many years.

During the past decade we have begun the custom of designating our best farmers as master farmers. Had the practice existed in Washington's day he would have been one of few in all America entitled to the distinction. Perhaps it is not going beyond the facts to say that he was our first master farmer.

The references on George Washington and Agriculture which follow are brought up to July 1, 1931. They are grouped under the following headings: Washington's Agricultural Writings; Washington's Farming Activities; Mount Vernon - Washington's Home; Washington and Western Land; and Washington's Interest in Internal Improvements. The abbreviations employed are those prescribed in United States Department of Agriculture Department Bulletin 1350.

WASHINGTON'S AGRICULTURAL WRITINGS

Brooke, Walter Edwin, editor.

The agricultural papers of George Washington. Boston, R. G. Badger [1919]. 145 p.

This collection includes letters from Washington to various persons on agricultural subjects, extracts from his diaries, farm reports, etc., compiled by Walter Edwin Brooke, late assistant professor of economics and sociology, Agricultural College of Utah, Logan, Utah, "for the sole purpose of elevating and dignifying agriculture by showing the intelligent interest and application of what were in George Washington's time only the crude principles of what is now modern and scientific agriculture." A map of Washington's farms at Mount Vernon faces p. 81.

Carrier, Lyman.

The beginnings of agriculture in America. New York, McGraw-Hill book co., 1923. 323 p.

See p. 231-238, Washington's opinion of agricultural America. This treatment is for the most part a reprinting of Washington's letter to Sir John Sinclair, dated December 11, 1796, at Philadelphia, and is from the Correspondence of Sir John Sinclair (London, 1831), v. 2, p. 9-15. It was written in response to a request from Sinclair for a "description of the several states," when he was contemplating emigrating to America.

See also P. L. Franklin's article entitled "Washington on America," in the Natl. Repub., 17 (10):26-27, 38 (February, 1930). This article is also a reprinting of Washington's letter of 1796 to Sir John Sinclair, who had applied to the President of the new nation for advice as to the most desirable portions of America in which to settle.

Conway, Moncure Daniel, editor.

George Washington and Mount Vernon; a collection of Washington's unpublished agricultural and personal letters...with historical and genealogical introduction. Brooklyn, N.Y., Long Island Hist. Soc., 1889. 352 p., illus. (Long Island Hist. Soc. Mem., v. 4)

A summary and review of this volume is given as an article entitled "Farmer Washington," in the Nation (New York), 50:300-301 (April 10, 1890).

Information and excerpts from letters in the possession of the Long Island Historical Society are given in an article by George Hannah on "Washington's Agricultural Letters," in Old and New, 5:224-227 (February, 1872). The letters used in this article are Washington's correspondence with William Pearce, the superintendent of his estate at Mount Vernon from August 26, 1793, to May 6, 1798.

Fitzpatrick, John Clement, editor.

The diaries of George Washington, 1742-1799. Boston and New York, Houghton Mifflin co., 1925. 4 v., map.

Contents.- v. 1, 1748-1770; v. 2, 1771-1785; v. 3, 1786-1788; v. 4, 1789-1799.

Review by Samuel Flagg Bemis in the Amer. Hist. Rev., 31:540-543 (April, 1926).

For material on agriculture in these volumes, consult the index in volume 4 under such headings as the following: apple orchard; apple punice sowed; apple trees; apples; apricot trees; ash trees; asparagus; aspen trees; asses, jack; barley; barn; barrel sowing; barrel, or barrel plow; barrel planter; Bartram, William; beans; Bloxham, James; Bordley, Beale; Botanical garden Mount Vernon; boxwood trees; buckwheat; Bullskin plantation; cabbages; Canal, Potomac company; carrots; cattle; corn; etc.

[Ford, Worthington Chauncey, editor.]

Washington as an employer and importer of labor. Brooklyn, N. Y. Privately printed, 1889. 78 p.

Five hundred copies printed.

Contents.- Introductory note, p. 5-23; Contracts, agreements, etc., p. 25-46; Importing Palatines, 1774, p. 47-73; Advertisements of runaway servants, p. 74-75; Form of indenture or covenant for servants, p. 75-78.

See also Dr. Ford's article entitled "Washington as an Employer of Labor," in the Nation (New York), 49:227-238 (Sept. 19, 1889).

Ford, Worthington Chauncey, editor.

Wills of George Washington and his immediate ancestors. Brooklyn, N.Y., Historical printing club, 1891. 210 p.

250 copies printed.

Ford, Worthington Chauncey, editor.

The writings of George Washington. New York and London, G. P. Putnam's sons, 1839-1893. 14 v.

Consult the index for references to material on Washington as a farmer.

In this connection it is pertinent to refer to the edition of the writings of George Washington now being edited by John Clement Fitzpatrick and printed by the United States Government Printing Office on the occasion of the bicentennial of Washington's birth.

Washington, George.

Fac similes of letters from His Excellency George Washington, President of the United States of America, to Sir John Sinclair, bart., M.P., on agricultural and other interesting topics; engraved from the original letters, so as to be an exact fac simile of the hand-writing of that celebrated character. Washington, F. Knight, 1844. 72 p., facsimis.

Includes facsimiles of eight letters, dated from Oct. 20, 1792, to Nov. 6, 1797.

1st edition, London, printed by W. Bulmer and Co., and sold by G. and W. Nicol, 1800, published under the title, Letters from His Excellency George Washington, President of the United States of America, to Sir John Sinclair, bart., M. P., on Agricultural, and Other Interesting Topics.

Washington, George.

George Washington as a housekeeper, with glimpses of his domestic arrangements, dining, company, etc. New York, J. F. Sabin, 1924. 8 l.

Instructions to "Mr. Gormain," Washington's steward; signed G^o Washington, Philadelphia, June 1, 1794.

"This is from a letterpress copy of an original - so far as known not extant. Some letters blurred or indistinct have been worked out by Mr. J. C. Fitzpatrick of the Ms Division of the Library of Congress..."

[Washington, George.]

Last will and testament of George Washington, of Mount Vernon: the only authenticated copy, full and complete, embracing a schedule of his real estate, and explanatory notes thereto by the testators; to which is added important historical notes, biographical sketches, and anecdotes. Washington, 1911. 66 p., illus. ([U.S.] Cong. 62d, 1st sess., Senate Doc. 86).

Notes of the publisher, p. 44-66.

Senate Document 86 is a reprint of the second edition of an unofficial pamphlet published in Washington in 1868, by A. Jackson, and in Wilmington, Delaware, in 1876, by W. H. Newton. Its claim to be "the only authenticated copy" of Washington's will is not well founded. A copy authenticated by the certificate of the county clerk of Fairfax County, Virginia, was printed in Alexandria, Virginia, in 1800, and a considerable number of other publications have been made. See p. 30-33 for schedule of property comprehended in the will.

Washington, George.

Letters and recollections of George Washington. Being letters to Tobias Lear and others between 1790 and 1799, showing the first American in the management of his estate and domestic affairs. With a diary of Washington's last days, kept by Mr. Lear. Illustrated from rare old portraits, photographs and engravings. New York, Doubleday, Page & Co., 1906. 289 p., illus.

Introduction signed by Louisa Lear Eyre.

The letters to Lear were privately printed, Rochester, 1905, under the title, Letters from George Washington to Tobias Lear.

The volume is summarized in Walter L. Fleming's article entitled "Washington as Housekeeper and Farmer," in the Dial, 41:237-238 (Oct. 16, 1906).

Washington, George.

Letters from George Washington to Tobias Lear. With an appendix containing miscellaneous Washington letters and documents; reprinted from the originals in the collection of Mr. William K. Birby, of St. Louis, Mo. With introduction and notes. Rochester, N.Y., [Genesee Press], 1905. 102 p., illus.

Three hundred copies printed.

Introduction signed by William H. Samson.

Washington, George.

Letters from His Excellency George Washington, to Arthur Young, esq., F.R.S., and Sir John Sinclair, bart., M.P., containing an account of his husbandry, with his opinions on various questions in agriculture; and many particulars of the rural economy of the United States.

Alexandria, [Va.], Printed by Cotton and Stewart, and sold at their bookstores in Alexandria and Fredericksburg, 1803. 128 p.

The letters are dated from August 5, 1786, to November 6, 1797.

Also a London edition in 1801, sold by W. J. and J. Richardson.

Washington, George.

Letters of George Washington bearing on the negro. Jour. Negro Hist., 2:411-422 (October, 1917).

Washington, George.

Letters on agriculture from His Excellency, George Washington, President of the United States, to Arthur Young, esq., F.R.S., and Sir John Sinclair, bart., M.P., with statistical tables and remarks, by Thomas Jefferson, Richard Peters, and other gentlemen, on the economy and management of farms in the United States. Edited by Franklin Knight. Washington, the editor; Philadelphia, W. S. Martien [etc.] 1847. 198 p., illus., map. (Half-title: Farmers' souvenir. Washington's agricultural correspondence.)

Review by Andrew Jackson Downing in his Rural Essays (New York, Leavitt & Allen, 1854), p. 427-431.

Washington, George.

Washington and the west; being George Washington's diary of September, 1784, kept during his journey into the Ohio basin in the interest of a commercial union between the Great Lakes and the Potomac River...commentary...by Archer Butler Hulbert. New York, Century co., 1905. 217 p., illus., maps.

The diary is reproduced from the original MS. preserved in the Library of Congress.

Contents:- Introduction, p. 1-24; Washington's diary of September, 1784, p. 25-105; Washington and the awakening of the west, p. 107-199.

The illustrations are as follows: "Washington's Mill" on Washington's Run, near Pittsburgh, Pennsylvania, built 1774-75; frontispiece; Map of Washington's western tour, September, 1784, p. 32; Map of Washington County at the time of Washington's tour, p. 48; Braddock's Road, p. 132; Plat of Washington's farm in Great Meadows, near Farmington, Pennsylvania, p. 137; Washington's map of the country between the Potomac and Youghiegheny rivers, 1784, p. 184.

Washington, George.

Washington on agriculture. Mag. Amer. Hist., 21:330-338 (April, 1889).

Eight letters from George Washington to Sir John Sinclair during 1792-1797, copied from the originals in the British Museum by William Henry Smith, give information on what Washington said about woodland, fallow fields, domestic animals, and methods of farming.

Washington, George.

Washington's agricultural notes. Amer. Almanac, 1830:99-114.

"We have selected a few particulars from his manuscript papers, which, at the same time they illustrate his agricultural habits, may, in part serve as practical hints, or salutary maxims, to farmers in general."

Material on the following topics is included: 1, Directions to the manager of his farms in the neighborhood of Mount Vernon given in December, 1799, a few days before Washington's death; 2, Particular directions for cultivating the crops on the river farm for the year 1800; 3, Washington's plan for rotation of crops as illustrated by four tables which apply to one farm of 525 acres which was divided into seven fields; 4, Extract from the agricultural journal for April, 1786, in which Washington kept from day to day the principal operations on his farms, the state of vegetation, and other particulars.

Washington, George.

Washington's "Tour to the Ohio" and articles of "The Mississippi Company." Introduction and notes by Archer Butler Hulbert. Ohio Archaeol. and Hist. Quart., 17:431-438 (October, 1908).

Devoted to the earliest accurate description of the Ohio Valley which, interestingly enough, is from the pen of Washington. It is found in two manuscripts, now preserved in the Library of Congress. One, he called Remarks & Occurr^s in October...; the other, he inscribed Where & How My Time is Spent. The first is the elaborate journal of Washington's tour of 1770 and the latter is a mere outline, such as he always kept, of each day's affairs.

Excerpts from the diary of this trip in 1770 are printed under the title "Washington Journeys West," in the Natl. Repub., 17 (6):32-35; (7):33, 40 (October and November, 1929).

An article on this journey appeared under the title, "Washington's Tour to the Ohio in 1770," in Olden Time, 1:416-432 (September, 1846).

WASHINGTON'S FARMING ACTIVITIES

Abbott, Wilbur Cortez.

James Bloxham, farmer. Mass. Hist. Soc. Proc. (1925-26) 59:177-203.

"James Bloxham, the first farmer-manager of Mount Vernon, brought out by Washington to assist in putting his estates in order after his long absence and neglect as a result of his activities in other and wider fields."

See also the same author's earlier article on "Some Unpublished Washington Letters," in the Nation (New York), 65:219-221 (Sept. 16, 1897). Also Mary Stevens Beall's article listed as the next item.

Beall, Mary Stevens.

Something further about Bloxham. Nation (New York), 65:298 (Oct. 14, 1897).

Braunton, E.

George Washington - a real farmer. Calif. Cult., 70:219 (Feb. 25, 1928).

A summary of Washington's activities as a farmer, based on Paul Leland Haworth's George Washington; Farmer.

Carter, Major-General William Harding.

General George Washington and his horses. Breeder's Gaz., 73:1154-1155, 1223, 1230 (Dec. 2, 1920).

The four illustrations show the following: the coach frequently used by Washington and Mrs. Washington while residing in Philadelphia, then owned by Samuel Hare Powell, mayor of Philadelphia, and now preserved at Mount Vernon; Washington on horseback receiving a salute on the field at Trenton; the rear or court view of Mount Vernon; the stable.

Dacy, George H.

Our first scientific farmer; George Washington's agricultural methods are in vogue today; his farming experiences. Field Illus., 37 (7):21-22, 46 (July, 1927).

Three illustrations accompany the article.

Downing, Andrew Jackson.

Washington, the farmer. In his Rural Essays (New York, Leavitt & Allen, 1854), p. 427-431.

Edwards, Everett E.

George Washington, farmer; a list of annotated references and a brief introduction. Agr. Libr. Notes, 6:59-67 (March-April, 1931).

This item contains essentially nothing that is not given more extensively in this bibliographical contribution. The "brief introduction" is an earlier version of the "introductory note." The "list of annotated references" consists of items selected from what are listed here, under the headings: Washington's agricultural writings; and Washington's farming activities.

Emig, Evelyn Martha.

Early days along the Potomac; a history of George Washington's river farm. *Daughters Amer. Rev. Mag.*, 49:246-248 (October, 1916).

Farmer of Mount Vernon. *Wallaces' Farmer*, 44 (8):474 (Feb. 21, 1919).

This two-column sketch gives the story of Washington's saving his mill from a flood, tells about his land acquisitions, his interest in improved implements and crop rotation, his experiments with fertilizers, mules, and new breeds of live-stock, and his realization that American farmers failed to manage properly.

Farming through the ages; George Washington of Mt. Vernon. *Prairie Farmer*, 101 (12):1, 7, 27 (March 23, 1929).

A summary of the facts concerning Washington as an agriculturist.

The illustrations include the following: reproduction of picture of Washington looking over the progress of field work; the seed house; the mansion house; Washington in the garden; reproduction of Washington's drawing of his "farm of Mount Vernon."

Ford, Paul Leicester.

The true George Washington. Philadelphia, J. B. Lippincott co., 1896. 319 p., illus.

See especially ch. 5, Farmer and Proprietor, p. 112-137; and ch. 6, Master and Employer, p. 138-162.

Ford, Worthington Chauncey.

George Washington, New York, Charles Scribner's sons, 1900. 2 v., illus.

See especially ch. 2, and ch. 7.

Galbreath, Charles B.

George Washington. *Natl. Stockman and Farmer*, 40:1224-1225 (Feb. 17, 1917).

Gilmore, John W.

The agriculture of George Washington. *Pacific Rural Press*, 107:214 (Feb. 16, 1924).

Hamilton, E. W.

George Washington, farmer. *Amer. Thresherman*, 33 (10):5, 18 (February, 1931).

The illustrations include a picture of the Rotherham plough imported from England and used by Washington and a drawing of an Italian wheel plough which probably served as a model for Washington's wheel plough.

Harrison, John P.

Washington as a farmer. *Ohio State Bd. Agr. Ann. Rpt.* 1889:420-436.

This paper was read before the Mulberry Farmers' Institute.

Haworth, Paul Leland.

George Washington, country gentleman; being an account of his home life and agricultural activities. With many illustrations, facsimiles of private papers, and a map of Washington's estate drawn by himself. Indianapolis, Bobbs-Merrill Co. [1925.] 336 p., illus.

Published in 1915 under the title, George Washington, Farmer.

Review by G. U. E. in the Amer. Hist. Rev., 21:858-859 (July, 1916).

The chapter titles are: 1, A man in love with the soil; 2, Building an estate; 3, Virginia agriculture in Washington's day; 4, Washington's Problem; 5, The student of agriculture; 6, A farmer's records and other papers; 7, Agricultural operations and experiments before the Revolution; 8, Conserving the soil; 9, The Stockman; 10, The horticulturist and landscape gardener; 11, White servants and Overseers; 12, Black slaves; 13, The farmer's wife; 14, A farmer's amusements; 15, A critical visitor at Mount Vernon; 16, Profit and Loss; 17, Odds and ends; 18, The vale of sunset.

Hay, James jr.

Washington, the farmer. Farm Mechanics, 25:10-11 (May, 1931).

See also the same author's article on "George Washington; Fruit Grower and Gardener," in the Amer. Fruit Grower, 51 (5):5, 18 (May, 1931). Also his article on "George Washington, the Father of His Country was a Cooperator; Bicentennial Recalls His Interest in Live Stock," in the Natl. Live Stock Producer, 9 (11):9 (July, 1931). Also his article on "How Washington Farmed", in the Hoosier Farmer, 16 (13):10-11 (July 1, 1931). Also his article on "George Washington, Stockman," in the Jersey Bul., 50:1218, 1234 (July 22, 1931).

Henderson, Herbert B.

George Washington, the farmer. Tenn. Farmer, 24:7 (February, 1931).

Hoag, E. F. A.

Some things I learned from George Washington's farm. Country Gent., 86 (8):11, 22 (Feb. 19, 1921).

An elderly farmer's reactions incident to visits at Mount Vernon. There are two illustrations.

Humphrey, Henry B., jr.

Homes of our presidents. 1- Farmer Washington. Country Life, 49:53-55 (March, 1926).

Largely statements, including quotations from Washington's letters, showing his love of agriculture. There are seven illustrations.

Leaveritt, E. T.

George Washington and power farming; his efforts were to reduce his labor expense through utilization of more power. Farm and Ranch, 49 (8):2, 14 (Feb. 22, 1930).

This article also appears with the title "Was Also First in Farming in Colonies," in the Maryland Farmer, 14 (1):4, 11 (Feb. 15, 1930).

Also in the Calif. Cult., 74:137 (Feb. 15, 1930), with the title "George Washington and Power Farming."

Matteson, David M.

Washington the farmer. Washington, D. C., George Washington bicentennial commission, 1931. 31 p., illus. (Honor to George Washington series, edited by Albert Bushnell Hart. Pamphlet 4).

Selected authorities, p. 30-31.

In Part 1, Land and Crops and Stock, the subject is considered under the following topics: interest in farming; wasteful farming in Virginia; Washington's scientific farming; relation of crops; wheat farming; reaping wheat; raising grain; invention of a drill plow; agricultural experiments; raising stock; sheep raising.

In Part 2, Organization and Labor, the topics are as follows: the English system; Manager Bloxham; overseers and slaves; modern farming methods; difficulties of improvement; interest in shrubbery; continuing interest.

Part 3, Washington's Scientific Farm Methods, p. 15-29, consists of excerpts from Washington's writings, compiled by Albert Bushnell Hart.

See also other pamphlets of the same series, especially the one by J. H. Penniman entitled "Washington Proprietor of Mount Vernon," listed below in the section on Mount Vernon; Washington's Home.

McMillen, Wheeler.

Geo. Washington as a farmer; sidelights on his farming operations. *Successful Farming*, 19 (4):23, 125 (April, 1920).

A careful, brief statement of certain sidelights on Washington as an agriculturist. There are four illustrations.

[Mortimer, G. B.]

George Washington as a farmer. *Hoard's Dairymen*, 59:346, 350 (Feb. 27, 1920).

The article, printed on the occasion of the appearance of Walter Edwin Brooke's *The Agricultural Papers of George Washington*, is in the *Hoard's Dairymen Juniors* section and consists of extracts from Washington's papers which show how carefully he managed his agricultural affairs. The extracts are from the letter to James Anderson, manager of his farms, dated December 10, 1799, which included directions concerning crops for the River Farm, and its operation for the year 1800.

Parkinson, Richard.

George Washington; statement of Richard Parkinson, Lincolnshire farmer. Baltimore, Lord Baltimore press, 1909. 38 p.

The preface is signed by Alfred J. Morrison.

Extracts from the author's *A Tour in America in 1798, 1799 and 1800; Exhibiting Sketches of Society and Manners and a Particular Account of the American System of Agriculture, with its Recent Improvements* (London, 1805), v. 1, p. 1-5, 37-63, 78-79, 160; v. 2, p. 425-441, 611, 612.

Richard Parkinson came to America to supervise Washington's River Farm.

Perry, F. E.

George Washington, farmer. Breeder's Gaz., 75:406 (Feb. 20, 1919).

Peterson, Martin, and Marvin Grim.

How are the crops at Mt. Vernon? Washington know the answer; his diaries show how carefully he farmed. Wallaces' Farmer, 53:297 (Feb. 24, 1928).

A rough outline of a year at Mount Vernon by means of excerpts from Washington's diaries. Also excerpts showing Washington's opinion of the situation of Mount Vernon, his observations on a threshing machine, together with his characteristics as an agriculturist. An illustration shows the mansion house of Mount Vernon.

Sanders, Alvin H.

Farms of the famous; George Washington. New Breeder's Gaz., 92 (29):10, 19, 21 (November, 1927).

A satisfactory brief account, also available as an article entitled "George Washington as a Farmer," in the Live Stock Jour., 106:522 (Nov. 25, 1927).

Sanford, Albert Hart.

The story of agriculture in the United States. Boston, New York, [etc.], D. C. Heath & co., 1916. 394 p., illus.

See ch. 8, George Washington - Farmer, p. 76-91.

Schmidt, Louis Bernard.

The farmer of Mt. Vernon; George Washington as a business man and farmer. Wallaces' Farmer, 51:274, 276 (Feb. 19, 1926).

An excellent and well-synthesized consideration of Washington as an acquirer of land, a pioneer promoter of transportation facilities between the sea-board states and the region west of the Appalachians, and as an actual farmer. The illustration is of Mount Vernon.

Smith, Mrs. Lewis Worthington.

An experimental farm in old Virginia; in a land without experiment stations, Washington made his own at Mt. Vernon. Wallaces' Farmer, 54 (8):7, 32 (Feb. 22, 1929).

Snyder, Harry.

Bread; a collection of popular papers on wheat, flour and bread. New York, Macmillan co., 1930. 293 p.

Washington as a wheat farmer, p. 273-275.

Stine, Oscar Clomon.

George Washington, farmer. [Washington, D. C., 1929.]
3 numb. 1., mimeographed. (U. S. Dept. Agr. Bur. Agr. Econ.
Div. Statis. and Hist. Research.)

A radio talk on the noon-hour network program of the Department of Agriculture, delivered at 1:15 p.m., Eastern standard time, Friday, February 22, 1929, through WRC and 16 associated stations of the National Broadcasting Company. Copies are available by addressing the Division indicated.

Stockbridge, Frank Parker.

What Washington did for a living; and how he succeeded in becoming the first millionaire in America. Collier's; The Natl. Weekly, 75 (8):13, 31-32 (Feb. 21, 1925).

Wilstach, Paul.

George Washington as a planter and country gentleman. Country Life in America, 30 (2):31-33 (June, 1916).

The material in this article is also found in ch. 7 of the author's Mount Vernon: Washington's Home and the Nation's Shrine.

The map shows Washington's five farms which totaled about 8,000 acres. The illustrations show a view of the whole group of buildings that made up Mount Vernon taken from the slightly higher point of land to the northeast; the brick ice house at the northeast corner of the group; the upper terrace of the kitchen garden, taken from the west end; the stable and coach house; and the view looking down the central cross axis of the flower garden to the greenhouse.

MOUNT VERNON; WASHINGTON'S HOME

Bridges, S. Russell.

The matrimonial rose bush. Era, 10:610-611 (December, 1902).

Concerning the rose bush at Mount Vernon, and the legends connected therewith, planted by an old colored servant to commemorate the engagement of Nellie Custis to Justice Lewis.

"Brotherhood of venerable trees" planted by George Washington. Lit. Digest, 66 (13):110-113 (Sept. 25, 1920).

This article concerning the trees at Mount Vernon consists chiefly of a long quotation from an item by Cyril Arthur Player in the Detroit News.

Brown, Glenn.

The message of Mount Vernon. Garden & Home Builder, 45:461-467, 517 (July, 1927).

The Garden & Home Builder for July, 1927, is designated the Mount Vernon number. It includes articles by Benjamin Yoe Morrison, Sara H. Lockwood, and Paul Wilstach cited elsewhere in this bibliography.

The illustrations include reproductions of photographs of the following: the mansion house at Mount Vernon; the view of Mount Vernon from the west as one turns in from the highway, the lawn once used as a bowling green being in the foreground; bird's-eye view from the west showing the whole plan of the grounds; bird's-eye view from the east; view from the northeast showing the relationship of the various buildings; the house as it appeared in 1858; the house without its portico railing; northwest view of Mount Vernon, from an old lithograph by P. Haas; Washington's carriage, from a print by J. H. Daniels dated 1772; the view across the lawn toward the house from the ha-ha wall; and the view of the Potomac from the portico of Mount Vernon, from an old engraving published by J. Weld in 1798. Also five views of the interior of the mansion house.

Brush, Warren D.

The building of Mount Vernon mansion. House Beautiful, 51:130-131, 162, 163, 164 (February, 1922).

"Some new facts concerning the building of the mansion by Washington, which have been revealed by a study of the present structure and records." of that time, are given here in connection with his life on the estate." The rebuilding here described extended over the period, December 20, 1857, to September 15, 1859.

The illustrations include the following: a view of the mansion house; the butler's house and coach house; the west front; a plan of the first story; a plan of the second story; and a picture of the model of the framework of Mount Vernon mansion at the National Museum, Washington.

Capen, Oliver Bronson.

Country homes of famous Americans; George Washington. *Country Life in America*, 5:499-504 (April, 1904).

The illustrations show the following: western or rear view of the mansion; one of the two bracket-lamps by the mirror over the mantel in the banquet hall; view through the arcade on the right toward the Potomac and the hills beyond; the flower garden; the boat landing; the gateway leading to the Mount Vernon mansion; the well house; the front of the mansion from the south; the front of the mansion; Washington's bedroom; the Heppelwhite sideboard; Mrs. Washington's bedroom; the kitchen.

Ellsworth, N. H.

Mount Vernon in May. *House Beautiful*, 45:288 (May, 1919).

Sub-title: No other garden has been trodden by so many great Americans or is so intimately associated with great events in our history.

The article is of little value but the picture of the garden is excellent.

Galpin, Charles Josiah.

Washington's home, Mt. Vernon, as a farm. *World Agr.*, 1:65-68 (January, 1921).

Abstract of an address given before the Country Planning Conference of the American Civic Association, Amherst, Massachusetts, October, 1920. It is an examination of Washington's farmhouse to see how he answered the question of what values in the farm family we of America wish to foster and protect.

The six illustrations include a reproduction of a photograph of a colored lithograph, dated 1852, and showing a bird's-eye view of Mount Vernon.

Harrison, Constance Cary.

Washington at Mount Vernon after the Revolution. *Century*, 37:334-850 (April, 1889).

There are 18 illustrations.

Hunter, John.

An account of a visit made to Washington at Mount Vernon by an English gentleman, in 1785. *Penn. Mag. Hist. and Biography*, 17:76-82 (April, 1893).

From the diary of John Hunter, an Englishman who made a tour through Canada and the United States in 1785-86.

Kennedy, E.

Mount Vernon, a pilgrimage. *Southern Lit. Messenger*, 18:53-57 (January, 1852).

Kozlowski, W. K.

A visit to Mount Vernon a century ago; a few pages of an unpublished diary of the Polish poet, J. U. Niemcewicz. *Century*, 63:510-522 (February, 1902).

Introduction by Worthington C. Ford.

Latrobe, Benjamin.

George Washington: country gentleman; an account of a visit to Mount Vernon from the diary of Benjamin Latrobe. *Country Life*, 41:34-41 (December, 1921).

The visit was made in July, 1796. The account is prefaced by an editorial note giving the main facts of the life of Benjamin Henry Latrobe (1764-1820), noted engineer and architect. There are seven illustrations.

Leupp, Francis E.

The old garden at Mount Vernon. *Century*, 72:73-79 (May, 1906).

See also the brief note entitled "Mount Vernon in Washington's Time" on p. 158-159 of the same number. P. 159 is a reproduction from a photograph by Baldwin Coolidge of the original color sketch of the plan of Mount Vernon, made in 1787, by Samuel Vaughan, a merchant of London, and is part of a manuscript journal kept by him during a journey through Pennsylvania, Maryland, and Virginia. The text of the note is taken from the journal verbatim except as to paraphrasing.

Lockwood, Sarah M.

The grace of old fashions in furnishings. *Garden & Home Builder*, 45:473-480 (July, 1927).

The *Garden & Home Builder* for July, 1927, is designated the Mount Vernon number. It includes the articles by Glenn Brown, Benjamin Yoe Morrison, and Paul Wilstach cited elsewhere in this bibliography.

The twenty-seven illustrations accompanying this article are of the rooms and furnishings of the house at Mount Vernon.

[Lossing, B. J.]

Mount Vernon as it is. *Harper's Mag.*, 18:435-451 (March, 1859).

There are thirty-one illustrations. Among the more interesting of these are the following: the landing place; ruins of the conservatory and servants' quarters; the ice house; the century plant and lemon-tree that belonged to Washington; diagram of the shaded carriage-way and garden; general plan of the mansion and grounds at Mount Vernon; Washington's sago palm; Washington's liquor chest; the three scenes in agricultural life sculptured in high relief in white marble under the mantel of the chimney piece in the great hall.

Martin, Arthur Shadwell.

Mount Vernon. Historic building of America as seen and described by famous writers (New York, Dodd, Mead & Co., 1906), edited by Esther Singleton, p. 115-122.

A description of the house at Mount Vernon.

Loyl, Vanessa J.

A landscaper's pilgrimage to Mount Vernon. *Penn State Farmer*, 19 (8):8-10 (April, 1926).

The illustrations afford a view of the house from the south and a view of the box-hedged gardens.

Miller, Wilhelm.

Mount Vernon as Washington would have had it. 1.- Washington's taste in walls and brickwork. 2.- Washington's taste in landscape gardening. 3.- Restore George Washington's vistas! 4.- Washington's taste in gardens and flowers. Twenty-two photographs by Arthur G. Eldredge. *Country Life in America*, 26 (2):49-52, 88, 90; (3):48-49, 80, 82; (4):43-45, 82, 84; (6):58-59 (June, July, August, and October, 1914).

This series of four articles is devoted to what is being done or must be done to restore the grounds of Mount Vernon to the way they were in Washington's lifetime.

The most interesting of the twenty-two photographs by Arthur G. Eldredge are with the first article. They include a view of the wall separating the kitchen from the buildings on the west lane; two views of the restored wall that steps down the lane from the house toward the boat landing; a close-up of the most beautifully coated remnant of Washington's garden wall; and views of the barn, the gate, and the ha-ha wall between the house and the river.

Morrison, Benjamin Yoc.

The garden of our first President. *Garden & Home Builder*, 45:468-471, 513, 518 (July, 1927).

The *Garden & Home Builder* for July, 1927, is designated the Mount Vernon number. It includes the articles by Glenn Brown, Sara M. Lockwood, and Paul Wilstach cited elsewhere in this bibliography.

A study of Mount Vernon as a source of inspiration for the gardener of today. Chief attention is given to the flower garden, the author holding that the kitchen garden requires little attention. There are eleven illustrations. The diagram showing the general plan of Mount Vernon and the diagram of the flower garden with its box-edged beds and intricate patterns of box are of special interest. Also the picture of the box maze with the greenhouse in the background and the picture of the kitchen garden as it is today. Also the reproduction of Howard Pyle's painting of Washington in the garden at Mount Vernon.

Norton, Gayne T. K.

The knot over Washington's tomb. *Amer. Forestry*, 25:351-352 (June, 1917).

Concerning a black walnut tree in front of Washington's tomb, planted by John Augustine Washington on the 2,500-acre farm granted him by Lord Culpepper in 1674, and its unusual organic growth, which probably contributed to the death of the tree in 1916.

The illustration is of the tree and its growth.

Penniman, James Hosmer.

Washington, proprietor of Mount Vernon. Washington, D.C., George Washington bicentennial commission, 1931. 40 p., illus. (Honor to George Washington series, edited by Albert Bushnell Hart, Pamphlet 9).

Selected authorities, p. 39-40.

Part 1, *The Estate*, p. 1-36; part 2, *Ownership of Mount Vernon*, 1607-1931, p. 37-38. Washington's map of Mount Vernon, between p. 18-19.

Potter, Mary Sargent.

The trees of Mount Vernon - the nation's shrine; here, at the home of Washington, American history is kept alive through her trees. *Amer. Forests and Forest Life*, 34:416-420 (July, 1928).

Concerning the work of Professor Charles Sprague Sargent of Arnold Arboretum, Harvard University, in restoring the grounds at Mount Vernon to their original condition.

The illustrations show the following: a general view of the trees facing toward the garden and across the lawn; one of the native hollies; a weeping box at Mount Vernon; the old pecan in front of the mansion planted by Washington on March 25, 1775; the pecan given Washington by Jefferson.

An account of the trees at Mount Vernon, emphasizing the horse chestnut tree presented to Washington by 'Light Horse Harry' Lee, based on this article by Mary Sargent Potter, appears in an article entitled "George Washington's 'Friendship' Trees," in the *Lit. Digest*, 99 (7):58, 60-61 (Nov. 17, 1928).

Rush, Richard.

Washington in domestic life; from original letters and manuscripts. Philadelphia, J.B. Lippincott & co., 1857. 85 p.

Prepared from a collection of original letters from General Washington on matters, for the most part, purely domestic and personal, addressed to Colonel Tobias Lear.

Sargent, Charles Sprague.

The trees at Mount Vernon; report to the Council of the Mount Vernon ladies' association of the Union. [Washington ? 1917.] 16 p.

Reprinted from the Mount Vernon Ladies' Assoc. of the Union, Ann. Rpt., 1917.

A record of the size and condition of the trees planted by Washington near his home at Mount Vernon and of those now standing which have been planted or have sprung up naturally in the neighborhood of the mansion since Washington's death in 1799. A folded plan shows the positions of the trees standing near the mansion at Mount Vernon in May, 1917.

Sawyer, Joseph Dillaway.

Washington. New York, Macmillan co., 1927. 2 v., illus.

Review by J. C. Fitzpatrick in the *Amer. Hist. Rev.*, 32:926-927 (July, 1927).

See especially v. 1, ch. 13, At Home at Mount Vernon; George Washington as a Gentleman Farmer; Pleasant and Peaceful Years. For further material consult the index of each volume under the heading Mount Vernon.

Shoults, Worth E.

The home of the first farmer of America. Natl. Geogr. Mag., 53:602-628 (May, 1928).

There are thirty-two illustrations, including twenty-six colored ones. The following are of particular interest: an airplane view of Mount Vernon; the St. Helena willows on guard along the river front at Mount Vernon; the house from the river lawn; the piazza; the library; the central hall and stairway; the banquet hall; view through the arches of the east colonnade; the parterres of boxwood; the garden; the boat landing; the summerhouse; the school house; the house from the entrance to the serpentine drive; the coach house; the tomb; the original vault; the bedroom where Washington died; the west parlor including the rug presented to Washington by Louis XVI of France.

Stapley, Mildred.

The home of George Washington, country gentleman. Country Life in America, 26:39-41, 80 (May, 1914).

This article is the first of a series of critical articles on Mount Vernon and the scheme of the layout of the estate. The accompanying illustrations include a sketch of the plan of the house, a diagram of the yard, two pictures of the rear of the house, two of its west end, one of the kitchen, one of the south bedroom where Mrs. Washington died, and one of the east farm lane, showing the office, the gardener's house, the carpenter shop, and spinning house. The article was followed by four first-hand studies by Wilhelm Miller, cited elsewhere in this bibliography.

Tabor, Grace.

George Washington, gardener. Woman's Home Companion, 56 (7):35, 116 (July, 1929).

The article is based on the entries of Washington's diaries pertaining to the gardens at Mount Vernon. The illustrations show the following: air view of the mansion and garden emphasizing the splendidly proportioned masses sloping gently from the river; the boxwoods in the garden; and the greenhouse. There is also a plan of Mount Vernon.

Walker, Robert Sparks.

The magic of Mount Vernon. Flower Grower, 16:75-76 (February, 1929).

Washburn, Mabel Thacher Rosemary.

Mount Vernon, the national shrine of the American people; a study of Paul Wilstach's chronicle for patriotic pilgrims. Jour. Amer. Hist., 11:257-284 (April, 1917).

Washington's garden; photographs taken at Mount Vernon for the Journal by Leet Brothers, through the courtesy of the Mount Vernon ladies' association of the Union. Ladies' Home Jour., 21 (3):28-29 (February, 1904).

The illustrations show the following: the rose garden laid out by Martha Washington; the path leading to the Custis children's little schoolroom; the curving path from the garden gate to the schoolroom; the view from a point near the rose garden, showing the quaint flower-beds and boxwood hedges; the curiously shaped flower-beds surrounded by box hedges, laid out by George Washington; one of the long paths across the garden; the main entrance as seen from the greenhouse; and the view looking from the schoolroom toward the mansion, along the curving path.

Where Washington still lives; Mount Vernon. Lippincott's Mag., 65:411-418 (March, 1900).

Wilstach, Paul.

The country home of George Washington. Country Life in America, 29 (6):23-26 (April, 1916).

The material in this article is also found in the author's Mount Vernon; Washington's Home and the Nation's Shrine. See the second item below.

The ten illustrations include views of Mount Vernon from the river as it is today, the front of the mansion from the south, the west land with the stepped wall which separates it from the riverside lawn, the white paling fence separating the box garden from the serpentine drive and the bowling green, the mansion from the opening in the west ha-ha wall, the box bordered path which leads across the vegetable garden, the central hall, the east parlor, the reception room. Another picture shows the model preserved in the National Museum, showing exact construction of Mount Vernon, from which it could be rebuilt if the original house were destroyed. There is also a reproduction of the plan of Mount Vernon made by Samuel Vaughan, and criticized by Washington as failing to show the open vista at the bottom.

Wilstach, Paul.

Domestic life at Mount Vernon. Country Life in America, 30 (1):35-37 (May, 1916).

The material in this article is also found in ch. 6 of the author's Mount Vernon; Washington's Home and the Nation's Shrine. See the next item.

The illustrations consist of pictures of the following: the old well-house back of the kitchen; the gate through which pedestrians enter today; the kitchen fireplace; the room of Nellie Custis; the old tool house, later a school room, at the corner of the garden; the candle holder at Mount Vernon; the interior of the spinning house; Mrs. Washington's bedroom; candle molds; the lane that leads past the brick barn to the boat landing, showing butler's house, kitchen, and stepped wall which screens the stable from the riverside lawn; and the rest house and flower-bordered path across the vegetable garden.

Wilstach, Paul.

Mount Vernon; Washington's home and the nation's shrine. Garden City, N.Y., Doubleday, Page & co., 1916. 301 p., illus., maps, plan.

Review by J. C. Fitzpatrick in the Amer. Hist. Rev., 22:446-447 (January, 1917).

Various later editions.

Note particularly ch. 6-8.

The illustrations include pictures of the following: the Mount Vernon mansion; the old brick barn; the survey of Mount Vernon made by Washington when a boy, about 1746; the south lane; the kitchen fireplace; the north lane; a map of Washington's farm from a drawing transmitted by him; a lane below the old brick barn; the west lodge gates; the river shore; the west parlor; the family dining room; the music room; the sitting room; the north and south lanes; the floor plans of Mount Vernon; the great window in the banquet hall; the north colonnade; the central hall or passage; a vista through the portico; Samuel Vaughan's plan of Mount Vernon; the box maze and greenhouses; the walled vegetable garden; the south ha-ha wall; and a section of the lichen covered garden wall.

Wilstach, Paul.

Social life at Mount Vernon in Washington's day. Country Life in America, 30 (5):29-31 (September, 1916).

This article is practically the same as ch. 8 of the author's Mount Vernon; Washington's Home and the Nation's Shrine. See the preceding item.

The illustrations show the family dining room; the banquet room; Pohick Church; a corner of the south porch, with a glimpse of the lofty portico; the Heppelwhite sideboard; the Lafayette room; and the river shore from the wharf.

Wilstach, Paul.

The Washingtons at home. Garden & Home Builder, 45:456-460 (July, 1927).

The Garden & Home Builder for July, 1927, is designated as the Mount Vernon number. It includes the articles by Glenn Brown, Benjamin Yoe Morrison, and Sara M. Lockwood cited elsewhere in this bibliography.

The illustrations are pictures of members of Washington's family.

WASHINGTON AND WESTERN LAND

Adams, Herbert Baxter.

Maryland's influence upon land cessions to the United States. With minor papers on George Washington's interest in western lands, the Potomac company, and a national university. Baltimore, W. Murray, publication agent, Johns Hopkins univ., 1885. 102 p. (Johns Hopkins Univ. Studies in Hist. and Polit. Sci., 3d ser., 1).

This book is here listed because of the following sections: Washington's interest in western lands, p. 55-77; and Washington's interest in the Potomac company, p. 79-91. It is a somewhat revised form of a study first printed by the Maryland Historical Society in 1877 as a booklet entitled "Maryland's Influence in Founding a National Commonwealth." In the version of 1877 the sections here emphasized appear with the titles, Washington's land speculations, and Washington's public spirit in opening a channel of trade between East and West.

Clark, Neil K.

George Washington, business man. Amer. Mag., 107 (2):14-17, 106, 108, 110, 112 (February, 1929).

This article is based on an interview with Eugene Ernst Prussing after his thirteen years of research on Washington as a business man, the results of his work being embodied in his book, The Estate of George Washington, Deceased (Boston, 1927).

The article gives information on Washington's work as a land surveyor, administrator of the Custis estate, acquirer of western land, the Dismal Swamp project, and the Potomac River Company. Also a formulation of what Prussing calls Washington's seven money-making rules.

The illustrations include Washington's plan of his farm and also reproductions of two maps made by him.

Cook, Roy Bird.

Washington's western lands. Strasburg, Va., Shenandoah publishing house, 1930. 176 p., illus.

A summary of Washington's activities as a land holder and promoter in the country west of the Alleghenies. The chapter titles are as follows: 1, Washington's entrance into the Ohio Valley; 2, The tour to the Ohio; 3, Washington acquires land on the Ohio and Great Kanawha; 4, The lands on the Great Kanawha; 5, The lands on the Ohio; 6, Washington's interest on the Little Kanawha, in Ohio and Kentucky; 7, Washington's Pennsylvania lands; 8, Disposition of the western lands; 9, Washington's other lands; 10, Washington west of the Blue Ridge.

The illustrations include the following: a plate of Washington's ledger account covering his tour to the "Kanawha" in 1770, from the Toner transcript; a map of Washington's lands on the Great Kanawha River, in the present Mason, Putnam, and Kanawha counties in West Virginia, from original map made by Washington in 1787 and now in the New York Historical Society Collection; a map of military land surveys

on the Great Kanawha and "Poca" Rivers; a facsimile of statement rendered by Washington to Adam Stephen for share of expense of surveying land on the Great Kanawha River, now occupied by the city of Nitro, West Virginia, from the original owned by J. Charles Hall, Charleston, West Virginia; a map of land surveys on the Ohio River, between the two Kanawhas, for Washington, Albert Gallatin, John Savery de Valcoulon, and others, from original undated map, made about 1790; a map of Washington Bottom, Wood County, West Virginia; a map of a survey at the mouth of Sandy Creek or the Ravenswood Bottom; a map of Crawford's survey for Washington at Big Mill Creek, Jackson County, West Virginia, from the original plat in the Library of Congress; a map showing property known as "Round Bottom", now in Marshall County, West Virginia; facsimile of letter from Washington to Edward McClean, concerning land in the Round Bottom, in West Virginia, from an original unpublished letter; a plat of the survey of the Little Kanawha, 28,400 acres, in Washington's hand, made in 1773 and now owned by Johns Hopkins University; Washington land surveys in Wood County, West Virginia; Washington's office in Winchester, Virginia.

Diller, Theodore.

The place of Washington in the history of western Pennsylvania. [Pittsburgh], 1916. 43 p., illus., maps.

Note particularly ch. 6, Washington's Interest in Commerce and Real Estate; His Fifth and Sixth Journeys, p. 40-42.

General Washington as a land locator and dealer. "Old Northwest" Genealogical Quart., 14:24-27 (January-April, 1911).

Hay, James, jr.

George Washington: realtor, successful real estate operations of first President made him one of richest Americans of his day. Natl. Real Estate Jour., 32 (10):41-42 (May 11, 1931).

Hixon, Ada Hope.

George Washington: land speculator. Ill. State Hist. Soc. Jour., 11:566-575 (January, 1919).

Chiefly a consideration of Washington's interest in land west of the Allegheny Mountains.

Hulbert, Archer Butler.

Washington; the pioneer investor. Chautauquan. 38:43-48 (September, 1903).

An account of Washington's activities as a pioneer explorer, shrewd investor, and clear-headed promoter. One illustration shows the row of white stones marking the site of old Fort Necessity at Great Meadows; the other, Washington's mill on Washington's Run in Pennsylvania.

Morris, Griffith.

George Washington as a real estate agent. Amer. Hist. Mag., 4:272-274 (May, 1909).

A brief slight article on Washington as a land acquirer. Its material appeared under the same title in the Mag. Western Hist., 12:1-3 (May, 1890).

Prussing, Eugene Ernst.

The estate of George Washington, deceased. Boston, Little, Brown & co., 1927. 512 p., illus., maps.

The following are the chapter titles: 1, Introductory; 2, Of Washington's last years; 3, Of the death, funeral and family; 4, Of the will; 5, The will of George Washington; 6, Of the probate of the will and the inventory and appraisement; 7, Of the widow; 8, Of the debts; 9, Of the goods and chattels; 10, Of the cash, rights and credits; 11, Of the bank stocks; 12, Of the library and literary remains; 13, Of the negroes; 14, Of the minor bequests; 15, Of the Alexandria academy; 16, Of Liberty Hall academy; 17, Of the National university; 18, Of Mount Vernon; 19, Of "Ty land at Four Mile Run", and Square twenty-one; 20, Of the final clauses and the Washington monument; 21, Of the estate in the city of Washington; 22, Of the Maryland farms; 23, Of the Potomac Company shares; 24, Of the Dismal Swamp land company; 25, Of the land on the eastern waters; 26, Of the outlying lands; 27, Of the Ohio River and Great Kanawha River lands; 28, Of the executors' accounts; 29, Of the Hammond appeal; 30, Conclusion.

The Appendix includes the following: 1, The will of Martha Washington of Mount Vernon, p. 389-400; 2, Inventory and appraisement of the estate of George Washington, p. 401-448; 3, Public sales made by the executors of Genl. George Washington, of his estate, p. 449-459.

A reproduction of the map of the original grant of Mount Vernon to Colonel Nicholas Spencer and Colonel John Washington is included on p. 196; of the map of Mount Vernon by Washington, p. 204.

See Eugene Ernst Prussing's article entitled "George Washington, Captain of Industry," in Scribner's Mag., 70:412-428, 549-560 (October and November, 1921). The first installment is devoted to Washington's land acquisitions; the second, to his Bank of England stock and his attitude toward the Bank of the United States. There are nine illustrations. A reproduction of the survey plat of four tracts of land upon the Great Kanawha River owned by George Washington and facsimiles of pages in Washington's ledger are included.

A brief article, essentially a summary of the research of Eugene E. Prussing in his *The Estate of George Washington, Deceased*, but especially his article in *Scribner's Magazine*, appears with the title, "Revealing George Washington as a Pioneer Captain of Industry," in *Current Opinion*, 71:819-820 (December, 1921).

Washington's real estate, 1784. *Mag. Amer. Hist.*, 2:625-627 (October, 1878).

The copies of three advertisements in which Washington proposed to lease his 30,000 acres of land on the Ohio and Great Kanawha, the farm in Fayette County, Pennsylvania, known as Washington's Bottom, and land at Great Meadows on the road from Fort Cumberland to Pittsburgh.

WASHINGTON'S INTEREST IN INTERNAL IMPROVEMENTS

Beck, James H.

The political philosophy of George Washington. Washington, U. S. Govt. print. off., 1929. 26 p. (U.S. Cong. 70th, 2d sess., House Doc. 611).

An address delivered in the House of Representatives on February 22, 1929 in commemoration of the birth of George Washington. See p. 10-15 for a consideration of Washington's interest in "progressive improvements of interior communication of land and water," the emphasis being on the Potomac River route to the Ohio Valley.

The first half of this address appeared as an article entitled "Washington, Empire Builder," in the Natl. Repub., 17 (5):22-23, 46 (September, 1929). The last ten paragraphs of the article are the material on Washington's interest in opening the West by improving communication.

Bacon-Foster, Mrs. Corra.

Early chapters in the development of the Potomac route to the west. Columbia Hist. Soc. Records, 15:95-322, illus. Washington, D.C., 1912.

Part 1, The Ohio Company, 1748-1785; Vandalia Company; the Ballendine scheme, p. 96-123; The Patowmack company, 1785-1828; From its Unpublished Records by permission of the trustees of the Chesapeake and Ohio canal company, and from contemporary papers, p. 125-322.

Review by Archer Butler Hulbert in the Amer. Hist. Rev., 18:401-402 (January, 1913).

Hay, James, jr.

George Washington, southern industrialist. Manufacturers Record, 99 (8):24 (Feb. 19, 1931).

Hulbert, Archer Butler.

The Paths of inland commerce; a chronicle of trail, road, and waterway. New Haven, Yale Univ. Press; [etc.], 1920. 211 p., map. (Chronicles of America, edited by Allen Johnson, v. 21).

Bibliographical note, p. 197-201.

See ch. 1, The Man Who Caught the Vision.

Hulbert, Archer Butler.

Pilots of the Republic; the romance of the pioneer promoter in the middle west. Chicago, A.C. McClurg & co., 1906. 368 p., illus.

See especially ch. 1, Introductory; The brother of the sword, p. 21-36; and ch. 2, Washington: the promoter of western investments, p. 37-80. The contents of ch. 2 are considered under the following topics: Washington's prescience of the increased value of land in the West; Diary of his tour in the basin of the Ohio; His plans for the commercial development of the West; His character as manifested in his letters, diaries, and memoranda; His military advancement by the influence of Lord Fairfax; He serves at Fort Mifflin, "The Bloody Ford," and Fort Duquesne; Marriage and settlement at Mount Vernon; His device for taking up more land than the law allowed

to one man; Washington not connected with any of the great land companies; His efforts to secure for his soldiers the bounty-land promised them; His sixth journey to view his own purchases; The amount of his landed property; His leniency toward poor tenants; The intensity of his business energy; The present value of his lands; His dissatisfaction with the results of his land speculations; His plan of American internal improvements; The treaty that secured to Virginia the territory south of the Ohio; Washington's personal inspection of the basins of the Ohio and Potomac; He becomes president of the Potomac Company; A waterway secured from the Ohio to the Potomac; The National road from Cumberland, Md., to Wheeling on the Ohio.

Hulbert, Archer Butler.

Washington; the promoter and prophet. *Chautauquan*, 38:149-154 (October, 1903).

An account of Washington's efforts to promote improved transportation facilities between the Atlantic coast and the "rising empire" west of the Alleghenies. There are five illustrations.

Hulbert, Archer Butler.

Washington's road (Nemacolin's path); The first chapter in the old French war. Cleveland, Ohio, Arthur H. Clark co., 1903. 215 p. maps, plans (*Historic Highways of America*, v. 5).

See especially ch. 1, Washington and the West, p. 15-39. P. 25-39 of this chapter is in the author's article on "The Debt of the West to Washington," in the *Ohio Archaeological and Hist. Quart.*, 9:205-213 (October, 1900). See also ch. 4, The Virginia Governor's Envoy, p. 85-119, and ch. 5, The Virginia Regiment, p. 120-188. Ch. 4 and 5 and the first ten pages of ch. 1 were printed as a book with the title, *Colonel Washington* (Marietta, Ohio, 1902). This little volume was published with the income from Francis G. Butler Publication Fund of Western Reserve University. Its contents are arranged under the headings: A Prologue, The Governor's Envoy; The Story of the Campaign; Fort Necessity and Its Hero. Ch. 6, The Chain of Federal Union, p. 189-215, is also noteworthy.

Leffman, Henry.

George Washington as an engineer. *Engineers' Club of Philadelphia Proc.*, 21:277-295 (October, 1904).

Also reprinted and distributed separately. Illustrations and folded maps accompany the article.

Mute, Grace L., editor.

Washington and the Potomac; manuscripts of the Minnesota historical society. *Amer. Hist. Rev.*, 23:497-519, 705-722 (April and July, 1923).

Pickell, John.

A new chapter in the early life of Washington in connection with the narrative history of the Potomac company. New York, D. Appleton & co., 1856. 178 p.

A study of Washington's interest in connecting the East and the West by providing improved communication between the Potomac and Ohio valleys. The author was one of the board of directors of the Chesapeake and Ohio Canal Company, in whose office all the original papers, books, records, and notes belonging to the Potomac Company were deposited.

Randall, Emilius Oviatt.

Washington and Ohio. Ohio Mag., 2:121-133 (February, 1907)

Randall, Emilius Oviatt.

Washington's Ohio lands. Ohio Archaeol. and Hist. Quart., 19:304-319 (July, 1910).

Pages 315-319 pertain to the petitioning of Congress by heirs of Washington in 1907 for an enactment authorizing the reimbursement to his estate, the sum of \$350,100 with interest thereon from the date of the petition, for the 3051 acres which he held in Ohio but lost by conflicting grants made under the authority of the United States.

Smith, Rollin E.

In canal days; Washington's experiment. Northwestern Miller, 121:41-42, 52 (Jan. 7, 1920).

Washington's interest in a commercial route between tidewater on the Potomac and the Ohio Valley, and especially the canal around the Great Falls of the Potomac which he sponsored.

Stewart, Andrew.

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See also the books or articles by H. B. Adams, W. H. Clark, T. Diller, and E. E. Prussing listed above under the heading Washington and Western Land.

