

**BIBLIOGRAPHY OF WORKS ON THE
MATHEMATICAL THEORY OF
POLITICAL ECONOMY.**

"It is found that there exists a considerable number of works and memoirs, published during the last hundred years, in which mathematical methods have been applied to the moral sciences, especially to political economy. The mistaken character of some of these attempts, and the prejudice against the introduction of the mathematical methods into the moral and social sciences, have caused these works to be overlooked. Many of them have been long forgotten, and it is probable that some may exist which still elude inquiry. Partly with the purpose of discovering such forgotten works and memoirs, the following preliminary list of writings on the mathematical theory of political economy has been prepared, and it is now printed in the hope that suggestions may be thereby elicited for its extension and correction.

"It should be noted that the present list is not intended to include works on vital statistics, sanitary science, anthropometry, etc., but merely mathematical treatises on wealth, value, capital, interest, rent, taxation, etc.

1793. Lang. Historische Entwicklung der Deutschen Steuerverfassung.

1802. Canard (Nicholas Francois). Principes d'Economie Politique: Ouvrage couronne par l'Institut. 8vo. Paris.

1802. Brisson (B.). Essai sur la Navigation. Paris.

1807. Lang. Ueber den obersten Grundsatz der Politischen Oeconomie. 8vo. Riga.

1816. Buquoy (G. Graf von). Theorie der Nationalwirthschaft. Leipzig; hierzu 3 Nachtrage, 1816-18.

1825. Fuoco (Francesco). Saggi Economici. Prima Serie. 2 tom, 8vo. Pisa, 1825-27.

1829. Whewell (William). Mathematical Exposition of some Doctrines of Political Economy. Cambridge Philosophical Transactions, vol. III, pp. 191-230. 4to. Cambridge.

1831. Walrus (Auguste). De la Nature de la Richesse et de l'origine de la Valeur. 8vo. Paris. (Pp. xxiv, 334.)

1831. Whewell (William). Mathematical Exposition of the Leading Doctrines in Mr. Ricardo's "Principles of Political Economy and Taxation." Cambridge Philosophical Transactions, vol. iv, pp. 155-198. 4to. Cambridge.

1838. Cournot (Augustin). Recherches sur les Principes Mathematiques de la Theorie des Richesses. 8vo. Paris. (Pp. xi, 198.)

1838. Tozer (John). Mathematical Investigation of the Effect of Machinery on the Wealth of a Community in which it is employed, and on the Fund for the Payment of Wages. Cambridge Philo-

sophical Transactions, vol. vi, pp. 507-522. 4to. Cambridge.

1839. Hagen (Karl Heinrich). Von der Staatslehre und von der Vorbereitung zum Dienste in der Staatsverwaltung. Aufsätze gerichtet an angehende Cameralisten zunächst an seine Herren zuhoren, von K. H. H. 8vo. Koenigsberg. (Pp. 477.)

1840. Anonymous. On Currency. London (Chas. Knight and Co.). (Pp. viii, 43, xxi.)

1840. Tozer (John). On the effect of the non-Residence of Landlords, &c., on the Wealth of a Community. Cambridge Philosophical Transactions, vol. vii, pp. 189-196. 4to. Cambridge.

1844. Dupuit (J.). De la Mesure de l'Utilite des Travaux Publics. Annales des Ponts et Chaussees. 2d serie. Tome viii, pp. 332-375. 8vo. Paris.

1844. Hagen (C. H.). Die Nothwendigkeit der Handelsfreiheit für das Nationaleinkommen, mathematisch nachgewiesen. 8 vo. Koenigsberg. (Pp. 32.)

1844. Hagen (C. H.). System of Political Economy. Translated from the German by John Prince Smith. 8vo. London. (Pp. viii, 88.)

1847. Bordas. De la Mesure de l'Utilite des Travaux Publics. Annales des Ponts et Chaussees, 1847, 1er semestre, 2me serie, tome xiii, p. 249. 8vo. Paris.

1848. Mill (John Stuart). Principles of Political Economy, with some of their applications to Social Philosophy. 2 vols. 8vo. London. (Book iii, chapters xvii, xviii.)

1849. Dupuit (J.). De l'Influence des Peages sur l'Utilite des Voies de Communication. Annales des Ponts et Chaussees. No. 207. 2e serie, 1849, 1er semestre. 8vo. Paris. (Pp. 170-248.)

1850. De Thunen. Isolirte Staat. 2e vol.

1850. Minard. De l'Usage Gratuit des Constructions établies aux Frais de l'Etat. Annales des ponts et Chaussees, 2e serie, 1er semestre. 8vo. Paris. (P. 27.)

1850. Lardner (Dionysius). Railway Economy. 8vo. London. (Chapter xiii.)

1851. Esmenard Du Mazet. De la Valeur: Lettre a M. J. Garnier. 8vo. Paris.

1851. De Thunen. Recherches sur l'Influence que le Prix des Grains, la Richesse du Sol, et les Impots exercent sur les Systemes de Culture. Traduit par Laverriere. 8vo. Paris.

1851. Noirot (N. J. E.). L'Art de Conjecturer, applique aux Sciences Morales et Politiques. 8vo. Paris.

1856. Wolkoff (M.). Journal des Economistes, Aout, 1856. 8vo. Paris.

1854. Wolkoff (Mathieu). Opuscules sur le Rente Fonciere. 8vo. Paris. (Pp. 231.)

1857. De Thunen. Le Salaire Naturel, et son rapport au taux de l'Interet.

Traduit de l'Allemand par Mathieu Wolkoff. Paris.

1857. Boccardo (Girolamo). Dizionario della Economia Politica e Commercio, &c. 4o. Torino.

1860. Du Mesnil-Marigny. Les Libre Exchangistes et les Protectionnistes Concilies. 8vo. Paris. (Pp. 413.)

1861. Wolkoff (M.). Lectures d'Economie Politique Rationnelle. 12mo. Paris.

1862. Jevons (W. Stanley). Notice of a General Mathematical Theory of Political Economy. Report of the 32nd meeting of the British Association for the Advancement of Science, held at Cambridge in October, 1862. Reports of Sections, p. 158. 8vo. London, 1863.

1862. Macleod (Henry Dunning). On the Definition and Nature of the Science of Political Economy. Report of the 32nd meeting of the British Association, &c. Reports of sections, pp. 159-161.

1863. Cournot (Augustin). Principes de la Theorie des Richesses. 8vo. Paris. (Pp. iv., 527.)

1863. Macleod (H. D.). A Dictionary of Political Economy: Biographical, historical, and practical. Vol. i. 8vo. London. (Article *Credit*, p. 567.)

1864. Fauvea (G.). Considerations Mathematiques sur la Theorie de l'Impot. 8vo. Paris. (Pp. 64.)

1866. Jevon (W. S.). Brief Account of a General Mathematical Theory of Political Economy. Journal of the Statistical Society of London, June, 1866. Vol. xxix, pp. 282-287. 8vo. London.

1868. Rau (Karl Heinrich). Grundsätze der Volkswirtschaftslehre. Achte Ausgabe. Erste Abtheilung, p. 368. 8vo. Leipzig und Heidelberg.

1868. Jenkin (Fleeming). The Graphic Representation of the Laws of Supply and Demand, and their application to Labour. Recess Studies, edited by Sir Alexander Grant. 8vo. Edinburgh. (Pp. 151-185.)

1871. Jevons (W. S.). The Theory of Political Economy. 8vo. London. (Pp. xvi, 267.)

1871. Jenkin (Fleeming). On the Principles which regulate the incidence of Taxes. Proceedings of the Royal Society of Edinburgh. Session 1871-72. (Pp. 618-631.)

1873. Bing Og Petersen. Bestemelse af den rationelle Arbejdslohn samt nogle Bemaerkninger om Ekonomiens Methode. Nationaloekonomisk Tidsskrift. Forste Bind, p. 296. Copenhagen.

1873. Recherche sur la methode a adopter pour la discussion des elements de la Statistique. Journal des Actuaries Francais. Vol. ii. (Pp. 58-78, 251-263.)

1873. Walras (Leon). Principe d'une Theorie Mathematique de l'Exchange: Memoire lu a l'Academie des Sciences Morales et Politiques. (Seances des 16 et 23 Aout, 1873), (pp. 24). 8vo. Orleans, 1874.

1874. D'Aulnis de Bourouill (Johan). Het Inkomen der Maatschappij. Eene