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MS/2015

The papers of Mr Donald Macadie, Include material on the AVOmeter; the automatic coil winder; Post Office postal order sorting machine, photographs and trade literature.

Compiled by Donald Macadie

MS/2015

[Papers of Donald Macadie, 1871-1955. Macadie was mainly responsible for designing the machine which numerically sorted postal orders returned after being cancelled. He joined the Post Office in 1911 from the National Telephone Company and after a spell at the Birmingham Post Office Factory he took charge of Holloway Factory. After retiring from the Post Office in 1933 he spent his time with the Automatic Coil Winder and Electrical Equipment Co Ltd which he had helped to form in 1923. He was awarded the MBE in 1932]. 21 Folders.

Box	Date	Content
/1	c.1933?	[Notebook] Inventions and designs by D Macadie. [Lists 19 inventions. Contains holograph notes, trade literature, photographs, Post Office Engineering Department instruction leaflets, 1 blueprint. Inventions covered include those described in entries below (AVOmeter, coil winder, postal order sorting machine, keysender) and various test apparatus for telephones and cables] 25.5 x 20cm
/2	c.1922	[Design sketch for first AVOmeter. Sketches by Macadie, on both sides of paper, in ink and pencil. Main sketch shows meter layout and some wiring]
/3	c.1925	[Trade catalogue] The 'Macadie' automatic coil winder (new model). The AVOmeter/Automatic Coil Winder and Electrical Equipment Co Ltd. [Illustrated; includes description of 'Slektun' inductance coils] 11p
/4	c.1932?	[Trade catalogue] Our automatic coil winders/Automatic Coil Winder and Electrical Equipment Co Ltd. [Shows coil winder, AVOmeter and soldering iron] p.7-14 in cover

/5	-	[Single sheet from unidentified trade catalogue. Shows Douglas No.3 automatic coil winder and 'Macadie' S.C. winder. Latter is marked 'The original machine, D.M.']
/6	1934 Apr	[Pages 22-28 from] The Post Office Electrical Engineer's Journal [containing article] The Macadie Keysender/Lt.Col.F Reid
/7	1932 Aug	Tests of keysenders for private branch exchanges/H J Gregory & H Wiliams. [Issued as] Post Office Engineering Research Station Research Report No.5841/Office of the Engineer-in-Chief, Dollis Hill. [Duplicated typescript of 10p + circuit diagram (dated 1932 Sept 16) + 3 photos + xerox copy of photo]
/8	1932	[Papers re design of keysenders, chiefly a report/transcript of a speech by Col. F Reid following a paper given by R T A Dennison at the London Centre of the Institution of Post Office Electrical Engineers, 1932 Mar 8] 5 sheets
/9	1936 Mar 23	Memorandum on the design and development of postal order sorting machines/D Macadie [&] C F Ratcliff. [Describes the design of a new pneumatic sorting machine after the 'total failure' of the Frost machine] 7 ts. leaves
/10	1980	[Information on the Macadie sorting machine sent to Howard Wright (Macadie's grandson) by A R Hunt of the Post Office, London Region, Building & Mechanisation Division]
" /1	1980 Nov 28	[Letter to Wright/Hunt, enclosing /2-5 below] 1p

"	/2	1980 Nov	[Summary of the Macadie-Ratcliff machine: its patents, use, output and cost] 1p
"	/3	193-	Description of the Macadie Ratcliff Postal Order Sorting Machine [photocopy] 4p
"	/4	1938 Jan	[Booklet] The Postal Order Service/B M Harrison & W G Potter, [being Post Office Green paper no.38. Includes section on Macadie ratcliff sorting machines (p.10-12)] 17p
"	/5	1934	[1980 print of a 1934 photo of sorting office showing Macadie Ratcliff machines in operation]
/11		1930s?	[Trade leaflet on 'Slektun' coils and AVOmeter]/The Automatic Coil Winder & Electrical Equipment Co Ltd 4p
/12		1951 Mar 31	[Ink/pencil drawing] Multi Winder Alternative Arrangement for Paper Insertion. [Initialled 'D M' and blind-stamped 'Westerdale', 51 Old Park Ridings, Grange Park N21. With 5p of ms. notes]
/13		1953 May 3	[Sketch by Macadie re paper insertion winder; (information from W S Macadie, 1981)]
/14		1945 Jun 29	Technical drawing (xerox copy)] Infinitely variable gear [for gear box assembly of a coil winder]/ACWEECO, Winder House, Douglas Street, [London]

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