



The principle of the articulated steam locomotive, in which the locomotive is carried on two or more bogies, goes almost as far back as the steam railway locomotive itself, with the first examples being built in South Wales and the USA as early as 1832. Throughout the rest of the 19th century various designs of fully or semi articulated steam locomotives were evolved, of which the Fairlie, Meyer and Mallet types are amongst the best known. But it was not until 1909 that the most successful design of them all emerged. Brainchild of Herbert W. Garratt, a British engineer with a wide experience in the UK and overseas, whose patented design for the Garratt articulated steam locomotive was initially licensed to Beyer, Peacock & Co Ltd. The first "Beyer-Garratt" locomotives to be built were a pair of 2ft gauge 0-1-0 + 0-1-0 locomotives for the Tasmanian Government Railways North East Dundas Tramway in 1909, which remain in service until the tramway closed in 1930. The first of them, "K1" was subsequently repatriated by its builder for preservation in 1947. Larger Garratt locomotives soon followed and to help publicise his ideas Garratt published a small pamphlet, "The Garratt Patent Locomotive", in 1913, which was subsequently reprinted by Beyer, Peacock themselves in 1919.

Very few copies of this work are known to survive, and the copy of the second edition from which this new reprint has been taken has come from the Garratt family archives.

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The Origins Of The Garratt Locomotive

Anthony Coulls



The Origins Of The Garratt Locomotive:

The Origins of the Garratt Locomotive Richard Leslie Hills, 2000 **The origins of the garratt locomotive, by r.l. hills (pbk).** R. l Hills, Newcomen society, 1980 **Biographical Dictionary of the History of Technology** Lance Day, Ian McNeil, 2002-09-11 This Biographical Dictionary seeks to put the world of technology in the context of those who have made the most important contribution to it For the first time information has been gathered on the people who have made the most significant advances in technology From ancient times to the present day the major inventors discoverers and entrepreneurs from around the world are profiled and their contribution to society explained and assessed Structure The Dictionary presents descriptive and analytical biographies of its subjects in alphabetical order for ease of reference Each entry provides detailed information on the individual s life work and relevance to their particular field in the first part of the entry the information will include the dates and places of the subject s birth and death together with their nationality and their field of activity in the main body of the entry there follows an account of their principal achievements and their significance in the history of technology along with full details of appointments and honours finally an annotated bibliography will direct the reader to the subject s principal writings and publications and to the most important secondary works which the reader can consult for further information Special Features The first work in existence to examine technologists in detail Contains over 1 500 entries giving detailed information Extensive cross references enable the reader to compare subjects and build up a picture of technological advance Figures drawn from fields such as Aeronautics Telecommunications Architecture Photography and Textiles *The Railway Magazine* , 1928 **The British Steam Railway Locomotive, 1925-65** Oswald Stevens Nock, 1966 Locomotive Railway Carriage and Wagon Review , 1929 **The Railway Engineer** Lawrence Saunders, S. R. Blundstone, 1925 Narrow Gauge Locomotives Anthony Coulls, 2018-04-15 Britain s narrow gauge railways are host to some of the oldest most charming varied and extraordinary locomotives to be found anywhere This book is a fascinating survey of these appealing engines *The Book of the Locomotive* George Gibbard Jackson, 1924 **Oxford Dictionary of National Biography: Freud-Gibbard** Henry Colin Gray Matthew, Brian Harrison, 2004 55 000 biographies of people who shaped the history of the British Isles and beyond from the earliest times to the year 2002 **Brazilian articulated steam locomotives** Eduardo José de Jesus Coelho, 2003 **Train** DK, 2014-10-01 This glorious visual celebration of train travel keeps you on the right track with stop offs at the most important and incredible rail routes from all over the world Your first stop in The Train Book is the groundbreaking steam locomotives of the 19th century and your final destination is the high speed bullet trains of today From the Union Pacific Railroad to the Trans Siberian Railway you ll cross the continents to experience epic journeys and staggering scenery You ll pick a seat on the most iconic locomotives including the Orient Express the Blue Train and the Eurostar You can also inspect the engines of famous British trains such as Rocket Mallard and Javelin and international trains such as India s Palace on Wheels and America s Thatcher Perkins You ll meet the

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