

**FOR SALE BY TENDER**

**THE PAT HANNABERRY COLLECTION**

**CATALOGUE AND TENDER FORM**

**Introduction**

P. J. 'Pat' Hannaberry O.B.E. was Commissioner of the former Commonwealth Railways from 1948 to 1960. He held the position during the transformation of the operations of the Trans Australia Railway through dieselisation.

Pat Hannaberry's collection of books is being offered for sale by tender by his nephew's family.

The collection is wide-ranging, including technical reference books (some 80 to 90 years old), books on railways in countries other than Australia and books on topics other than railways. It includes books inscribed to Pat Hannaberry by their authors.

The books are generally in very good condition unless otherwise noted in the catalogue. Most of the reference books or textbooks show signs of careful use. Dust jackets where included are in variable condition.

The books are hard bound unless otherwise indicated. Dust jackets are absent unless specifically mentioned.

Each entry in the catalogue gives information in the following order: book title, author, publisher, year of publication, number and size of pages, and additional information where appropriate.

**Arrangements for sale**

The sale by tender is being organised by Dale Budd on behalf of the Hannaberry family. The highest or any offer for an item will not necessarily be accepted. Packing and postage will be at the purchaser's cost; the seller will advise these costs to successful tenderers. Payment may be made by cheque or by direct bank deposit; details will be made available to successful tenderers.

Tenders should be sent by mail to Dale Budd at PO Box 7104, Yarralumla ACT 2600, Australia; alternatively pages may be scanned and sent by email to [dale.budd@dbas.com.au](mailto:dale.budd@dbas.com.au) Only pages on which tendered prices are shown need to be returned.

The sale by tender will conclude at the close of business on **30 June 2009**.

**Note on the name 'Hannaberry'**

P. J. Hannaberry and members of his family changed the spelling of their name over the years. Inscriptions in some of the books show the spelling as 'Hanneberry'. A variation adopted by some members of the family is 'Hannebery'. 'Hannaberry' is the spelling used by P. J. Hannaberry by the time he became Commonwealth Railways Commissioner.

**1. Electricity in Transport**

H. H. Andrews  
English Electric Company Limited, London 1951

184 pages, approx 14.5cm by 22.5cm  
Subtitled 'over 60 years of experience 1883-1950'. Issued to record the achievements of the English Electric Group around the world; covers electric railways and tramways, trolleybuses, diesel-electric traction and industrial and mining locomotives.

*Price tendered:* \$ .....

**2. Uniform Railway Gauge**

Eric Harding  
Lothian Publishing Co Pty Ltd, Melbourne and Sydney 1958

126 pages, approx 13.5 cm by 21 cm  
History of Australia's break-of-gauge problem and proposals for its resolution. Inscribed by the author "To Pat with the author's warmest regards and thanks for help and inspiration. E Harding 26<sup>th</sup> Nov 1958". An official map of Australia's railways in 1958, published by the Department of the Interior, is provided in a pocket.

*Price tendered:* \$ .....

**3. The Railways of New South Wales 1855-1955**

Leonie Paddison  
Department of Railways, N.S.W. 1955

304 pages, approx 22.5cm by 28.5cm with dust jacket  
Published to mark the centenary of railways in New South Wales. The book is inscribed by the NSW Commissioner for Railways, R. Winsor: "To Pat with best wishes, Reg Winsor 26 Sept 1955"

*Price tendered:* \$ .....

**4. Across Australia by Indian Pacific**

Patsy Adam-Smith; photography by Lindsay Rodda  
Thomas Nelson (Australia) 1971

82 pages, approx 20cm by 27.5cm, with dust jacket

*Price tendered:* \$ .....

**5. Men and Machines**

Charles Wilson & William Reader  
Weidenfeld and Nicolson, London 1958

187 pages, approx 15cm by 24.5cm  
Subtitled 'A History of D. Napier & Son, Engineers, Ltd 1808 – 1958'. Book is embossed 'P.J. Hannaberry'. A slip states that it is a complimentary copy from The English Electric Company of Australia Proprietary Limited.

*Price tendered:* \$ .....

**6. How Fast**

Author not identified  
Smith Industrial Instruments Ltd and J. Stone & Company (Deptford) Ltd  
Undated; possibly early 1950s

44 pages, approx 17cm by 24.5cm  
Limited edition publication aimed at promoting the Smith-Stone speedometer; half its pages consist of a series of illustrated descriptions of famous British locomotives of the past. Book is inscribed to P. J. Hannaberry.

*Price tendered: \$ .....*

**7. Historical Sketch of State Railway Ownership**

W. M. Acworth  
John Murray, London 1920

104 pages approx 12cm by 18.5cm  
A paper on the topic of government ownership of railways , prepared for submission to a US Congressional Committee in 1917 and subsequently published in book form. It is a review of railway ownership in a number of countries including Australia.

*Price tendered: \$ .....*

**8. The Financing of Developmental Works**

L.R. East, Chairman, State Rivers and Water Supply Commission, Victoria  
Melbourne University Press in association with Oxford University Press 1944

Soft cover: 28 pages approx 12 cm by 18cm  
No. 11 in a series entitled 'Realities of Reconstruction'

*Price tendered: \$ .....*

**9. Natural Prosperity**

R.F. Dyson  
The Ruskin Press, Melbourne 1931

Soft cover: 116 pages, approx 12.5 cm by 18.5 cm  
Written to serve as a text book for the Liberation League of Western Australia and the kindred organisation, the Victorian Liberation League. The book challenges the orthodox economic theory of its time.

*Price tendered: \$ .....*

**10. Economic Tribulation**

Vincent C. Vickers  
John Lane The Bodley Head London 1941; first Australian edition 1942

75 pages, approx 12 cm by 18 cm  
The book advocates the necessity for "a new economic design". The author was a Deputy-Lieutenant of the City of London, a Director of Vickers Ltd. for 22 years and a Director of the Bank of England from 1910 to 1919. He died in 1939.

*Price tendered: \$ .....*

**11. Modern Business Practice**

J.R. Barber Pitman 1953  
Sir Isaac Pitman and Sons, Ltd Melbourne 1953

329 pages, approx 13.5 cm by 21.5 cm  
A text book of office practice as it was in the 1950s.

*Price tendered:* \$ .....

**12. Indian Railways One Hundred Years 1853-1953**

J. N. Sahni  
Ministry of Railways, Government of India 1953

200 pages, approx 21.5cm by 27.5cm with dust jacket  
Published to mark the centenary of railways in India

*Price tendered:* \$ .....

**13. Norwegian Railways – a survey**

Egil Sundt  
Norwegian State Railways Oslo 1950

Soft cover: 31 pages, approx 14.5cm by 20.5cm  
Text of a lecture by the former Director General of the Norwegian State Railways. A card ‘with the compliments of Norwegian State Railways’ is with the booklet.

*Price tendered:* \$ .....

**14. The Modern World Book of Railways**

Paul Townend  
Sampson Low, Marston & Co. London  
Publication date not shown but believed to be 1950.

160 pages, approx 20cm by 26.5cm with dust jacket (damaged)

*Price tendered:* \$ .....

**15. The Dilworth Story**

Franklin M. Reck  
McGraw Hill Book Company, Inc U.S.A. 1954

105 pages, approx 13.5 cm by 20 cm  
Biography of Richard Dilworth, Chief Engineer of Electro-Motive Corporation, later the Electro Motive Division of General Motors Corporation, from 1926 to 1950. The sub-title of the book describes him as ‘pioneer developer of the diesel locomotive’.

*Price tendered:* \$ .....

**16. Electrification of Railways**

H.F. Trewman  
Sir Isaac Pitman and Sons, Ltd London 1920

78 pages, approx 10 cm by 16 cm  
Brief technical outline of the issues involved in railway electrification. The book is one of Pitman's Technical Primer Series.

*Price tendered:* \$ .....

**17. On Time - The History of Electro Motive Division of General Motors Corporation**

Franklin M. Reck; illustrations by Rainey Bennett  
Electro Motive Division of General Motors Corporation 1948

184 pages, approx 13 cm by 20.5cm  
History of the Electro Motive Division – and of its development of diesel-electric locomotives – from its origins up to 1947. Illustrated by drawings by Rainey Bennett.

*Price tendered:* \$ .....

**18. Signalling Problems as affected by Electrification**

Charles Walker Prescott  
The Institution of Engineers, Australia 1921

Soft cover: 14 pages, approx 13.5 cm by 21.5cm  
Reprint of a paper presented to the Sydney Division of the Institution of Engineers.

*Price tendered:* \$ .....

**19. Railway-Signalling: Automatic**

Fras. Raynar Wilson  
Sir Isaac Pitman & Sons, Ltd London 1922

116 pages, approx 10 cm by 16 cm  
One of the Pitman's Technical Primer series. "An introductory treatment of the purposes, equipment and methods of automatic signaling and track circuits for steam and electric railways, for railwaymen, students and others." The author was assistant engineer, Victorian Railways.

*Price tendered:* \$ .....

**20. Railway Location**

A.M. Wellington  
John Wiley and Sons, Inc New York Originally published in 1887; sixth edition 1914

950 pages, approx 14 cm by 20.5 cm  
The full title of the book is "The Economic Theory of the Location of Railways". It is a very detailed textbook on all aspects of the economics of railways and their location.

*Price tendered:* \$ .....

**21. Coanes' Australasian Roads**

B.M. Coutie

Fourth edition

Robertson and Mullens Melbourne 1927

730 pages, approx 15cm by 24.5cm

Reference book on the design, construction and maintenance of roads. The title of the book is shown variously as *Australasian Roads* and *Coanes' Australasian Roads*. John Montgomery Coane and Henry Edward Coane had been the authors of previous editions. The binding of this book is slightly damaged.

*Price tendered:* \$ .....

**22. Energy for a Greater Australia**

Harold Rabling

Tait Book Company, Melbourne 1950

77 pages, approx 13 cm by 21 cm

The book reviews Australia's energy requirements and resources with particular reference to petroleum. The author was Chairman and Managing Director of Vacuum Oil Company Pty. Ltd.

*Price tendered:* \$ .....

**23. Adventure in Oil**

Henry Longhurst

Sedgwick and Jackson, London 1959

286 pages, approx 15.5cm by 23 cm

Subtitled 'The Story of British Petroleum'. Foreword by Sir Winston Churchill. A card states that it is a complimentary copy, provided on the occasion of the 50th anniversary of BP Australia's parent company.

*Price tendered:* \$ .....

**24. Our Industry**

Author not identified

Third edition

The British Petroleum Company Limited, London 1958

472 pages, approx 15cm by 22.5cm

Subtitled 'An introduction to the petroleum industry for the use of members of the staff'.

*Price tendered:* \$ .....

**25. A Dictionary of Petroleum Terms**

Ronald K. Ross

New Century Press Pty Ltd Sydney 1948

Semi-soft cover: 119 pages, approx 13cm by 20.5cm

Dictionary giving considerable detail of terms used in the petroleum industry.

*Price tendered:* \$ .....

**26. *The Australian's A to Z of Mining and Oil Companies 1969-70***

Ibis Imprints, Sydney 1969

Soft cover: 88 pages, approx 12.5cm by 21cm

Listing of 200 Australian mining and oil companies; originally published in *The Australian*; reprinted by Ibis Imprints.

**Price tendered:** \$ .....

**27. *Mining Year Book 1966***

Author not identified

Walter R. Skinner & *Financial Times*, London 1966

Semi-soft cover: 783 pages, approx 13.5cm by 20.5cm

1966 edition of an annual reference book giving details of mining companies world-wide.

**Price tendered:** \$ .....

**28. *A Practical Evaluation of Railroad Motive Power***

P. W. Keifer

Simmons – Boardman Publishing Corporation, New York 1948 (second printing, 1949)

65 pages, approx 13.5cm by 21.5cm

A detailed discussion and comparison of various forms of railroad motive power – reciprocating and turbine steam locomotives, gas turbine, electric and diesel-electric. The author was Chief Engineer Motive Power and Rolling Stock, New York Central System.

**Price tendered:** \$ .....

**29. *Transactions of the Institution of Engineers, Australia* Vol. VII**

The Institution of Engineers, Australia Sydney 1926

Soft cover: approx 760 pages, approx 14 cm by 21.5 cm

Included in the transactions are a set of papers extending over some 370 pages describing in great detail the projects of electrification of Sydney's suburban railways and construction of the city railway. The authors include James Fraser, Chief Commissioner NSW Government Railways and Tramways; E. E. Lucy, Chief Mechanical Engineer; W. H. Myers, Chief Electrical Engineer; and Dr. J. J. C. Bradfield, Chief Engineer, Metropolitan Railway Construction and Sydney Harbour Bridge.

**Price tendered:** \$ .....

**30. *Transactions of the Institution of Engineers, Australia* Vol. VIII**

The Institution of Engineers, Australia Sydney 1927

Soft cover: approx 580 pages, approx 14 cm by 21.5 cm

Included in the transactions is a paper of 36 pages by H. A. Cresswell describing engineering features of railways in Western Australia.

**Price tendered:** \$ .....

**31. Transactions of the Institution of Engineers, Australia Vol. IX**

The Institution of Engineers, Australia, Sydney 1928

Soft cover: approx 290 pages, approx 14 cm by 21.5 cm

Included in the transactions is a paper of 30 pages by R. A. Holloway describing the development of rail motors in N.S.W. and giving details of the CPH type, the first of which had just been introduced.

*Price tendered:* \$ .....

**32. Studies in Arc Welding**

Authors of individual sections are listed in the book

The James F. Lincoln Arc Welding Foundation, Cleveland, Ohio 1943

1290 pages, approx 14.5 cm by 21.5 cm

Textbook on the design, manufacture and construction of welded items and structures in many applications.

*Price tendered:* \$ .....

**33. Procedure Handbook of Arc Welding Design and Practice**

Author not identified

The Lincoln Electric Company, Cleveland Ohio First published 1933; third reprint of seventh edition 1944

1252 pages, approx 14.5 cm by 21.5 cm

Textbook on welding including the design of welded components and structures.

*Price tendered:* \$ .....

**34. Welding and Flame Cutting**

R. B. Way and N. D. Green

Percival Marshall & Co. Ltd Maidenhead, Berkshire

64 pages, approx 12 cm by 18.5cm

“A practical handbook on gas-flame and electrical welding, and metal cutting by the oxy-acetylene flame process.”

Undated but could have been published in the 1920s.

*Price tendered:* \$ .....

**35. Mechanical World Electrical Year Book 1966**

Author not identified

Emmott and Company Ltd, Manchester 1966

360 pages, approx 9.5 cm by 15 cm

Handbook of notes, rules, tables and data for use by electrical engineers.

*Price tendered:* \$ .....

**36. Steel Shapes and Sections**

Author not identified  
The Broken Hill Proprietary Company Limited Undated; possibly 1962

473 pages, approx 14.5cm by 22.5cm  
Reference book giving detailed of rolled steel products manufactured by the publisher.

*Price tendered:* \$ .....

**37. Cast Iron Pipes**

Author not identified  
Australian Iron & Steel Limited, Sydney 1941

171 pages, approx 15cm by 22.5cm  
Handbook on the use of cast iron pipes with specifications of the publisher's products.

*Price tendered:* \$ .....

**38. + GF + Malleable Iron Pipe Fittings**

Georg Fischer Signet LLC (current owner of +GF+ trademark) 1929

310 pages approx 13.5cm by 21 cm  
Catalogue of pipe fittings.

*Price tendered:* \$ .....

**39. Tests of Timber as Recorded in the Railway Department**

Author not identified  
Victorian Railways Melbourne

Soft cover: 9 pages, approx 37.5 cm by 21.5 cm; folded to 14.5 cm by 21.5 cm  
The booklet consists of records of tests on a variety of timbers to determine their strength, carried out between 1880 and 1897. The publication is undated but could perhaps have been issued in 1898.

*Price tendered:* \$ .....

**40. Handbook of Structural Timber Design**

Ian Langlands and A.J. Thomas  
Commonwealth of Australia, Council for Scientific and Industrial Research, Division of Forest Products 1939

283 pages, approx 15cm by 23.5cm  
Reference book for engineers and architects designing timber structures.

*Price tendered:* \$ .....

**41. Final Report on Specifications for Design and Construction of Steel Railway Bridge Superstructure**

Special Committee on Specifications for Bridge Design and Construction  
American Society of Civil Engineers 1923

Soft cover: 60 pages, approx 15 cm by 22.5cm  
Extract of the Transactions of the American Society of Civil Engineers.

*Price tendered:* \$ .....

**42. The Theory and Practice of Modern Framed Structures: Part I Stresses in Simple Structures**

J. B. Johnson, C. W. Bryan and F. E. Turneure  
John Wiley & Sons, Inc New York; Chapman & Hall, Limited London ninth edition,  
1910

328 pages, approx 14.5cm by 22.5cm  
An engineering text book for civil engineers.

*Price tendered:* \$ .....

**43. The Theory and Practice of Modern Framed Structures: Part II Statistically Indeterminate Structures and Secondary Stresses**

J. B. Johnson, C. W. Bryan and F. E. Turneure  
Ninth edition  
John Wiley & Sons, Inc New York; Chapman & Hall, Limited London 1917

538 pages, approx 14.5cm by 22.5cm  
An engineering text book for civil engineers

*Price tendered:* \$ .....

**44. The Theory and Practice of Modern Framed Structures: Part III Design**

J. B. Johnson, C. W. Bryan and F. E. Turneure  
Ninth edition  
John Wiley & Sons, Inc New York; Chapman & Hall, Limited London 1910

486 pages, approx 14.5cm by 22.5cm  
An engineering text book for civil engineers

*Price tendered:* \$ .....

**45. Roadway and Track**

W. F. Rench  
Simmons-Boardman Publishing Co, New York 1923

259 pages, approx 14.5 cm by 21.5 cm  
Textbook on the design and maintenance of railway rights of way ('roadway') and track

*Price tendered:* \$ .....

**46. Reinforced Concrete Simply Explained**

Oscar Faber  
Oxford University Press 1926

77 pages approx 13.5cm by 21.5cm

*Price tendered:* \$ .....

**47. Everyday Uses for Portland Cement**

The Cement Marketing Company, Limited, London First published 1909; fourth edition 1921

457 pages, approx 13.5 cm by 21 cm

Handbook on the use of Portland cement and concrete. Accompanied by a letter dated September 3<sup>rd</sup> 1928 from G.& T. Earle (1925) Ltd to P.J. Hannaberry, Victorian Railways, conveying the book as a complimentary copy.

*Price tendered:* \$ .....

**48. Principles of Reinforced Concrete Construction**

F. E. Turneure and E. R. Maurer  
John Wiley & Sons , London 1919

485 pages, approx 14.5cm by 22.5cm

*Price tendered:* \$ .....

**49. Magnetos Simply Explained**

F. H. Hutton  
Percival Marshall& Co. London

Soft cover: 67 pages, approx 12.5 cm by 18.5 cm

The *Model Engineer* Series, No. 42. "A Practical Guide to the Construction, management and Uses of the Modern Magneto." Undated but appears to have been published about 1920. The booklet's cover has minor damage.

*Price tendered:* \$ .....

**50. Handbook of Drainage and Construction Products**

Author not identified  
The Armco International Corporation, Ohio, U.S.A 1958

529 pages, approx 14cm by 22.5cm

Textbook on design of civil engineering projects involving drainage, focused on the use of Armco products.

*Price tendered:* \$ .....

**51. Hydraulics for Engineers and Engineering Students**

F. C. Lea  
Edward Arnold , Bond Street, London Third edition 1916

556 pages, approx 13.5 cm by 21 cm  
Comprehensive textbook on hydraulics

*Price tendered:* \$ .....

**52. The Gregg Company, Ltd General Catalogue No. 550**

Author not identified  
The Gregg Company, Ltd, Hackensack, New Jersey

144 pages, approx 21cm by 28cm  
Catalogue of railroad cars and components, and other railway equipment including rail, cranes, cane handling apparatus etc, together with a limited range of steam locomotives. Undated but appears to have been published in about 1920. With the book is a 36 page publication in a similar format, reprinted from the 1949 Car Builders Cyclopedia, illustrating freight cars built by Gregg for railroads in various countries.

*Price tendered:* \$ .....

**53. Railways Materials Handbook**

Author not identified.  
The United Steel Companies Ltd, Sheffield 1953

Soft cover: 372 pages, approx 15cm by 22.5cm  
Catalogue of railway-related products of the United Steel Companies Ltd.

*Price tendered:* \$ .....

**54. The Westinghouse Brake Reference Book**

Author not identified  
The Westinghouse Brake Co. of Australasia, Ltd., Concord West, N.S.W. 1921

112 pages, approx 20.5cm by 27cm  
Detailed reference book in eight sections on all aspects of the Westinghouse brake.

*Price tendered:* \$ .....

**55. Instructions for the Care and Management of Inspection Motor Cars, Type "B." fitted with 4 ½ H.P. V.R. Standard Engine**

E. H. Ballard,  
Victorian Railways Ways and Works Office Melbourne 1926

37 pages, approx 11.5 cm by 27.5 cm  
Instructions for the use and maintenance of these vehicles, focusing mainly on the motor. This is an official VR publication, issued by the author as Chief Engineer of Way and Works.

*Price tendered:* \$ .....

**56. Vermin Destruction**

Frank Allan  
Department of Lands and Survey, Victoria 1913

Self cover: 20 pages, approx 12 cm by 18 cm.  
The booklet is subtitled "Recipes and Instructions, etc., for poisoning, and General Information in connexion with Rabbit Destruction and Wire Netting". Cover page has slight tearing damage.

*Price tendered:* \$ .....

**57. Engine Maintenance Manual for Model 567B engines**

Author not identified  
Electro-Motive Division, General Motors Corporation, La Grange Illinois, U.S.A.  
Undated: possibly published in 1948

Semi-soft cover: approx 120 pages, approx 12 cm by 20 cm, with a number of fold-out diagrams

*Price tendered:* \$ .....

**58. Diesel Locomotive Operating Manual for Model F3**

Author not identified  
Electro-Motive Division, General Motors Corporation, La Grange Illinois, U.S.A.  
5<sup>th</sup> edition, November 1948

Semi-soft cover: approx 150 pages, approx 12 cm by 20 cm, with a number of fold-out diagrams

*Price tendered:* \$ .....

**59. Catalogue of French Lifting and Handling Appliance Manufacturers**

Author not identified  
Syndicat National des Industries D'équipement M.T-P.S Paris 1952

217 pages, approx 20.5cm by 27cm  
Reference book listing (in French, English and Spanish) French companies making mechanical handling and similar equipment, together with brief illustrated catalogues from those manufacturers. The French title of the book is *Le Matériel Français de Levage et de Manutention*.

*Price tendered:* \$ .....

**60. Standard Specifications of Main French Railways**

Author not identified  
Group Français pour fourniture de matériel de chemins de fer à l'étranger Paris 1929

218 pages, approx 12cm by 19cm  
The 1929 edition of what was apparently a periodical publication. The specifications are of materials and components used in the manufacture of locomotives and rolling stock. Each left hand page is in French; each right hand page is in English.

*Price tendered:* \$ .....

**61. Keystone Coal Industry Manual, 1971**

Author not identified  
Mining Informational Services, Mc Graw Hill Inc U.S.A. 1971

718 pages, approx 20cm by 28cm  
Information manual on a wide range of aspects of the coal industry in the U.S.A. Includes correlation charts of Appalachian coal seams.

*Price tendered:* \$ .....

**62. Link-Belt Catalog Products and Components for materials handling and power transmission**

Author not identified  
Link-Belt Company, U.S.A 1960

Semi-soft cover: 640 pages, approx 21cm by 28cm  
Identified as 'catalog 1050', this is a detailed catalogue of the publisher's products.

*Price tendered:* \$ .....

**63. Applied Mechanics for Engineers**

J. Duncan  
Macmillan and Co. Limited London First edition 1913; third reprint 1926

718 pages, approx 13 cm by 21 cm  
A comprehensive textbook on mechanics for engineers

*Price tendered:* \$ .....

**64. The Elements of Geometrical Drawing**

Henry J. Spooner  
Longmans, Green and Co London 1901

298 pages approx 12 cm by 18.5cm  
Textbook on geometrical drawing

*Price tendered:* \$ .....

**65. Australian Timbers**

James Mann  
Walker, May & Co. Melbourne 1921

272 pages approx 11.5cm by 17.5cm  
Technical reference book on Australian timbers

*Price tendered:* \$ .....

**66. Australia's Media Monopolies**

Humphrey McQueen  
Widescope International Publishers 1977

218 pages, approx 12.5cm by 20.5cm

*Price tendered:* \$ .....

**67. Items of memorabilia**

The following items are being sold as a single lot:

- (a) Commemorative booklet, 19 pages, issued by Commonwealth Railways on the occasion of the official opening of the Stirling North - Maree railway on 27 July 1957
- (b) Toast list for the official dinner for the opening of the Stirling North - Maree railway on 27 July 1957
- (c) Reference card giving strengths of butt welds and lap welds for various steel thicknesses and weld sizes

*Price tendered:* \$ .....