

**NEIMME/JBA/26**

**Creation dates: 1920 - 1921**

**Scope and Content**

**File containing correspondence of J.B. Atkinson re borings on the Isle of Man, newspaper cuttings re the Wingate Colliery disaster and boring accounts**

NEIMME/JBA/26/1

Receipt by J. Watson Jr, 1st June 1883 for materials used.

NEIMME/JBA/26/2

Letter from Arthur Hassam to JB Atkinson, 29th August 1918, concerning an analysis of ironstone which the author is dissatisfied with.

NEIMME/JBA/26/3

The analysis of ironstone referred to in NEIMME/JBA/26/2 carried out on 20th August 1918.

NEIMME/JBA/26/4

Letter from Arthur Hassam to J.B. Atkinson, 28th August 1918, regarding sample of ironstone which he mentions is similar in character to samples found in the Minnie Pit in the 1880's.

NEIMME/JBA/26/5

Letter from Arthur Hassam to J.B. Atkinson, 20th August 1918, regarding previous correspondence on the nature of North Staffordshire black band ironstones and a proposed visit to the Froghall district concerning iron ore with a postscript concerning a sample of red shagg ironstone enclosed.

NEIMME/JBA/26/6

Letter from J.D. Kendall to Robert Russell, 23rd April 1921, concerning the possibility of finding coal on the Isle of Man.

NEIMME/JBA/26/7

Memoranda on finding (the) coal measures in the Isle of Man by J.B. Atkinson, 17th April 1921, with reference to evidence by G.W. Lamplugh and Professor Gregory of Glasgow University.

NEIMME/JBA/26/8

Another draft of the Memoranda of NEIMME/JBA/26/7 by J.B. Atkinson, 17th April 1921.

NEIMME/JBA/26/9

Letter from Robert Russell of Coltness Iron Co. Ltd. to J.B. Atkinson, 5th March 1923, concerning the Isle of Man borings enclosing copies of the journals of Boreholes 18 and 20 and mentioning the suspension of further borings.

NEIMME/JBA/26/10

Letter from Robert Russell of Coltness Iron Co. Ltd. to J.B. Atkinson, 27th November 1922, concerning the Isle of Man borings enclosing journals regarding the position of Boreholes 14, 16, 17 and 19 and confirming that the Boreholes 18 and 20 are in progress. Handwritten postscript on Atkinson's health.

NEIMME/JBA/26/11

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 10th August 1922, concerning the Isle of Man borings enclosing journals of Boreholes 11,12,13 and 15 and confirming that 14 has just started.

NEIMME/JBA/26/12

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 28th July 1922, concerning a letter from a Mr. Lamplugh and his address mentioning that journals of Isle of Man borings journals 9 and 10 are enclosed and also referring to Atkinson's depression.

NEIMME/JBA/26/13

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 21st July 1922, concerning correspondence from G.W. Lamplugh about the Isle of Man boring operations and the state of depression that has led to Mr. Atkinson retiring from superintending the boring operations six months previously.

NEIMME/JBA/26/14

Letter from G.W. Lamplugh to J.B. Atkinson, 15th July 1922, concerning the Isle of Man borings and asking for information on their progress.

NEIMME/JBA/26/15

Income tax statement to J. B. Atkinson, year ending 5th April 1922, regarding changes made after his resignation from the Coltness Iron Company in January.

NEIMME/JBA/26/16

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 23rd March 1922, asking for a copy of an agreement with the Sullivan Boring Co. to send to a Mr. Cosmo Kendall who is supervising the Isle of Man borings, mentioning Mr. Atkinson's depression.

NEIMME/JBA/ 26/17

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 13th March 1922, regarding damages being paid to a Mr. L. Kneale and an account dealing with same. Postscript on Mr. Atkinson's health.

NEIMME/JBA/26/18

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 8th March 1922, regarding a Mr. L. Kneale with regards to a letter received from McWhannell & Nelson. Postscript on Mr. Atkinson's health.

NEIMME/JBA/26/19

Letter from McWhannell & Nelson mentioned in NEIMME/JBA/26/18 received by Robert Russell of the Coltness Iron Company, 6th March 1922, regarding the case of Mr. L. Kneale and his action against the company for damages and costs. The letter refers to Mr. Atkinson trying to negotiate with the client personally and McWhannell and Nelson's disapproval of same.

NEIMME/JBA/26/20

Letter from Coltness Iron Company to advocates McWhannell and Nelson, 8th March 1922, regarding Mr. L. Kneale, referring to Mr. Atkinson's ill health and his resignation from duties in the Isle of Man.

NEIMME/JBA/26/21

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 9th February 1922, regarding Mr. Atkinson's resignation from his supervisorship due to ill health.

NEIMME/JBA/26/22

Hand drawn map from Bernard Smith from the Geological Survey Office to J. B. Atkinson, 4th February 1922, referred to in the subsequent letter NEIMME/JBA/26/23, regarding the positions of borings on the Isle of Man site.

NEIMME/JBA/26/23

Letter from Bernard Smith of the Geological Survey Office to J.B. Atkinson, 4th February 1922, regarding a Mr. McVicar and Mr. Atkinson's desire for a visit from Mr Smith. The letter refers to an enclosed tracing map (NEIMME/JBA/26/22) on which Mr. Smith requests the drawing of the positions of boring sites and their names, a request for bore journals for holes from no.3 onwards and information on quartz conglomerates Mr. Atkinson possesses.

NEIMME/JBA/26/24

Letter from J. D. Kendall to J.B. Atkinson, 4th February 1922, regarding difficulties in placing boring sites and a proposed solution in reply to a previous telegram. Mentions an improvement in Mr. Atkinson's health.

NEIMME/JBA/26/25

Telegram from J.D. Kendall to J.B. Atkinson, 4th February 1922, regarding the placement of boring sites in the Isle of Man.

NEIMME/JBA/26/26

Map of boring sites showing the positions (proposed positions?) of boring sites nos. 7, 8, 10 and 11 and their position in regards to Bellowhams, Kiondreghad and Ballavastyn.

NEIMME/JBA/26/27

Telegram from J. D. Kendall to J.B. Atkinson, 1st February 1922, suggesting the stopping of boring from areas 336 to 348 if conglomerate is found.

NEIMME/JBA/26/28

Letter from J. D. Kendall to J. B. Atkinson, 1st February 1922, in support of previous telegram NEIMME/JBA/26/27 suggesting that previous telegrams have contained errors and explaining his reply. Postscript remarking on Mr. Atkinson's health.

NEIMME/JBA/26/29

Letter from J. D. Kendall to J.B. Atkinson, 30th January 1922, confirming receipt of three telegrams from same and requesting daily updates on progress. Postscript requesting sample of Conglomerate.

NEIMME/JBA/26/30

Telegram from Robert Russell of Coltness Iron Company to J. B. Atkinson, 4th February 1922, regarding the delivery of tubes from Liverpool on that day and other materials to follow.

NEIMME/JBA/26/31

Tracing map from J.D. Kendall to Robert Russell, 1st February 1922, showing proposed sites for Bores nos. 10 and 11.

NEIMME/JBA/26/32

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 2nd February 1922, enclosing tracing (NEIMME/JBA/26/31) and letter (NEIMME/JBA/26/33) from J. D. Kendall and agreeing to the placing of Boring site 11 that Mr. Kendall suggests. Confirms telegram ( NEIMME/JBA/26/30).

NEIMME/JBA/26/33

Copy of letter from J.D. Kendall to Robert Russell, 1st February 1922, remarking on telegrams received from Mr. Atkinson and a number of errors that have caused 'uncertainty'. The letter also refers to the enclosed tracing (NEIMME/JBA/26/32) regarding proposed boring positions 10 and 11.

NEIMME/JBA/26/34

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 27th January 1922, confirming that J & R Thomson have promised possible delivery of 4 inch tubes within the week and that orders for shotcutters, boiler firebars, manhole boiler joints and sludge boiler joints will be dispatched the next day. A postscript mentions that Bell Bros of Middlesbrough have declared no interest in the matter that has been discussed and have returned the plan they had been sent.

NEIMME/JBA/26/35

Telegram from Robert Russell of Coltness Iron Company to J.B. Atkinson, 2nd February 1922, confirming that tubes will be dispatched on Saturday and noting the position of Bore no.11.

NEIMME/JBA/26/36

Letter from Robert Russell via C.R. of Coltness Iron Company to J.B. Atkinson, 31st January 1922, enclosing letter from J. D. Kendall (NEIMME/JBA/26/37).

NEIMME/JBA/26/37

Letter from J.D. Kendall to Robert Russell, 30th January 1922, concerning telegrams he has received from Mr. Atkinson and his replies to them regarding the rocks found while boring the No. 10 Bore - limestone, shale and a conglomerate of the two.

NEIMME/JBA/26/38

Telegram from J. D. Kendall to J. B. Atkinson, 30th January 1922, as mentioned in NEIMME/JBA/26/37, advising Mr. Atkinson to continue with No.10 Bore and inform him daily of progress.

NEIMME/JBA/26/39

Telegram from J. D. Kendall to J. B. Atkinson, 28th January 1922, asking for details of No.10 Bore below 278 feet.

NEIMME/JBA/26/40

Letter from John D (?) to J.B. Atkinson, 20th January 1922, asking for the report on the boring operations over the previous year.

NEIMME/JBA/26/41

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 23rd January 1922, regarding a letter from Bell Bros. which suggests they will not be interested in purchasing Isle of Man Ores. Mr. Russell reports that he has asked said company for particulars and a plan, encloses their reply and another letter from a Mr. Foulis for Mr. Atkinsons' perusal.

NEIMME/JBA/26/42

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 18th January 1922, regarding a claim for damages from a Mr Teare for £10 which Mr. Atkinson wants to reduce to £5, the enclosing of two weeks pay sheets from a Mr. Manson and an enquiry made regarding the reduction of borer's rates to J and R.Thomson which has met with a negative reply.

NEIMME/JBA/26/43

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 17th December 1921, relating the details of a letter received from J.D. Kendall suggesting that Mr. Atkinson reply by telegram rather than post to his requests in the interests of speed and accuracy.

NEIMME/JBA/26/44

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 19th December 1921, regarding the supply of material from J.and R. Thomson to Mr. Manson and enclosing the accounts from the Isle of Man Steam Packet Company for carriage of tubes supplied by the Scottish Tubes Company and the Ramsey Coal Company.

NEIMME/JBA/26/45

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 15th December 1921, regarding a claim by the Sullivan Company and the ordering of 4 inch boring tubes from J. and R. Thomson.

NEIMME/JBA/26/46

Copy of letter from Coltness Iron Company to J. and R. Thomson, 2nd December 1921, referred to in NEIMME/JBA/26/45 asking for prices regarding 4 inch boring tubes, flush joints and shot drills.

NEIMME/JBA/26/47

Copy of letter from Coltness Iron Company to J.and R. Thomson, 15th December 1921, referred to in NEIMME/JBA/26/45 confirming the order of 30 boring tubes, a mild steel case hardened shoe, a mild steel driving cap and 6 cast steel shotcutters from Liverpool.

NEIMME/JBA/26/48

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 6th December 1921, regarding J.D. Kendall's advice to stop boring on the No.8 hole and telegraphing supplementary journals to him to save from unnecessary boring, while also suggesting a position for no.10 Bore. Postscript refers to Mr. Russell's telegram to Mr. Atkinson recommending following Mr. Kendall's advice.

NEIMME/JBA/26/49

Letter from Robert Russell via C.R. of Coltness Iron Company to J. B. Atkinson, 9th December 1921, regarding J.D. Kendall's advice to enlarge the size of holes on the boring tubes.

NEIMME/JBA/26/50

Copy of letter from C.R. of Coltness Iron Company to J.B. Atkinson, 8th December 1921, enclosing invoices from the Sullivan Machinery Company and J and R Thomson and enquiring when 4 inch Tubes will be needed.

NEIMME/JBA/26/51

Original letter of NEIMME/JBA/26/50 above from C.R. of Coltness Iron Company to J.B. Atkinson, 8th December 1921.

NEIMME/JBA/26/52

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 12th December 1921, regarding a received letter from Mr. J.D. Kendall complaining of misrepresentation and the tardiness of receiving information leading to unnecessary boring.

NEIMME/JBA/26/53

Letter from the H.M. Inspector of Taxes to J. B. Atkinson, 29th November 1921, regarding Mr. Atkinson's liability for the year 1921-22 and his pension assessment.

NEIMME/JBA/26/54

The Tax assessment referred to in NEIMME/JBA/26/53, 3rd November 1921.

NEIMME/JBA/26/55

Map of Ramsey Bay including the Point of Ayre, Jurby, Andreas, Bride and Ramsey, date unknown.

NEIMME/JBA/26/56

Letter from E.O. Simcock to J. B. Atkinson, 7th December 1921, regarding a Mr. T.J. Thomas who has written a number of letters to Mr. Simcock requesting information about the Minnie Pit explosion and his proposal to write an article for the Iron and Coal Trades Review on the subject. Mentions a 'startling notion' that Mr. Simcock has. Also mentions petrol-lighters Mr. Simcock has for Mr. Atkinson.

NEIMME/JBA/26/57

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 2nd December 1921, regarding an unsigned paysheet and a query over Borers' working hours, mentioning a Mr. Thomson and a Mr. Manson.

NEIMME/JBA/26/58

Letter from J.D. Kendall, Consulting Mine Engineer, to J. B. Atkinson, 5th December 1921, regarding letters and telegrams received and his telegraphing Mr. Russell to stop Bore No. 8.

NEIMME/JBA/26/59

Telegram from Robert Russell of Coltness Iron Company to J.B. Atkinson, 6th December 1921, regarding the stopping of Bore No. 8 and a tracing map enclosed for a proposed site ten ( NEIMME/JBA/26/ 55?)

NEIMME/JBA/26/60

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 2nd December 1921, mentioning the enclosing of a letter from a Mr. Kendall to Mr. Russell (NEIMME/JBA/26/61)

NEIMME/JBA/26/61

A copy of a letter from J. D. Kendall to Robert Russell, 1st December 1921, advising Mr. Atkinson not to go eastward with the boring and giving reasons.

NEIMME/JBA/26/62

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 29th November 1921, mentioning the enclosing of a letter from Mr. Kendall to Mr. Russell (NEIMME/JBA/26/63) and also advising to continue with a claim for damages by a Mr J.J. Christian of Ballaghanes as he thinks best.

NEIMME/JBA/26/63

Copy of a letter from J.D. Kendall to Robert Russell, 28th November 1921, regarding the reducing of time in withdrawing tubes, suggesting that using different joint couplings may help, remarking Sullivans don't have that problem. Also suggests continuing with no.8 despite finding sample of bracciaded quartz.

NEIMME/JBA/26/64

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 25th November 1921, regarding the sending of a bank draft and pay sheet and also noting that unemployment insurance is not payable on the Isle of Man suggesting Mr Manson will decide whether it is paid or not.

NEIMME/JBA/26/65

Letter from J. D. Kendall to J.B. Atkinson, 26th November 1921, regarding the finding of bracciaded quartz in hole no.8. (reiterated in NEIMME/JBA/26/63)

NEIMME/JBA/26/66

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 26th November 1921, regarding the increasing of the diameter of the Drum suggested by Mr. Manson. Postscript asking when to order 4 inch Tubes and Shot Drills.

NEIMME/JBA/26/67

Letter from H.M. Inspector of Taxes to J. B. Atkinson, 18th November 1921, regarding pension assessment and suggesting amending the assessment previously sent by Mr. Atkinson to allow him to receive the benefits due to a married man.

NEIMME/JBA/26/68

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 24th November 1921, mentioning the enclosing of a letter from Mr. Kendall to Mr Russell (NEIMME/JBA/26/69).

NEIMME/JBA/26/69

Copy of a letter from Mr. J.D. Kendall to Robert Russell, 23rd November 1921, disagreeing with Mr. Atkinson's proposal to leave the previous mining area and start afresh somewhere else, suggesting that Mr. Atkinson has misunderstood his source in the ' Iron Ores of Great Britain and Ireland'.

NEIMME/JBA/26/70

Telegram from Robert Russell of Coltness Iron Company to J. B. Atkinson, 21st November 1921, regarding a legal matter with 'Kneal'. Agrees with third suggestion discussed and suggests getting a good lawyer.

NEIMME/JBA/26/71

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 22nd November 1921, mentioning the enclosing of a letter sent to J.and R. Thomson and their reply. (NEIMME/JBA/26/72 and 73) Also asks for particulars of Shot Drills required while confirming that there is enough 4 inch Tubes for requirements.

NEIMME/JBA/26/72

Letter from Thomas Russell of Coltness Iron Company to J.and R .Thomson,17th November 1921, enquiring as to the availability of 4 inch Tubes and Shot Drills and asking whether their borers wages have been reduced.

NEIMME/JBA/26/73

Letter from A.Adamson of J.and R. Thomson to Coltness Iron Company, 19th November 1921, regarding Mr. Mansons' previous working arrangements, and the availability of 4 inch tubes and shot drills. Also mentions that there has been no reduction of borers' wages.

NEIMME/JBA/26/74

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 21st November 1921, referring to a letter received from Mr. Kendall suggesting making the bore holes a little larger to help with drawing the tubes and strengthening said tubes by increasing the length of screw used. Notes on the letter suggest neither is practicable.

NEIMME/JBA/26/75

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 17th November 1921, referring to a previous letter from Mr. Russell to Mr. Atkinson and a previous letter from Mr.Kendall suggesting a Borehole site. Mr. Russell suggests placing Borehole No. 9 where Mr. Kendall suggests, and encloses a tracing map of the site for clarification. (NEIMME/JBA/26/76)

NEIMME/JBA/26/76

Tracing map from Robert Russell of Coltness Iron Company to J.B. Atkinson, 17th November 1921, showing the suggested placement of Borehole no.9 referred to in the previous letter (NEIMME/JBA/26/75)

NEIMME/JBA/26/77

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 5th December 1921, mentioning the enclosing of a letter from Mr. Kendall about a proposed site for Borehole no. 10.

NEIMME/JBA/26/78

Copy of a letter from J. D. Kendall to Robert Russell, 3rd December 1921, regarding a misunderstanding over the boring of site no.10 and the problems Mr. Kendall thinks will arise from this.

NEIMME/JBA/26/79

Tracing map from Robert Russell of Coltness Iron Company (?), 5th December 1921, showing the positions of Boreholes 7,8 and 10.

NEIMME/JBA/26/80

Letter from (Thomas?) Russell of Coltness Iron Company to J.B. Atkinson, 17th November 1921, mentioning the enclosing of a bank draft and a pay sheet, and requesting clarification regarding the question of unemployment insurance.

NEIMME/JBA/26/81

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 19th November 1921, regarding the usefulness of a railway shed and the offer of a Mr. Stowell whose letter Mr. Russell encloses.

NEIMME/JBA/26/82

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 15th November 1921, mentioning the enclosing of an invoice received from the Ramsey Coal Company and a typed copy of the journal of No.6 Bore.

NEIMME/JBA/26/83

Letter from J.D. Kendall to J. B. Atkinson, 16th November 1921, regarding the ground from No. 8 Bore of which Mr. Kendall has concerns and his request for a journal and samples to clarify the situation.

NEIMME/JBA/26/84

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 14th November 1921, mentioning the enclosing of a letter from Mr. Kendall (NEIMME/JBA/26/85) and his opinions about it.

NEIMME/JBA/26/85

Copy of a letter from J. D. Kendall to Robert Russell, 12th November 1921, mentioning concerns with the ground in the No.8 hole and wishing to receive a copy of the journal pertaining to it.

NEIMME/JBA/26/86

Letter from Robert Russell of Coltness Iron Company, 9th November 1921, reiterating details sent in a telegram (NEIMME/JBA/26/90) asking for a tracing of the proposed site for the No. 9 Bore near Kionlough since it differs from Mr. Kendalls'. Mr. Russell also requests clarification on problems with a fault line running through Bores 3, 6 and 2.

NEIMME/JBA/26/87

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 7th November 1921, regarding the borer's pay sheet which Mr. Russell encloses. Questions are raised about reduced hours and increased rates for 3 men and an error regarding unemployment insurance brought to the attention of Mr. Manson.

NEIMME/JBA/26/88

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 5th November 1921, mentioning the enclosing of a letter from Mr.Kendall (NEIMME/JBA/26/89) and his suggestion of the site for the No. 9 hole.

NEIMME/JBA/26/89

Copy of letter from J. D. Kendall to Robert Russell, 3rd November 1921, regarding the stopping of boring at the no.6 hole and the suggested site for the no.9 hole. Also mentions a change in Mr. Russell's circumstances.

NEIMME/JBA/26/90

Telegram from Robert Russell of Coltness Iron Company to J.B. Atkinson, 9th November 1921, whose contents are reiterated in the letter (NEIMME/JBA/26/86)

NEIMME/JBA/26/91

Letter from (Thomas?) Russell of Coltness Iron Company to J.B. Atkinson, 9th November 1921, mentioning the enclosing of invoices from Sullivan Machinery Company and J. and R. Thomson and an account from Clague & Sons that needs clarification.

NEIMME/JBA/26/92

Letter from (Thomas?) Russell of Coltness Iron Company to J.B. Atkinson, 10th November 1921, mentioning the enclosing of an invoice for caps and shoes from John Spencer Ltd. and requesting a copy of the journal for the no. 6 hole.

NEIMME/JBA/26/93

Letter from J. D. Kendall to Robert Russell, 28th June 1921, containing a map indexing the strata of the old coal Bores.

NEIMME/JBA/26/94

Letter from (Thomas?) Russell of Coltness Iron Company to J.B. Atkinson, 27th October 1921, regarding the forwarding of letters and accounts to Mr. Russell, the sending of cheques for said accounts and requesting a copy of a letter sent to MacWhannell and Nelson regarding a claim from Mr. Wheal. Postscript regarding the enclosing of typed copies of Bores nos.4, 5 and 7.

NEIMME/JBA/26/95

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 2nd November 1921, mentioning the enclosing of a bank draft and pay sheet and bringing up the problem of unemployment insurance which Mr. Atkinson does not deduct.

NEIMME/JBA/26/96

Letter from (Thomas?) Russell of Coltness Iron Company to J.B. Atkinson, 31st October 1921, mentioning that Mr. (Robert?) Russell is presently working from home, and will advise on the claim of Mr. Wheal on his return to work.

NEIMME/JBA/26/97

Postcard from Petters Limited to Coltness Iron Company, 20th October 1921, showing an oil engine and acknowledging receipt of a wire on the same day.

NEIMME/JBA/26/98

Letter from (Thomas?) Russell of Coltness Iron Company, 22nd October 1921, mentioning the departure of Mr. (Robert) Russell on a short holiday and mentioning Mr. Atkinson's comments on the Petter's pump.

NEIMME/JBA/26/99

Extracts from correspondence between McWhannell and Nelson and J.B. Atkinson concerning the claim for damages from Mr. Kneale of Ballalheaney for the use of his land for the No.1 Bore, 22nd May 1921- 14th July 1921, disputing the amount of £25 Mr. Kneale asks for and the nature of the damages, with Mr. Atkinson suggesting that Mr. Kneale cannot claim for the use of roads, fields and passage over water but only the actual damage to the land.

NEIMME/JBA/26/100

Letter from Coltness Iron Company to J.B. Atkinson, 11th July 1921, regarding a letter from McWhannell and Nelson about Mr. Kneale's claim for damages at the no.1 Bore and suggesting a compromise to avoid the projected costs of arbitration.

NEIMME/JBA/26/101

Extracts from correspondence between McWhannell and Nelson and J.B. Atkinson concerning the claim for damages from Mr. Lawrence Kneale of Ballalheaney for the use of his land for the no.1 Bore, 5th August 1921-8th October 1921, with Mr. Atkinson trying to bring Mr.Kneale down from his £25 claim with no success despite meetings and the proposal of arbiters of an agreement (Mr. Atkinson suggesting a Mr.Todd of the Salt Works, Mr. Kneale suggesting a Mr. Alfred Christian, a retired farmer and a relative of Mr. J.J. Christian who owned the land on which no. 2 Bore was situated).

NEIMME/JBA/26/102

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 21st October 1921, asking for copies of the journals of Boreholes 4,5 and 7.

NEIMME/JBA/26/103

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 21st October 1921, regarding the correspondence between McWhannell and Nelson ,Coltness Iron Company and Mr J.B. Atkinson concerning Lawrence Kneale's claims for damages. The writer leaves the question of payment or arbitration to Mr. Atkinson's discretion.

NEIMME/JBA/26/104

Copy of letter from McWhannell and Nelson to the Coltness Iron Company, 8th October 1921, excerpted in NEIMME/JBA/26/101, in which the question of Mr. Lawrence Kneale's damages are brought up, with Mr.Kneale withdrawing his offer for £25 since Mr. Atkinson will not accept this but suggesting that he will agree to arbitration under the Arbitration Act.

NEIMME/JBA/26/105

Copy of letter from Coltness Iron Company to McWhannell and Nelson, 21st October 1921, advising that a copy of their letter to the Company (NEIMME/JBA/26/104) has been forwarded to Mr. Atkinson.

NEIMME/JBA/26/106

Telegram from Petters Limited to J.B. Atkinson, 21st October 1921, confirming that a wheel has been sent on the passenger train one day previously.

NEIMME/JBA/26/107

Letter from Petters Limited to J.B. Atkinson, 20th October 1921, confirming receipt of a telegram requesting a replacement for a large spur wheel pumping set and that said replacement is being sent that day. (as confirmed in NEIMME/JBA/26/106).

NEIMME/JBA/26/108

Seven blank geological formation record pages.

NEIMME/JBA/26/109

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 11th October 1921, regarding the arrival in the Isle of Man of Mr. Manson and the question of his travelling expenses from J. and R. Thomson. The letter also mentions the sending of Mr. Atkinson's own expenses.

NEIMME/JBA/26/110

Letter from J.D. Clucas, advocate, to J.B. Atkinson, 21st October 1921, concerning Ballasteen boring and enclosing a small account in connection with this. Mr. Clucas also brings up the amount of iron tubes left in the field and hopes they will be cleared soon.

NEIMME/JBA/26/111

Letter from Petters Limited to Coltness Iron Company, 24th May 1921, replying to an enquiry about a pumping set and suggesting a suitable one for purchase, enclosing the discounts allowed.

NEIMME/JBA/26/112

Order form for the Victory model 'Petter Junior' safety oil engine from Petters Limited to Coltness Iron Company, despatched 16th May 1921, with details of contents checked by Mr. G. Forsey and packed by Parsons.

NEIMME/JBA/26/113

Advertisement for Petter Junior Pumping Plants with specifications and prices.

NEIMME/JBA/26/114

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 6th October 1921, regarding the payment of damages to Thomas Kneen for the no.4 Bore and requesting an estimate for the cost of Sullivan's boring.

NEIMME/JBA/26/115

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 6th October 1921, regarding a disagreement over the siting of Bore no.8 and Mr.Kendall's letters of advice thereon, with Mr. Russell feeling he may be made a scapegoat for fixing sites of bores where there is a disagreement between Mr. Kendall and Mr. Atkinson, suggesting that his preference is for Mr.Kendall's position.

NEIMME/JBA/26/116

Newspaper article from the Iron and Coal Trades Review, 16th September 1921, 'Suggestions for the standardisation of geological sections of strata proved in Boreholes, shafts,etc.' by Major H. Roscoe, O.B.E.

NEIMME/JBA/26/117

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 22nd September 1921, mentioning the enclosing of an advice note from the Scottish Tube Co. Ltd (NEIMME/JBA/26/118). There is also a suggestion that Mr. Manson should return when certain tubes arrive at Ramsey.

NEIMME/JBA/26/118

Advice note from the Scottish Tube Co. Ltd. to Coltness Iron Company, 20th September 1921, confirming goods ordered and their shipment from Liverpool to Ramsey.

NEIMME/JBA/26/119

Letter from the cashier of Coltness Iron Company ( Thomas Tudhope?) to J.B. Atkinson, 29th September 1921, mentioning the enclosing of a cheque for Mr. Atkinson's salary for the previous three months.

NEIMME/JBA/26/120

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 29th September 1921, (NEIMME/JBA/26/121) mentioning the enclosing of a letter from Mr. Kendall and asking for an account of Sullivan's costs.

NEIMME/JBA/26/121

Copy of letter from J.D. Kendall to Robert Russell, 28th September 1921, regarding the machinery supplied by Sullivans, and the high cost to them of the contract asking for an account of the exact cost. Mr. Kendall also provides a sketch of his proposed site for Borehole no.8.

NEIMME/JBA/26/122

Telegram from Robert Russell of Coltness Iron Company to J. B. Atkinson, 26th September 1921, regarding a letter from Mr. Kendall and a question that arises from this. The telegram also mentions problems with Borehole no.7 with the question of stopping or continuing contingent on which is more costly.

NEIMME/JBA/26/123

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 26th September 1921, mentioning the enclosing of a letter from Petters Ltd. (NEIMME/JBA/26/124) and an invoice from Sullivan Machinery Co.

NEIMME/JBA/26/124

Copy of letter from A.M. Brown of Petters Ltd. to Coltness Iron Company, 19th September 1921, regarding problems with the No.3 pumping set provided by Petters with the said company denying responsibility and suggesting that had they received more information on the details of their use they would have advised the use of a different pump.

NEIMME/JBA/26/125

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 27th September 1921, mentioning the enclosing of a letter from Mr.Kendall. (NEIMME/JBA/26/126)

NEIMME/JBA/26/126

Copy of letter from J. D. Kendall to Robert Russell, 24th September 1921, suggesting after examining samples from the site that Borehole no. 7 be stopped.

NEIMME/JBA/26/127

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 26th September 1921, regarding the L. Kneale case and enclosing a letter from McWhannell and Nelson on the subject (NEIMME/JBA/26/128), with Mr. Russell advising Mr. Atkinson to apprise the solicitors on what is being done about the matter.

NEIMME/JBA/26/128

Copy of letter from McWhannell and Nelson to Coltness Iron Company, 23rd September 1921, advising them that legal proceedings against the company will be taken forthwith on behalf of their client L. Kneale although the solicitors do suggest that Mr. Kneale is prepared to agree to arbitration by two persons under the Arbitration Act.

NEIMME/JBA/26/129

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 26th September 1921, mentioning the enclosing of a letter from Mr. Kendall (NEIMME/JBA/26/130), a tracing and suggesting that if Mr.Kendall's proposed site for Bore no. 8 is approved beginning work immediately. The letter also confirms the sending of a telegram (NEIMME/JBA/26/122).

NEIMME/JBA/26/130

Copy of letter from J.D. Kendall to Robert Russell, 23rd September 1921, mentioning the enclosing of a tracing showing old and new Bores, the lines of faulting and the inferred formation boundaries.

NEIMME/JBA/26/131

Letter from J. D. Kendall, consulting mining engineer, to J.B. Atkinson, 24th September 1921, confirming the receipt of seven samples, and asking for more.

NEIMME/JBA/26/132

Letter from J.D. Clucas, advocate, to J.B. Atkinson, 27th September 1921, regarding the Bore on Ballasteen and confirming the receipt of a previous letter.

NEIMME/JBA/26/133

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 24th September 1921, regarding Mr. Kendalls' advice to stop the no.7 Bore and enclosing a copy of a letter from Mr. Kendall.(NEIMME/JBA/26/134)

NEIMME/JBA/26/134

Copy of letter from J.D. Kendall to Robert Russell, 23rd September 1921, suggesting that on the evidence of samples received so far, Bore no.7 should probably be stopped. Mr. Kendall also proposes to send his proposed site for Bore no.8 the next day.

NEIMME/JBA/26/135

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 23rd September 1921, regarding a previously received letter concerning damages, agreeing to Mr. Atkinsons' suggestion.

NEIMME/JBA/26/136

Telegram from (Robert?) Russell of Coltness Iron Company to J. B. Atkinson, 24th September 1921, passing on Mr. Kendalls' advice to stop No.7 Bore.

NEIMME/JBA/26/137

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 20th September 1921, regarding the naming of cuttings from No.7 Bore which Mr. Kendall has queried, suggesting that Mr. Atkinson has previously been apprised of the situation.

NEIMME/JBA/26/138

Letter from Petters Limited to Coltness Iron Company, 9th September 1921, regarding problems with the No.3 pumping set engine no.51922. The company make suggestions for dealing with the problem, and ask if any further advice is needed.

NEIMME/JBA/26/139

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 14th September 1921, concerning the question of Mr. L.Kneale's damages. Mr. Russell suggests a solution involving both Mr. Atkinson's preferred arbitrator Mr. Todd and Mr. Kneale's, a Mr. Christian (NEIMME/JBA/26/101) with an oversman to be agreed by both. Mr. Russell also suggests a further meeting with Mr. Kneale may see him agree to the 'reasonable' sum Mr. Atkinson suggested.

NEIMME/JBA/26/140

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 14th September 1921, mentioning the enclosing of a letter from Mr. Kendall (NEIMME/JBA/26/141) and the returning of a loaned book, 'On the Borings of Coal' by John Todd.

NEIMME/JBA/26/141

Copy of letter from J.D. Kendall to Robert Russell, 12th September 1921, regarding previous samples from Bore no.7 with Mr. Kendall suggesting that they are carboniferous rocks, and have a quite different succession than those found in Bores 1 and 3. Mr. Kendall also asks for clarification on an unknown cutting (NEIMME/JBA/26/137) and also suggests there is no need to visit the island if samples can be sent to him by post.

NEIMME/JBA/26/142

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 10th September 1921, regarding an order for boring tubes from the Scottish Tube Co. that have been delayed due to the companies' closing for stocktaking.

NEIMME/JBA/26/143

Postcard from a Mr. C. Cowley to J.B. Atkinson, 11th September 1921, regarding a sample of ore he wishes to send to him if Mr. Atkinson's present address can be forwarded to him.

NEIMME/JBA/26/144

Letter from a Mr. A.C.Kayll, secretary and treasurer of the Northeast branch of the National Association of Colliery Managers, to J.B. Atkinson, 9th September 1921, referring to a paper submitted by Mr. Atkinson on the Minnie Pit disaster and the lack of enthusiasm for it by some members of the committee. Mr. Kayll also acknowledges receipt of a plan containing the workings of the Minnie Pit and encloses a letter from a Mr. Graham.

NEIMME/JBA/26/145

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 5th September 1921, concerning the enclosing of letters to and from Petters Limited (NEIMME/JBA/26/146+148) and asking for the appropriate information to reply to them.

NEIMME/JBA/26/146

Copy of letter from Coltness Iron Company to Petters Limited, 31st August 1921, enclosing a letter from Mr. Atkinson (NEIMME/JBA/26/147) and expressing regret at the break down of the Petter's pump with the information that the contracting borers are claiming for £5 for time lost.

NEIMME/JBA/26/147

Copy of letter from J.B. Atkinson to Robert Russell, 29th August 1921, mentioning the breaking down of the Petters pump and the breaking of the cast iron crosshead when a Mr. Sandberg was working on it. Mr. Atkinson also reports that a wrought iron replacement for the crosshead was promised for resumption on the day of the letter. The suggestion is that these breakdowns are not uncommon.

NEIMME/JBA/26/148

Copy of letter from A.M. Brown, commercial engineer of Petters Limited to Coltness Iron Company, 2nd September 1921, expressing regret for the breakdown of the pump and suggesting that the occurrence is unusual. Mr. Brown also suggests the working conditions of the pump might have been unusual also, and requests more details, while not shirking any possible responsibility.

NEIMME/JBA/26/149

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 3rd September 1921, passing on Mr. Kendalls' request for the naming of a sample and the sending of other rock samples, including grey grit, white and grey quartzite and grey grit with coal.

NEIMME/JBA/26/150

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 2nd September 1921, concerning the enclosing of a letter from Mr. Kendall (NEIMME/JBA/26/151) and a reply from the company's chemist. (NEIMME/JBA/26/152).

NEIMME/JBA/26/151

Letter from J.D. Kendall to Robert Russell, 30th August 1921, referring to the receipt of previous letters containing samples and in particular a sample from no.7 Bore. Mr. Kendall requests a further sample to test for iron, manganese and silica.

NEIMME/JBA/26/152

Letter from Wm. McConnachie of the Laboratory at Coltness Iron Company to Robert Russell, 1st September 1921, explaining that there is no more of the sample Mr. Kendall requests.

NEIMME/JBA/26/153

Letter from A.A. Atkinson to J(ack) B. Atkinson, 24th July 1921, referring to Mr. Atkinson's failure to do anything with a coal property. The author also broadly agrees with Mr. Atkinson's stance in his proposed book on the coal trade, although he is not happy with the idea that policy has fallen into 'bad hands of late' deeming it unpatriotic to criticise the government who took over the mines 'to help win the war'. The author goes on to report he is recovering from a bad case of influenza, the worst he has had in Australia. The author also regrets the falling out of Mr. Atkinson and 'Bill' which he presumes is due to the Isle of Man boring operations. The author concludes with news of his imminent retirement and the recovery of 'Jack's girl' from a leg injury.

NEIMME/JBA/26/154

Letter from (George N, Jonathan?) Longbotham to J.B. Atkinson (Uncle Jack), 2nd September 1921, thanking him for his P.C. (?) and hoping that the report on the Minnie Pit from Ashley's office has been received. The author also expresses personal regret that he did not see him when he met with Ashley.

NEIMME/JBA/26/155

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 26th August 1921, concerning the enclosing of a letter from the Scottish Tube Co. Ltd. (NEIMME/JBA/26/156) which he has also copied for Mr. Manson.

NEIMME/JBA/26/156

Letter from Thomas M. Kennedy of the Scottish Tube Company to Coltness Iron Company, 25th August 1921, regarding an order for steel tubing which the company says should be dispatched in a fortnight at the latest after the delivery of a portion of the steel.

NEIMME/JBA/26/157

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 26th August 1921, confirming the sending of samples from No.7 Bore to Mr. Kendall and an analysis of one particular sample by the company chemist for lime, manganese, iron and silica.

NEIMME/JBA/26/158

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 22nd August 1921, referring to a previous letter from Mr. Kendall, suggesting that Mr. Atkinson compose an agreement to sign should Mr. Todd agree to be sole arbiter in the L.Kneale / J.J Christian case (as referred to in NEIMME/JBA/26/101) and noting an amendment Mr. Atkinson has made regarding the No.7 Bore in anticipation of finding iron ore.

NEIMME/JBA/26/159

Letter from Sullivan Machinery Company to J.B. Atkinson, 22nd August 1921, concerning delays which their drilling foreman Mr. Sandberg explains were due to lack of water and therefore Coltness' lawful responsibility explaining that their previous invoice takes this into account.

NEIMME/JBA/26/160

Letter from J.A. MacVicar of Sullivan Machinery Company to J.B. Atkinson, 18th August 1921, apologizing for not replying to Mr. Atkinson's previous missive, posting a copy of an article by a Mr. Goodchild and enquiring as to Mr. Atkinson's progress at playing golf.

NEIMME/JBA/26/161

Letter from J.D. Kendall, consulting Mine Manager to J.B. Atkinson, 17th August 1921, acknowledging receipt of a previous letter and a sample of limestone from No. 9 Bore.

NEIMME/JBA/26/162

Statement for damages at the No.2 Bore at Ballaghane, June 1921, for £22.10 for rent of and damages caused by the Coltness Iron Company and Sullivans Boring Company to J.H. Christian. Two notes added by Robert Russell and J.B. Atkinson. Mr. Russell asks for details from Mr Christian for a 'fair' price while Mr. Atkinson argues there was very little damage done, £5 worth at worst.

NEIMME/JBA/26/163

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 17th August 1921, concerning the enclosing of a letter from J.D. Kendall (NEIMME/JBA/26/164) and expressing agreement with its conclusions. The letter also notes that a specimen of limestone from No.7 Bore has been sent to Mr. Kendall.

NEIMME/JBA/26/164

Copy of letter from J.D. Kendall to Robert Russell, 16th August 1921, rejecting the idea of placing more bores on the Eastern side of the property concentrating instead on where operations have so far been conducted as these, he argues, are much more likely to give up iron ore. The letter argues that Mr. Atkinson has misunderstood Mr. Kendall's explanation of the fault passing through No.2 Bore.

NEIMME/JBA/26/165

Letter from Petters Limited to Coltness Iron Company, 13th August 1921, regarding the breaking of a piston rod on a pump previously sent by them, and their sending of a replacement.

NEIMME/JBA/26/166

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 15th August 1921, regarding Mr. Atkinson's suggestions of buying cards to put on sample cases and also getting himself an office and staff and summarily dismissing them. 'Other matters' are referred to which seem to have caused Mr. Atkinson offence, and Mr. Russell suggests referring them to him.

NEIMME/JBA/26/167

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 15th August 1921, regarding Mr. L.Kneale's Damages claim and suggesting that he had not previously known that the claim included damages to carting pipes. Mr. Russell suggests settling the case even up to Mr. Kneale's claim for £25 rather than going to court.

NEIMME/JBA/26/168

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 16th August 1921, regarding damages claimed by Mr. J.J. Christian and Sullivan's claim for loss of time at No.7 Bore. Both claims are thought to be exorbitant, and Mr. Russell suggests seeing Mr. Christian and writing to Sullivans to advise them of the fact. Mr. Russell also mentions a problem with a parcel of which only the label seems to have arrived.

NEIMME/JBA/26/169

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 10th August 1921, addressing itself to a number of problems- the question of the Petters pump (NEIMME/JBA/26/165), enclosing a copy of the letter sent to them (NEIMME/JBA/26/172) and a note from Mr. McGregor (NEIMME/JBA/26/173); the order for 5 inch pipes from Scottish Tubes Ltd. and their letter of reply (NEIMME/JBA/26/171); the enclosing of 50 cards for Mr. Atkinson's use despite incredulity that these should be asked for (NEIMME/JBA/26/166); Mr. Kneale's request for damages, enclosing a letter from McWhannell and Nelson (NEIMME/JBA/26/170); J.J Christian's account for damages, suggesting Mr. Atkinson forwards an opinion as to how much he thinks a fair settlement would be; the enclosing of a claim from Sullivans for Mr. Atkinson to ratify if correct and asking Mr. Atkinson whether he considers J.J. Christians account for cartage of coal 'etc' seems reasonable.

NEIMME/JBA/26/170

Letter from McWhannell and Nelson to the Coltness Iron Company, 8th August 1921, acknowledging receipt of a telegram and informing the company that their client (Mr. Kneale) has already provided 'full particulars' of his claim to Mr. Atkinson.

NEIMME/JBA/26/171

Letter from the Scottish Tube Company to the Coltness Iron Company, 9th August 1921, confirming that they expect their order to be dispatched around the 23rd August and that they will communicate with Rennie and Watson as to the availability of a steamer to take the goods from Glasgow to Ramsey direct.

NEIMME/JBA/26/172

Letter from Coltness Iron Company to Petters Limited, 9th August 1921, concerning the enclosing of 2 brass pieces from the pump piston rod of the oil engine which has broken down and also a note from mechanical engineer Mr. McGregor (NEIMME/JBA/26/173). The letter also informs Petters that the boring contractor has claimed against Coltness for loss of time.

NEIMME/JBA/26/173

Letter from Alex McGregor, mining engineer, to T. Russell (sic), 8th August 1921, suggesting that the fracturing of the bucket rod (NEIMME/JBA/26/172) can not be attributed to wear and tear and should be replaced by Petters, but that he cannot ascertain whether the breakage was due to a defect in the rod.

NEIMME/JBA/26/174

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 3rd August 1921, concerning the enclosing of a letter from J.D. Kendall. (NEIMME/JBA/26/175)

NEIMME/JBA/26/175

Copy of letter from J.D. Kendall to Robert Russell, 1st August 1921, suggesting that the No.7 Bore should be examined more closely for limestone and slate before he gives a possible location for Bore no.8.

NEIMME/JBA/26/176

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 6th August 1921, concerning the enclosing of a letter from J.D. Kendall and asking for opinions thereon. (NEIMME/JBA/26/177)

NEIMME/JBA/26/177

Copy of letter from J.D. Kendall to Robert Russell, 5th August 1921, suggesting that the bore miners should not go East until all the possibilities of the Western district have been exhausted, in particular two faults which have not been investigated. Using the example of his experiences in examining Bore holes in Cumberland Mr. Kendall suggests that workable hematite deposits are invariably found alongside faults.

NEIMME/JBA/26/178

Telegram from Robert Russell of Coltness Iron Company to J.B. Atkinson, 8th August 1921, regarding Mr. Kneale's legal action for the payment of damages suggesting that Mr. Kneale promised to send a detailed account of his claims to Mr. Atkinson, the superintendent at Ramsey, and has not yet done so. A letter has been sent to emphasise this to his solicitors. Mr. Russell suggests getting in touch with Mr. Kneale and then his solicitors McWhannell and Nelson.

NEIMME/JBA/26/179

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 8th August 1921, confirming the contents of the previous telegram (NEIMME/JBA/26/178) and also enclosing copies of a letter from McWhannell and Nelson (NEIMME/JBA/26/180) and the companies' reply to that letter. (NEIMME/JBA/26/181)

NEIMME/JBA/26/180

Letter from McWhannell and Nelson to Coltness Iron Company, 5th August 1921, telling the company that legal proceedings for Mr. Kneale's damages claim for his property at Ballalheaney will be taken without further notice since they have not heard from the company on the subject. The promise to get back in touch after consulting with the Inspector at Ramsey has not been met, the letter argues.

NEIMME/JBA/26/181

Letter from Coltness Iron Company to McWhannell and Nelson, 8th August 1921, confirming the sending of a telegram to the solicitors suggesting that Mr. Kneale has not provided the detailed account of his claim that was promised and that Mr. Atkinson has been advised by telegram to get back in touch with Mr. Kneale and, if necessary, the solicitors themselves.

NEIMME/JBA/26/182

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 29th July 1921, asking if a claim should be made against Petters. The letter also remarks on the difficulty Mr. Russell has in reading Mr. Atkinson's letters due to the faintness of his writing, and in a postscript asks for a suggestion as to where Bore no.8 should be placed.

NEIMME/JBA/26/183

Letter from Henry Palmer to J.B. Atkinson, 30th July 1921, informing Mr. Atkinson that he has not heard anything more on the Wearmouth case and is shortly going on holiday to Normandy.

NEIMME/JBA/26/184

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 1st August 1921, concerning the enclosing of a communication from the Glasgow postmaster which Mr. Russell presumes concerns the problem with the brass piston rod of the Petters pump (NEIMME/JBA/26/165 etc.) and also remarking that Mr. Atkinson does not seem to take sufficient care in packaging parcels for posting.

NEIMME/JBA/26/185

Receipt from Stephen Percy to J.B. Atkinson, 30th June 1921, concerning materials sent and a further receipt added later.

NEIMME/JBA/26/186

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 26th July 1921, confirming the payment of wages to Mr. Manson and his son who have relocated to Kinross until the arrival of 5 inch tubes. Mr. Russell also confirms the enclosing of a bank draft to pay a Mr. Smith's wages, and remarks on the visit of his brother to Ramsey.

NEIMME/JBA/26/187

Notice to employers from the Ministry of Labour concerning the Unemployment Insurance Acts of 1920 and 1921 and showing the increased weekly rates of employer's contributions expected.

NEIMME/JBA/26/188

Letter from the Scottish Tube Company to J.B. Atkinson, 21st July 1921, apologising for the delay in despatching boring tubes due to the annual holiday of the firm and confirming a telegram (NEIMME/JBA/26/194) suggesting that it will probably not be possible to send the goods any earlier than three weeks thereafter.

NEIMME/JBA/26/189

Letter from (Robert?) Russell to J. B. Atkinson, 14th July 1921, expressing concern that his brother was not informed that Mr. Manson had relocated to Kinross when details needed to be confirmed about hours worked, future conditions, etc. According to the author, the brother is anxious as he is not being kept up to date with proceedings and is concerned that Mr. Manson may need to repay monies due to mistakes made.

NEIMME/JBA/26/190

Postcard from Mr. (?) Russell to J.B. Atkinson, 21st July 1921, confirming his visit to the Isle of Man and his preferred days for inspecting the Bore sites.

NEIMME/JBA/26/191

Letter from C.R. of the Coltness Iron Company to J.B. Atkinson, 22nd July 1921, confirming the sending of a cheque for expenses.

NEIMME/JBA/26/192

Telegram from (Robert?) Russell to Thomas Russell, 23rd July 1921, regarding the arrangements for working hours for borers and questioning why a Mr. Smith works only 11 hours a day rather than 12. The author expects these problems to be taken up with Mr. Manson.

NEIMME/JBA/26/193

Telegram from (?) Russell to J.B. Atkinson, 25th July 1921, remarking on a failure to get in touch and asking Mr. Atkinson to phone him that night.

NEIMME/JBA/26/194

Telegram from the Scottish Tube Company to J.B. Atkinson, 21st July 1921, confirming that due to the annual holiday the previous order will be sent one week later, and should arrive three weeks thereafter. (NEIMME/JBA/26/188)

NEIMME/JBA/26/195

Copy of timesheet from J & R. Thomson, 25th May 1921, showing working hours and payment to G. Manson, G. Manson Jnr and A (?) Smith.

NEIMME/JBA/26/196

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 14th July 1921, confirming the enclosing of a cheque for the amount requested on the timesheet, minus a sum regarded as a bonus, which Mr. Russell queries, along with a previous payment of a similar amount. A question is also raised as to the men working less than their agreed hours. A postscript mentions the enclosing of a letter from J & R. Thomson (NEIMME/JBA/26/197) and a timesheet that has been questioned as to its accuracy to payment due.

NEIMME/JBA/26/197

Letter from A. Adamson of J & R. Thomson (Castleblair) Ltd. to Coltness Iron Company, 13th July 1921, clarifying their position as the previous employers of Mr. Manson, his son and Mr. Smith as to hours worked, payment made and time left over for lunch breaks and cooking the midday meal, mentioning the enclosing of their last timesheet, giving details to that effect. (NEIMME/JBA/26/195)

NEIMME/JBA/26/198

Letter from J. B. Atkinson to the collector of taxes, 11th July 1921, querying an extra amount that is expected to be paid. A reply from the collector of taxes sent back and added to the letter explains that the extra amount is property tax and may be deductible.

NEIMME/JBA/26/199

Letter from John Roberts (late of Casey Mines) to J.B. Atkinson, 19th July 1921, enquiring whether there is a possibility of employment with his company.

NEIMME/JBA/26/200

Letter from C. R. of Coltness Iron Company to J. B. Atkinson, 15th July 1921, concerning the enclosing of an account from the Sullivan Machinery Company.

NEIMME/JBA/26/201

Letter from Robert Russell of Coltness Iron Company to J.B Atkinson, 14th July 1921, concerning the return of a letter from Professor Gregory (NEIMME/JBA/26/202), the sending of a copy of that letter and a previous one sent by Mr. Atkinson to Mr. Kendall, the enclosing of a letter from Mr. Kendall (NEIMME/JBA/26/203) and a querying of the date of Mr. Atkinson's letter to Professor Gregory.

NEIMME/JBA/26/202

Letter from Professor J.W. Gregory of Glasgow University to J.B. Atkinson, 30th June 1921, expressing doubt as to the suitability of Point Cranstal as a site since Bore no.2 has a proven fault through it and also to Lamplugh's presumed fault in the old Bore 2. The author also suggests that a site further west of the Point of Ayre fault may be advisable to avoid a great thickness of red sandstone.

NEIMME/JBA/26/203

Letter from J.D. Kendall to Robert Russell, 7th July 1921, expressing confusion with a letter from Professor Gregory and a previous letter from Mr. Atkinson which does not provide him with the questions to which Professor Gregory attempts to answer.

NEIMME/JBA/26/204

Letter from J.D. Kendall to Robert Russell, 25th June 1921, concerning the enclosing of a section through the old coal bores and the author's approximation of the location of the fault that passes through Bores 2 and 3 to the sea. Mr. Kendall also refers to the enclosing of a tracing showing the position of no.7 mine.

NEIMME/JBA/26/205

Letter from (Thomas?) Russell to J.B. Atkinson, 12th July 1921, concerning the ordering of boring tubes from the Scottish Tube Company and the enclosing of an account from Petters Ltd. for Mr. Atkinson's perusal and approval.

NEIMME/JBA/26/206

Letter from Coltness Iron Company to the Scottish Tube Company Ltd, 12th July 1921, accepting their quotation for boring tubes and asking them to be delivered via the Isle of Man Steam Packet Company in Liverpool to Ramsey, while also hoping they can be delivered in less than three weeks. (NEIMME/JBA/26/194)

NEIMME/JBA/26/207

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 11th July 1921, regarding the ongoing problem of Mr L. Kneale's claim for damages at no.1 Bore, advising Mr. Atkinson to meet with Mr. Kneale and settle even up to the amount of £20 he said he would settle for, as the cost of arbitration would be overly expensive for

the small sum in dispute. Mr. Russell also encloses a letter to the solicitors McWhannell and Nelson (NEIMME/JBA/26/209), and informs Mr. Atkinson that he intends to visit the Isle of Man in the near future.

NEIMME/JBA/26/208

Letter from McWhannell and Nelson to Coltness Iron Company, 7th July 1921, regarding the claim of their client Mr. Lawrence Kneale of Ballalheanney for surface damages of £25 for boring operations carried out between August 1919 and December 1920. The solicitors inform the company that Mr. Kneale has sent the particulars of his claim to them and is now asking for payment, although he is willing to have the amount settled by arbitration.

NEIMME/JBA/26/209

Letter from Coltness Iron Company to McWhannell and Nelson, 11th July 1921, confirming the receipt of their previous letter (NEIMME/JBA/26/208) and that they have sent it to their superintendent at Ramsey (Mr. Atkinson) for perusal.

NEIMME/JBA/26/210

Claim from L. Kneale to Coltness Iron Company, 12th January 1921, in which Mr Kneale claims £25 rental damages for land from August 1919 to December 28th 1920 and argues the reasonableness of the charge since one gateway has yet to be built up (rebuilt?) and one gate cost £4 alone for building up the pillars.

NEIMME/JBA/26/211

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 30th June 1921, concerning the enclosing of a paysheet and querying whether the two Mr. Mansons and Mr. Smith will continue to pay both health and unemployment insurance as they did when they worked for Thomsons in Scotland. Mr. Russell also alludes to a problem with the pay sheets and encloses an enquiry made to the tube makers.

NEIMME/JBA/26/212

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 20th June 1921, concerning the enclosing of an invoice received from Petters Ltd. for the pumping plant for inspection.

NEIMME/JBA/26/213

Inventory of equipment at No.6 Bore at Andreas, Isle of Man by D. Manson, 26th June 1921.

NEIMME/JBA/26/214

Inventory of equipment at Boring Plant, No.3 Bore at Andreas, Isle of Man by D. Manson, 26th June 1921.

NEIMME/JBA/26/215

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 1st July 1921, concerning the enclosing of copies of Mr D. Mansons' prepared inventory of Thomson's boring plant for Mr. Atkinson and Mr. Manson (NEIMME/JBA/26/213+ 214)

NEIMME/JBA/26/216

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 27th June 1921, concerning the enclosing of the account for boring from the Sullivan Machinery Company for inspection.

NEIMME/JBA/26/217

Newspaper article from the Iron and Coal Trades Review, 24th June 1921, pages 861-862, concerning industrial notes on coal, etc.

NEIMME/JBA/26/218

Letter from C.R of Coltness Iron Company to J.B. Atkinson, 29th June 1921, confirming the enclosing of Mr. Atkinson's salary.

NEIMME/JBA/26/219

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 2nd July 1921, concerning the enclosing of a letter from J.D. Kendall. (NEIMME/JBA/26/220)

NEIMME/JBA/26/220

Copy of letter from J.D. Kendall to Robert Russell, 30th June 1921, thanking Mr. Russell for the sending of results from 14 samples of ground from no.3 Bore which clarified the area of ground containing 46.5% (?)

NEIMME/JBA/26/221

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 24th June 1921, remarking on the friction that has arisen between Mr. Atkinson and Mr. J.D. Kendall and asking it to be brought to an end for the sake of the company. Mr. Russell expresses his wish that the two can consult on the placing of Boreholes while emphasising his confidence in Mr. Kendall's competence and also remarking that if agreement on the placing can not be reached, the final decision will be left to him. Mr. Russell also confirms that he will leave for the Isle of Man shortly.

NEIMME/JBA/26/222

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 27th May 1921, confirming the purchase of Thomson's boring plant after Mr. Manson has sent a full inventory to be examined and confirmed by Mr. Atkinson. Mr. Russell also confirms that Mr. Manson will be taken on as part of the deal.

NEIMME/JBA/26/223

Letter from J.D. Kendall to Robert Russell, 18th June 1921, expressing his theory that observation rather than theoretical ideas should be used in the searching for deposits. Mr. Kendall impresses on Mr. Russell that he knows the geological conditions of every deposit in Cumberland and Lancashire that ever existed and has written more on this subject than any other writer. It is this experience he uses as a guide rather than textbooks such as 'The Genesis of Hematite' which he has returned, as he is more concerned where a deposit is, than where it came from.

NEIMME/JBA/26/224

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 29th May 1921, mentioning the coming to terms with Thomson's over the boring plant, and expressing concern over the friction between Mr. Atkinson and Mr. Kendall which is not in the best interests of the company.

NEIMME/JBA/26/225

Letter from J.D. Kendall to Robert Russell, 25th May 1921, expressing doubts over Mr. Atkinson's boring activities, suggesting that he is not aware of the line of the fault to the West of Bores 2 and 3 and that material he has found is of no importance. Mr. Kendall also suggests keeping Thomson's machine and its operator, while finding Mr. Atkinson's idea to put a hole near no.2 Bore to fix the direction 'absurd'.

NEIMME/JBA/26/226

Typewritten copy of letter NEIMME/JBA/26/222.

NEIMME/JBA/26/227

Letter from J. D. Kendall to Robert Russell, 25th May 1921, expressing doubts as to Mr. Atkinson's competence at placing Boreholes, his reluctance to take advice and his lack of experience at the job, being more experienced at searching for reasons for mine accidents than geological science.

NEIMME/JBA/26/228

Letter from J.D. Kendall to Robert Russell, 26th May 1921, expressing regret at the harshness of his criticisms in NEIMME/JBA/26/227 but suggesting they were necessary due to Mr. Atkinson's refusal to back up his criticisms of Mr. Kendall's ideas with fact or argument, instead resorting to pet phrases such as 'I don't agree'. Mr. Kendall also refers to an incident when he tried to explain why he expected to see a fault at Bore no.3 but was rebuffed, while hoping in a postscript that Mr. Russell is well as his previous letter was sent from the Hydro.

NEIMME/JBA/26/229

Letter from J.D. Kendall to Robert Russell, 7th June 1921, concerning the response to letters from Mr. Atkinson and Professor Gregory and confirming that the samples received from Bore no.5 are shale. Mr. Kendall passes doubt on Mr. Atkinson's denial that he called material from a sample grey shale, with reference to a journal he had sent, and also expresses doubt that he can respond to Professor Gregory's letter without further information. Mr. Kendall also remarks on the enclosing of his view of the geological structure of the ground being used for boring as far as the evidence he has been given allows.

NEIMME/JBA/26/230

Letter from J. D. Kendall to Robert Russell, 6th June 1921, suggesting that the book 'The Genesis of Hematite' does not provide any help in locating such deposits on the Isle of Man. On the answers provided by Mr. Lamplugh on this question and others, Mr. Kendall expresses agreement on all but his suggestion as to where to find iron ore deposits, remarking on his experience in Furness that the largest deposits were found away from the Red Rocks, rather than along its margin. Mr. Kendall also suggests Mr. Atkinson is confusing the direction of the veins of hematite in the Isle of Man mentioned in the 'Genesis' book with the position of iron ore in the carboniferous limestone.

NEIMME/JBA/26/231

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 9th June 1921, concerning the enclosing of a letter from Mr. J.D. Kendall.

NEIMME/JBA/26/232

Letter from J.D. Kendall to J.B. Atkinson, 16th May 1921, advising Mr. Atkinson that since he has not received the samples or journal he requested, he will not be able to accurately state where he would position the no.6 Bore. Mr. Kendall instead remarks that he has enclosed an approximate position on a tracing, but requests not embarking on the Bore until advised to do so by Mr. R. Russell. Mr. Kendall also expresses disquiet at the placing of No. 3 Bore in a position not agreed to.

NEIMME/JBA/26/233

Letter from J.D. Kendall to Robert Russell, 4th June 1921, in which Mr. Kendall argues that Mr. Atkinson's lack of experience and failure to follow his advice accurately would lead to wasted time and money for the company. Mr. Kendall questions the accuracy of a specimen analysis from a journal which he has been sent, and proceeds to suggest that the placing of Bores nos.2, 3 and 5 are not in accordance with his instructions due to Mr. Atkinson's incompetence. The problems which Mr. Atkinson cites with water, haystacks and bogs, Mr. Kendall argues, are trifles compared to the accurate placing of Boreholes.

NEIMME/JBA/26/234

Letter from J.D. Kendall to Robert Russell. 14th June 1921, expressing doubt that a previous letter from Mr. Atkinson needs a reply. Mr. Kendall argues that Mr. Atkinson's disagreements with his conclusions are not backed up by any

evidence and that he should 'face the music' for his mistakes. A handwritten postscript from Robert Russell to Mr. Atkinson on the letter apologises for being unable to travel to the Isle of Man at that time.

NEIMME/JBA/26/235

Letter from J.D. Kendall to J.B. Atkinson, 8th July ( June?) 1921, remarking that he has never found anybody, in his 57 years experience, harder to work with than Mr. Atkinson and that the fault finding that he is accused of is entirely Mr. Atkinson's own fault. The author also suggests that there is no way the two can come together to argue on equal terms on the search for hematite as he has had more years of experience in this area than Mr. Atkinson has had hours, the suggestion being as absurd as Mr. Kendall professing to know as much about colliery explosions as Mr. Atkinson. The author concludes that he is still willing to work with Mr. Atkinson and discuss any differences of opinion, as long as Mr. Atkinson backs up his opinion with facts, which he never does, in Mr. Kendall's opinion.

NEIMME/JBA/26/236

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 24th June 1921, a copy of NEIMME/JBA/26/221 in the author's own handwriting(?)

NEIMME/JBA/26/237

Copy of letter from Coltness Iron Company sent to Stewarts and Lloyds Ltd, The Scottish Tube Company Ltd and John Spencer Ltd enquiring as to the companies best prices for two specific lapwelded steel or wrought iron boring tubes, and their earliest delivery available for same.

NEIMME/JBA/26/238

Extract showing percentage of iron found in 14 mineral samples from No.3 Bore in the Coltness Iron Works, 27th June 1921.

NEIMME/JBA/26/239

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 30th June 1921, concerning the enclosing of a letter from Mr. J.D. Kendall.

NEIMME/JBA/26/240

Tracing showing a proposed site for Bore No.7 from J.D. Kendall (The tracing alluded to in NEIMME/JBA/26/204?) or copy of section through old coal Bores alluded to in NEIMME/JBA/26/241 (?), date unknown.

NEIMME/JBA/26/241

Letter from C.R.on behalf of Robert Russell of Coltness Iron Company to J. B. Atkinson, 30th June 1921, concerning the enclosing of a letter and section through the old coal Bores (NEIMME/JBA/26/240?) from Mr. J.D. Kendall and a copy of an analysis by the Coltness chemist of 14 samples of mineral from No. 3 Bore (NEIMME/JBA/26/238).

NEIMME/JBA/26/242

Letter from Thomas Russell of Coltness Iron Company to J. B. Atkinson, 24th June 1921, regarding the ordering of 5 inch tubes which Mr. Manson recommends for the No.6 Bore. Mr. Russell asks for full particulars of the tubes to be ordered so there is no mistake in the ordering, and also suggests that a weekly journal of proceedings should be sent about the Bore from now on.

NEIMME/JBA/26/243

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 24th June 1921, regarding the enclosing of a bank draft drawn on London and pay sheet to be drawn free of commission in the Isle of Man.

NEIMME/JBA/26/244

Another copy of the letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, date unknown, previously available as NEIMME/JBA/26/222 and NEIMME/JBA/26/226.

NEIMME/JBA/26/245

Letter from J.A. McVicar of the Sullivan Machinery Company to J.B. Atkinson, 24th June 1921, regretting that the author will be unable to get over to the Isle of Man as quickly as Mr. Atkinson wishes due to a lack of fuel for his drills. Mr. McVicar suggests that Mr. Atkinson visits the company and tries the Silcroft links at which point it may be possible for the author to go back with him. Mr. McVicar also thanks Mr. Atkinson for his information about the Grand, and promises to visit it.

NEIMME/JBA/26/246

Receipt from Sergeant and Nicholson, tailors, to J.B. Atkinson, June 1921, for repaired 'knickers' and a repaired and re-pressed dinner jacket.

NEIMME/JBA/26/247

Letter on behalf of Robert Russell of the Coltness Iron Company to J.B. Atkinson, 8th June 1921, concerning the enclosing of a letter from J.D. Kendall containing a plan. Mr. Russell asks that the plan should be returned at Mr. Atkinson's earliest convenience.

NEIMME/JBA/26/248

Letter from Thomas(?) Smith of Petters Ltd. to J.B. Atkinson, 22nd June 1921, confirming the sending of the pumping set ordered by the Coltness Company by rail, and hoping for its arrival forthwith.

NEIMME/JBA/26/249

A confirmation of receipt of a telegram from the Coltness Iron Company to Petters Ltd, 22nd June 1921, confirming the sending of the pumping set mentioned in NEIMME/JBA/26/248.

NEIMME/JBA/26/250

Telegram from Robert Russell to J.B. Atkinson, 24th June 1921, with the same content as the previous letters NEIMME/JBA/26/222, NEIMME/JBA/26/224 and NEIMME/JBA/26/244.

NEIMME/JBA/26/251

Notice of an excursion to Ballikilpharick and the Sloc (sic) by William Cubbon, the honorary secretary of the Isle of Man Natural History and Antiquarian Society, 23rd June 1921, containing the itinerary of the visit which includes a ten-mile walk, a short business meeting and the presenting of a motion that certain Manx objects be loaned to the new museum.

NEIMME/JBA/26/252

Telegram from J.A. McVicar of the Sullivan Machinery Company to J.B. Atkinson, 22nd June 1921, enquiring as to when the next Bore will be ready to start and whether the location has been decided upon as the author would like to come over to witness the event.

NEIMME/JBA/26/253

Telegram from Petters Ltd to J.B. Atkinson, 22nd June 1921, confirming that the pumping set has been dispatched (as mentioned in NEIMME/JBA/26/248+249)

NEIMME/JBA/26/254

Letter from Robert Russell of Coltness Iron Company to J. B. Atkinson, 21st June 1921, concerning the enclosing of a letter from J.D. Kendall and, in a postscript, informing Mr. Atkinson that the small piece of kidney ore he found on the Ramsey golf course contained 66.72% iron.

NEIMME/JBA/26/255

Receipt from the Isle of Man Steam Packet Company, 15th June 1921, for 22 boring(?) tubes.

NEIMME/JBA/26/256

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 17th June 1921, concerning the enclosing of a letter from J.D. Kendall containing a tracing. Mr. Russell suggests Mr. Atkinson place the no.7 Borehole at either the place marked 7A or 7B on the tracing.

NEIMME/JBA/26/257

Tracing from J.D. Kendall to Robert Russell, 16th June 1921, containing two possible sitings for Bore No. 7 as mentioned in NEIMME/JBA/26/256.

NEIMME/JBA/26/258

Letter from J.D. Kendall to Robert Russell, 16th June 1921, regarding the shale samples he has received from No. 5 Bore and how they suggest the most likely placings for the no.7 Bore. Mr. Kendall suggests they must be placed with great care. In a postscript Mr. Kendall reveals he has just received a telegram from Mr. Atkinson revealing that he has stopped No.5 Bore.

NEIMME/JBA/26/259

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 19th June 1921, concerning the enclosing of a letter from J.D. Kendall and the Journal and the tracing of the geological structure he mentions in it.

NEIMME/JBA/26/260

Letter from R. McPhail, Resident Engineer and Manager of Petters Ltd, to Coltness Iron Company, 2nd June 1921, acknowledging the receipt of the order for a No. 3 standard pumping plant and that the delivery should be made by rail. The author also confirms that he has added the extra valves and strainers that the company inquired about at a small extra charge.

NEIMME/JBA/26/261

Tracing of map of (all of?) Isle of Man site along with references to the finding of drift and surfaces, saleferous marls, trias sandstone, Permian, Yoredales, Carboniferous limestone, basement beds and Manx slates, 25th May 1921.

NEIMME/JBA/26/262

Letter from J.R. Gregory of Glasgow University to J.B. Atkinson, 6th June 1921, regretting that he has been unable to check his maps and recollection of the district of Ramsey to fully respond to the evidence provided by Mr. Atkinson. The finding of no Carboniferous limestone from the Yoredales to the Manx slates is particularly surprising to Mr. Gregory, and the fact that the findings seem to sweep away the geological survey interpretation of the area under the drifts encourages Mr. Gregory to suggest to Mr. Atkinson to publish his results. Mr. Gregory also agrees that a bore at Port Cranstel may be useful as well as coal measures although on this point he has reservations.

NEIMME/JBA/26/263

Letter from C.R on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 15th June 1921, concerning the returning of a letter from Mr. Gregory and requesting a copy of Mr. Atkinson's reply, while requesting that Mr. Atkinson refrain from publishing anything until receiving approval.

NEIMME/JBA/26/264

Letter from C.R. of Coltness Iron Company to J.B. Atkinson, 16th June 1921, confirming the enclosing of an invoice from Stewarts & Lloyds for gas tubes for approval.

NEIMME/JBA/26/265

Letter from Thomas Russell of Coltness Iron Company to J.B. Atkinson, 11th June 1921, confirming receipt of a memo and the enclosing of a cheque covering the pay sheet (also enclosed) to be endorsed when the money has been paid.

NEIMME/JBA/26/266

Newspaper article by Ramsey Turner(?) entitled Coal Prospects in the North- Reported Success, 6th May 1921, reporting on the boring operations on the Isle of Man in the parish of Andreas, Ballalheaney, Ballavarry, Balleghane, Leakherrow and Ballasteen by American and Scotch (sic) companies. The article expresses optimism that there has been encouraging results in some areas, although it has not been entirely successful so far. The article also suggests that if amounts of coal are found in the North of the island, (as it is rumoured has been found in one Bore) the island's dependance on outside fuel supplies would be lessened and the cost of such fuel reduced. The article also mentions that prospecting is continuing under the capable hands of Mr. Atkinson representing a Scotch syndicate, 'a gentleman of considerable experience in the mineral world'.

NEIMME/JBA/26/267

Letter from J.A. McVicar of the Sullivan Machinery Company to J.B. Atkinson, 4th June 1921, expressing regret at the delay of sending a magazine, and expressing the hope that Mr. Atkinson's planned trip to Whitehaven might be extended with a trip to Mr. McVicar's own home in Bootle. Mr McVicar also expresses regret that he has not been able to visit the Isle of Man citing problems in keeping the drills he uses in fuel and confirms the despatch of a drill which is on its way to Bootle at the time of writing.

NEIMME/JBA/26/268

Letter from John T. Kee, coal and oil merchant, to J. B. Atkinson, 10th June 1921, confirming the receipt of a government permit to supply 10 tons of French coal for boring and that a steamer is on its way.

NEIMME/JBA/26/269

Letter from Thomas Russell of the Coltness Iron Company to J. B. Atkinson, 7th June 1921, concerning the enclosing of a letter from Petters Ltd and an advice note from Stewarts & Lloyds Ltd. for the gas tubes which have just been dispatched from Birmingham.

NEIMME/JBA/26/270

Letter from Graham, Shepherd and Sons to J.B. Atkinson, 4th June 1921, concerning the enclosing of the trustees' account for the John Willis Trust along with cheques to be signed and returned for Miss E.A. Willis and Graham, Shepherd and Sons.

NEIMME/JBA/26/271

Letter from Graham, Shepherd and Sons to J. B. Atkinson, 2nd June 1921, expressing regret at Mr. Atkinson's desire to resign as a trustee for the John Willis Trust, reminding him that in order to do so his co-trustees would have to agree while hoping he will reconsider. The letter ends by suggesting that nothing should be done until Miss Willis's views on the matter are ascertained.

NEIMME/JBA/26/272

Cash Account (no 77) and C.R. (cash receipt ?) from the trustees of Mr. John Willis for Miss E.A. Willis, 8th June 1921, featuring the amount due in interest to the executors of James Sallows and the amount received by Graham, Shepherd and sons and balance due to Miss Willis.

NEIMME/JBA/26/273

Letter from C. R. of the Coltness Iron Company to J. B. Atkinson, 1st June 1921, concerning the enclosing of an account from J & R. Thomson for approval and return.

NEIMME/JBA/26/274

Letter from G.G.(?) Atkinson to J(ack) B. Atkinson, 10th April 1921, touching on a number of subjects- questioning whether J.B. Atkinson has been able to find some use for a coal property the author mentioned; expressing pessimism at the state of coal production in post-war Britain in comparison to America and the detrimental effect of state control; the state of coal mining in Australia from which the letter has been sent; the personal problems of 'Jack's' fourth child after she ran a rusty nail through her leg and his desire to find a new position now his mine is worked out; the expression of gladness that 'Mabel's' work is proving congenial; 'Palmer's' work as a rugby union secretary and journalist and the slump in metal mining and prices.

NEIMME/JBA/26/275

Letter from Thomas Dodds, solicitor, to J.B. Atkinson, 12th May 1921, regarding the case of (Emma) Usher vs. Wearmouth Coal Company providing evidence which the author hopes will provide evidence for Mr. Atkinson on behalf of the plaintiff, with the questions (interrogatories) asked by Mrs. Usher of the coal company (NEIMME/JBA/26/276) and their replies (NEIMME/JBA/26/277).

NEIMME/JBA/26/276

The interrogatories on behalf of the plaintiff Emma Usher (married woman) against the Wearmouth Coal Company at the High Court of Justice, King's Bench Division, Newcastle upon Tyne District Registry, 1921, from Thomas Dodds, solicitor, asking such questions as what coal in the Maudlin and Hutton seams was 'worked to goaf or into pillars or otherwise' within a 800 foot radius of the plaintiff's house and whether the defendants have repaired or paid for any damage caused by the works within that radius.

NEIMME/JBA/26/277

The answers provided by the Wearmouth Coal Company to the interrogatories of Emma Usher at the High Court of Justice, King's Bench Division, Newcastle upon Tyne District Registry, 1921, from Thomas Eliot Parrington, agent and general manager of the defendant company, replying that in the Hutton seams, no coal has been worked within the suggested radius since 1900 but that in the Maudlin Seam a 'long narrow and irregular shaped strip of coal' partly in the area was worked between 1907 and 1908 and another small area of coal in the West was worked between 1911 and 1912. The defendants object to answering whether they have paid for or repaired damage for other houses, and were unable to answer for sure when the Maudlin Seam or Hutton Seam was worked to 'goaf', approximating not less than 25 years previously and more than 50 years previously respectively.

NEIMME/JBA/26/278

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 25th May 1921, concerning the confirmation of receipt of three letters from Mr. Atkinson and the enclosing of a letter from Mr. Kendall, a letter from Petters and two copies of a memo and map. The author has no objection to the sending of the notes to Mr. Gregory (NEIMME/JBA/26/262 etc.) and Mr. Smith (NEIMME/JBA/26/284), but is anxious that the missives do not mention iron ore until the land needed is secured. Mr. Russell also refers to a sample of powdered material which is somewhat smaller than the author imagined, and a telegram he has sent confirming that Thomsons are continuing to bore, and that Mr. Thomson will visit shortly. In a private aside, Mr. Russell mentions that Mr. (Peter) Thomson

has suggested that the company's finances are low and that Coltness pay the wages through Mr. Atkinson at this time and that Mr. Manson must not find out about this.

NEIMME/JBA/26/279

Letter from Thomas Russell of the Coltness Iron Company to J.B. Atkinson, 26th May 1921, referring to the previous letter (NEIMME/JBA/26/278) and the arrangement made to pay Thomson's Borers their wages. Thomson's have informed the author that they will send the paysheet to Mr. Manson every fortnight and he will then send it on to Mr. Atkinson who will then send it on to the company who on receipt of which will pay the men. The letter also encloses a returned account from John T. Kee. (NEIMME/JBA/26/268).

NEIMME/JBA/26/280

Letter from Thomas Russell of the Coltness Iron Company to J.B. Atkinson, 27th May 1921, confirming the enclosing of three letters- a copy of a letter from John Spencer Ltd (NEIMME/JBA/26/281), a copy of a letter from J & R. Thomson (NEIMME/JBA/26/282) and a copy of Coltness's reply to John Spencer Ltd. (NEIMME/JBA/26/283).

NEIMME/JBA/26/281

Copy of letter from John Spencer Ltd. to Coltness Iron Company, 20th May 1921, querying an order from the company as it did not include shoes or (driving) caps and suggesting that they send an order for same.

NEIMME/JBA/26/282

Copy of letter from Peter Thomson of J & R. Thomson and Company to Coltness Iron Company, 26th May 1921, confirming the need for an order of driving caps and shoes for the 7 inch tubes required for their next Bore. The letter also confirms the arrangement to pay their workers through Mr. Atkinson and their informing Mr. Manson of this.

NEIMME/JBA/26/283

Copy of letter from Coltness Iron Company to John Spencer Ltd, 27th May 1921, informing the company of the need for driving caps and shoes as mentioned in the previous letter (NEIMME/JBA/26/282) by J & R. Thomson and asking them to despatch them to the Isle of Man Steam Packet Company in Liverpool for delivery to Ramsey.

NEIMME/JBA/26/284

Letter from Bernard Smith to J. B. Atkinson, 9th April 1921, concerning the likelihood of finding limestones in Bore no.3 and problems to be overcome. The author also mentions having received specimens which are in the process of being examined.

NEIMME/JBA/26/285

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 23rd May 1921, concerning the enclosing of a letter from Alan C. Locke regarding a galvanized water tank (NEIMME/JBA/26/286) and another from the secretary of the Northern Lighthouse Board. (NEIMME/JBA/26/287)

NEIMME/JBA/26/286

Letter from Alan C. Locke to the Coltness Iron Company, 20th May 1921, offering a galvanised water tank for purchase. The author mentions it is a little short of the capacity the company requested, but is the best of those he has inspected. Mr Locke also mentions a potential difficulty in despatching the item due to a strike, but is prepared to purchase and hold the item until arrangements and/or inspection can be made.

NEIMME/JBA/26/287

Letter from C. David Peddie, secretary of the Northern Lighthouse Board, to the Coltness Iron Company, 21st May 1921, advising that the ten tons of coal requested by the company from the Northern Lighthouses stock cannot be supplied, as any coal that can be spared has already been agreed to be given to the Ramsey gas company.

NEIMME/JBA/26/288

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J. B. Atkinson, 21st May 1921, concerning the enclosing of a letter written to the Northern Lighthouse Commissioners,(NEIMME/JBA/26/289) another from J.D. Kendall (NEIMME/JBA/26/290) and another from Alan C. Locke (NEIMME/JBA/26/291) offering a galvanized tank with a memo by the company's mechanical engineer on the subject. The author also requests whether Mr. Atkinson wishes to purchase 1.5 or 2.5 inch pipes and who he wishes to purchase from.

NEIMME/JBA/26/289

Letter from the Coltness Iron Company to C.D. Peddie, 20th May 1921, requesting the giving of 10 tons of spare coal from the Northern Lighthouse commissioner's stock as a favour. (NEIMME/JBA/26/287).

NEIMME/JBA/26/290

Letter from J.D. Kendall to Robert Russell, 20th May 1921, pointedly disagreeing with Bernard Smith's conclusions that the conglomerates found in sections of Bore no. 1 correspond with those found in certain sections of no. 3 complete with an explanatory sketch.

NEIMME/JBA/26/291

Letter from Alan C. Locke to the Coltness Iron Company, 18th May 1921, apologizing for not being able to offer exactly the galvanized water tank requested, but offering a mild steel tank as an alternative.

NEIMME/JBA/26/292

Letter from Alex McGregor to Robert Russell, 16th May 1921, informing Mr. Russell of the galvanized cisterns offered by John Jackson and Company that most closely resemble the company's sizes and their prices.

NEIMME/JBA/26/293

Advertisement by Petters Limited for junior paraffin and semi-diesel crude oil engines, date unknown.

NEIMME/JBA/26/294

Letter from Petters Limited to J.B. Atkinson, 24th May 1921, querying whether, after providing Coltness with quotations for Petter Junior engines, an order will be forthcoming.

NEIMME/JBA/26/295

Letter from J.A. McVicar of Sullivan Machinery Company to J.B. Atkinson, 24th May 1921, referring to a letter from a Mr. Sandberg suggesting that Coltness are in need of a new machine as the 'shot drillers are giving up' and that the author may be able to supply a drill to them, if they apply quickly enough. Mr. McVicar also mentions an 'interesting' article by J.D. Kendall in the Mining magazine which he is sending to Mr. Atkinson and his relief that the company has been able to procure enough wood and coal to continue work that week.

NEIMME/JBA/26/296

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J. B. Atkinson, 12th May 1921, enclosing an account from John Spencer Ltd. for 7 inch tubes for approval and return.

NEIMME/JBA/26/297

Letter from P.A. Frisby of the Geological survey and Museum to J.B. Atkinson, 9th May 1921, referring Mr. Atkinson to Iron Ore reports published by the geological survey, in particular those found in volume 12 which Mr. Lamplugh recommends. He also refers to special reports on the mineral resources in Great Britain by the following authors- Bernard Smith, T.C. Cantrill, R.L Sherlock, Henry Dewey, T.F. Sibly, M.McGregor, G.W.Lee, G.V.Wilson, T. Robertson, J.S. Flett, G.W. Lamplugh, C.B. Wedd, J. Pringle, Sir A. Strahan and W.Gibson.

NEIMME/JBA/26/298

Telegram from (?) Russell of the Coltness Iron Company to J. B. Atkinson, 25th May 1921, confirming receipt of man(?) and advising that Thomsons will continue boring. Mr. Russell also warns Mr. Atkinson of an oncoming visit from Mr. Thomson.

NEIMME/JBA/26/299

Letter from Robert Russell of the Coltness Iron Company to J. B. Atkinson, 16th May 1921, concerning the enclosing of copies of letters to Petters Ltd. (NEIMME/JBA/26/300) and the tubemakers (Stewarts & Lloyds Ltd. and the Scottish Tube Company Ltd.) (NEIMME/JBA/26/301) and also enquiring about the availability of cisterns on Douglas and/or Ramsey.

NEIMME/JBA/26/300

Copy of letter from Coltness Iron Company to Petters Ltd, 16th May 1921, asking the company for a quote for their Petter pumping semi-portable no.3 set and asking for the earliest possible delivery time.

NEIMME/JBA/26/301

Copy of letter from Coltness Iron Company to Stewarts & Lloyds Ltd. and the Scottish Tube Company Ltd, 16th May 1921, asking for the respective companies' lowest quoted prices for delivering 1500 feet of 1and a half inch inside diameter gas quality tubes with random lengths of 15 to 18 feet.

NEIMME/JBA/26/302

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 17th May 1921, concerning the enclosing of a letter from J.D. Kendall (NEIMME/JBA/26/307?) and asking Mr. Atkinson for an explanation as regards its contents.

NEIMME/JBA/26/303

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 14th May 1921, concerning the enclosing of copies of a letter from Mr. Russell to J.D. Kendall (NEIMME/JBA/26/304) and Mr. Kendall's reply to it.(NEIMME/JBA/26/305)

NEIMME/JBA/26/304

Copy of letter from Robert Russell of the Coltness Iron Company to J. D. Kendall, 11th May 1921, concerning the enclosing of a letter from Mr. Atkinson and one from Mr. Lamplugh which was referred to in Atkinson's missive, with an enclosed cutting from the Ramsey Courier which was also referred to. Mr. Russell advises Mr. Kendall that the red rock sample Mr. Atkinson alludes to contains 46.5% iron according to the company chemist's analysis.

NEIMME/JBA/26/305

Letter from J.D. Kendall to Robert Russell, 13th May 1921, confirming the receipt and return of the Ramsey Courier article and also referring to the contents from a telegram he has received from Mr. Atkinson. Mr. Kendall remarks that when he receives the Journal and specimens Mr. Atkinson promises to send to him from Bore no. 3 he will send his proposed position for Bore no. 6. Referring to the letter sent by Mr. Russell (as mentioned in NEIMME/JBA/26/304) Mr. Kendall refers to the 'good deal of information' Mr. Atkinson claims to have gained from Mr. Lamplugh on his survey and hopes this information will be sent on to him if relevant.

NEIMME/JBA/26/306

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 14th May 1921, concerning the enclosing of letters from J&R. Thomson's and John Jas Christian along with the accounts and invoices contained within them for perusal and return.

NEIMME/JBA/26/307

Letter from J.D. Kendall to Robert Russell, 14th May 1921, complaining that he has not yet received the samples or journal promised him by Mr. Atkinson and avers that the information he has been given does not give him the 'opportunity of judging for himself' as to the significance of the finds of No.3 Bore and delays his opportunity of advising as to the position of Bore no. 6.

NEIMME/JBA/26/308

Letter from Coltness Iron Company to John Spencer Ltd., 18th May 1921, advising the company to send them shoes and driving caps which they had previously omitted from ordering.

NEIMME/JBA/26/309

Letter from A. Adamson, secretary of J& R. Thomson Ltd, to Coltness Iron Company, 16th May 1921, regarding the Ballalheany no.3 Bore, regretting the stopping of work on Bores 1 and 3 and the necessary withdrawal of the tubes involved. This is due, the company argues, to the heavy losses they have made whilst doing the work and a letter from Mr. Kendall which they acknowledge receiving on the subject makes no difference to the situation.

NEIMME/JBA/26/310

Letter from Robert Russell of the Coltness Iron Company to J.D. Kendall, 18th May 1921, concerning the enclosing of copies of a letter from Mr. Atkinson, the journal of Bore no.3, a letter from Bernard Smith to Mr. Atkinson, a letter Mr. Russell has sent Mr. Atkinson about Thomson's notice to withdraw from boring and Thomson's letter notifying Coltness of this (NEIMME/JBA/26/309) and asking for opinions thereon. Mr. Russell also remarks that he has asked for quotes from two companies for 1 and a half inch pipes and has contacted Petters Ltd.as regards the supplying of an oil engine and pump.

NEIMME/JBA/26/311

Letter from J.D. Kendall to Robert Russell, 16th May 1921, informing Mr. Russell of a letter he has sent to Mr. Atkinson remarking that he still has not received the samples and journal he requested for below 300 feet, and therefore can still not give totally accurate advice as to the position of Bore no.6, so provides a tracing of an approximation. He also expresses surprise that Bore No.3 was not within 300 feet of where he suggested, and advises Mr. Atkinson not to proceed on No.6 until advised by Mr. Russell while urging Mr. Atkinson to send the necessary information.

NEIMME/JBA/26/312

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 18th May 1921, concerning the enclosing of copies of letters from J.D. Kendall, a letter to John Spencer Ltd., a typed copy of No. 3 Borehole and a letter from J&R Thomson Ltd. The author agrees to the siting of the no.6 Borehole suggested by Mr. Kendall, and requests an explanation as to why the no. 3 Bore was placed 300 feet away from where Mr. Kendall suggested. Mr. Russell also asks the thickness of the shale from which a sample of ore was sent, and brings up the financial difficulties of Thomsons and their wish to desist further boring, asking for Mr. Atkinson's advice on the matter- whether to leave the boring of No. 6 hole until Sullivans have finished no.5 or not.

NEIMME/JBA/26/313

Letter from J.D. Kendall to Robert Russell, 18th May 1921, confirming no change to his previous suggestion as to where to place Bore no.6. The author refers to two tracings he has enclosed which he uses to proffer a theory as to where he presumes a strike on carboniferous rocks could be made.

NEIMME/JBA/26/314

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 19th May 1921, concerning the enclosing of a letter from J.D. Kendall (NEIMME/JBA/26/313) and the two tracings he refers to within it (NEIMME/JBA/26/315 + 316) for examination and comment.

NEIMME/JBA/26/315

Tracing by J.D. Kendall, 19th May 1921, showing the position of two faults he suggests must exist between Bores 1 and 3 to explain the lack of correspondence between the lower parts of the two Bores. (tracing no.2).

NEIMME/JBA/26/316

Tracing by J.D. Kendall, 19th May 1921, showing the position of the 'several' Bores as the author found them the last time he visited, with the line of the fault he believes has been proven between Bores 2 and 3 and the line of a probable strike. (Tracing no.1)

NEIMME/JBA/26/317

Letter from J.A. Lamplugh to J. B. Atkinson, 2nd(?) April 1921, thanking Mr. Atkinson for providing him with the Bore records, and confirming the wide spread of Carboniferous limestone found, although he also suggests that he cannot express a definitive opinion on the records alone and would need to see the Bores himself.

NEIMME/JBA/26/318

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 10th May 1921, concerning the enclosing of a letter from J.D. Kendall (NEIMME/JBA/26/319) and asking for an opinion as to how to reply to it. In a postscript, Mr. Russell also mentions the enclosing of an advice note from John Spencer Ltd. for their 7 inch tubes.

NEIMME/JBA/26/319

Letter from J.D. Kendall to Robert Russell, 7th May 1921, expressing dissatisfaction with the depth and accuracy of Mr. Atkinson's recorded activities in his journals, particularly in regard to shale beds, in which he hopes the findings of shale and limestone can be separated and more closely examined. The use of a percussive machine, he suggests, would provide more accurate information than the shot or diamond drill in this regard. Mr. Kendall also complains that , although he has now procured a copy of the Journal for no.5 Bore it was not through Mr. Atkinson, while Mr. Lamplugh was sent the Journals of no. 1 and no. 3 Bores.

NEIMME/JBA/26/320

Receipt from John Spencer Ltd. to Coltness Iron Company, 9th June 1921, confirming the forwarding of '50 lengths(?)' to Ramsey via J. Orford & Son, Coburg Dock, Liverpool.

NEIMME/JBA/26/321

Telegram from J.D. Kendall to J.B. Atkinson, 15th May 1921, requesting a journal showing ' below 300 feet'.

NEIMME/JBA/26/322

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 11th May 1921, confirming that the red rock sent as a sample contained 46.5% Iron, asking for notes from a Mr. Smith of the 'geological survey people' and remarking on the returning of a letter from J.A. Lamplugh (NEIMME/JBA/26/317?) that he is surprised that Mr. Atkinson gave such information to a third party (excluding Mr. Smith) without consulting him.

NEIMME/JBA/26/323

Letter from C.R on behalf of Robert Russell of the Coltness Iron Company to J.B. Atkinson, 30th April 1921, concerning the enclosing of an account from the Isle of Man Railway Company to be paid and then debited by the company.

NEIMME/JBA/26/324

Letter from R. Sargeant of the Government Office, Isle of Man to the Coltrim Iron Company(sic), 9th May 1921, regretting that the stock in the salt companies' hands will probably be needed for household use.

NEIMME/JBA/26/325

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 6th May 1921, expressing his displeasure at the news passed on to him from J. D. Kendall that Mr. Atkinson has passed on a copy of the journals from no.1 and no.2 Bores to J.A. Lamplugh, worrying that the information may be passed on to others before investigations are completed.

NEIMME/JBA/26/326

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 5th May 1921, concerning the enclosing of a letter from J.D. Kendall (NEIMME/JBA/26/327) and one sent to John Spencer Ltd. (NEIMME/JBA/26/328) for his perusal.

NEIMME/JBA/26/327

Letter from J.D. Kendall to Robert Russell, 2nd May 1921, concerning his recent visit to the Isle of Man and his observations while there. The author confirms preparing a journal of No.3 Bore which he includes and, after viewing the core, has not changed his previous opinion on how to proceed but complains that Mr. Atkinson did not provide all the samples he had asked for. Mr. Kendall also gives his opinion as to how the necessary water can be supplied to the Bores through 1 and a half inch pipes, and where these might be found. On the question of Boring plants, Mr. Kendall suggests that the tubes used by Sullivans are more efficient than those used by Thomsons since the former have couplings on their larger tubes. On the question of boring, the author argues that Sullivans are again superior since their workers work two shifts per day rather than one arguing that Thomsons should do the same 'at once'. He also comments that workers were 'sometimes absent drinking' and the foreman had been to Scotland twice. Mr. Kendall also remarks that he could not set out the no.6 hole as more information from no. 3 was needed.

NEIMME/JBA/26/328

Letter from Coltness Iron Company to John Spencer Ltd., 5th May 1921, arranging for the delivery of 300 feet of 7 inch tubes from Liverpool.

NEIMME/JBA/26/329

Letter fom C.R. on behalf of Robert Russell of the Coltness Iron Company, 3rd May 1921, concerning the enclosing of an account received from J & R. Thomsons to look at and correct if necessary.

NEIMME/JBA/26/330

Letter from Wood and Lord, solicitors, to J. B. Atkinson, 26th April 1921, enclosing a copy of the judgment given in the case of Crisp and the Hodbarrow Mining Company. (NEIMME/JBA/26/331)

NEIMME/JBA/26/331

Copy of the judgment given in the case of Crisp vs. the Hodbarrow Mining company, reprinted from the Million Gazette, 1st April 1921, in which the mining company were accused of negligence when an overhanging wall

collapsed on miners in an ironstone mine. The question of whether the under-captain of the mine should have bolstered the wall with stull pieces as had been suggested and in addition whether the mine owners could be proved equally negligent to the under-captain are discussed.

NEIMME/JBA/26/332

A special coal licence provided by the Maus (?) Salt Company to the Coltness Iron Company, 2nd May 1921, for the week ending 8th May 1921, providing coke to be used along with ore (?) for borings at Andreas.

NEIMME/JBA/26/333

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 28th April 1921, informing Mr. Atkinson of the contents of a letter from John Spencer Ltd. in which the company anticipate being able to dispatch their order in about two weeks, but due to their fuel problems, this may understandably be delayed.

NEIMME/JBA/26/334

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 27th April 1921, concerning the enclosing of a letter from J.D. Kendall concerning oil engines for pumping water (NEIMME/JBA/26/335) and an account from Sullivans asking for £30 for time wasted waiting for the positioning of a fixing site, which Mr. Russell trusts will not happen again. The author also mentions the miner's strike and the subsequent difficulty in procuring fuel and whether this could be used as a significant factor in persuading Sullivans to give up their claim. Mr. Russell also mentions the anticipated arrival of Mr. Kendall at the boring sites, and a telegram from John Spencer Ltd about the time needed for an order to be dispatched ( mentioned in NEIMME/JBA/26/333).

NEIMME/JBA/26/335

Letter from J.D. Kendall to Robert Russell, 24th April 1921, suggesting that the employment of a small transportable oil engine would be the simplest way of overcoming the problem of water supply in the Isle of Man and promising to look into this problem during his stay there.

NEIMME/JBA/26/336

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 27th April 1921, requesting tracings of the positions of Boreholes 1 through 5 and remarking on his belief that Thomsons were working on 1 and 3, with Sullivans at work on the rest. The author requests a tracing of Borehole 6, if it has been agreed on between Mr. Atkinson and J.D. Kendall.

NEIMME/JBA/26/337

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 23rd April 1921, concerning the enclosing of a letter from J.D. Kendall. (NEIMME/JBA/26/338)

NEIMME/JBA/26/338

Letter from J.D. Kendall to Robert Russell, 21st April 1921, remarking on his intention to telegraph Mr. Russell with details as to when he will visit the Isle of Man, and his intentions to study no.2 bore for the possible course of the fault through it and its direction from no.3.

NEIMME/JBA/26/339

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 25th April 1921, confirming the sending of a telegram (NEIMME/JBA/26/344) advising Mr. Atkinson to discuss with J.D. Kendall the question of fixing sites and Boreholes and seek his approval, whether he wishes to visit all of the sites or not.

NEIMME/JBA/26/340

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 24th April 1921, containing the same content as NEIMME/JBA/26/339 as well as remarking on enclosing letters written to Sullivans (NEIMME/JBA/26/341) and Thomsons (NEIMME/JBA/26/342) and his intention to telegraph Spencers regarding the 6 inch tubes.

NEIMME/JBA/26/341

Letter from Robert Russell of the Coltness Iron Company to Sullivans Machinery Company, 24th April 1921, regarding a supposed misunderstanding in which Mr. Atkinson decided to fix a new site hurriedly after finding slate below the drift in Borehole No.4, and implying that the companies' implication of neglect on Mr. Atkinson's part was premature and unnecessary.

NEIMME/JBA/26/342

Letter from Robert Russell of Coltness Iron Company to J & R. Thomsons Ltd, 24th April 1921, in which the author remarks on Mr. Atkinson's advice that Thomsons should effectively supervise the work of their men noting they have never visited their work sites to check progress and suggesting their proposal that Mr. Russell should take up supervision with Mr. Atkinson in charge is impracticable, as the latter admits he hasn't the experience in boring to undertake it.

NEIMME/JBA/26/343

Letter from the cashier of the Coltness Iron Company to J.B. Atkinson, 25th April 1921, sending a cheque in payment of expenses while correcting his claim for hotel bills downward.

NEIMME/JBA/26/344

Telegram from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 25th April 1921, containing the same information regarding J.D. Kendall's impending visit to the Isle of Man as NEIMME/JBA/26/ 339 and reiterated in NEIMME/JBA/26/340.

NEIMME/JBA/26/345

Letter from B.A. Longbotham (?) to Jennie Atkinson, 11th April 1921, remarking on the visit to Whittingham of 'Mildred' and Mrs. Atkinson while advising that the timber they have bought is from the Department of Trade and has not been cut down directly from the district. The author also suggests that 'Uncle Jack' would enjoy the trout fishing outside Mr. Longbotham's house, and despite a strained ankle, hopes for a visit from them soon.

NEIMME/JBA/26/346

Letter from ?. A. Longbotham (?) to Jennie Atkinson, 20th April 1921, expressing the hope that 'Uncle Jack' will visit 'on his way home' and indulge in some fishing despite the fish being late in spawning, while looking forward to a visit from 'Mildred' and Mrs. Atkinson in late June. The author also expresses his approval at the 'little fracas' with the miners and his hope this will settle 'all other labour differences'.

NEIMME/JBA/26/347

Telegram from (?) Russell to J.B. Atkinson, 22nd April 1921, advising that J. D. Kendall is leaving for Ramsey that day.

NEIMME/JBA/26/348

Letter from George Sommer (?), general manager of the New York Engineering Company to Mr. F(sic). B. Atkinson, 6th April 1921, advising on the usage of their empire drill as a placer testing drill and other purposes while suggesting that their catalogue will provide extra information.

NEIMME/JBA/26/349

Letter from Robert Russell of the Coltness Iron Company to J.D. Kendall, 20th April 1921, advising Mr. Kendall that a visit to the Isle of Man would be useful at the earliest opportunity to discuss issues with Mr. Atkinson.

NEIMME/JBA/26/350

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 20th April 1921, concerning the enclosing of a letter from J.D. Kendall and a copy of a letter Mr. Russell has sent to Mr. Kendall (NEIMME/JBA/26/349).

NEIMME/JBA/26/351

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 19th April 1921, remarking on J. D. Kendall's displeasure at Mr. Atkinson's placement of Borehole no.5, despite showing him a line along which the hole could have been moved.

NEIMME/JBA/26/352

Letter from J.D. Kendall to Robert Russell, 19th April 1921, remarking on his receiving of samples from Bores 1 and 3. Whilst satisfied with those received from Bore 1 Mr. Kendall suggests that there is not enough from 3 to give a considered opinion on the strata between 214 feet and 4 inches and 230 feet and 8 inches and would like further information and samples from same.

NEIMME/JBA/26/353

Letter from J.D. Kendall to Robert Russell, 18th April 1921, which Russell remarked upon in NEIMME/JBA/26/351, in which Mr. Kendall expressed his displeasure at the ignoring of his advice on the placement of bore no.5. The author also touches on the problem of recurring water, suggesting the making of a plan showing the different sources of water and the purchasing of a small portable boiler and pump to pump water to a bore if necessary. Mr. Kendall also suggests that the putting down of holes just because of a surfeit of water will lead to excess costs, and the complaint by Sullivans about the loss of time taken in fixing the position of Bores could be remedied if Mr. Atkinson would provide characteristic samples of ground to himself and Mr. Russell whenever he reaches the point where he believes no more ore can be taken, for analysis and discussion.

NEIMME/JBA/26/354

Letter from Ingrid Atkinson to J.B. Atkinson, 8th April 1921, apologising for the lateness of reply as her mother could not write for her earlier and the author's inability to come over to the Isle of Man in the Summer due to being too small. The author also remarks on the breaking of Mr. Atkinson's golfstick and the positioning of towels in the drawers of his room, remarks she would like to know how the boring is done, and hoping to visit around Christmas time.

NEIMME/JBA/26/355

Letter from Robert Russell of Coltness Iron Company to J.B. Atkinson, 16th April 1921, expressing annoyance at the suggestion of the Sullivan Machinery Company that the placement of Bore no. 5 has been delayed by neglecting to fix a fresh location, suggesting instead that a case like this takes time and skill to complete and that no time has been lost in trying to find a placement. He also remarks that he knows nobody who replies to correspondence as quickly as Mr. Kendall.

NEIMME/JBA/26/356

Letter from Sullivan Machinery Company to the Coltness Iron Company, 15th April 1921, remarked upon in NEIMME/JBA/26/355, in which the company expresses annoyance at their rig and crew lying idle after the conclusion of boring their last hole due to not fixing a new location. The company also remarks that they will be billing Coltness £5 per day while this situation continues, remarking that this in no way covers their expenses regarding crew, earning power of the drill and so on and therefore both companies will be losing money until the situation is remedied.

NEIMME/JBA/26/357

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 18th April 1921, concerning the enclosing of a letter from J&R Thomsons (NEIMME/JBA/26/358) and confirming that Mr. Atkinson's comments on the no.3 borehole have been passed on to the company.

NEIMME/JBA/26/358

Letter from J&R Thomsons to the Coltness Iron Company, 16th April 1921, reacting to the criticisms by J.D. Kendall and Mr. Atkinson of their work in comparison to Sullivan Machinery Company as regards the speed of tubing suggesting that nothing more can be done on their end but that they would not object to Coltness taking over the supervision of their work, with Mr. Atkinson in charge (remarked upon in NEIMME/JBA/26/342) provided the responsibility for repairs and the hiring of the plant was taken over by Coltness also. The letter also refers to Thomson's losses of between £200 and £300 to offset any accusations of wilful tardiness and incompetence.

NEIMME/JBA/26/359

Telegram from Robert Russell of the Coltness Iron Company to J. B. Atkinson, 19th April 1921, reiterating the content of NEIMME/JBA/26/351.

NEIMME/JBA/26/360

Letter from C.R. on behalf of Robert Russell of the Coltness Iron Company to J.B. Atkinson, 15th April 1921, confirming passing on information from Sullivan Machinery Company asking for prompt action on the location of a fresh drilling site because of the £5 penalty incurred by each days' delay. (as remarked upon in NEIMME/JBA/26/355+356).

NEIMME/JBA/26/361

Letter from B.E. Sergeant, Government Secretary, to J.B. Atkinson, 18th April 1921, regretting that the request for coal cannot be granted due to shortages in the Isle of Man domestic supply.

NEIMME/JBA/26/362

Letter from Robert Russell of the Coltness Iron Company to J. B. Atkinson, 13th April 1921, informing Mr. Atkinson that the sample of red shale from the no. 3 Bore he has sent him 'which looks like hematite' contains 12.2% iron.

NEIMME/JBA/26/363

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 11th April 1921, acknowledging the receipt of a telegram informing the author of McVicar's disquiet at the delay in finding the next bore location (NEIMME/JBA/26/372) and confirming the sending of a telegram from Mr. Russell to Mr. Atkinson showing the proposed position for no.5 bore by J.D. Kendall and asking who caused the delay in fixing. (NEIMME/JBA/26/365)

NEIMME/JBA/26/364

Letter from C.R. on behalf of Robert Russell of Coltness Iron Company to J.B. Atkinson, 12th April 1921, confirming the returning of a telegram (NEIMME/JBA/26/365) with an appended reply from Mr. Atkinson in which he remarks on the number of times he has called the matter of the no.5 bore to J.D. Kendall and Mr. Russell's attention and that, therefore, the delay is not his fault and also that the author has replied in his own telegram ( NEIMME/JBA/26/366) and awaits Mr. Atkinson's reply to a letter sent previously.

NEIMME/JBA/26/365

Telegram from Robert Russell of the Coltness Iron Company to J. B. Atkinson, 11th April 1921, containing the content remarked upon at the end of NEIMME/JBA/26/363 regarding the no.5 bore and the culpability for the delay and the appended reply from Mr. Atkinson (see NEIMME/JBA/26/364).

NEIMME/JBA/26/366

Telegram from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 12th April 1921, as remarked upon in NEIMME/JBA/26/364 as a reply to NEIMME/JBA/26/365.

NEIMME/JBA/26/367

Telegram from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 15th April 1921, informing Mr. Atkinson that Sullivans Machinery Company have remarked that the fresh drilling site has not been located and the £5 daily charge is continuing.

NEIMME/JBA/26/368

Letter from Robert Russell of the Coltness Iron Company to J.B. Atkinson, 10th April 1921, confirming the receipt of letters from Mr. Atkinson and the enclosing of three letters from J.D. Kendall and the return of a 6 inch map.

NEIMME/JBA/26/369

Letter from J.D. Kendall to Robert Russell, 7th April 1921, attempting to explain why the author suggested that the no. 5 Bore should be placed 'east of Knockbeg' to explore two different parts of the 'large field'. Mr Kendall explains that it is necessary to find the fault which he believes to be close to no. 4 Bore and that Mr. Atkinson's proposed placing is uneconomic and will not pass through the fault. Mr. Kendall also suspects that the proven second fault between Bores 2 and 3 runs nearly parallel to the Balleyhane fault and if there is a problem with water the no.5 Bore should be relocated to a place somewhere along Ballaverry.

NEIMME/JBA/26/370

Letter from J.D. Kendall to Robert Russell, 8th April 1921, remarking that the confirmation of water at Ballasteen has suggested to him a new placement for the no. 5 Bore which he shows in a drawing. Mr. Kendall also suggests that Mr. Atkinson should prepare a plan showing all the suitable sources of water adjacent to the two faults he referred to in his previous letter ( NEIMME/JBA/26/369).

NEIMME/JBA/26/371

Letter from J.D. Kendall to Robert Russell, 9th April 1921, asking for various samples of shale and rock from the no.3 and 1 Bores and a copy of (the journal?) for no 5 since Mr. Kendall contends that the information given by Mr. Atkinson is incomplete.

NEIMME/JBA/26/372

Telegram from (?) McVicar to J.B. Atkinson, 11th April 1921, remarked upon in NEIMME/JBA/26/363, in which Mr. McVicar expresses disquiet at the delay at finding the next bore location and the consequent £5 daily charge involved.

NEIMME/JBA/26/373

Letter from B.E. Sargeaunt, Government Secretary to the Coltness Iron Company (and all coal merchants), 4th April 1921, concerning the enclosing of the Coal (Distribution) Order 1921 and asking to be kept supplied with the information requested on the enclosed forms.

NEIMME/JBA/26/374

Five -page journal of no.1(hole? bore?) St.John Beckermert (?) by Robert Russell of the Coltness Iron Company 1899-1922, giving a description of strata and the thickness of materials found (sandstone, shale etc.)

NEIMME/JBA/26/375

Newspaper article (from the Daily Journal?) on the Durham Colliery disaster at Wingate pit, 18th October 1906, stamped as received by the mines inspector on the 13th November 1906, relating the deaths of 23 men and the search for one other (Thomas Elliott), the expression of sympathy from various members of the clergy and those involved in the running of the mine, the proposal of setting up a fund for the widows and children of the deceased and the setting up of a jury for the express purpose of identifying the victims and the probable causes of their deaths and expressing the hope that the clearing up of the damage and the determining of the disaster's causes will be carried out within two weeks.

NEIMME/JBA/26/376

Newspaper article from the Chronicle, 18th October 1906, stamped as received by the mines inspector on 13th November 1906, relating to the Wingate Pit disaster, giving details as in NEIMME/JBA/26/375 of the details of the pit disasters aftermath, while also providing a list of the 24 deceased (Thomas Kay, George Broomfield, William Hockaday, John Dixon, James Mason, Charles Stockdale, Lord Bentley, Henry Pace, George Bayliss, Isaac James, George Harris, Thomas Metcalf, Nat Farnworth, James Ainsley, George Smith, William Studham, Edward Hardy, Joe Grafton, Patrick Dunlavy, Peter Gilchrist, Thomas Maddison, James Morrison, Thomas Bainbridge and Thomas Elliott, the only one still missing), some personal details on the circumstances of the victim Edward Hardy, the placing of the victims in a joiners shop for the relatives to view and the circumstances of the survivors trapped in the Harvey seam from Sunday night until Tuesday morning as related by a Mr Purdy who was 'not the bit the worse for his 32 hours' imprisonment.'

NEIMME/JBA/26/377

Newspaper article from the Newcastle Daily Journal, 17th October 1906, relating to the Durham mine disaster as described in NEIMME/JBA/26/375+6, in which the causes of the deaths are remarked upon- the explosion in the Low Mine Seam and the gas which lead to the asphyxiation of the majority of the victims (only Thomas Maddison, John Dixon and George Broomfield suffering injuries from the falling of stone.) The article also relates the long drawn out process of rescuing the miners from the Hutton and Harvey seams.

NEIMME/JBA/26/378

Newspaper article from the Newcastle Daily Journal, 16th October 1906, reporting on the Wingate Colliery disaster, which in particular focuses on the circumstances of the explosion- the fact that there were nearly two hundred stonemen and shifters working in the pit at 11.40pm when the disaster occurred, and that some workers were unaware of the explosion over two hours later. Another shorter article remarks that the scale of the disaster is the largest since the Elemore Colliery in 1886.

NEIMME/JBA/26/379

Newspaper article from the Newcastle Daily Journal, 16th October 1906, on the Durham mining disaster, going into detail about the Wingate Colliery itself, its location, and the number of employees working there. (1,115 underground, 223 above). The article also relates the number of people working at the time of the incident (106 at the Harvey seam, 50 in the five-quarter seam, 26 in the Hutton seam and 90 in the Low Main seam, where the disaster occurred) and reports a larger death toll than previously thought- 28 (see NEIMME/JBA/26/376). The extra victims were identified as G. Harrison, H. Cunliff, Wilfrid Dawson, W. Peat and Harry Macgonnall (29?), some the attempted rescuers of the miners. The obstruction to the two shafts, the Lord and the Lady, caused by the explosion, were also reported. The effects of the firedamp gas, leading to swollen heads, severe burns and headaches to survivors were also reported.

NEIMME/JBA/26/380

Newspaper article from the Newcastle Daily Journal, 16th October 1906, giving additional details about the Wingate colliery disaster, along with a further account of the events relating to the heroism of the rescuers. Those who rendered help included 'Dr. Arthur, Colonel Burdon, John Wilson M.P, John Johnson M.P, W.C. Morant, the chief constable of Durham and Superintendent Heslop of Castle Eden' according to reports, while W.Armstrong, the agent for the colliery company and Mr. Owen the underground manager were the earliest of those in authority to arrive on the scene. It was also reported that one of the victims, Henry Pace, was killed trying to save a worker called Broomfield and also the finding of two dead pit ponies.

NEIMME/JBA/26/381

Newspaper article on the Wingate Colliery disaster, 17th October 1906, describing the aftermath of the incident as two days later some of the surviving miners prepared to go back home. By this point, according to the correspondent, the rescuers' work was done and all that remained was to lift out the remaining dead bodies. The police under Superintendent Heslop are seen to be keeping order, and two of the rescuers, a George Brown and Thomas Lumsden, were relating how Lumsden descended into the Lady shaft to ascertain the damage done. A further nine engineers, Henry Armstrong, Mr. Weeks of Willington, Mr. Coulson of Sherburn, Simon Tait of Trimdon, Mr. Watson of Deaf Hill Colliery, Mr. W.B. Wilson of Easington Colliery, Mr. T. Blandford of Deaf Hill, Claude B. Palmer of Felling and William Armstrong, Jr of Cramington, were making a survey of the upper beams for damage. All the bodies of the dead had been accounted for, except Thomas Elliott, who it was thought was buried under a heavy fall of stone. Four of those reported dead- Peat, Dawson, McGonnell and Cunliffe (see NEIMME/JBA/26/379)- were found alive after Peat, 'an old and experienced miner who knew every part of the pit' , led the other three to safety in 'the old workings of the main return'. The arrangements for an inquest and the funeral of the dead were also reported, as well as messages of sympathy, the fate of the pit ponies (six survivors out of the 70 or 80 ponies in the pit) and the condemnation of disparaging remarks made by some about the 'class' of some of the victims at a public meeting at the lecture hall, Dunston.

NEIMME/JBA/26/382

Newspaper article on the Wingate Colliery disaster, date unknown (17th October or later), reporting on the reducing of the reported death toll to 24 after the finding of Peat, Dawson, Macgonnall and Cunliffe (see NEIMME/JBA/26/381).

NEIMME/JBA/26/383

Newspaper article on the Wingate Colliery disaster, 16th October 1906, featuring an interview with the survivor, William Peat, and reporting on how he and his three comrades (see NEIMME/JBA/26/381+2) came upon others suffering from the effects of the afterdamp fumes, one already dead (Metcalf) and another who quickly succumbed (Kaye). Peat then reported, that beating a retreat from said fumes, they found a 'flat' where there was pure air in which they stayed for 18 hours. Peat eventually found a wire controlling a 'signal rapper' more commonly used to signal the 'waggonway' men which he continually rapped until a rescue party arrived. A postscript from another correspondent at 1.30 in the morning reported the bringing up of five further men, all well except a Mr. Metcalfe who was 'slightly injured on the head'.

NEIMME/JBA/26/384

Newspaper article from the Newcastle Daily Chronicle about 'the Wingate disaster', date unknown (16th October 1921?), taking an overview of the dangers involved in mining, and relating that the Wingate colliery lies in a part of the Durham coalfield that has been victim to serious disasters in the past, although improvements in ventilation and the increased vigilance of miners and management alike have meant less occurrences in recent years, the reporter argues. The authors' argument that the coal mines are still dangerous are backed up by his contending that, of the 877,000 men or so working in United Kingdom mines, there will probably be around 1,000 which will die through an explosion or other accident annually.

NEIMME/JBA/26/385

Newspaper article from the Newcastle Daily Chronicle, 16th October 1921, about the 'Durham Colliery Disaster', remarking on the 29 reported deaths and the continuing rescue attempts to free those still entombed. The author

remarks that although the neighbouring Seaham and Trindon Grange collieries had had gas explosions in the past, Wingate had not, although it had fallen victim to serious flooding three years previously (albeit with no loss of life). The previous conclusion that the colliery was free from the accumulation of gas, the reporter continues, has left the colliery manager W. Armstrong without an explanation as to the cause of the explosion.

NEIMME/JBA/26/386

Newspaper article (continuing on from NEIMME/JBA/26/385?) reporting the explosion and the aftermath of the Wingate Colliery Disaster, with details of those who were on the scene immediately after the explosion and as the day continued, including Robert Owen, the 'underviewer', who arrived first, W. Armstrong, the colliery manager, who arrived 'about three o'clock in the morning', Mr. Bailes, a surveyor, T. Robson, an engineer, T. Watson of Deaf Hill colliery, J.W. Laverick of Thornley colliery, R. Wilson of Pelton Fell, W. Wilson, W.F. Hall of Haswell, H.Y. Armstrong of Newcastle, George Hornsby of Sherburn Hill, Mr. Murray of Sherburn, Simon Tait of Trindon, Donald Bain, the H.M. Inspector of Mines and Mr. Walker, the assistant inspector. Others reported present were Colonel Burdon, the owner of the Royalty, Drs. James Arthur, William Arthur and W. Gordon Russell, and Reverends R. Simpson, the vicar of Wingate, Father O'Dowd of Hutton Henry, and G. Little of Castle Eden. Herbert and Alfred Belk arrived later representing the owners. The article continues with details of the rescue attempts, the damage in the Lord and Lady pits, a list of 29 presumed dead, and the news that the first miner rescued was a Robert Hordon, a 'boy' from the Hutton seam.

NEIMME/JBA/26/387

Newspaper article (continuing on from NEIMME/JBA/26/386?) reporting on 'scenes from the surface' at the Wingate disaster site, remarking on the crowds gathered, the constables employed to keep order, the surprising 'wonderful lack of confusion', and the engagement of some of the younger men in a game of football near the 'fatal shaft'. The reporter remarks that the crowds at the site did not start to diminish until nightfall, and that despite the slowness of proceedings, there was no 'shadow of fear' about those who were being brought to the surface. The article continues with a reporting of W. Armstrong's lack of an explanation for the disaster and a report on the first miner brought up from the pit, Robert Hordon, a boy working at the pumping engine with William Coverdale in the Hutton Seam. The reporter remarks that Hordon's father, who was present when his son came to the surface, was a survivor of the Trindon Grange explosion some twenty-five years previously. Another survivor, Thomas Ord, relates his experiences of working in the Low Main seam when the explosion occurred- not hearing the explosion, but knowing that something has happened through the 'change of wind'. Ord relates how the 'stopping' was blown out by the explosion and the 'stithe' was coming out. He continues by remarking his coming across the dead body of George Broomfield, his freeing first two men, then some more, with a man called Ridley. Finally, the reporter remarks that a T. Moffat, an electrical shot-firer from Castle Eden, was believed to be instrumental in bringing four men out from the Low Main Seam.

NEIMME/JBA/26/388

Newspaper article (continuing on from NEIMME/JBA/26/387?) reporting on the latest particulars of the Wingate disaster, as the rescue efforts continued, and two miners are rescued, Fred Parker and William Black, who report that all the miners they saw down below are uninjured and in good spirits, except for one whose 'eye is out'. The article also contains a diagram of the seams of the Lord and Lady pit, from the 5 and a quarter inch seam to the main coal seam, to the low main seam to the Hutton seam to the lowest, the Harvey seam. The article concludes with a list of previous 'explosions' in the North- at Barradon near Killingworth on the 2nd March, 1860; at Walker near Newcastle on the 22nd November 1862; at Pelton Fell on the 31st October 1866; at Hartley on the 16 January 1862; at Seaham on the 25th October 1871 and the 8th September 1880; at Lumley near Fencehouses in Durham on the 14th March 1882; at Tudhoe Colliery on the 18th April 1882; at West Stanley on the 19th April 1882; at Usworth on the 2nd March 1885; at Houghton-le-Spring on the 8th June 1885; at Elemore Colliery in Durham on the 2nd December 1886; at Walker near Newcastle on the 24th October 1887; at Hebburn Colliery on the 4th November 1889; at Brancepeth pit in Durham on the 13th April 1896; at Brandon Colliery in Durham on the 15th August 1899 and at Preston Colliery in North Shields on the 16th November 1900.

NEIMME/JBA/26/389

A Newspaper drawing, date unknown, of the scene at the pithead during the Wingate disaster(?), showing the railway lines, the gathering of people, the Colliery itself and the place' where the rescued were brought to bank'.

NEIMME/JBA/26/390

A copy of the no. 5 'sinking journal', 10th July 1906, stamped as received by the mines inspector 17th July 1906, at Frizington Mines showing the constitution of the ground at different layers, with differing amounts of shale, black shale, coal, grey and light sandstone and Ironstone(?).

NEIMME/JBA/26/391

Letter from Johan(?) Roberts, of Great Laxey Limited, Isle of Man, to A.(sic) B. Atkinson, Inspector of Mines, 2nd October 1906, stamped as received on the 4th October by the inspector of mines, concerning the enclosing of a tracing plan and longitudinal section of a dam built 'in the 255fm (fathom?) level' of the Great Laxey Mine.(NEIMME/JBA/26/392) Mr. Roberts affirms the dam is watertight, although he regrets that he has been unable to work the man engine (?) to the 110 fathom (?) level as promised due to the intense heat and subsequent cooling down of the rock in the ends of the Welsh shaft. The author also remarks on the necessity of timbering and dressing down to the 70 fathom level, and the constant working on the problem by 8 men, concluding that he will do 'his utmost' to get the man engine working as quickly as possible.

NEIMME/JBA/26/392

Tracing plan and longitudinal section of a dam constructed by Captain Radcliffe for the Great Laxey Mine at the 255 fathom level.

NEIMME/JBA/26/393

Assorted notes, date unknown, relating to the use and positioning of steam pipes and coal pumps.

NEIMME/JBA/26/394

Illustration of mine shaft, connected to inquiry into Wingate colliery disaster (?), date unknown.

NEIMME/JBA/26/395

Notes on Wingate inquest, date unknown, relating to the distances between the seams after the explosion and mentioning the names of A.R. Ruegg Q.C., Arthur Mulligan, the trustee of the legal estate, a Mr. Venter and H.J. Heath of the Durham Miners Association along with other evidence.

NEIMME/JBA/26/396

Notes on Wingate inquest, date unknown, noting the fates of various miners dependent on their location in the mine at the time of the explosion and the use of naked lights, fans, Donald lamps etc. in various parts of the mine at the same time. The amount of water found in the pit after the explosion is also touched upon.

NEIMME/JBA/26/397

Notes on Wingate inquest, date unknown, listing the supposed causes of death of 23 casualties of the disaster- Joseph Grafton being listed without an accompanying cause. CO<sub>2</sub> is listed as the determining factor in the deaths of Peter Gilchrist, James Ainsley, James Mason, Thomas Kay, Alfred George Harris, George Bayliss, Lord Bentley, Edward Hardy, William Studham and George Smith. CO is listed as the cause of death in the cases of William Hockaday, Thomas Stockdale, Thomas Metcalfe, Henry Pace, James Morrison, Thomas Bainbridge, Nat Farnworth, Patrick Dunlavey and Isaac James. George Broomfield, John Dixon and Thomas Elliott were reportedly killed by skull fractures, although the latter was found 10 days after the explosion. George Thomas Haddon, the one remaining on the list, was killed by a broken neck.

NEIMME/JBA/26/398

Notes on Wingate inquest, date unknown, reporting on the positions various victims were found in after the disaster, whether they were clothed or unclothed and their proximity to their lamps.

NEIMME/JBA/26/399

Notes on Wingate inquest, date unknown, remarking on the evidence found in the 'stable way' and given by those there at the time, suggesting the possibility of a 'shot' being fired although Haddon (Maddon?) remarked there had not been a shot fired 'on engine plane for 6 years'. The note taker (Atkinson?) concludes that it is not safe for any man to be down the pit when a shot is fired.

NEIMME/JBA/26/400

Notes on Wingate disaster, date unknown, continuing to assess evidence at the 5 quarter seam, reporting no signs of gas there or in the low main or in 'main coal' leading to speculation as to where it came from. The notes also remark on the presence of safety lamps, the checking of fans, the addition of new fans, the state of ventilation and no naked flames being reported along with the fate of Metcalfe and Peat.

NEIMME/JBA/26/401

Notes on Wingate disaster, date unknown, containing evidence provided by those who searched the mines after the explosion. The evidence included the findings of lamps and the condition of clothing of the people found in the aftermath. The evidence provided by Dr. B. Arthur referred to the injuries incurred by various miners including Maddison, Broomfield and Thomas Elliott, the final victim found with a fractured skull, smashed right shoulder, a large wound in his left side brow, his left foot cut off and a body macerated by water. The doctor puts forward the opinion that Maddison was probably the closest to the explosion when it occurred since he incurred burns to the hands, face and neck. The notes next contain evidence given by John (William?) Hill. He recounts finding the dead bodies of Isaac James, Patrick Dunlavey and George Smith among others. Hill also recalls finding John McDougall who survived the ordeal, and George Bayliss, who was alive when found but later died. James Elliott, the master waterman, recounts finding a Mr. Leonard alive and later Edward Hardy dead. James Powers, the local inspector found the bodies of George Harris, Joseph Grafton, William Hockaday, James Ainsley, Thomas Stockdale, Thomas Bainbridge, Peter Gilchrist, James Morrison, James Mason, Nat Farnworth, Thomas Kay and Maddison. The latter was found last in the stableway, with Thomas Metcalfe 4 or 5 yards away from him. The next recounted evidence was from Matthew Owen, who recalls finding Metcalfe lying dead in a refuge hole with Maddison lying in between (the?) rails. Edward Murton remarks on his being in charge of all the men in the Low Main Seam, and being below at the time of the explosion. He recalls seeing only one examiner at the cabin before the explosion. After encountering Thomas Bainbridge, who requested two men to help investigate and remarking on a 'fall' near where Maddison and Metcalfe were found, Murton recalls sending Maddison 'to the point to recall some to the hole' (?) and Bainbridge returning to his district where he found Maddison. Murton's argument is that he presumes Maddison fired a shot but that he knew that this was not permitted and he was not authorised or instructed to do so, and this could well have caused the explosion. The evidence is found to be fairly conclusive of explosives being used- 'there is every symptoms of a shot being fired'. The interviewee found Broomfield dead, and remarked that Thomas Elliott, who Murton had intended to fetch stones with pony 'and tulle' (?) never got there. The explosives thought to be used were not authorised, but there was found to be some missing from the shot box after the explosion as well as a missing fuse according to a witness (?), who also remarked that Maddison had asked for the box while Murton was in the cabin. George Bailes' testimony includes the finding of a spent fuse by Maddison's body.

NEIMME/JBA/26/402

Notes on Wingate disaster, date unknown, including a summing up of evidence in which the writer confirms that the vast majority of evidence would seem to suggest Maddison as the perpetrator of the explosion that caused the disaster- 'all officials think explosion started at Maddison'. The author concurs, and expresses his own belief that the explosion could not have been caused by an accumulation of gas, or problems with the lamps or fans, backed up by the evidence of Clark, William Armstrong and Robert Owen.

NEIMME/JBA/26/403

Further notes on evidence given by survivors of and commentators on the Wingate disaster, part of the local inspectors' report, 13th September 1906. The evidence given is provided by John Partridge (?), M. Blackett, C.S.Carnes, H. McGommel and William Peat. Blackett is said to have provided very good evidence, of which none is recorded. Mr. Partridge is described as a constructor with 24 years of experience in mining. He suggests that Maddison may well have thought that the main intake was among the safest places in the mine to fire shot, although he also insists that the official in charge should have got authorization. He also recounts his experience of working at the mine as a boy leaving 18 years previously, as a deputy of the district, working under the same manager William Armstrong. Mr. Carnes remarks on the custom of dusting and keeping the main road in the Low Main seam clear. Mr McGommel recalls last seeing Thomas Metcalfe alive at 11pm and remarks that he had no work where he was found beside Maddison, while also recalling continuing work for an hour and a half after the explosion. William Peat recalls going down the pit at 8pm, and reiterates Mr McGommel's comment that Metcalfe was not working with Maddison, although he did not see him at the time. After the explosion, he and McGommel later found the dead body of Metcalfe and moved him to the refuge hole. He also reports that McGommel left him and found the bodies of Grafton and Harris. Peat also remarks that in his almost 10 years as an examiner he had never found gas in the pit.

NEIMME/JBA/26/404

Further notes and measurements on the Wingate disaster, date unknown, showing the depths of the seams of the pit and the positioning(?) of staples and engines on September 27th, the placement and power of the fans and the number of men in the pit seams at the time of the disaster- 26 at the five quarter main, 55 in the Low Main, 28 in Hutton and 91 in Harvey.

NEIMME/JBA/26/405

Small note on the number of horses and ponies in the different seams of the Wingate mine, date unknown.

NEIMME/JBA/26/406

An illustration of the position of the Guibal(?) fan in conjunction with the Waddell(?) and an explanation that ventilation could not be obtained until its displacement was rectified, date unknown.

NEIMME/JBA/26/407

A measuring of the effect of the explosion at the Wingate mine as an earthquake underground at 11.40 pm from Winter and Son, Newcastle upon Tyne, date unknown. Notes on the back request a similar reading for North Seaton from J.B.A. (Atkinson?) dated 21st November 1906.

NEIMME/JBA/26/408

A list of the places the now-deceased men were sent to work on the night of the Wingate explosion, date unknown. 16 were reported working in the low main Seam, 3 in the main coal seam and five in the five quarter seam. A list of the tasks they were given is included.

NEIMME/JBA/26/409

Composition of the top of main bark of an unknown pit(?), stamped as received by the mines inspector on the 25th July 1905. The composition includes coal, split coal, ground coal, bastard fireclay, limestone, comb(?), blacks, band and jingling post(?) and includes a Cooper-eye seam.

NEIMME/JBA/26/410

A collection of notes on the composition of a section of the William Pit from the Allendale Coal Company, Workington, 11th August 1905, with a specific section on the composition of the white metal seam. The main section contains varying amounts of clay, coal, dark sill, light grey metal, dark metals, light sill, light blue metal and blue metal.

NEIMME/JBA/26/411

A collection of notes on the composition of a section of the Buckhill Pit, Great Broughton, 11th August 1905, marked as received on 15th August 1905 with sections on seams such as the main band seam and the three quarters seam.

NEIMME/JBA/26/412

A collection of notes on the composition of a section of the Lowther Pit, near Great Clifton, Workington, 11th August 1905.

NEIMME/JBA/26/413

A collection of notes on the composition of a section of shaft at All Hallows Colliery near Cumberland by J.Master(?) Shiels, stamped as received by the mining inspector on 22nd March 1905.

NEIMME/JBA/26/414

Copy of letter from W.D. Blakett, mining engineer to Professor Pedson, 26th Decr (sic) 1906, stamped as received by the mining inspector 15th January 1907, referring to the Urpeth explosion and its probable causes. Mr. Blakett remarks on his sending of samples to a Mr. Clague and promises to send more. Contending that calling the incident an explosion was probably an exaggeration, the author suggests the cause was probably a Westfallite shot fired into an atmosphere containing firedamp and fresh dust, exacerbated by an immediately preceding shot 'fired within about 6 ft. at the opposite side of a narrow coal winning place in the Busty Seam.' This led to the distillation of readily flammable gases leading to deadly afterdamp with carbon monoxide leading to severe burns and asphyxiation, the deputy who fired the shot running about 16 yards before collapsing dead. The heat was not initially evident at the face where the explosion occurred, but was later sufficient to burn off hair, wrinkle up and crack off outer skin and char cloth jackets and newspapers.

NEIMME/JBA/26/415

Newspaper article, date unknown, by a mining correspondent on possible new fields in Cumberland that may be able to supply hematite iron ore.

NEIMME/JBA/26/416

Tracing of a map of Monkhill(?) mines, date unknown, showing the position of coal and iron ore deposits.

NEIMME/JBA/26/417

Letter from Edward Nicholson of Montagu Colliery to J.B. Atkinson, 19th September 1906, providing 'as requested' a section of sinking below Blackwell at the Caroline pit and the sinking of upcart 60 yards from the Caroline pit showing the composition of both.

NEIMME/JBA/26/418

A collection of notes on the composition of a section of Preston colliery, showing 'a section of strata sunk through from thill(?) of Low Main Seam to 15 and a half fathoms below Brockwell Seam' dated from 13th May 1905 to January 6th 1906 and stamped by the mine inspector 30th January 1906.

NEIMME/JBA/26/419

A collection of notes on a section of strata from South Medomsley colliery, stamped received by the mine inspector 3rd May 1905.

NEIMME/JBA/26/420

Newspaper article from the Times(?), 19th April 1905, on the completion of the Hodbarrow sea barrier, a structure designed to avoid the flooding of areas set apart by the Hodbarrow mining company to extract hematite ore. The engineers Coode, Son and Matthews constructed a solid steel underpinning to avoid the incursion of water. The article also contains an illustration of the structure showing the relative positions of the wave-breaking blocks, the limestone, the clay, the steel cut-off and the puddled core.

NEIMME/JBA/26/421

A collection of newspaper advertisements, date unknown, including adverts for Joseph Dixon, a cabinet and joinery works, E. Griffin, a dress goods store and R. G. W. Bradley, a builder, joiner and contractor.

NEIMME/JBA/26/422

A collection of notes on the composition of a section of the no. 1 bore at Oatlands by 'the Diamond Rock boring boy', stamped by the mines inspector 6th September 1905.