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Correspondents. Viz:

Glynn Wynn Esq: No.11. Old Square Lincolns' Inn London

Thomas Erskine Esq: Dun near Montrose.

NEIMME/Bud/15/p0ya (loose)

May 1805 Letter to Mr Burrell Broompark. (Copy)

NEIMME/Bud/15/p0yb (loose)

Sir

I was duly favoured with your Of 15th April enclosing Mr Strakins Estimate for winning D.J [????????????], and in answer to the same shall agreeable to your request give you my candid opinion on the ~~Diddingtons~~ pumping Engine erected by Messrs B. & R. in consequence of their proposal.

On examination of the Engine the Materials, etc. appear to me to be executed in a very workman like manner and if properly kept in order and judiciously worked have no doubt of its sufficing to the full extent of its power. I am however of opinion that their proposal is rather high as under all the inconvenience of the Situation I should have stated £400 as a fair and liberal Sum for the erection of a machine of that description, exclusive of a Crab and Cral Rope, which in so small an Engine might have been dispensed with, although it is better to have them. I must at the same time beg leave to observe that Messrs Bailey and Reay not being in the full habit of Engine building could not possibly work to such advantage as those who make a profession of it and have a suitable establishment, as they would necessarily have to make new patterns for the castings etc. Work which does not appear in the Machine itself, although it takes a great deal of doing; but at the same time it must be observed that this is not consideration with the contracting party.

NEIMME/Bud/15/0yc (loose)

From the nature of Messrs Bailey & Reay's proposal I should suppose them entitled to the full amount thereof, deduction for the deficiency of 6 In. Cast Iron pipes that being the only part of the Contract which has not been fulfilled; they engaged the find 20 ta: of 6 In: Cast iron Pipes which Cwt. Gr. lb

would have weighed	58	2	21
They sent to the Colliery	<u>36</u>	<u>2</u>	<u>21</u>
Deficiency	<u>22</u>	--	--
Then from the full amount of their Contract	£ 485.	0.	0
Deduct the deficiency of Cast Iron 6 In. Pipe 22 Cwt @ 21/-	<u>23.</u>	<u>2.</u>	<u>0</u>
Net Sum due Messrs. Bailey & Reay.....	<u>£ 461.</u>	<u>18.</u>	<u>0</u>

The amount of Oliver's Work is shown in the Valuation being £91.19.6 including the Carriage of the Materials.

In addition to the Materials valued to the Undertakers the following articles are lying upon the premises near to the Engine viz:

7----6 In Pipes, weight 29cwt – 3gr – 19lb @ 21/-	£31..8..3
1----11 In “ 9 - 1 - 0 @ 16/-	<u>7..8..-</u>
	<u>£38..16..3</u>

The whole Amount of Engine Materials on the Colliery is:

Engine as per Valuation _____	£405 – 9 – 9
Iron Pipes as above not valued to the Undertaking _____	<u>38 – 16 – 3</u>

Net Value of Engine Materials on Doddington Colliery £444 – 6 – 0

NEIMME/Bud/15/p0yd (loose)

I feel much flattered by your polite invitation to spend a few Days at Broomepark during this Summer and if I have an opportunity will be glad to embrace it.

I am, etc, etc.

J.B.J

NEIMME/Bud/15/1

Walls-End Colliery February 17th 1802

Chas, Smith Esqr, Gwernllwynwith Swansea Wales

Dear Sir,

Yours of the 10th Inst. came to hand in Course, and as the unpleasant Business in which you are engaged between Messrs. Lockwood & Co. and the Neath Abbey Iron Co. seems to require Dispatch, I thought it best to answer that Part of your Letter which relates to it by return, and shall be very glad if my Observation or Opinion thereon prove of any Service to you. The other Parts of your Letter respecting the Diagonal Rod etc. of Mr Watts Engine I shall answer in a few Days, as well as your Enquiries about the Walls-end Engine etc.

Previous to giving an Opinion on the Subject above alluded to, I shall make a few observations, and first explain the Custom of our Country in such Cases.

When a Piece of Cast Iron Work of any Description as a working Band for instance, is ordered of a Founder, as soon as it is delivered to the Colliery it is carefully examined and if found defective in any Respect, the Founder is informed of it and comes to view it, when the Defect, either imaginary or real are pointed out to him; if he is satisfied that the Piece is really defective, he does not hesitate to cast another good one in its stead. But if on the Contrary he conceives that the objections made to his Work are frivolous, the Matter is either decided by indifferent Engineers, or the Founder takes the Risk upon himself and agrees to indemnify the Coal Owner for any Damage that may ensue from the insufficiency of the Work; but this latter mode is seldom adopted. If any Piece however Defective is put to work without being objected to in the Manner above stated the Coal Owner invariable suffers all Damage arising from Accident.

From your Letter it does not appear that Messrs. Lockwood & Co.

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positively objected to the Brass Piece, an Account of its insufficiency previous to its being used, nor complained of the coarseness of the Metal etc. till after it split. As to the inaccuracy of the boring, to the Extent and in the situation you describe, it cannot be considered by any Engineer, as being in the smallest Degree injurious to the Piece, as a skilful Workman will always fit his Boxes to the smallest Part of the Piece, and indeed we always make our new Pieces a little wider at the Top on Acct. of changing the Boxes more easily. I am however inclined to think that the Boxes in this Case have not been judiciously fit up, or it would have been impossible for the Cross Bars to have wore the Grooves you mention, if even the Pipes had stood at the greatest obliquity, that it was possible for the Engine to work them, as I never saw an instance of this Kind but where the Smith Work of the Box was very ill executed; at the same Time I would not have it understood that I consider the Grooves made by the Cross Bars of the Box as the Cause of bursting the Piece, but I am not quite certain whether or not the Furrow formed by something square Ended has not tended in some Degree towards the bursting of it, as it is evident from the Fracture taking Place there, that it has been the weakest Part of the Piece. However after all I must acknowledge that I cannot account for the

true Cause of the bursting of this Piece, nor indeed for many which I have seen happen the same Accident. I have known Pipes in this situation burst before they had delivered their Column of Water, and I have known others continue many Years in Work and then burst suddenly without any apparent Cause.

The most common kind of Fracture in such Cases is similar to this in question, but it is not uncommon for a large Piece

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of an irregular Form to be forced entirely out of the side of a Pipe. To avoid Accidents of Nature is the Reason why we so frequently hoop our Pipes with malleable Iron. I shall now after this long Preface give you my Opinion upon the Business in Question, this opinion is what I am certain the Award of Arbitrators from this Country would be in such a Case viz. that as Messrs. Lockwood & Co. did not positively object to the Piece previous to using it, nor obtain any Promise of Indemnity from the Neath Abbey Co. that they ought not, by any Means to be called upon to make good the Deficiency of the Piece, after it had been accepted as a good one and used for a Month by Lockwood & Co.

I am Dear Sir

Your most obedient Servant,

John Buddle Junr.

P.S. Although the Wet Saw Dust had considerably injured the drawing and description of the Stratification of your Country, yet luckily it remained perfectly legible. My Father and Friends desire their respectful Compliments.

NEIMME/Bud/15/4

Walls-end 28th May 1802

Mr Wm. Wilkinson South Place Boston Lincolnshire.

Dear Sir,

Would it be convenient to you to purchase a Quantity of Hay, of last year's growth for my Account? The quality must be equal to that of Buddle Redhead & Nelson's now shipping, or as much better as you please, and if you can buy on such Terms as to deliver it in the River Tyne @ £4 per ton weighed out there, including Commission, Freight and Charges of shipping, may purchase Two Hundred Tons and ship it as soon as convenient.

Please to inform me if you can obtain the Quantity, and what Mode of Payment will be most agreeable, begging my respectful Compliments to Mr Fydell, I am

Dear Sir, Yours sincerely

John Buddle Junr.

NEIMME/Bud/15/5

Walls-end 28th May 1802

Mr Wm. Marley. Hunslet near Leeds Yorkshire

Sir,

A Gentleman of my acquaintance is in want of a wire Fence to place across his Lawn to turn Sheep, if this should be in your Line will thank you to inform me on what Terms you could furnish a Quantity, say 300 Yards in Length and 4 Feet 9 In. high, and if you should have of different Kinds, plain or ornamented, please quote the Price

of each. If you are not in this Line you will oblige me by getting the Information from some of your Friends, who are, and your early Answer will oblige

Your obedient Servant

John Buddle Junr.

W. end 19th June 1802.

Mr Wm, Wilkinson. Boston

Dear Sir,

By your favour of 8th June I am sorry to find that you cannot succeed in purchasing Hay at my limits but as I am still inclined to purchase, could you undertaker to deliver from 100 to 200 say two hundred Tons, prime quality equal or superior to that shipping for B.R.N. of last year's growth, free in the river Tyne @ £5 per Ton, Payment Per Bill on London at 2 Mo: on delivery – your early Answer will oblige.

Dear Sir, etc.

John Buddle Junr.

NEIMME/Bud/15/6

Walls-end Sept: 15th 1802

Mr Tho. Curr Osborne's Hotel, Adelphi Strand London

Dear Sir,

Yours of the 8th Inst. informs me of your Intention of taking a long Tour which I wish you pleasantly through, but you do not hint anything about the Time when I may look for you here, as I expect you still keep your Intention of visiting us on your return from Ireland.

The William & Ann has arrived this Tide with Mr Wade's Engine, etc. etc. and I will have every Thing sent to their respective places of Destination with all convenient Speed. The Cowpen Flat Ropes are not yet set to work the alteration in the Shaft for new Meetings which I informed you of in my last, not being completed yet, but it must soon be done of Necessity as the last pair of Dicky's round Ropes are at work, and one of them is a very bad one. At Hebburn I may probably get the new 4 laid on, on condition of drawing the Work as quick as the round Ropes, as soon as the present pair fail, but we cannot possibly attempt with one of the 6's and one of the 4's in the present bustle of the Trade both Pits being at work double Shift as hard as ever they can go, and the very Idea of losing

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a single Score is excruciating to us. I was with Major Wade on Monday, and mentioned the Bill for the flat Ropes to him, and he promised to do something for me next Monday. I expect to see Mr Russell tomorrow and will ask him to settle your Balance for Walls end and will endeavour to remit you as soon as possible and remain,

Dear Sir

Yours truly

John Buddle Junr.

P.S. Rail road disposed of Viz.	Tons	Cwt	Qrs	lbs
Walls end.....	8	6	2	22
Hebburn	<u>8</u>	<u>6</u>	<u>2</u>	<u>19</u>
	16	13	2	13
Whitefield	<u>2</u>	<u>4</u>	<u>0</u>	<u>14</u>
Total	<u>18</u>	<u>17</u>	<u>1</u>	<u>27</u>

I think you must be mistaken with regard to £9.1.6 mentioned in your Letter as paid for Carriage if you refer to our settled Account you will find the Sum of £9.8.7 which you paid for Commission this is probably what you allude to. All that I have paid for Carriage is £6.6.0 paid Wm. Lowther for Freight 3d Apr 1801. Pray send me 2 Copies of your Coal Viewer by the Waggon as soon as convenient. J.B.J

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Walls-end September 28th 1802

Mr John Curr. to be left at the Post Office Dudley Staffordshire.

Dear Sir,

Enclosed I hand you two Bills amounting to £143.9.4 as below Viz. £ s d

Balance of Acct. for Ropes at Walls end, as settled when you were here.....	29	14	2
An Acct. for Cast Iron Goods for Walls end, being for all that is now due	<u>33</u>	<u>15</u>	<u>2</u>
	63	9	4
An Acct. for flat Ropes at Hebburn	<u>80</u>	<u>0</u>	<u>0</u>
	<u>£143</u>	<u>9</u>	<u>4</u>

Equating the Weight, Price & Quantity of work drawn at Hebburn by the Flat Ropes to Grimshaw's I make £102. 9. 6 the Sum due for them, but the Major would only pay £80 on Acct. and it was with considerable Difficulty I obtained that Sum from him, as he alleges, that the Ropers have given twelve Months Credit, and that you told him you would be at the Expense of putting up the Pulleys, shifting & adjusting the Hogs etc. I do not know anything of this Business, but you will recollect how it was to be adjusted, but as this is not a final Settlement you may probably be here again, before it may be necessary to adjust the Acct.

I have been at Cowpen this Morning where everything is nearly ready for laying on the Flat Ropes, whether we shall be able to put them upon the Machine on Saturday

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first or Saturday Week I know not, but will not be longer than the latter Day at any rate. Mr Watkins sends for his Ropes tomorrow, or Thursday, and will set them to work as soon afterwards as possible. We lay the old Pit at Hebburn Tub on Saturday next for the purpose of repairing the Tub, and I expect the Major will allow the new Pair of flat Ropes to be set to work there as soon after as the present pair of round ones fail, so that ere long I expect we shall be satisfied as to the Merit of the flat Ropes and sincerely wish it may succeed as well here as it has done in the Southern part of the Kingdom. I am rather afraid of the narrowness of Cowpen Pit being unfavourable to us. You have not mentioned Mr Peareth's flat Ropes in your Letters since I mentioned them to you, but expect you have put them forward, as he was enquiring after them yesterday. Have you seen or erected any winding Engines for drawing

Waggon along horizontally or up ascents. If so have the goodness to inform me to what Extent and if, with good Effect.

Believe me Dear Sir

Yours sincerely

John Buddle Junr.

P.S. I have not given you the particulars of the 33-15-2 for W.End Castings, as it is hardly worthwhile till the end of the Year, when I shall hand you a general Acct. Sales, if you should not be here in the Interim. J.B.J

I paid Captain English £4.13.2 for freight of flat Ropes.

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Walls end 13th Oct. 1802

Messrs Boulton & Watt & Co. Birmingham

Gentlemen,

The Owners of Percy main Colliery being in want of a relative Engine to draw 2, 20 Peck Corves at a Pull, from 120 Fathoms Deep, I shall obliged by your informing me as soon as convenient the Terms on which you can supply them with an Engine of that Description together with the Terms of Payment and length of Time necessary to complete it/ 20 Pecks of Coal weigh about 5 cwt.6

Enclosed I hand you a Bill amount £11.6.0 for a counting House Machine had 23rd March 1801 the receipt of which you will please to acknowledge when you write respecting the Engine.

I am Gentlemen,

your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/11

M. Russell Esqr. M.P.

Walls-end Colliery 11th May 1803

Sir,

20 Berkley Square London.

Since the receipt of yours of 30th Ulto: we have bought two Parcels of Hay amounting to upwards of 20 Tons & are in treaty for another Sample or two; I attend to your Instructions respecting the keeping up our Stock of [Hain]? Corn & have delivered your message respecting the same to Mr Humble.

I have been at Washington today concerting Measures with Mr Humble Etc, for the keeping up a supply of main Coal when the G Pit goes off. As the sinking of a new Pit will be a work of Time, say 2 Years, which is far too long a Period to be without main Coal, an Effort must be made somewhere to obtain some for the immediate Demand, on the G Pits going off, and the most proper Situation for this Purpose is in the B Pit, under the Penny-moor Clan, or under the Common to the East of it. Mr Russell will recollect that the Progress of the B Pit Workings in the whole Mine was put a Stop to towards the East by a Dyke, which was never explored, on which the Pillars were attempted to be wrought but a large feeder of Water being brought down in working

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off a few Walls, it was then thought advisable to abandon that Part of the Colliery for a time at least. The Idea which has struck me now and which meets with that approbation of Mr Humble Etc. Etc. is to set through this Dyke when, if the Coal should prove good, a sufficient Supply may be had till the new Pit is sunk; but in Case the Coal on the Contrary should not be good on the East side of the Dyke we must then work the Pillars formerly left when the feeder of Water came off in the best way we can, and although the Quantity obtainable in that Way may not be large, I have little doubt but it will be perfectly sufficient to support the Character of the Colliery, with a judicious mixture of the lower Seams. As we shall have the pleasure of Mr Russell's company at Home so soon it will be better to defer the final arrangement respecting the new Pit in Swan's Closes till his return as I have several Matters relative to it to propose, in the discussion of which his presence is necessary.

The Coal Trade still continues very flat on the Tyne, and Yesterday it was put almost entirely a Stop to by a hot Impress of the Pitmen, 10 of ours including a Skipper were put into the Tenders

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Hold, and it was with great difficulty that Mr Taylor could get the Skipper liberated. A Deputation of the Fitters, amongst whom were Mr Forster the late Mayor of Newcastle and Robert Clayton waited on the regulating Captain, whose Orders were peremptory to impress all able bodied Watermen on which Account he could not think himself justifiable in liberating any of the Keelmen, as they fully answered that description, until he had Orders from the Admiralty so to do. They however prevailed with him not to send them off till they could write the Board on the Subject, which I understand will be done by tomorrows Post; and the Trade will in a great measure be suspended till an Answer is returned, as the Keelmen will not continue to go any more till the Business is settled. The Fitters have got all their Skippers liberated, as they came under the Description of "the Masters of small trading Vessels". I am informed that the Impress has been equally smart at Sunderland which has also interrupted the Trade there. Mr Taylor would inform you of the result of Saturdays Meeting at the Walker Office, since which I have not heard any News.

Walls-end -----		<u>21595</u>	
Russell's main	4686		
Musgraves.....	1768		
Shaftoes.....	<u>1026</u>	7480 Chs.	
Small	1149		
Splint.....	200		
Fire Coal	<u>8</u>	<u>1357</u>	<u>8837</u>
Ulsworth by Ships.....	3487		
Small.....	<u>288</u>		
		Total	<u>3775</u>

I am Etc.Etc. J.B.J

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Walls-end Colliery 18th May 1803

M. Russell Esqr. M.P.

20 Barkley Square London

Sir,

Since I wrote you on the 11th Inst. our Vend has been almost at a standstill, as the impressed Keelmen have not been liberated and excepting a few Spout Ships we have not vended any Coals, in consequence of which our Heaps are becoming very large, and a considerable Expense is incurred in trimming the Skreens. The double Shift Pit Heap is almost full, on which Account we have laid off one of the Shifts today and go on with 3 Shifts tomorrow, by which we will raise from 22 to 23 Keels per Day till more Heap Room is made; but as the Prospect of vending is at present very bad, the Wind having been from the East for two or three Days with every appearance of continuing so for some time, and hardly any Ships in the Harbour together with the Embargo laid on on Monday Evening by which both coasting Vessels and those for foreign are detained; would you think it advisable to reduce our Workings to 20 or 22 Keels per Day, or keep up to our usual Standard of 26 to 28 Keels per Day? If we continue the workings at the full Pitch, a considerable Expense must necessarily be incurred in making Heap Room and banking out, but what is most to be apprehended is the serious waste and injury which the Coals will suffer by being heaped up in large Masses, and I doubt that the vending of large resting Heaps will incur a greater risk of injuring the Character of the Coals than

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any other Cause.

If you should think it right to reduce the Workings for the present, we can easily raise them again to the fullest Pitch on the appearance of a brisker Vend, but it will be attended with great convenience in the meantime, as we can work 20 or 22 Keels per Day very well with 3 Shifts.

We have several unbound Men employed, and should we reduce the Workings, they must according to Pit Law be dismissed before the bound Men are reduce a single Corf per Day; but as we have plenty of stowing Etc. going forward in preparing to work the Pillars, we can employ them in that way very well; the only objection against this Measure is the Expenditure of the Money 10 or 12 Months before it is absolutely necessary, but again, if we dismiss them they will immediately dispute through the Country and be very difficult to collect in case of need. I must therefore beg the favour of your directions on this Point.

There seems now very little prospect of the impressed Keelmen being discharged as the Captain of the Frigate wrote the Mayor of N.C. last Night to inform him that he had issued Orders to sail to the N[?] immediately with the impressed Men, and I understand that the Admiralty have not given the Fitters any reason to expect the liberation of their Men, on which Account a total

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Stop of the Keelmen has taken place, with every appearance of being an obstinate one, as they declare their intention of lying idle till their Comrades are set at liberty.

By the Papers on Monday we were informed of Lord Whitworth having left Paris, and in course the expectation of War immediately; E Nelson therefore took a range through the Country the next Morning and bought about 500 Bolls good Oats to be delivered at 4/10 & about 30 Tons Hat @ £5 delivered in, we will endeavour to buy freely of those Articles at the above Prices but have no great hopes of Success as the Farmers are looking up to better Prices; indeed our Coin Market advanced in Price last Saturday. Hay is also getting higher the late cold Winds having injured the Grass a good deal.

The Walker People have for some time past laid off their Skreens and are mixing the round and small Coals indiscriminately. I do not understand this Scheme, as it is very unlikely that they will be able to sell them at the present Price when even their best Coals do not go off. I think it is not unlikely that a reduction of Price may be the consequence.

I am etc.etc. J.B.J

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Mr John Curr Junr. In the Park Sheffield.

Dear Sir,

I have intended writing you for a Fortnight past respecting the Percy-main Engine but yours of 7th Instant having informed me of your intention to leave home for 10 Days I have postponed my Letter till I thought there might be a Chance of it finding you at home.

On calculation if I am correct I find that the Rope Wheel must make 22 Revolutions with a 6 Inch Rope to draw 2 Corves at a pull in 2 Minutes, which according to the sizes of the Spur and Nut Wheels will require the Engine to perform 71½ - 3½ feet Strokes in that Time and consequently the Piston will move with a Velocity of 250¼ feet per Second. And allowing ½ a Minute for landing the 2 Corves the Machine will deliver 48 Corves per Hour, but as 10 Hours out of 12 can at most be allowed for drawing Coals the Engine will deliver 24 Scores in that time.

Now I submit to your Consideration whether this is not too great a speed for the Engine to travel, as I am apprehensive that by its alternating so quick, too great a Strain will be laid upon the moving parts and eve going at this pace it will not draw the Coals sufficiently quick, as the 2 Corves ought to be drawn and landed in 2 Minutes. The Nut Wheel I am also

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of opinion is too weak as the drift or Sprain in its outer Rim must be very severe with the Engine going so quick; as to the large Spur Wheel I think it sufficiently strong. But the most objectionable Part of the whole Machine is in my opinion the Rope Wheel Axis, which in the smallest Part viz, between the outside Plane and the Spur Wheel is only 6 7/8 In. Diam: and the length 18 In. the Weight this Axle has to bear is as below viz, Tons Cwt qr.

Cast Iron Work in Wheels, Planes etc.....about 10. 0 . 0

	Tons.	Cwt.	qr.
2 Corves of Coals weigh	0.	12.	0
Power of Engine to raise Do.....	0.	12.	0
4 Empty Corves	0.	8.	0
4 Hooks and Chains	0.	7.	0
Ropes	<u>1.</u>	<u>0.</u>	<u>0</u> <u>2.</u> <u>19.</u> <u>0</u>
Exclusive of force to overcome Friction and Jerk of the Engine			<u>12.</u> <u>19.</u> <u>0</u>

I am really seriously apprehensive of the Axis breaking when the Engine goes to work unless it is preciously strengthened, on which Account I should be very glad if you will consult Mr Curr (who may probably have come home) on the best mode of securing it. Boulton and Watts' Machine Shaft were all made 7½ In. square at an End and 6½ or 7 at the other and out of 4 Engines built in this Neighbourhood 2 of them broke very soon on which Account we found it necessary to increase their dimensions very considerably. The best way to enable the Engine to do her work with sufficient dispatch would be to enlarge the Nut Wheel taking care to add a sufficient degree of Strength at the same Time,

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and this I suppose might be done in a Fortnight or 3 Weeks which will be as soon as the Engine will be ready for work which I am sorry to observe is 3 or 4 Weeks later than the time fixed, which was the 19th Inst. There are several

trifling alterations to be made, all of which put off a good deal of time so that it is impossible to say within a few days when the Engine may be completed, but I will endeavour to give you as good an Idea as possible when the time draws near, and I should be then exceedingly glad to see you or Mr Curr ever before we make a Start in order that you may have everything properly adjusted as any accident to delay more time would be a very serious affair indeed, as I do not think that there ever was a Coal Machine built of such importance to the Parties concerned as this.

I have just come from Cowpen where the Splice is going on exceedingly well. The Hebburn Flat Ropes are at work and going as well as possible, as are Mr Watkin's also which have not undergone any Material change since Mr Curr saw them .

With best respects to all Friends

I am Dear Sir truly yours

John Buddle Junr

NEIJME/Bud/15/20

Walls end June 10th 1803

A Mowbray Esqr. Durham,

Dear Sir,

Having two 1/6th shares of Cowpen Colliery to dispose of, if you or any of your Friends should be disposed to purchase I shall be glad to trade with you. The Shares will be sold on condition of prompt Payment only; but if it would be any accommodation they may be sold separately an early will oblige.

Dear Sir,

Yours truly.

John Buddle Junior.

NEIMME/Bud/15/21

Walls end Colliery 12th June 1803

Mr John Curr Junr. in the Park Sheffield.

Dear Sir,

Enclosed you have Bills Amt. £395.13.0 for Castings to Walls end Colliery and for which Mr Curr left the Receipt when he was last here. I had yours of 26th Ult: in course by which I'm glad to find that we are likely to have M. C. here in a few days, as the P. Engine will be ready to turn round by about Wednesday next and be set to Coal Work by tomorrow Week, by which time I expect there is a Chance of Mr C. being with us. I think you must have mistaken my meaning with respect to making a new Nut, as I never thought of making one without your directions; but only advised it to be done as an improvement to the Engine. As to the Axle and Nut Wheel I am glad to find that you have such perfect confidence in their sufficiency, and although you may have allayed you have not entirely cleared up my doubts as to that Point. As to the Axle being capable of supporting 40 tons suspended from its Centre I can readily allow, but this is on the Idea of its being in state of rest; the Case, is however, widely different when it is put in motion by Wheels, as the Violence it must suffer from their irregularities defies all calculation after having acquired a considerable Velocity. In our last built Machines both at W.end and Hebburn, where two Corves are drawn at a Pull from 120 Fathoms the Rope Wheel is upon the second Motion as at Pit Main the length of the Rope Roll Axis is 6Ft 9 In Shoulder and Shoulder and 9 In square through its whole length, which you will find to be nearly ½ as strong again as the P. Machine Axle in the smallest Part, by proportioning the Area of the length according to your own way of

calculating, but with this difference that the Weight which two Shafts of equal Diameter or Squares will bear to each other, is in the Inverse Proportion of their lengths. You will however

NEIME/Bud/15/22

find that your principle of calculation is erroneous if you refer to Emmerson's Mechanics 4 to 5th Edition Prop 73 where this Problem is demonstrated and by which I now calculate the relative Strength of the P. Main and W.end Axles; and find that the Strength of P. Main is to the Strength of Walls end as 4.868 to 9 which is nearly double. I do not mean to conclude that the P. Main Axle is to work from this calculation, but I am apprehensive of its being so and should certainly think it a prudent Measure to strengthen it in the weakest part previously to setting it to Coal Work and the mode of doing it is what I particularly wish to consult Mr Curr about.

The Northumberland Packet with their Rail Road arrived safe last Week. The flat Ropes everywhere are doing well; I saw Mr Watkins' Agent yesterday who says he does not perceive the smallest alteration in the Pensher Ropes. One of the Cowpen Ropes (the spliced one) finished its mortal Career last Friday Week after having drawn 2728 Scores 9 Corves.

With best respects to all Friends, believe me

Truly yours

John Buddle Junr.

NEIMME/Bud/15/23

Walls end June 22 1803

A.Mowbray Esqr. Durham

Dear Sir,

From yours of the 20th Inst. I am inclined to think that I had not clearly explained the principle of my Calculation of the Value of the two 1.6th shares of Cowpen Colliery on Sunday afternoon, as I certainly did not mean to have it understood that a Purchaser might expect £10 per Cent per Annum for the purchase Money, and the Capital paid back with £5 per Cent within the term of the Lease, but that a Purchaser might fairly expect £10 per Cent per Annum and the Capital paid back again within the term of the Lease which is upwards of 30 Years.

If Mr Barrington should think it eligible on those terms I shall be glad to wait upon him on Saturday and would thank you to inform me by a line whether I may come to Durham on Saturday 7th or not, or perhaps I may contrive to meet you in Newcastle on Friday. I have to view a Colliery at Irston for the Dean and Chapter on Friday and will return to Newcastle by 4 o'clock in the afternoon and will be glad to meet you at that hour, or any time in the Evening that may suit your Convenience.

I am,

Dear Sir

Yours truly

John Buddle Junr.

NEIMME/Bud/15/24

Walls end June 26th 1803

Mr Stobbart Lumley Park near Chester-le-Street

Dear Sir,

I have received a line from Mr [O***]? Informing me that Mr Brooks is inclined to sell his Colliery and Limestone Quarries at the Black Bays, and that Mr Mowbray has some thoughts of purchasing for his Brother in Law Mr Lodrup [?] and as I understand you are engaged on the part of Mr Mowbray, and [?] for Mr Brooks to view the Premises, I will thank you to inform me when it will be convenient for you to set about the Business. The sooner it is done the better as the Parties seem anxious to have it settled.

I am

Dear Sir,

Yours truly

John Buddle Junior.

Walls end June 26th 1803

William Emm Esqr. Auckland Castle.

Dear Sir,

I received your favour of the 22nd Inst. in course and attend to the Contents. I expected to have seen Mr Stobart in Newcastle yesterday, but was disappointed; I have therefore wrote him this Morning to request that he will fix as early an Opportunity as possible for settling the Business in question. When I hear from Mr Stobart I will write to inform you of the Time fixed for viewing the Premises. I am,

Dear Sir,

Yours respectfully

John Buddle Junr.

Pit>S. My Father desires his respectful Compliments.

NEIMME/Bud/15/25Wallsend Colliery 29 June 1803.

Thomas Wade Esqr. Osborns Hotel, Adelphi, London.

Dear Sir,

Since I wrote you, we have been employed at the sinking Pit in levelling the [?] down the Wall for a Tub which there is as great reason to suppose would have stopped the greatest part of the Water; but on Monday last our Proceedings were stopped by the Bottom part of the last length of Tub giving way, we do not know exactly in what Manner, but suspect the Stone under the wedging Crib to have failed. The Consequence was that the Water beat the Engine and got above the Leak before anything could be done to remedy it, and after trying the greatest Effort of the Engine for 24 Hours, I am fair to inform you that the Water still kept rising, so that we have no other resource left than putting up of another Engine. Mr Thompson and I have therefore arranged measures for fitting up a rrame Engine with all possible expedition. We have nearly all the heavy Materials for the purpose except a Boiler, 25 Fathoms of 18 In Pumps, all the Pump Tackle and part of the Main chains; there is Timber enough on the Premises for the Frame Beam etc, and we will want a few Stones for the Cylinder Pillar which we think of getting from Kills Quarry, I think from the number of Materials which are in readiness the Engine may be got ready for Work in about 8 Weeks provided the Smiths do not stop us; but you will please to give us Directions where the Pumps are to be cast

NEIMME/Bud/15/25a

perhaps it would be right to give all the Founders a Part as the whole Order is more than any one of them can execute in Time. We are under the necessity of having 18 In Pumps as there is not room in the Pit to put in two sets

of smaller Diameter. We have taken all the bound Men from the Sinking to here, and employ the remainder in the best way we can. We have not got the B Pit set on double Shift fairly as we have not got sufficient room in the Engine Way, but to make the best of it till we have, we work the Stappill for about 15 Hours and draw 28 Scores and then draw the Engine Way Coals the remaining 9 Hours and get about 8 Scores more. The A Pit is working 50~~xx~~per Day which makes about 86 ~~xx~~per Day. We must go on in this Way for a fortnight longer against which Time I expect we shall have room enough in the B Pit E Way for the 4th Shift.

Harrison has got Horses, sufficient including 2 both for the 4 Shifts, but as this is without any spare ones I think he ought to pick up 4 more if can, he may buy them at Stagshaw next Monday if he does light on in the mean Time.

Thompson has been with me this Evening and was at Crawcrook this Forenoon, where they had raised a feeder of Water on Monday from a Drill Hole which beat the Engine, but as the Stone is firm they can plug the Hole at Pleasure. They are all of Opinion the Water has abated considerably since it was first got and I fully expect this will be the Case, as water got at a Whin Girdle as this is; generally does; the

NEIMME/Bud/15/25b

Parting from which this Water aspires does not go all over the Pit as they have lsd to the Coal on the opposite side from the Pumps and the Hole has gone down dry.

	Fa.	Feet.
The Pit is Sunk.....	55.	4
Band to Top of Seam	2.	4
Thickness of Seam	<u>0.</u>	<u>4</u>
Total		<u>59.</u> 0 Depth

It is rather an unpleasant Circumstance to have so large a Feeder of Water this near the Coal but I fully expect it to take off for the reason above given.

I am sorry that I have not had more pleasant communications to make, but when Things are at the worst they may be fairly expected to mend. I have however the pleasure to add that there is a brisk Demand for the Coals'

I am.

Dear Sir,

Yours truly

J.B.Junr.

NEIMME/Bud/15/26a

Walls end Colliery 17th July 1803

Mr John Curr Junr: in the Park Sheffield.

Dear Sir,

At a Meeting of the Percy-main Company yesterday, in consequence of the unfortunate Accident and Delays which have attended your Engine, they have come to the resolution of ordering a new one of the best construction on Boulton & Watts Plan, to avoid if possible similar Disappointments in future; on which Account they request that you may not proceed with the proposed alterations as fixed on the 5th and 6th Inst. as they intend to repair the fly Shaft again and endeavour to draw Coals with the single corf, till the new Engine can be got ready for work. It is much to

be regretted that Mr Curr was not present on this Occasion, as in that Case probably, something more advantageous to both Parties might have been suggested.

I am,

Dear Sir,

Yours truly,

John Buddle Junr.

P.S. You will please to put the following Order in execution as soon as possible. Viz.

A Pair flat ropes 120 Fathoms long for Messrs Fenwick and Co. Lambton.

A Pair ditto ----- 110 Fathoms long for Mr Watkin at Harraton Colliery

No change in the Pensher Ropes yet.

NEIMME/Bud/15/26b

Walls end November 6th 1803

Mr William Retland. Gunmaker Birmingham

Sir,

Although I have not had the pleasure of hearing from you respecting our Rifles, I fully expect that 20 or 30 of them are forwarded by this Time and hope to hear of the whole being completed in 8 or 10 Days. I must beg of you to send me 7 Rifle plain barrelled Pistols as soon as possible such as those you showed me for Rifle Officers the Prices of which are about £3.15sh 0d the Brace. I must observe that I shall be particularly obliged by your completing the Rifles etc. as soon as possible

I am Sir,

Your most obedient Servant,

John Buddle Junr.

NEIMME/Bud/15/27

Walls end November 6th 1803

Messrs Underhill & Dutton Birmingham.

Gentlemen,

Since I had the pleasure of writing you yesterday, our Officers have determined to have their Caps of Leather and beg that you may finish them in your best style, for this Purpose I must refer to your Mr Dutton and beg him to finish and embellish them according to his own Taste which I am certain will give us all Satisfaction. You will please to send 7 Officers Caps and 7 Sashes, which is one in addition to those ordered yesterday, and also 2 Sergeants Sashes more making 8 in the whole, an additional waist belt of which Leather for an Officer with Mountings the sane as the others must also be sent. I must also beg of you to send 70 Gro: of black buttons No. 0322 in the Pattern Card, Price 1/6 per Gro: and as the Clothing cannot be finished till the buttons come, think you had better send off $\frac{1}{3}$ or $\frac{1}{2}$ of the order by the Coach and the remainder by the Waggon. The Officers Caps must all be the Size of the pattern Cap which is $7\frac{3}{4}$ In. by 6 In

I am Gentlemen

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/28

Walls end November 6th 1803

Messrs. Joseph Gibbins & Rose Copper Co. Birmingham.

Gentlemen,

On getting home I find my Business so suffixed as to render it impossible for me to be absent so long as a Journey to Wales must necessarily require on which Account I am prevented complying with your Request. I am sorry to be so situated as under more favourable Circumstances I should have been very glad to have availed myself of so favourable an opportunity to visit south Wales.

I am respectfully, Gentlemen

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/29

Walls end 17 November 1803

Mr Osborne. Birmingham

Sir,

The Sabre has come safe to Hand and is approved by our Officer, in consequence of which you much oblige me by making Six more and forwarding them as soon as possible according to the Direction I left with your Bookkeeper, and if you can with convenience throw 1 or 1½ In longer in the Blade we will like them better. You will particularly oblige me by sending them off by one or two at a Time as finished. We have had a good deal of Rain here which I hope has also extended to Birmingham and set your Mills agoing in which Case I flatter myself that you will be able to finish our Sabres very soon. The Gentlemen of the Corps prefer Green and Gold Sword Knots if you could procure them instead of the regulation ones.

I am Sir

Your most obedient Servant

J.B.Junr.

P.S. Please to inform me whether you prefer being remitted as the Sabres arrive or not till the whole order is completed either Mode is agreeable to me. I shall be glad to hear from you when convenient.

NEIMME/Bud/15/30

Walls end 17th November 1803

Mr Harrison

Birmingham

Sir, As I have not had the Pleasure of hearing from you since I gave you the Order for the Powder Horns for our Riflemen I will be obliged by you informing me by Letter in what state of forwardness you have them and when hyou expect to finish the Order.

I must also beg the Favour of you sending those for the Officers as soon as possible, and likewise those which are finished for the Men, handing an Invoice at the same Time and I will remit you the Amount.

I am Sir

your most obedient Servant

J.B.Junr.

Walls end 17 November 1803

Messrs Grice and Morriss Birmingham

Mr Morris Sir,

I must beg the favour of your making other two Rifles of the same description as those I ordered when at Birmingham, for two of my friends. I do not recollect whether I ordered them with Swivel, at the Muzzles to secure the Ramrod, but if I have omitted doing so you will please to make addition. Please to present my respectful compliments to Mrs & Miss Morris to whom I beg my best acknowledgements for their politeness when at Birmingham.

I shall be glad to be informed when you finish the Rifles and hope you will send Bullet Mold and Bullet Drawers with every necessary Apparatus with them.

I am Sir

your ever obedient Servant

J. B, Junr.

NEIMME/Bud/15/31

Walls end 18 Nov. 1803

Mr Wm Kitland Birmingham

Sir,

As I have not had the pleasure of hearing from you since I was in Birmingham respecting the Rifles I have become a little anxious especially as I fully expected 20 or 30 of them to have been at Newcastle before this time. I must therefore beg the favour of you informing me in what state of forwardness they are and when you expect to forward the whole Order as the Corps is very desirous to have them. You will also please inform me whether it will be more agreeable for me to remit you as the Rifles arrive in small Parcels or not till the whole arrive.

I am Sir,

your most obedient Servant

J.B.Junr.

P.S. pray send off the Officer Pistol etc as soon as possible.

I pray don't forget to send me a table of the proof of guns etc as you promised me. I hope the late Rains have enabled you to finish our Rifles before this time.

NEIMME/Bud/15/32

Walls end 18th November 1803

Messrs Underhill & Dutton Birmingham

Gentlemen

As the Gentlemen of our Corps are very anxious to have their Accoutrements; a line from you stating when we may expect them will be very acceptable. And I shall feel particularly obliged by your sending of the Caps and buttons as soon as possible especially the Buttons as we are at a standstill with the clothing till they arrive. The Officers are very desirous to have their Caps and waist Belts, on which Account I trust you will forward them as speedily as may be.

We expect something very neat in the Officers Caps, from the exertions of Mr Dutton Senior.

I am Gentlemen

Your most obedient Servant

J.B.Junr.

NEIMME/Bud/15/33

Walls end December 1st 1803

Messrs Underhill & Dutton Birmingham

Gentlemen,

I was favoured with yours of the 22nd Ult. In Course, and feel disappointed in not being informed when any part of my order may provably be sent off, as your Mr Dutton assured me on the 22nd October that the whole would be completed in three Weeks from that time, and on the 22nd November I am informed that the whole will be finished as expeditiously as possible without giving me the least Idea whether it will be in a Week or a Month. You will pardon the liberty I take in again pressing you to forward the Buttons & Caps as soon as possible, being urged to it by the Gentlemen of our Corps, whose Clothes cannot be finished for want of the Buttons, and as we have to be reviewed on Monday Fortnight are extremely solicitous to be completely equipped against that time. If the whole Order is not finished pray send off what is ready a part of the whole of the Buttons by the Coach and the

NEIMME/Bud/15/34

Officers Caps and Accoutrements by the Waggon without delay. Pray favour me with a line saying when we may expect the Buttons, Caps etc.

I am Gentlemen

Your most obedient Servant

J.B.Junior

Walls end December 1st 1803

Mr W. Kitland Birmingham

Sir, I am duly favoured with yours of the 21st Ult. From which I am led to expect that 50 of the rifles together with the Pistols are on the Road by this time. It would have given me great pleasure to have been informed of the whole order being completed, as the time in which you gave me reason to expect them is expired, but I have the greatest Confidence that you will exert yourself to the utmost to finish the Order as soon as possible and hope to be informed of that event in the course of a Week. Please to make another Rifle the same as I ordered for my Friend and Self, and send

NEIMME/Bud/15/35

as soon as you can, as also 12 Doz. Bullet Molds for the Rifles instead of the Number I ordered before.

I am Sir

Your most obedient Servant

J.B.J.

P.S. if you see Mr Osborne will thank you to give my respectful compliments to him and beg him for G—ds sake to send the Sabres as soon as possible, and the same to Mr Dutton respecting our Caps and Accoutrements.

Walls end December 2nd 1803

Mr George Harrison, Powder-Horn Maker, Catherine Street, Birmingham.

Sir,

Your favour of the 26th Ult: covering Invoice of 60 Powder horns Amount £16.10.0 came to hand in Course, and I herewith remit you Sir M White Ridley Bart & Co's Bill at 30 Days on Messrs Castell Powell & Co London for that firm, which I hope you will safely receive and acknowledge the receipt of the same. You will particularly oblige me by forwarding the remainder as early as possible which I expect will be very soon as my Order must by this time stand first in your Book.

I am Sir, your Obedient Servant

J.B.J.

NEWIMME/Bud/15/36

Walls end 4th December 1803

E. Bragg Esqr: War Office London

Sir,

In reply to your favour 22nd Ult: I take the liberty to recommend Mr John Hoggett of Walls end a Second Lieut: in the Corps under my Command as Pay-master to the same; below are the names of his intended Sinitues.

I have the honour to be Sir,

Your most obedient humble Servant

J.B.J.

Capt. Commandant

Walls end Rifle Corp of Volunteers

Recommneded as [Sinitues?]

John Walker Junr. Esqr. Dockinay Square North Shields.

Mr John Buddle civil Engineer Greenside County of Durham

Refer to his Grace the Duke of Northumberland as to the responsibility of Mr Walker.

To Mr Russell Esqr. M.P. as to the responsibility of Mr Buddle.

NEIMME/Bud/15/37

Walls end 4th Dec: 1803

Mr A Morpeth Durham

Sir, In reply to yours of this Day's Post, I must observe, that as I had not the means of taking measures Levels etc when I examined the Quarry I cannot say as to accuracy as to height and Distances; neither is it possible for me to do so unless I knew the depth to and nature of the foundation which circumstances must in a great measure regulate both the dimensions of the Wall and the distance it ought to be from the mouth of the Tunnel this may easily be ascertained by boring or digging.

With regard to the Wall, I have no doubt but good common Walling might answer the purpose very well, however as its front is in the line of Vision from the Bridge I should prefer its having a wrought Ashler Front.

I am Sir,

Your most obedient Servant

J.B.J.

NEIMME/Bud/15/38

Walls end Dec: 9th 1803

His Grace the Duke of Northumberland Alnwick Castle

My Lord Duke,

I received your Grace's favour of the 7th Inst. enclosing Mr Yorke's Circular in Course, and feel much obliged for your Grace's attention. We have not been supplied with any Ammunition for our Rifles, but on the 22nd Oct: had 20 rounds each Man of Musket, Ball Cartridges for Practice served out by Col: Large from the Fort at Tynemouth which was previous to the Appointment of the inspecting Col. Since Colliery. Blakeney was appointed to inspect us I have applied to him for a further Supply of Ammunition but he informs me, that he cannot give an Order till Government inform him what Quantity they intend to allow the Volunteers for Practice. To avoid any inconvenience that might arise from the Balls allowed by Government not fitting our Rifles, every man in the Corps is supplied with Bullet Molds of a proper Size for his Rifle, and the Corporals are furnished with a small iron Pan each for the purpose of smelting Lead, so that we can never be at a loss for Bullets whenever Lead is to be had.

I have the honour to be your Grace's

His Grace the Duke of

Most obedient Servant

Northumberland

John Buddle Junr

NEIMME/Bud/15/39

Walls end Dec: 18th 1803

Mr William Kitland Birmingham.

Sir, From your favour 21st Nov: I fully expected to have had 50 of our Rifles at least before this time the non arrival of which is I assure you a grievous disappointment to our Corps, and has occasioned some disagreeable reflections on me, to do [?] which I shall feel particularly obliged by your writing me be return, saying why the rifles you promised have not been sent and in what time the whole order will be completed. I doubt some mistake has happened in sending them by the Waggon and that they are either wrong directed or lying neglected in some Warehouse as I am not willing to attribute the cause of delay to unpunctuality on your part and you will recollect that you promised me to complete the order in 3 Weeks from the 20th Oct. since which 8 Weeks and 3 Days have elapsed and not a single rifle arrived! I must again beg you to write me the state of forwarding the order is in accurately for the satisfaction of the Corps, as if I remain much longer in the unpleasant situation I am in at present I shall feel myself under the disagreeable necessity of taking another Journey to Birmingham which is by not means desirable at this Season of the Year.

W. Kitland

J.B.J.

NEIMME/Bud/15/40

Messrs. Underhill and Dutton. Birmingham.

Gentlemen, Your esteemed favour of the 7th Inst. informing me of the completion of our Rifle accoutrements was very agreeable tidings to all our Corps, and must earnestly beg of you if the Caps etc have not already come off that you will if possible forward them in time to arrive in Newcastle on or before the 30th of this month since Year's day being a Gala day with us I have the pleasure to inform you that the buttons 7 Gross are arrived which has set the Knights of the Needle fully to work. I have not remitted you for the buttons being so small a sum but as soon as you send off the Caps etc hand me an invoice of the whole and I shall remit you the full amount by return.

I am Gentlemen,

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/41

Walls end Dec. 20th 1803

Mr Kitland Gun Maker Birmingham.

Sir, Your Favour of the 10th Inst. covering Invoice of 22 Rifles, 2½ Br: of Pistols & 2 Pair of Prickers Brushes & Bullet Molds Amount £ for which you have the enclosed Bill, to place to the Credit of my Account did not come to hand till Yesterday. I fully expected 50 rifles, being so much over the time you named in your last for sending them off, but hope that they will give us satisfaction when they arrive and that you will be more punctual in your promise of sending some off 3 times a Week, than we have hereto experienced; you don't mention the bullet Molds & Punches for cutting the Plasters which I hope are not forgot expecting soon to hear from you again.

I remain Sir,

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/42

Walls end 26th Dec. 1803

Wm. Emm Esqr. Auckland.

Dear Sir, After I left you on Thursday last I found that Mr Stowbart had been with Manners the Person who is working the Colliery in the customary Freehold with whom he is intimate. Manners told Mr S. that they (meaning himself and Lessors) had received notice of trial previous to the last Assizes from Forster, to contest their right to the Coal under the Customary Freehold in the township of Coundon, but as they had heard nothing more of the business they were of opinion that neither Forster nor the Bishop's People could substantiate any claim to the Coal in Coundon and on that presumption they meant to dispute his Lordship's Right to all the Coal under the Copyhold, as well as the Freehold, in the township of Coundon. This is matter of serious consideration on the part of Mr Brooks, for unless his Lordship can substantiate his right to the Coal under the Copyhold in Cowndon, together with the necessary privileges for working the same, the Black boy Colliery will not be worth a renewal to Mr Brooks as all the Coal except about 8 or 10 acres of the Main Coal Seam is wrought out of the Township of Bondgate, and in course nothing of value remains for sale. It seems extremely necessary that this point should be ascertained for if Mr Brooks

NEIMME/Bud/15/42a

has a right as his Lordship's Lessee to work the Coal under the Copyhold Lands in Cowndon the Blackboy Colliery is of considerable Value. Taking it for granted that Mr B has a right to work under the Copyhold Lands in Coundon the circumstance of draining Manners's Colliery which will unavoidably take place in the event of any future workings in the main Coal Seam of the black boy Colliery must depreciate its Value considerable by enabling this rival Colliery to work Coals of the same quality free of the expense of drawing Water. As we could not ascertain the probable quantity of Coal remaining in Bondgate with any degree of accuracy, without a Survey, Mr S and I fixed to send our young men over to survey the Boundary etc. as soon as the weather will permit and in the meantime you will consider whether there can be anything serious in Manners's Language or whether Mr S may have availed himself of it for the purpose of taking to me as a purchaser.

I am respectfully Dear Sir,

Yours faithfully

John Buddle Junr.

NEIMME/Bud/15/43

Walls end Dec: 29th 1803

Mr Wm. Kitland. Gunmaker. Birmingham

Dear Sir,

I received your favour of the 22nd Inst. in Course, covering invoice of 20 rifles for which you have the enclosed Bill amount £80.10.0 which please to carry to the credit of my Account. I have the pleasure to inform you that the 22 rifles and 3½ Brace of Pistol etc. according to your Invoice of the 14th Inst. arrived safe yesterday. The Rifles in point of appearance give satisfaction but have not yet had opportunity to try them, we are however of opinion that the Bullet Molds are much too small for them as the balls roll down with the greatest facility. I will therefore be obliged by your sending 2 or 3 Pair of Molds by the Coach of such a Size as the Balls will not roll down the Barrels but require a considerable to force them down. I have lately tried a rifle both with a ball that required leather to make it fill the barrel and with a ball that was extremely tight in the gun and required considerable force in ramming being out of the rifle at the same time and found that the tight ball answered better than the other beyond all comparison on which account I wish to try the new Rifles with tight balls before you make the Bullet

NEIMME/Bud/15/43a

Molds which must be of the size we find to answer best. I will thank you to call upon a Messrs Underhill & Dutton from whom I received a letter dated the 7th Inst. informing me of the greatest part of our Accoutrements being sent off, but as they have not arrived am doubtful that they are lying by the way through the negligence of the waggoners. I am also extremely anxious to hear from them respecting our Caps and the Officer's Sashes as our Clothing has been finished for some time. I feel obliged for the trouble you have taken insuring Mr Osborne respecting our Sashes & flatter myself as he must now have got a plentiful supply of water that we shall have them very soon,

Wishing the Compliments of the Season

I am Dear Sir,

Your most obedient Servant

J.B.J.

NEIMME/Bud/15/44

Walls end Dec: 29th 1803

Mr George Harrison Powder Horn maker Birmingham

Sir, I had your favour of the 19th Inst. in course covering invoice of 82 Powder horns amount £23.0.6 for which you have the enclosed bill, the receipt of which you will please to acknowledge by return.

The other arrived safe and gave satisfaction, and I hope the rest will do the same.

I am Sir,

Your most obedient Servant

J.B.J.

Walls end January 9th 1804

Messrs Underhill & Dutton New Street Birmingham

Gentlemen,

Your favour of the 4th Inst. I duly received as also a pattern Cap for Officers with 6 Sashes and 6 Sword Belts. I am sorry to inform you that none of those articles give satisfaction as both the Sashes and Sword belts are very inferior to what we can purchase in the Shops in Newcastle and as to the Cap it has not the least resemblance to the pattern I fixed on which leads me to think that you have lost or forgot it. I therefore hand you the enclosed sketch of the Cap I fixed with Mr Dutton for your government but would wish to know if you have the mens' caps ready why you have not forwarded them. Our Officers

NEIMME/Bud/15/44a

Are so completely wearied out with the delays and disappointments we have experienced from you that they are determined not to be trifled with any longer. You will therefore please to inform me by return whether the men's caps exactly according to the Sketch which is taken from the pattern will come off by the Waggon immediately, if not you will please to consider the order as disannulled as my agreement with Mr Dutton was that they should be finished in 3 Weeks from 21st Oct last year. You need not trouble yourselves any further about the Officers caps as we have lost all confidence in your promises as to the time of finishing having too much reason from experience to

believe that you only amuse us with idle ones. The Accoutrements by Tens's Waggon have arrived at last and if you will hand me an invoice will remit you for the same together with the buttons. The Frogs for the Officers pistols together with their bullet bags are totally forgot. Pray refer to your Order Book October 21st and consider whether I complain without reason.

I am Sir, your most obedient Servant

John Buddle Junr.



More than one half of the numbers must be of the largest size.

P.S. Our Officers are so much dissatisfied with the sashes that they have requested me to return them which will be done tomorrow and beg that will immediately send off 7 of superior quality.

NEIMME/Bud/15/45

Walls end 23rd January 1804

Mr Wm. Kitland Birmingham

Sir, Your favours of the 11th & 14th Inst. covering invoices of 20 and 11 rifles, amounting to £124.17.6 came to hand in course, and for which I hand you the enclosed Bill. I am sorry you should have been in the least inconvenienced by the incorrect endorsement of the former bill, but have requested my Banker to inform the banker in London on whom the bills were drawn, of the circumstance and to request him to pay them when presented which will I expect prevent you any further trouble. I received the 6 pair bullet Molds all of which suit some of the rifles, but as they vary considerable in the core do not know how to order the Molds to answer all. I have met with a person here who makes bullet molds very well and will fit each Rifle accurately on which account I should wish him to make them provided you would not think yourself unfairly treated by being requested not to make any more. We have only received 42 Rifles in all yet, but am glad to find that you are forwarding them as finished in small parcels and trust that you will finish the whole as soon as possible as we are more anxious every day. I should be glad to have the other better rifles same as I sent with best Barrels

NEIMME/Bud/15/46

as soon as possible and also another of the same kind but without a swivel and to have a sword bayonet fixed to it the bayonet to be finished in superior style.

I am Sir,

Your most obedient Servant

J.Buddle Junr.

P.S. Think the touch holes of the Rifles rather too large.

Walls end 23rd January 1804

Messrs. Underhill & Dutton

Birmingham

Gentlemen,

I have your favour of the 14th Inst. before me and am sorry to be informed of Mr Dutton's indisposition, although I cannot admit of its being a sufficient apology for your unpunctuality in the order of my execution but am glad to find that there is at last some prospect of the Caps being sent. I must request however that you will be a little more explicit as to the time of sending them off as you say "what is not sent off today will be sent on Sat. 7 next" which from former

NEIMME/Bud/15/47

Experience I'm sorry to say makes it a doubtful Case with me whether any have been sent or not. I must therefore repeat my request that they may be sent immediately for the Men: as to the Officers we have been under the necessity of getting their Caps made in Newcastle as also a number for the men. I am anxiously expecting to hear from you every Post and

am Gentlemen

Your most obedient Servant

John Buddle Junr.

Walls end Colliery 27th January 1804

Mr John Curr Junr. Belle-vue House Sheffield.

Dear Sir,

I am duly favoured with yours of 22nd Inst. offering to deliver 50 to 60 Fath. 8 In. Pipe in Newcastle at 16s/- per Cwt. to be delivered in two months from receipt of Order which I accept, and beg you to cart 60 Fats: of that Size for Wm. Russell Esq. & Co (Walls end Colliery) and forward them as soon as possible you will please not to make them too heavy and the Spigot Joints must be made for wedging. I hope you will be able to deliver

NEIMME/Bud/15/48

in much less time than two months which will greatly oblige

Yours truly

John Buddle Junr.

P.S. Pray give my best regards to all the family.

Walls end Colliery 27th January 1804

Horace St Paul Junr. Esqr. Ewart House Bilford.

Sir,

I received your Leases as also your favour of the 15th Inst. in course and attend to the contents. As yet an opinion would be premature not having had an opportunity to read the Lease carefully over, but against the time you propose being in Newcastle I will be prepared and shall be glad to do myself the pleasure of waiting upon you.

I am respectfully Sir,

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/49

Walls end Colliery 3rd February 1804

Edward Inge Esqr: Coventry.

Dear Sir,

I duly received your esteemed favour of the 20th Ulto: and beg my best acknowledgement for the handsome manner in which you offer twelve Shares of the Wyken Colliery but the purchase is too large for me to think of at present. I must however observe that there must have been a misunderstanding either on Mr Curr's part or mine when we conversed on the subject; as to the best of my recollection I clearly understood Mr Curr that some of the proprietors would prefer taking an Annuity rather than be concerned in the working of the Colliery but do not remember of having said anything of purchasing, except in that way. It give me pleasure to be informed of the flattering prospect you have of Wykin answering beyond your wishes and sincerely wish you every success at the same time I must candidly acknowledge that my Finances been in a State to have justified the measure I should shortly have visited Coventry for the purpose of negotiating on the subject of your letter although objectionable in some degree on Account of being so far from home.

Begging my most respectful Compliments to Mrs Inge believe me

Dear Sir,

Your most obedient servant

John Buddle Junr.

NEIMME/Bud/15/50

Walls end February 4th 1804

Mr William Ketland Birmingham.

Sir,

I am favoured with yours of the 26th Ulto. Covering Invoice of 20 Rifles Amount £80.10.0 for which I remit you the enclosed Bill. The last 2 Boxes with 31 Rifles are arrived safe and it gives me great pleasure to be assured that the whole will be sent so speedily; and hope that you will allow that I am blessed with true Christian patience indeed tis' well I am so, otherwise the treatment I have experienced from some of your neighbours must have driven me stark mad. Pray finish the better Octagon Rifles as soon as you can and you will oblige.

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/ Page numbers between 51 and 59 inclusive have been omitted.

NEIMME/Bud/15/60

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NEIMME/Bud/15/61

Walls end February 11th 1804

Mr Henry Asborn, Sword Cutler. Birmingham.

Sir,

Your favour of the 27th Ult: covering Invoice of 6 Swords etc.etc. Amount £20.11.6 I duly received and hand you the enclosed Bill for the same as also the annexed Check £3.6.6 for the Sabre formerly sent which please to pass to my Credit and acknowledge the receipt of the same by return. I feel rather disappointed in not having received the Swords yet and attribute it to some neglect at the Coach Office on which Account I must beg the favour of your enquiring there, and endeavour to forward them as soon as possible.

I am Sir, Yours etc.

John Buddle Junr.

NEIMME/Bud/15/62

Walls end 12th February 1804

John Curr Esqr. Belle vue House Sheffield.

Dear Sir,

I had your esteemed favour of the 25th Ult. In course and had received Mr Inge's letters which you allude to the post preceding in which he offered his shares of the Wykin Colliery to sale for the sum they had cost him viz £60,000 including the accumulated Interest as he understood from you that I had intimated that my friends and self would not have any objection to purchase on those terms. In reply to which I told him that I conceived there must have been a misunderstanding between us when we conversed on the subject as I understood you that some of the Partners would prefer a certain annual sum rather than risk the fluctuation of profit usually accompanying undertakings of that nature. This was the substance of our conversation to the best of my recollection and I further recollect that the Sum you named was £1000 or thereabout for Mr Inge's share per Annum which you thought he would prefer taking as a certainty rather than continue Coal Owner. Now I have a Letter from him of the 8th Inst. before me in which he says that the plan of an annual sum is equally agreeable and offers me his 8 shares for £16000 calculating the whole sum expended at £60000 for £5 per Cent which will be £800 per Annum and to divide half the profits with me if any remain after paying the interest. Now this is

NEIMME/Bud/15/62a

certainly a proposition which under some modification I should be inclined to attend to if the Colliery was in a situation to go regularly forward and without further advances, which from your very friendly Letter (that I must beg leave to assure you I duly appreciate) does not appear to be the case, and you will I'm persuaded agree with me that it would not be prudent in a person like myself whose situation in Life is rendered comfortable by an ample income to risk embarrassment by embarking in a speculation for the sake of inordinate gain (Mr Banks say 30 per Cent) which might for a considerable time both sink the interest and a considerable sum in advance beside. From your favour of the 25th Ult. It appears that a further advance is necessary which is perhaps the cause why Mr Inge offers me his shares; but this I assure you is to any considerable amount would be equally objectionable with me. The reply I think of making Mr Inge to his last Letter is that it is a Business of that magnitude as to require a personal interview which the pressure of my business will not allow of at present but as I have Business at Dudley in Staffordshire the course

of Summer between now and August, if he should continue in the same Mind, I shall then take the opportunity of talking with him and in the meantime at any convenient opportunity will be

NEIMME/Bud/15/62b

Obliged by your furnishing me with the following particulars to viz. Term of Colliery Lease probable Annual Sale how many Years Coal will be obtained by the present Winning, Colliery Rent Expense per Ton of getting with the Hard Coal and Slack, Is there any rival Colliery to open in the event of Wykin being successful and is the Coal of such quality as to ensure Sale at any Time when the Trade is dull, In Short I should be glad to be favoured with your opinion of Mr Inge's last offer and remain

Dear Sir,

Truly yours

John Buddle Junr.

P.S. The flat ropes are going on well everywhere but Money is very Scarce I expect to remit something in a few Days but cannot get the principal Sums I am afraid till April. I will however remit as soon as I receive anything pray make my best Compliments to all friends.

NEIMME/Bud/15/63

Walls end 13th February 1804

Messrs Underhill & Dutton. Birmingham.

Gentlemen,

Your favour of the 20th Ult: covering invoice of Officers Sashes, Sword Belts etc amount £21.16.6 came duly to hand and for which you have the enclosed Bill, the receipt of which you will please to acknowledge in course, I have not deducted £5 per cent from the amount of this invoice as per Agreement but will do so when I remit for the whole of the Goods.

I must beg leave to remind you that the 9 Cartouche Boxes not sent with the other articles Dec.7th have not yet been forwarded but which I hope you will immediately forward. The Caps have not yet arrived but hope they will be here in a few days.

I am Gentlemen

Your most obedient servant

John Buddle Junr.

NEIMME/Bud/15/64

Walls end Colliery February 17th 1804

Edward Inge Esq. Coventry.

Dear Sir,

I have your favour of the 8th Inst. in course and feel obliged by the offer you make me of 8 shares of Wykin Colliery on terms favourable to negotiation provided the work is in a situation to pay itself or nearly so without requiring further advances to any considerable amount as under that circumstance only it can be eligible on my part but of which I am by no means at present a competent judge the observations I had an opportunity of making when on the premises being too superficial and general to enable me to draw conclusions sufficiently accurate to justify my going

conclusively into a negotiation of such magnitude. As you will recollect, that at the time I was at Wykins, I could not have access to the Mine itself which is unquestionably the primary object. I must therefore candidly acknowledge that I do not feel justified in seriously embarking in a business which may so materially affect my future situation in life without availing myself of every information relative to the subject, and allowing my judgement its fullest scope, which can

NEIMME/Bud/15/64a

not be done without spending some time on the premises but as that is quite incompatible with my present engagements I must give up the idea.

I have business to transact in Staffordshire in the course of the Summer but cannot name the time as it depends upon a decision in Chancery. There is however little doubt of its not being later than August, but may perhaps be sooner when if you should continue in the same Mind, I shall do myself the pleasure of waiting upon you at Coventry and can then take an opportunity to avail myself of the necessary information to enable me to decide.

Begging my most respectful compliments to Mrs Inge,

I am Dear Sir,

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/65

Walls end Colliery February 27th 1804

John Curr Esq. Bell-vue House. Sheffield.

Dear Sir,

In consequence of an advertisement in the Newspapers of a Colliery on the River Burry in S. Wales to sell a Gentleman of my acquaintance who is inclinable to purchase in case the thing should be eligible, and allow me to take a share on advantageous terms, has requested me to make inquiry of any person likely to give information on the subject, whether there is a probability of its being worth his attention; and as I have some idea that it is the Colliery which you had in hands last year will esteem it a favour if you will give me your opinion of the business as soon as you can conveniently or if it should not be the Colliery alluded to, it may perhaps be some other of which you have a knowledge in which case I should be glad to be favoured with answers to the following queries.

- 1st. Is the Colliery won, or will it be necessary to expend a considerable sum for that purpose.
2. What is the expense per ton of delivering the Coals into Craft, and what is the selling Price.
3. Is the Vend of Coals to Iron works chiefly or for lands sale or exportation.
4. Is the Slick or Small sold to profit, or is it coked, and if so does it pay the expense of working.
5. What may the annual Vend be.
6. It is stated in the advertisement that the Coals sell at from 6 /- to 10/- per Ton, what is this difference of

NEIMME/Bud/15/65a

Price owing to, does the Seam produce Coals of different qualities, and if so in what proportions.

7. Can the Coals be shipped direct, or through the medium of small Craft. If by Ships, what size can load from the Staith or Wharf.

8. Are there any adjoining Collieries.

9. How may Seams of Coal are there, and what thickness are they.

If you have not a sufficient knowledge of the Colliery to enable you to answer the above queries can you name a person of respectability in that neighbourhood to whom I may apply for the necessary information. I lately sent Mr John an order for cast Iron 8 In Pipes, since which I have not heard from him but hope he is pushing on with them, and must beg him to forward them as soon as possible as they are wanted immediately.

Begging my best Compliments to all my Sheffield Friends believe me

Dear Sir

truly yours

John Buddle Junr.

NEIMME/Bud/15/66

Walls end 29th February 1804

Messrs Underhill & Dutton. New Street Birmingham.

Gentlemen,

Enclosed I hand you a Bill Amount £259.3.10 being the Balance of my Account as below, which I hope is correct, and the receipt of which you will please to acknowledge by return.

I am Gentlemen, your most obedient Servant

John Buddle Junr.

Amount of Invoice February 6 th	£295.16.2		
Deduction 5 per Cent as per agreement	£14.15.10		
Bill remitted 13 th February	<u>21.16..6</u>	<u>36.12. 4</u>	<u>259 3 10</u>

Walls end 29th February 1804

Mr William Ketland. Gun maker Birmingham

Sir,

Your favour of the 8th Inst. enclosing Invoice of Rifles Amount £60.8.0 I duly received and hand you the Enclosed Bill for the same.

I shall be glad to hear of the whole of the Rifles being sent off as I think you will allow Bonaparte to get here before you furnish us with the Guns to fight him. In your next which I hope will enclose an Invoice of my whole order, please to give me a Statement of the amount & I will remit the Balance.

I am etc

John Buddle Junr.

Walls end March 4th 1804

Mr Henry Morriss. Birmingham.

Sir,

I was favoured with yours of the 11th Ulto: in course covering invoice of two Rifles amount £9.12.6 for which you have here the enclosed Bill and will be obliged by your acknowledging the receipt thereof by return.

The Rifles arrived yesterday and give satisfaction you will therefore oblige me by making three more of the same kind as soon as possible (in addition to the two formerly ordered) and I must also beg the favour of sending my

NEIMME/Bud/15/67

African Gun and Sword as described in your order book. I am of opinion that the touch holes of those two Rifles you have sent are rather too high from the bottom of the pan [?] which makes them liable to flush, you will therefore plan to make them rather lower in the other three, expecting soon to hear of their being finished.

I am Sir,

Your most obedient Servant

John Buddle Junr.

Walls end Colliery March 7th 1804

Mr John Curr Junr. Belle-vue House, Sheffield.

Dear Sir,

I shall be glad to know as soon as possible in what time and for what Sum you can erect an Engine at Durham to draw 20 Score of 16 Pick Corves from 33 Fathoms deep in 8 Hours, finding and fitting up all Materials except Foundation and Brick Work and exclusive of leading the Materials from Sunderland. The Engine must also be adapted for pumping Water out of the Pit to the depth of 16 Fathoms when done drawing Coals.

I should be glad to know the Price of both a common and double powered Engine for doing this Business. Pray let us have the 8 In Pipes as soon as possible.

The Ship with Mr Peareth's Engine materials arrived on Monday but we do not exactly know whether the Boiler is for Mr P. or the Steam Mill which you must set us to rights in. I should be glad to have a few more flat Ropes [?] for 4' sent when you have opportunity begging my best respects to all Friends,

Very truly yours

John Buddle Junr.

NEIMME/Bud/15/68

Walls end Colliery March 7th 1804

J. Robinson Esq. Tugal near Belford.

Dear Sir,

I received a Letter from W.R.Thorp of Alnwick dated the 2nd Inst: intimating that you would be glad if I could take an early opportunity of meeting you at Belford on Colliery Business. I shall therefore be glad to do myself the pleasure

on Wednesday the 14th Inst. for which purpose I will take a seat in Loftus's Coach which sets off from Newcastle at 5 O'clock in the morning and remain in the meantime Dear Sir,

Yours truly

John Buddle Junr.

Walls end Colliery March 7th 1804

Robert Thorp Esq; Alnwick.

Sir,

I am favoured with yours of the 2nd Inst. in course and as it seems necessary to dispatch the business at Berrington as soon as possible I have wrote Mr Robinson by this Post, and fixed to meet him at Belford on Wed; next the 14th inst. for that purpose which I hope will be convenient to all Parties but as I do not know Mr Plailess address must request the favour of your informing him of the time of the meeting.

I am Sir,

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/69

Walls end Colliery March 7th 1804

Mr Robert Atkinson. Netherton.

Dear Sir,

I had the pleasure on the 13th Ulto: to hand you Mr Curr's Account for Rail Road which I suppose must have escaped your memory as I have not been favoured with an answer. I therefore again take the liberty of requesting the favour of your settling the Account at an early opportunity, Mr C. being very desirous to have all his outstanding Accounts for last year collected.

I am Dear Sir,

Your most obedient Servant,

John Buddle Junr.

Service. Lieut: Colliery: Blakeney. S.F.O. Newcastle.

Walls end March 15th 1804

Sir,

In answer to your Letter of this Morning I have to inform you that I am not in possession of a single Cartridge either Ball or Blank for the use of the Corps under my Command but if it should be thought necessary to supply us with Ball Cartridge at the rate of 36 Rounds per Man for 137 Privates the effective strength of the Corps I must request the favour of them being Carbine Cartridges as our Rifles take Balls 20 to the lb.

NEIMME/Bud/15/70

only should this be inconvenient and Musket Cartridges only proposed for us, we can easily adjust the Balls to our rifles by recasting them, have Molds for that purpose.

I am Sir,

Your most obedient Servant

John Buddle Junr.

Cap. Commandant Walls end Rifle Corps.

Walls end Colliery March 27th 1804

John Curr Esq. Belle-vue House. Sheffield.

Dear Sir,

I was duly favoured with yours of the 19th Inst. but delayed answering it till I should receive your report of Wykin Colliery which did not come to hand till late last night, and on perusing the Plan and Report it appears necessary to have the following information previous to laying the business before professional Men, on which account you will please to write me in answer to the queries proposed as soon as may be and in the meantime I will endeavour to find out two People of competent judgment to join me in reporting on the Subject.

1st. Was there any alteration in the safeguard drift G as it approached the old hollows by a gradual increase of water or otherwise

NEIMME/Bud/15/70a

2. What is the earth head.

3. Does the distraction of the upper Shaft HHHH make any change in the working Seam or in the roof or thill things.

4. What quantity of water did Lord Craven's Engines draw.

5. What distance had the safeguard Drift advanced from the face of the bank when it encountered the old Hollows and in what part of the Seam was it.

6. Did the workmen observe any bleeding of water more than usual from the 3½in. Clay band previous to the accident, this is a fact of the greatest Consequence as it will tend in a great degree to prove the capability of the clay turning water under the circumstance of pressure.

7. Do the tubs placed 36 Yards down stop any water at present and on the principal feeders above or below them, and will those feeders be brought down in the future working of the Colliery on the event of breaking the measures. And will not the breaking of the Measures bring down the stone water.

8. Will the Coal turn water equally well upon the end as the board.

9. How many yards of the Pit E. remain to be sunk to the Coal.

10. What Depth is the Pit D to the Coal I presume it is 118 Yards.

NEIMME/Bud/15/71

Walls end April 3rd 1804

Mr Wm, Ketland Gun-maker. Birmingham

Sir, I was duly favoured with yours of the 10th Ulto: covering invoice of 28 Rifles & 12 dozen prickers and brushes Amount £114.18.0for which I send you the enclosed Bill the receipt of which you will please to favour me with the acknowledgment of.

The Rifles have arrived safe & the Box contained an Octagon Rifle which is not noticed in the invoice. You will particularly oblige me by sending the other octagon Rifles as before ordered as soon as possible, as also one more of the same description and on handing me the invoice of the same I will take care to remit the needful in course.

I am Sir, Yours etc etc

John Buddle Junr.

Pray send me the proportion of powder used in the proof of Barrels etc as you promised me.

NEIMME/Bud/15/72

Walls end Colliery April 4th 1804

Messrs Salvins. Durham.

Gentlemen,

On Saturday last I sent a Pit Rope as per enclosed invoice to N. Castle to be forwarded to you by the Durham Carrier and hope that you have received it before this time. I have not met with a crab rope yet, but am still on the lookout for one.

I am Gentlemen

Your most obedient Servant

John Buddle Junr.

Messrs Salvins

1804 Do. of the Owners of Percymain Colliery

Mar: 31st. To Pit Rope weight. Cw 7.gr 3. Lbs 25 @ 25/- £13.19.0

NEIMME/Bud/15/73

Walls end April 4th 1804

Service Lieut. Colliery: Blakeney T.F.O Newcastle.

Sir, I answer to your letter of the 31st Ulto: containing instructions to be observed by the Corps under my Command if suddenly ordered to march and assemble on any named Point, and also enquiring for the information of Lieut. General Sir Hugh Dalrymple whether any Carts are attached to each company of my Corps etc. I beg leave to inform you that I have not any Carts fit for the purposes of conveying the Baggage or Rifle men but have plenty horses and trapping provided I could be furnished with Cart or Waggons.

I am Sir,

Your most obedient Servant

John Buddle Junr.

Capt. Commandant of the Walls end Volunteer Riflemen.

NEIMME/Bud/15/74

Walls end April 4th 1804

Sir John Swinburn Bart. Coxheaton. Northumberland.

Honourable Sir,

In consequence of your letter of the 3rd inst. I take the liberty to recommend Mr Whitfield Burnet at present a Lieut. in the Corps under my Command to be Surgeon also; and Mr Jonathon Blagdon to be a Lieutenant.

I am Sir,

Your most obedient Servant

John Buddle Junr.

Capt. Commandant of the Walls end Volunteer Riflemen

Walls end April 11th 1804

John Curr Esq: or in his absence Mr Banks, Edward Inge Esq: Coventry

Dear Sir, I received Mr Banks's letter of the 3rd Inst. in Course answering any queries respecting Wykin Colliery and entered upon the business this day with Messrs Jopling, Ramsey and Laverick but previous to handing you our report find it necessary to be informed if on the event of a frame dam answering in the

NEIMME/Bud/15/74a

Place named for fixing it what number of acres of Coal would be obtained from the North Colliery after leaving a sufficient barrier to guard you against the old Colliery? And also on the idea of keeping a sufficient Engine Power to draw the Water from both the old and new Collieries how many acres of Coal in that case would the present Engine win? The idea we form of it is that if you abandon the South part of the Colliery you will not obtain more than from 20 to 25 acres but that if you work both the N. and Seam, parts by having the water drawn which will obviate the necessity of having Barriers (at least of any magnitude) you will obtain twice that quantity; but of this you will please to inform us, as also of the produce per Acre of saleable Coals in Tons. You will also please to say if 53 Cwt [?] of your best Coals are more or less serviceable than an equal quantity of our Small Coal, or what quantity of your best Coal will work a 14 feet boiler, fairly driven for 24 hours? Will not your slick work your steam Engine what quantity will work a 14 feet boiler as above, and what would it cost you per Ton from your own Colliery? You named that you had discovered a Rivulet running into the old hollows which you expected to prevent have you succeeded? Mr Banks

NEIMME/Bud/15/74b

says he is cleaning out an old offtake drift which he expects will be of service has he effected this & if so can it be continued to the D Pit or to the Engine Pit? As soon as we are furnished with the above information we shall lose no time in sending our report.

I sent Mr Wade's Account for rail road etc to Hibl: to day by Tibbit amount £267.7.11 but he said that he had already paid £162.6.2 leaving a Balance of £105.1.9 which he could not send me a Bill for, as he had not a Stamp. He promises that I shall have it on Sat. 7 next and as I have to be with Mr Russell on Monday I expect to get a Bill for the W.End etc account also when I shall remit you them together. I have got two splices which will be sent to Mr Watkin but I still want more which you will please to send as soon as convenient. The flat ropes are doing well everywhere. With best compliments to Mr & Mrs Inge believe

Dear Sir

Truly yours

Shall I direct to you at Sheffield in my next.

John Buddle Junr.

NEIMME/Bud/15/75

Walls end April 29th 1804

Mr H Morris. Gunmaker. Birmingham.

Sir,

Enclosed I hand you a Bill for £14.7.0 being the amount of your Invoice of the 31st Ultò: for 3 Rifles, which I hope you will safely receive and acknowledge the receipt of the same. You will further oblige me by sending another rifle of the same kind as the last as soon as possible.

I am Sir

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/76

Walls end 11th June 1804

Mr William Ketland Gunmaker. Birmingham.

Sir, Enclosed I remit you a £10 Bank of England Note in part of £10.2.6 the amount of invoice May 12th for 2 Octagon Rifles and will balance the Account when you find the invoice of the Rifle last ordered. The Screws and other apparatus which ought to have been in the traps of the last two Rifles had not been put into them you will therefore send them in the box with the next Rifle. I should have attended to your favour of the 12th Ultò: sooner but having been upon permanent duty for 3 Weeks has prevented me attending to business with my usual punctuality.

I am Sir

Your most obedient Servant

John Buddle Junr.

NEIMME/Bud/15/77

Walls end July 7th 1804

Messrs William Ketland & Co. Gunmaker. Birmingham.

Gent,

I am duly favoured with yours of the 20th Ultò: and ought to apologise for neglecting to remit for the Rifle forwarded March 10th but never having been favoured with an Invoice of the same before I did not think of it, & now enclose you a £5 Bank of England Bill for the Amount. You will oblige me by handing a Copy of the Account between us, and send me another Rifle of the same kind as soon as possible which must be included in the Account & will remit the Balance.

I am Gentlemen

Your most obedient Servant

John Buddle Junr.

Walls end 2 August 1804

George Waldie Esq: Ferneyhill near Kelso.

Dear Sir,

Since the receipt of your favour of the 23rd Ultò: I have been in daily expectation of the Sh. Hill Arbitration being finished as I lost no time in seeing Mr Watson and urged him as much as I could consistently to get it accomplished by the 30th Ultò: and I believe that he has exerted himself to the utmost to do so, but I have just received the following Note from him by which it appears that Mr R. and him cannot agree. As we are under the necessity of having recourse to Mr Potts respecting the valuation of Sh. Hill Colliery I'm afraid it will be impossible to have it done by the time Mr Waldie wished

NEIMME/Bud/15/77a

to have it. I see the time allowed for making the award is anytime previous to the 10th of this Month as this is the case I will endeavour to see Mr Potts and urge him to dispatch the business as soon as possible. I am exceedingly anxious to have this affair settled, as Mr Russell is prevented solely by the delay from raising [??]2/- per Chaldron and I have no doubt but others of the same class will do so. I met Mr Croser at Benwell yesterday and raised Adam 1/- per Chaldron making them 24/-. We have got the Water out of the dip workings at Percy main & are now going regularly on the Workings last Pay were 878 Scores and the Vend 1229 Chaldron best Coals but I hope to exceed that quantity considerable this pay. No great progress is made in the purchase of Hay, as the Farmers are very stiff in their demands of 70/- and 80/- per ton consequently only partial purchases have been made at 63/- but a good deal has been delivered to the Collieries on Honour the fillers to receive the best Price given. the Trade fixed last Saturday not to give more than 63/- during this Week & to meet on Saturday next and report progress at which meeting it will be determined whether this general Price is to be 63/- or more. I have seen most of the Trade individually and hinted the necessity of attempting a regulation of the ensuing banding

NEIMME/Bud/15/78

as I find the Men have got extravagant Ideas already everyone admits of the propriety of such a measure and I hope it will be effected. I do not think it equitable after Mr T-----'s declaration that he ought to have a share, even if the concern should go considerable below £30000.

I am with great respect Dear Sir

Yours faithfully

J.B.J.

P.S. As soon as I learn what Mr Potts has done I will write you.

Walls end Aug 11th 1804

Geo: Waldie Esq: Ferney hill near Kelso.

Dear Sir,

I fully expected by this Post to have informed you of the Sh. hill Arbitration being finished but am disappointed as I find that no Award is made. I cannot learn the reason exactly, but believe it is owing to Row's obstinacy, and Mr Harrison was so dissatisfied with the Valuation made by Messrs Watson and Potts that he declared he would open out the business again in Chancery if they made the Award, which threat or declaration intimidated them so much as to prevent them making it. Mr Harrison enjoined the Parties to [?] lest the publicity of their valuation might injure him in the future Sale of his Share, and I understood from Mr Croser that he intends to make you an offer at the least Sum he intends to take. He came to the office

NEIMME/Bud/15/79

and took an Account of what had been done since the Bonds were put in force and expressed a wish to raise the Coals as it was Mr Row's opinion they ought to be 24/- per Chaldron but on this subject I expect Mr Croser will write you. I do not know what the Valuations of the respective Parties were only that Mr Row's was upwards of £40,000 the other under £30,000 from which I apprehend Mr Harrison's offer will not be such as to meet your ideas; but if it should I will be glad to remain in the same situation with regard to the Share, and submit myself wholly to your better judgment to act as you see proper in the business. I must however observe that I think that here has been a little want of spirit in Messrs. W. & P. on this occasion.

We are going very well forward at Percy Main the Workings this Pay were 955 Scores the Vend 1409 Chaldron. best Coals & 223 Small making the whole Vend this year 19,748 best Coals & 3695 Chaldrons of wet and smoke.

I am respectfully Dear Sir

Your most obedient Servant

J.B.J.

P.S. Mr Walker has got home and looks remarkably well.

NEIMME/Bud/15/80

Walls end Aug: 13th 1804

Mr John Bowlby. Durham.

Dear Sir,

The owners of Percymain Colliery have requested me to inform you that they wish to take the Coal belonging to the Rev. the Dean and Chapter at Howdon Pans as it adjoins the Colliery which they have already taken of his Grace the Duke of Northumberland and may be worked by means of an Outstroke from the same for which privilege they expect they can obtain leave of His Grace.

As I do not know the Ground exactly if you have any plan of it I will thank you for a Sketch and also to inform me when it will be proper for the Owners to come to Durham to treat with the Chapter. If you have not a plan of the Ground can you inform me of the quantity it contains.

I am Dear Sir

Your most obedient Servant

John Buddle Junr.

P.S. The Owners of Percymain Colliery are

John Walker Esq: of Walls end

George Waldie Esq: of Newcastle

H. Lamb Esq: of Ryton

Jacob Maude Esq: Sunderland

NEIMME/Bud/15/81

Walls end Oct: 12th 1804

Service

Brig: General Kir. Head Quarters. Durham.

Sir,

In reply to your favour of the 29th Ult: I have the honour to inform you that the Corps under my command will be drawn out ready for your inspection at its usual place of exercise near the village of Walls end on Saturday 20th inst: by 2 O'clock P.M. if perfectly convenient to you. The Carts allotted for the conveyance of the Corps are prepared, according to the directions of Lieut. Col. Bradford and your directions as to placing the men in them shall be attended to but if you intend to muster them on the 20th inst: it will be necessary to give the Superintendent (E. Hethrington Esq: Walls end) directions to that effect.

I have the honour to be Sir

your most obedient humble Servant

John Buddle Junr.

Brig Gen Kir

Capt. Commandant of the

Walls end Voluntary Riflemen

NEIMME/Bud/15/82

Walls end Colliery 28th Oct. 1804

Glynn Winn Esqr: No 11 Linclons Inn. London.

Sir,

Since I left Newburgh Park it has struck me that the Limestone Quarries ought to be included in the Colliery Lease, as being concerns which may be rendered mutually advantageous. If this suggestion should meet your approbation, I will be obliged by your favouring me with a line on the subject as soon as convenient, and I will endeavour to estimate a Rent for the Quarries.

I am etc. etc.

J.B.J.

Walls end Colliery Nov. 4th 1804

John Curr Esq: Belle-vue House. Sheffield.

Dear Sir,

Having been two or three days in the neighbourhood of Thirsk has prevented my paying attention to your favour of the 23rd Ult: so early as I could have wished. I have paid particular attention to the plan you have suggested of relieving the Wykin Colliery from the annoyance of the storm Water and as it appears that you have proved the substrata to be impervious to the storm water as also the open freestone or under most horizontal Stratum

NEIMME/Bud/15/83

admits the free influx of Water from the surrounding Country, little doubt remains in my mind of your circumscribing drifts, to be driven in this open Freestone intercepting a very large proportion of the whole of the stone Feeders provided your Engine keeps the water in the drifts under the Roof and on this account I should advise that those drifts be made 8 ft high at least, and to have 1 or 2 feet hold of the substrata with the side next the Colliery made

water tight either by terrace walling or Cement the cheapest is the best and as the grand object is to induce as free an influx of the water into those drifts as possible I should further recommend that an extra number of stapples or Shafts should be sunk upon the drifts as also Bore holes in any part where the junction is not sufficiently open from the vertical fissure, perhaps short collateral drifts in particular places may be of service but you will be best able to judge of this as the work goes on.

As you have ascertained the stone water on the Wykin side of the distraction when reduced by constant drawing for two years to the natural feeder not to exceed 100 Gallon per Mon: it appears to me highly probable that only a partial communication if any exists with Lord Caven's

NEIMME/Bud/15/84

side on which account there is fair grounds for supporting that the extension of your circumscribing drifts on each side of his Lordships old workings to the Distraction will answer your purpose if this should fortunately prove to be the case it will greatly reduce the length of consequence the expense of the drift . I would advise you to ascertain if you can whether the influx of water is greater on the one side of the old Colliery than on the other, and in that case it will be proper to keep the drifts on the side from where the greater flow of water is considerably in advance as it is not impossible but this drift alone might answer the purpose. Care must be taken to keep the drifts so far from the old workings as to be clear of the broken measures as to the success of this plan depends in a great measure on the material of the substrata, if you have not already explored it on Lord Cavens side of the Distraction would it not be prudent to do so by previous to sinking your Engine.

Def:- to ascertain whether it is similar to that on the Wykin side? With best wishes for your success in this business

I remain Dear Sir

Yours truly

J.B.J.

NEIMME/Bud/15/85

Walls end Nov: 22.1804

Nathan Ogle Esq: Post Office. Newcastle.

Sir, I received your plan of the mode proposed by Mr Newton for disposing of Fowler's Close Farm in building Leases but which from the great waste of ground in the Square, Streets, Lanes etc. I do not approve. I have therefore made a design according to which not more than a fifth part of the whole estate will be occupied by Streets etc. and of course the remaining four fifths will be disposable at the full value if perfectly convenient shall be glad to meet you at the Turk's Head on Saturday Morning first at 11 o'clock to submit my Plan to your consideration and make arrangements for future proceedings. I beg further to observe that I will do all the necessary business in this affair except drawing the Conveyances, only leaving you the conveyances to sign and the Money to receive for the usual Commission of 3½ per Cent on the amount of Sales.

I am Sir,

Your most obedient Servant

J.B.J.

NEIMME/Bud/15/86

Walls end Newcastle February 26 1805

James Elliot Esq: No 65 Queens Street Edinburgh.

Dear Sir,

Agreeable to your request of the 16th Inst. I hand you my Account for business done at Newton Colliery. I shall be happy to hear of the favourable issue of the negotiation with Sir John Hope, as it is very desirable on the part of Mr Wauchope. Begging my best acknowledgments for your very polite attentions while I was in Edinburgh

I remain Dear Sir

James Elliot Esq:

Your most obedient Servant

No. 65 Queen Street Edinburgh

J.B.J.

John Wauchope Esq:

To John Buddle Junr:

Dr:

Feb. 15. To viewing Newton Colliery and other Business, 8 Days including Time of	£	s	d
Travelling _____	16	16	0
Travelling Expenses	8	0	0
	£24.	16	0

NEIMME/Bud/15/87

Walls end Newcastle Feb: 26 1805

Mr James Luckie.

Edmenstone. Edinburgh.

Dear Sir, Enclosed I hand you an estimate of the expense of laying Cast Iron Rail Way proposed for Newton Colliery. I shall be glad of the favour of a line from you stating your progress in No 2 Pit since I had the pleasure of seeing you and I sincerely hope that you have not encountered any more troubles in which case I flatter myself that you find your mind more at ease on the subject at present than for some time past. I must however beg leave to remind you of the propriety of hastening the improvement of the Engine and sinking of the new Pit with all possible expedition as you cannot expect to be quite comfortably situated till those two objects are accomplished when the Colliery will be in a fair State for either carrying on, or letting if Mr Wauchope should be so disposed, I dare say you will find it necessary to pay Mr Leitch a visit now and then to hasten him with his work, as Engineers as well as Colliers require

NEIMME/Bud/15/88

a little looking after. Pray make my best Compliments to Mrs & Miss Wauchope and all the good Family at Edmenstone of whose kind hospitality I entertain the most lively remembrance and expecting soon to hear from you

I remain Dear Sir

Yours truly

J.B.J.

Estimate.

The complete outfit of 1 Rolley or Carriage will be £3.

1 Yard of Cast iron Plate 32 lbs @ 16/- per Cwt £0.4.7

Sleepers and Nails -----	0.0.5	
Laying way & taking up Pavement	0.0.6	
Wood punning for horse way -----	<u>0.0.6</u>	
	0.6.0	
Suppose 100 Yards of way as above -----	@ 6/-	£30.0.0
60 Amt. for branches at depository & Pit Bottom	@ 6/-	18.0.0
Suppose 10 Additional Tubs -----	@ 50/-	25.0.0
12 Rollies	@60/-	36.0.0
2 Ponies -----		16.0.0
Making Stables		<u>5.0.0</u>
		£130.0.0

N.B. A Pony will convey from 90 to 100 Tons per day with ease on rail way 50 Fathoms distance on a level. The Rail Plates will last 20 Years or upwards.

A Person may be had from this Country who understands the laying of Plate way for about 30/- per week and his travelling expenses Paid.

NEIMME/Bud/15/89

Walls end March 25th 1805

Wynn Belasyse Esq: Knaresborough. Yorkshire.

Sir, I am duly honoured with yours of the 19th Inst. covering the boring account at Coxwold which I have perused and although the stratification is favourable to the presence of Coal yet there are strong reasons for supposing that the under Seam is not regular between the place of boring and the present Pit in the upper Seam that tract, being evidently intersected with Dykes and Troubles. This being the case it appears to me most advisable to bore in search of the under Seam when the upper one is found to lie most regularly and in the greatest perfection which seems to be in a northern direction from the last new Pit on which account I should recommend a boring to be made from the bottom of the next new Pit; or if you should think that waiting the sinking of a new Pit would be attended with too long a delay a boring may be made with almost equal Propriety from the bottom of the last sunk or northernmost Pit

I am Sir Yours etc etc J.B.J.

NEIMME/Bud/15/90

Walls end Colliery March 25th 1805

James Elliot Esq: No 65 Queens Street Edinburgh.

Dear Sir, Your favour of the 15th Inst. covering a Copy of Mr Grieve's Letter to Sir John Hope Bart. etc I have duly received and note the Contents. It appears to me that Mr Grieve has only stated the disadvantages which will arise to Mr Wauchope by Sir Johns not working his Coal having totally neglected to notice those advantages which would arise to Sir John by the working of Mr Wauchope's Coal by virtue of the same Engine and same expense of establishing a Winning, as must necessarily be incurred in the working of the Coal under Henry Laws & Welmet; I say the same expense as my ideas of the nature and situation of the Sea Level must be perfectly incorrect if Sir John

Hope can receive the least benefit from it, in his intended new winning at Harry Laws in its present state, as I am persuaded he will find himself completely mistaken when he attempts to discharge his Engine Water into it and must ultimately be compelled to pump his Water to the Surface. I shall just observe on your concluding Queries, that respecting the Use of a Water Course

NEIMME/Bud/15/91

through Mr Wauchope's Estate, there is certainly no legal right, but if Mr W. cannot dam up his part of the Sea Level which most likely from the ancient mode of driving Sea Levels and the difficulty, or impossibility of access thereto, for the purpose of obstructing the same, he cannot accomplish but which if it could be effected, would either bring Sir John to terms or put him into the situation of Plaintiff in case he chose to litigate the right, and which we consider here as highly favourable to a Defendant on account of the extraordinary charges falling upon a Plaintiff in carrying on a Suit of this nature. If Mr Wauchope cannot stop un the Level in his own Premises, I doubt it will be a tedious and expensive Process to compel sir John Hope to abandon it. I have known an instance where a Gentleman under Circumstances similar to Mr Wauchope's failed in a long Chancery Suit to compel an annual Payment for his Water Courses which nobody could have access to.

On the second with regard to the Minister's Glebe the Practice here when several Glebe Lands are either in Work, or have been lately wrought, is, that the Incumbents claim the Coal and by the consent of the Patrons, confirming their Leases, they demise for themselves and succession for a Term of 21 Years; appropriating the Rents to their own Uses. The best Law Opinions here being that they have a right

NEIMME/Bud/15/92

so to do for the benefit of both Parties, as no Lessees would attempt Winnings for any shorter Period, or the precarious Term of the Lessors Life, or Incumbency.

I wrote Mr Luckie on the 26th Ult. but have not since heard from him if you should happen to see him, will you have the goodness to say it would give me great pleasure to be favoured with a Line from him giving me a slight account of their proceedings at Newton Colliery since I was there. Begging to assure you that I shall at all times have great pleasure in your Correspondence'

I remain Dear Sir,

Yours faithfully

J.B.J.

Pray make my respectful Compliments to Mr & Col: Wauchope etc when you have opportunity.

NEIMME/Bud/15/93

Walls end April 21. 1805

Richard Wilson Esq. Lincoln Inn Fields, London

Sir,

I am duly favoured with yours of the 13th Inst. and have to observe respecting Mr Ogle's Estate near South Shields, that the present Period of Time is not favourable for its sale on building Plots, on account of the great scarcity of Money from the badness of the Shipping Trade last Year, but have little doubt that part may be sold if offered to the Public, and the best way of ascertaining this Point is in my opinion by advertising it in the Newcastle Papers. In addition to the reservation you name, in case of sale, it will also be necessary to reserve the Mines and Minerals. I have taken the liberty to enclose the Copy of an advertisement in which you can make any alteration you think

proper and will wait your Instructions respecting of the same in the Papers etc. I should arrange the Plan so as that the disposal of any Plot will not be injurious to the remainder of the Estate.

I am etc. J.B.J.

NEIMME/Bud/15/94

Advertisement

P.S. On second thoughts I think that reserving the Mines, Minerals etc. will be prejudicial to the sale of the building Plots.

Walls end April 29th 1805

Mr Thomas Pix Junr:

Northam near Lamberhurst. Kent.

Dear Sir,

Your favour of the 27th Inst. came to hand in course but a few days absence from home prevented my replying till the present opportunity. I'm sorry to observe from your account of the Rod business that there is little chance of our getting any, but when I state the Prices etc, you will be able to judge. The Rods which our Corvers are supplied with from Kent are 100 to the Bunch and about 1in; or 1¼in: at the small end and 6 feet long and the Price delivered here is I believe from 20d to 2s/- per Bunch, but as our Corvers contract for the Work do not know the Price exactly that being one of the Secrets and Mysteries of the Profession. If you think it would answer your Purpose to supply a quantity at or about the above Price

NEIMME/Bud/15/95

I think I could send up a Man in the Winter to cut them.

With regard to the Props I enclose you the information you require, but in case of doing business with you in that line should be glad to know what kind of Payment would be agreeable; our Woodmongers here are paid off once a year in the February or March generally. It is desirable to have Props as straight and free from Crooks as possible and the Price quoted is the Price for them delivered in the River Tyne. If you think it worthwhile to find this small order the sooner it is executed the better as it may be considered mainly as an experiment and should it answer the business may probably be extended. I hardly think the splitting scheme will answer for Props, but should you find this order may send a few, say a score or two for trial. It will always give me pleasure to see you when in this Neighbourhood

and am Dear Sir,

Yours truly

John Buddle Junr.

NEIMME/Bud/15/96

Quantity	Length	Diam:top	Diam: bottom	Price per hundred
1000 to 2000	5ft.3in	3in.	4in.	£2. 10. 0
Ditto	6 feet	Do	Do	£3. 10. 0
500	6ft.9	3¼	4¼	£4. 0. 0

N.B. The above is an Average Diam: for the Props a little variation is immaterial, but they had better be thicker than smaller.

Walls end Colliery May 10th 1805

Thomas Bowes Esq: Darlington.

Sir, On the 6th of Oct. last I had the pleasure of addressing you respecting a way leave etc. through Benwell Park on the part of the Owners of Benwell Colliery and as I have not yet been favoured with an answer I take the liberty of requesting your attention to the subject and flatter myself that you will take an early opportunity to favour me with your sentiment on the same.

I have the pleasure to be Sir,

Your most obedient humble Servant

J.B.J.

NEIMME/Bud/15/97

Walls end June 6th 1805

Mr Burrell Esqr. Broompark. Alnwick.

Sir, I was duly favoured with yours of 15th April enclosing Mr Strakers estimate for winning Doddington Colliery together with Messrs Bailey & Reay's proposal for building a pumping Engine there on Boulton & Watts construction and in answer to the same, shall agreeable to your request give you my candid opinion on the pump Engine erected by Messrs Bailey & Reay in consequence of their proposal.

On examination of the Engine the material etc. appear to me to be executed in a very workmanlike manner, and if properly kept in order and judiciously worked have no doubt of its sufficiency to the full extent of its power. I am however of opinion that their proposal is high as under all the inconveniences of Situation etc. I should have stated £400 as a fair and liberal Sum for the erection of a Machine of that description exclusive of a Crab and Crab Rope which is so small an Engine might have been dispensed with, although it is better to have them. I must at the same time beg leave to observe that Messrs Bailey

NEIMME/Bud/15/97a

and Reay not being in the full habit of Engine building could not possibly work to such advantage as those who make a profession of it, and have a suitable establishment, as they would necessarily have to make new Patterns for the castings etc, work which does not appear in the Machine itself although it takes a great deal of doing; but at the same time it must be observed that this is no consideration with the contracting party. From the nature of Bailey and Reay's proposal, I should suppose them entitled to the full amount thereof, deducting for the deficiency of 6 in Pipes Cast iron, that being the only part of the contract which has not been fulfilled; they engaged to find 20 Fa: of those Pipes which would have

	Cwt:	Fr:	Lbs
Weighed -----	58	2	21
They sent to the Colliery -----	<u>36</u>	<u>2</u>	<u>21</u>
Deficiency	<u>22</u>	<u>0</u>	<u>0</u>
Then from the full amount of their Contract	£485.	0.	0
Deduct the deficiency of 6 in Pipe 22 Cwt. @ 21/-	<u>23.</u>	<u>2.</u>	<u>0</u>
Net sum due Messrs Bailey & Reay	<u>£461.</u>	<u>18.</u>	<u>0</u>

The amount of Oliver's work is shown in the Valuation being £91.19.6 including the Carriage of the Materials.

In addition to the Materials valued to the Undertakers the following articles are lying upon the Premises near to the Engine viz.

7 x 6 in Pipes weight 20 Cw. P3 lb 19 @21/- £31.8.3

1 x 11 in Do----- 9 1 0 @ 16/- 7.8.6

£ 38.16.3

NEIMME/Bud/15/97b

The whole value of Engine Materials on the Colliery amount to, the Engine as per valuation ----£405. 9.9

Iron Pipes as above not valued to the undertakers ----- 38.16.3

Net value of Engine Materials on Doddington Colliery ----- 444. 6.0

I feel much flattered by your polite invitation to spend a few days at Broompark during the Summer and if I have an opportunity will be glad to embrace it.

I am respectfully Sir,

Copy

Your most obedient Servant

J.B.J.

We agree to find the Materials and Workmanship for a six horse Steam Engine on Boulton & Watts Construction for the purpose of drawing Water together with the Pumps of Cast Iron including all Materials and Workmanship except the Mason Work for the framing building the Chimney and setting the boiler for the Sum of Four hundred and eighty five pounds. The whole to be executed in a Workmanshiplike Manner and set to work in three Months after receiving the order.

Gateshead

William Reay}

June 7th 1804

John Bailey} Engineers

As far as I am concerned for the executors of the late Mr Wilkie I agree to the above Proposition.

John Straker

NEIMME/Bud/15/97c

Estimate of the Expense of winning Doddington Colliery 90 Yards to the dip of the present Line of Coal Pits.

A Steam Engine of Boulton & Watts construction of a 6 Horse Power with 20 Fathoms of 6In Cast Iron £ s d

Pumps for drawing Water ----- 500 0 0

Sinking the Windmill Pit 8 Fathoms below the Seam ----- 20 0 0

Driving a Stone drift 3 feet square from thence until it cuts the Coal to the dip 90 Yards

at 15s/- per Yard including timber and for Props ----- 67.10.0

Sinking a new Coal Pit 20 Fathoms at 30s/- per..----- 30. 0.0

617. 10.0

N.B. A Common Engine may be erected for drawing the Water for the Sum of £380 but the Consumption of Fuel will be much greater nearly $\frac{3}{4}$ more than the Patent Engine of course it will diminish the Profit of the Colliery in so much as the Engine is employed in drawing the Water.

John Straker

NEIMME/Bud/15/98

Walls end Colliery Sep: 4th 1805

Mr Peareth Esq: Buxton.

Sir, Mr Morriss called here today to inform me that the Quick Land & Water threw up the bottom of the sinking Pit at Urpeth sometime in the course of last night. The Sinker left work at 7 o'clock last evening and everything was then as well as could be wished for having put in a Length of Timber close to the bottom which was in strong clay and perfectly dry but when they came to work at 6 o'clock this Moring they found 9 Fathoms of Water in the Pit. As Mr Morriss assures me that the Shaft was properly secured, according to my own directions I have not the least doubt of its safety and requested him to draw Water with the Tubs for a few hours to prove the feeder in order to ascertain the requisite Engine Power after which you will be able to decide of what construction to build your Engine. The Pit is sunk 18 Fathoms which is nearly 2 Fathoms short of the Quick Sand according to the boring Account; the only inconvenience attending this circumstance is the making of the Cast iron Tub 2 Fathoms Longer

NEIMME/Bud/15/98a

than it was at first intended and I must beg leave to observe that as the Pit is now situated I have not the least doubt of a Cast iron Tub being the most eligible mode of passing the Sand on which account it is well that measures have already been taken for casting it. As soon as I can form an idea of the size of the Engine I will take the Liberty of dropping you a Line on the Subject.

I am very respectfully Sir,

Mr Peareth Esq:

Your most obedient humble Servant

J.B.J.

NEIMME/Bud/15/99

Walls end Sep: 26th 1805

Mr J. Unwick No 6 Cross Lane London.

Sir, Yours of the 24th Inst: advising me of Mr Laybourn's order of 6 Doz: of Claret has come to hand, I have to observe that this order is entirely without my knowledge or Consent and can account for it in no other way than that I did some trifling business for Mr L. for which he promised or rather insisted on making me a present, and for which I presume he has designed the Claret in question. I have only to add that you may keep yourself perfectly easy respecting the wine as on its arrival I shall hold it till I have your orders how to dispose of it.

I am Sir,

Your most obedient Servant

J.B.J.

P.S. I should be glad to know the Price of the Wine, I have not yet heard of its arrival.

