

(10)

Cheadle 11 Sept 1798

R 14

Sr

I have been absent about three weeks recd your favour of the 20th ult. The Gentlemen with whom I am concerned are obligedfor the first refusal of the Calamine....we are at present overstocked. Some mines in which we were concerned in Shropshire have been more productive than we cd wish and a Lease wch we with two other cos now hold under Mr Richard Arkwright near Matlock, has thrown us into an enormous stock of Derbyshire Calamine - as the Shropshire and Derbyshire will not alone answer our purpose and an opportunity offering of purchasing 300 Tons of Flintshire Caln. very cheap from a Co about giving up the Brass trade, we embraced it. Under these circumstances and on account of the unpleasant times, one third of our works here being unemployed, I really know not when we shall want to purchase Calamine of any kinu.

...if in future it should be convenient for his Lordship to deal with our Co for his Calamine we shall be obliged to send over our own people to Calcine it otherwise our concern may be very materially injured, at present, for your government, you may depend that the nature of your Country Caln is such as require a more extraordinary degree of heat than your people are aware of.....

Robtm Daglee

(12)

Cheadle 2 Nov. 1802

R16

My Lord,

In reply to yours favour of the 25th ult we will purchase the quantity of Calcined Calamine your Lordship has to dispose of, supposing it to be about 50 Tons, of a good quality, and perfectly clean. We are at this time receiving some Calamine in bags, and when these Bags are repaired and fit to be sent off, they shall be forwarded to Malham without delay.

When it can be ascertained what probable quantity of Raw Calamine we can be furnished with annually, we shall be glad to be informed, and we will take care to send a Workman in good time to pick and sort it - we presume that nothing of consequence can be done till March or April next.

The line of carriage yr Lordship has pointed out shall be attended to by us, and when next you have occasion to write, be pleased to say what Brass Co you supply with Calamine and (if not improper) whether you have a permanent agreement with that Co.

.....etc.. Roberth Dagley.

R15

(14)

Cheadle 9th Oct. 1802

Sir

It is a very long time since I had the pleasure of addressing you -

Our Co have at length received all the Calamine they had contracted for in Flintshire and are now ready to agree with Lord Ribblesdale (at such fair price as may be hereafter agreed upon) for Four Hundred Tons of Raw Calamine pr annum, provided we may be allowed to send a man over to the spot before it is carried to the shipping place, to pick and sort the same; that we may not pay freight and other charges on what is not Calamine.

Be so good as to say what length of carriage to the nearest Canal and also if the Calamine cannot come all the way to Liverpool by water from the place it is shipped at.

....agent for Thos Patten Esq and the Cheadle Brass Wire Co.

.....Robert Dagley

(13)

Cheadle Nov. 18th. 1802

R17

My Lord

Our Mr Dagley wrote your Lordship on the 2nd Inst to which be pleased to refer. We have now the honour to inform yr Ldsp that yesterday we sent to Malham 3 casks containing 100 empty Calamone bags the casks are directed to yr ldsp at Malham near Settle Yorkshire & are sent to the care of a Friend in Manchester, who is desired to forward them from thence to Malham p the first conveyance either land or water.....

...we wish the bags and Casks to be filled with part of the calcined Calamine we are in treaty with your Lp for (the casks being first ~~fixed~~ repaired if necessary) and forwarded hither by the line of carriage your lp has pointed out to us, namely by Boats down the Aire to the Humber and by Gainsborough into the Trent. In expectation of an invoice of Calamine so soon as the same can be sent off.....

Isaac Milner

(14)

Cheadle Dec 30th 1802

R18

Sir

...letter of 19th recd.....much distressed to hear the Casks containing the Bags were not recd when your letter was wrote. They were sent to the care of one of our Correspondents at Manchester.....Mr John Taylor, Pin Maker and I shd here by the time you rec. this you will have recd the Casks.....

Our particular wish is that the Bags may be filled with ~~Calcined~~ Calcined and the Casks with Raw Calamine. We shd wish a greater quantity of the Raw might be sent about 5 Tons would be a sufficient trial, but for the present we must be content with what the casks will contain - shd any Calamine be sent in the Raw state there will be no necessity for Ton panlings being all washed in the Buddle before

calcining. When the Leeds canal is complete that line will be the cheapest and most expeditious for us - with respect to the best mode of conveyance from you to Gainsbro, we must for the present proceed by your kindness in forwarding it the way that you may think best & the sooner we have it the better, as it is our wish to give it very fair and candid trial. As soon as his l^p can fix the prices both for Raw and Calcined delivered at a certain place we shall be glad to be informed. Please to send this cargo to the care of Hunshall & Co, Agent at Gainsborough and if you will do us the favor to say when it is sent we will write to the Navigation Office Store for its being immediately forwarded to Stoke Wharf.

..... Tho Patten Esq & Co

(15)

Cheadle March 15th 1803

R19

Sir

We wrote you the 30th Dec last since wch we have not been favd with any letter from you. Altho the Casks and Bags went the 17th Nov. did not leve Manchester before the 18th Dec. when they were forwarded from thence p George Howarth the Land Carrier to Blackburn, Settle, etc. we cannot help thinking but they must have arrived with you before this. Our reason therefor for troubling you with this is to request you will inform us if that is the case and when we may expect an Invoice of Calamine. I remain..... Isaac Milner

(16)

Cheadle April 2nd 1803

R20

Sir,

We thank you...for letter of 24th ult. we are glad to be informed you have forwarded part of the Calamine, indeed the weather considered we could not reasonably have expected it much sooner. The remained of the Bags I shd hope - soon follow. We may soon expect the first cargo and as soon as received fair trial shall be given and you shall be informed. I agree with you that Liverpool will for the present be the best mode of conveyance and when the Branch from the Liverpool to join the Rochdale is compleat that conveyance will be the nearest and of course the cheapest. I am afraid the Land Carriage you mention will be no saving. If I may judge from the high charge of Land Carriage in Staffordshire. I shall very soon be able to judge as to the best and cheapest Carriage from you to us as I shall shortly make some particular enquiries on that head.

What little I saw of your Raw Calamine it seems different to any other that I ever saw. Possibly the Snow lying so long on it may in some degree have altered the quality but I shd hope Fire will restore it again. Accept our thanks for the care and attention to the Casks and Bags, & when you send again we shall remit as you mentd. to Mr Richd Preston - Poor Mr Dagley still very poorly at the hot baths. I am afraid he gains little or no ground.

I am.....William Ingleby

If you could send us a sample of your Raw Calamine fresh rassd we might then form a better judgment especially when compared one with the other, I mean the Raw now on the road.

(17)

May 1803

R21

Observations respecting the 21.18.0.11 ~~Calced~~ Calced.

With respect to the Charge of 21.18.0.11 Calcined supposed to be sent to Cheadle April 21st 1803 that parcell must have been sent to some other Company as will be fully explained in the following manner. The first bags we sent was some 400 in 3 Casks and they were not recd untill late in January last & March 24 196 Bags Calcd & 3 Casks of Raw were sent to Gargrave & May 12 196 more were advsd to have been sent. These two parcells make up the 400 Bags except 8 & which were in a shattered state. May 17th 213 Bags were sent and these Bags and Casks were filld and sent June 25th & on June 10th 200 more Bags were forwarded in 2 ~~Casks~~ Casks and which were filled and sent August 19th.

Mr Ingleby has been thus particular to satisfy Dr Collins that the Parcell in question was not sent to Cheadle for it is well known no parcell of the Calamine was sent here loose. Indeed you may easily be satisfied by examining the books at Gargrave or applying to the Carriers or if Dr Collins has the least desire Mr Ingleby will send the whole of the Dcs as well as George Tennants Letters. As Mr Ingleby is desirous that his Ldp shd be satisfied & he hopes Dr Collins will think him right in being thus particular.

1803

March 24th. Dr Collins in his letter advises of 196
Bags Calc. 20. 6. 3. 6
& Raw in 3 Casks 2. 8. 2. 0

May 12th Dr Collins again advises of 196 bags
Calc'd. 21.17. 3.11

Dr Collins in his letter of the same date
& time aspresses a wish for a remittance
at 2 Months for the above & W.Ingleby
herewith sends an exact copy of the Charge

1st Parcell contained 20. 6. 3. 15
2nd do 21.17. 3.11

42. 4. 2.26

Raw in casks 2. 8. 2. 0 @ £5

£274.10. 6

12. 2. 6

286.13. 0

280. 0. 0

And on May 17th* a Bill was Remitted for

Leaving a Balance due to his ldp of
& not £6 as mentioned.

6.13. 0

R22

CHEADLE Co.

May 8. 1803 arrears
June 5 Calcd Cal.deld. 21.10. 3.20
25 Raw White @ £7 10; 2.20
do Grey 11. 1.
July 14 do @ £5 20. 0. 0. 0
Aug 19 Calcined @ £6.10.
18.18. 3. 3
Raw @ £5 9.13. 0. 4
do redd. @ £4.4 1.10. 0. 0

6. 0. 0

140 5. 0

3. 5. 0

4. 2. 4

100. 0. 0

123.10.11

48.15. 0

6. 6. 0

April 21

Sept 10. 22.17

Oct 10. 20. 0. 0

do cald. say 8.0.0

do Raw 20. 0. 0

do red @ £4 10. 0. 0

142. 7. 7½

119. 5. 0½

100. 0. 0

48. 0. 0

100. 0. 0

120. 0. 0

1060.18. 0

142. 7. 7½

927.10. 4½

350. 0. 0

Deduct Sep 27

Recd.

£601. 6. 0½

567.10. 4½

32.15. 8

601. 6. 0½

=====

(loose paper folded in letter (17). Much crossing out and correction in all parts.)

(174)* Dr Sir. - send a Bill on acct for £280. We shall send in a few days.
Bag for 20 Tons Calc: to be filled & forwarded as soon as convenient.
Wm Ingleby
July 1st 1797 we remitted you a Bill for £25.13.9 for 7. 6. 2. 0 Raw
balanance at £3.10.0 on. Poor Mr Bagley died at the 40th Well
on the 2nd last March.

£6 remains due.

R23

(18)

Cheadle Aug. 18. 1803

R24

Sir,

I am favoured with yours of the 8th. The two Casks of Raw Calamine have had a fair trial and I am sorry to say the grey does not prove so good as cd have wished hardly so good as the Calamine we have already recd. but I am on the other hand proud to say that the white proves better in quality & as we wish to do his ldp every justice we are willing to allow him for the white at the rate of £7 per ton & which I hope will enable his ldp to work that part of his mine to a Profit. For the quantity of Calamine already advised of being sent to Gargrave and what may be ready for sending (I estimate at 20 Tons or upwards) I herewith enclose you a Bill at a short date for £550 the rect of which please ackn. by return of Post. Whether this sum is equal to the real quantity I dont know but if you will have the goodness to say what further sum may be due I will on the rect of your Letter send you a further remittance. I have been in daily expectatio of hearing from George Tennant that he has sent the bags to Gargrave filled with Raw or Calcined or both, as we wish to receive as much Calamine as we can before the Winter sets in.

I am.....William Ingleby

I hope Geo. Tennant will be careful in keeping the white separate from the rest. If I mistake not, it was agreed that the Bills shd be made payable to you, & this Bill is made payable accordingly.

(19)

Cheadle Sept. 3rd 1803

R25

Friend George,

Your kind letter I have recd.....I am glad to hear you have sent the different sorts of Calamine which I will get properly tried and I will give Dr Collins a faithful report. I hope the red sort will answer, yet I cant say I admire the colour, I think you are perfectly right in getting all the Calamine down to Malham before the bad weather sets in for if it is carried down in a wet state it will take a long time in drying, I mean before it is in a fit state for weighing, besides paying for the carriage of water.

We have recd the Cargo of Raw, the whole has been weighed with us and we find a deficiency of 7 Hundred weight, and I am glad its no worse. Between you and I, I am of opinion there should be some little allowance for wet for I am of the opinion the present deficiency is in some measure occasioned by the dryness of the season. I shall take the liberty of mentioning the matter to the Doctor when I write to him. We have got by us some Calamine Bags that are useless to us at present which I shall send to you that you may occasionally fill them with white Calamine or any other that you may wish to keep separate. I expect every post to hear from the Doctor with an account of what Calamine has been sent here & what is delivered into the building at Malham that we may send his ldp more money. Pray what state is the mines in and what quantity are you raising. The Doctor I dare say would inform you that we have advanced the price of white Calamine & I give you my word we have done very handsomely and I hope his ldp & the Doctor think so. Tell me when I must send you money & how much & I will send you a Bill. I am friend George with best regards to Dr Collins & you may if you please shew him this letter, I hope I shall always be open ~~to~~ & fair with his ldp and him & I hope I shall always have a proper understanding.

Yrs very truly William Ingleby

I shall be gad to hear you have opened some of the old shafts & that you have met with a Vein of Copper Ore. Pray what do you intend doing with the Old Hillocks they would pay for looking over, send me a sample of them, I shall try your patience.

Sir,

On my return home.....of 24th ult....enclose some observations...will convince you...the 21.18..11 of Calamine was not sent to this place. I have likewise made a statement of the Account in which you will see I have included the whole of the Calamine mentioned by you to be sent and delivered into the Warehouse at Malham, as well as the charge for carriage etc. and after deducting the Bill of £350 sent in Augt. there appears a Balance due to his ldp of £601.19.0 a Bill for which shall be immediately sent if you approve of the Acct as I wish everything to be perfectly and clearly understood. You will of course favour me with a few lines & with respect to the 40 Tons on Bank, if George Tennant will get the quantity down to Malham, Calcine it & get it weighted, & I will remit for that at the price we have fixed viz Seven Guineas p Ton. As it is and has been our wish to give your ldp such a price as to afford a fair profit to himself. Aiter I have been favoured with your answer I will give Geo. Tennant directions when to forward the Calamine. It is my present intentions to forward the present stock in the Raw state and we can in the meantime be procuring Bags for the Calamine that is to be Calcined.....

(personal remarks about an exchange of land, gossip etc)

.....Yrs truly William Ingleby

What Calamine we may in future have from his ldp we wish to have in the Calcined state in preference to the Raw.

I forgot to mention that the price you have fixed for the Red was the very price we had agreed to be paid or at least what we judged a fair one.

Statement - Dr Rt Hon Ld R. in Acct with Thos Fatten Esq and the Cheadle Brass Wire Co. R27
1803.

Dr	Aug.16th To a Bill remitted to Dr Collins		350. 0. 0
	Ballance		<u>601.19. 0</u>
			951.19. 0
Cr	May 17. Ballance then due		6. 13. 0
	Jun 25 Calcined @ £6.10.	21.10. 3.20	140. 5. 0
	Raw £7	1. 1. 3. 2	7. 7. 4
	Jul 14 Raw £5	20. 0. 0. 0	100. 0. 0
	Aug 19 Calcined £6.10	18.18. 3. 3	123. 1.11
	Raw £5	9.13. 0.0	48. 5. 1
	Red £4.4.	1.10. 0. 0	6. 6. 0
	Sept10 Raw £5	23.17. 0. 0	119. 5. 0
	Oct 10 Raw £5	<u>20. 0. 0. 0</u>	<u>100. 0. 0</u>
		116.11. 1.25	651. 3. 4
	and delivered into the Ware house at Malham 13T6h supposed to Produce 8T Calc. @ £6	8. 0. 0. 0	48. 0. 0
	Raw £5	20. 0. 0. 0	100. 0. 0
	Red £4	30. 0. 0. 0	120. 0. 0
	sundries pd for carriage etc		<u>32.15. 8</u>
			951.19. 0
	Balance down		<u>601.19. 0</u>

My Lord

Pursuant to Doctor Collin's Letter. ...I herewith transmit to you a Bill value Six hundred and One Pounds Nineteen Shillings which will be in full for Calamine. As it is our present intention to purchase our Calamine in the Calcined state I shall now mention to you what I shd have done to the Dr. that it is always a Custom to weigh Calamine both in the Raw and Calcined state by the weight of 120 pounds to the Hundred ~~weight~~ and not 112 pounds the difference of 8 pounas is but trifling. I thought it right to mention the circumstance to your ldr and I doubt not directions will be given to Geo Tennant accordingly to weigh what in future we may have, by the former weight. When Geo Tennant has Calcined the 40 Tons mentioned and weighed when calcined, and the weight sent here, I can then remit to your ldr the amount of that Quantity. You will do me the favour to acknowledge the rect of the Bill.

I am..... William Ingleby

The Doctor desired the enclosed paper might be returned.

(enclosure) Copy of a letter from W.I. to G.Tennant Nov 15 I am favd with yrs. on 10th the Bags you mention do not belong to us but I suppose to some other Co. Dr Collins has sent me a letter with an acct of the Calamine that has been deld at Malham and there shd be in the warehouse according to his acct 15T6h Ficked Bottoms wh you suppd would produce 8Tons and 20 Tons raw and 30 Tons Red -6T6h now in warehouse the whole of which as well as the 20 Tns Raw sent Oct 10th is paid for.....The Dr says he wd say what we ought to pay for the supposed 40 tons of Calamine in the mine & on bank.. the price fixd by you was £6.12 at the ~~Malham~~ Mine or 7 Guineas Calcined.....we shd prefer having it in the Calcined state..we intend getting a new set of bags made for the present Bags are too large. I beg you when you fill them not to fill them too full - the Doctor says it will cost £200 to sink a shaft, I had no idea it would cost so much & without one I am afraid you will be short of air. You ill please inform me when you send any of our Calamine to Gargrave.

W.I.

(22)

Cheadle Feb 27. 1804

R29

Dear Sir

I am favd wth yrs of 22nd & glad to find the Calamine produces more than the estimation & I would not omit one post in enclosing you a Bill for the amount of the Calamine conformable to your statement & which I have not a doubt is perfectly correct -.....(personal)

William Ingleby.

(23)

Cheadle July 17. 1804

R30

Dear Sir,

Last Sundays post brt me a letter from Geo Tennant dated the 9th in wh he informs us he had on the 28th ult sent to Gargrave 15tns 10h. of Calamine and that he shd on the day after his letter send 10tn16h more making in the whole 26tn6h - 9t11h of which belonged to us wh was part of the 30tn Dld into our warehouse Feb 21st last the remaining 16t15h is on the new acct. and to be paid for. Besides advising us of the above Calamine George sent us an acct of carriage of Calamine from the mines to the Calamine House and from thence to Gargrave the Total amount of which is £89.11. The only charge that we have yet recd for carriage of any sort is a charge in yr acct of Oct 24th 1803 in wh you then charge for carriage paid by Mr Binns to T Benson £32.15 and in yr subsequent acct dated 22nd Feb the amount of wh is £259.14 no mention is made of any carriage the charge of wh I dare say had not been sent you - however to set all to rights I herewith enclose you a Bill for £56.16 which with the £32.15 charged before makes the sum total of Georges acct

£89.11. You will please to observe George has charged in his acct the whole of the carriage of Cal including the £16.15 mentd above. I have been thus particular to prevent as much as possible any unnecessary trouble to you - in future you had in my opinion better allow George to pay the carriage and we can any time send him a bill as he may want, which will save you trouble. I am truly concerned to learn from Geo. that his Ldps mines are not so productive as was expected and that he is afraid at the present price given for the Calamine that the Mines will not be worked at a Profit. As it is and always has been, our Comps. desire to meet his Ldps wishes as much as they can with propriety do, We are willing to give his ldp still a higher price for what has been delvd since the last settling as well as for what may in future be deliverd - in short it is our wish to give him such a price as we are in hopes will enable him to work his mines to advantage. When you have seen and consulted with his lpd on this head we shall be happy to hear from you - Be good enough to mention how much his ldp thinks the price ought to be advanced

I beg my services to his ldp.....

William Ingleby

R31

(24)

Cheadle. 18 Aug. 1804

Dear Sir

Yr letter of 13th inst.... as I receive Geo. Tennant does not copy his letters I think a duty I owe to his ldp & yourself as well as our own Co. to immediately endeavour to rectify any error that may appear respecting the 20 Tons of Raw whch you say was sent 25th Feb. & whch you conceive is not settled for.I herewith enclose account to Oct 22nd as well as a copy of my letter to Geo. Tennant ~~direct~~ dated the 15th Nov. in whch I told him that our stock then in the Warehouse at Malham was 15T6 picked Bottoms 20Tns Raw and 30Tns Red in all 63tn6. And George in his letter to us 26th Jan. advised of having sent the 30 tons of Red and 8tns 8c from the Picked Bottoms & in that Letter he says "I shall forward the remaining parcell of grey as fast as possible which will be the last of the old stock" And in his letter of Mar 8 he advises of the 20 Tn of Grey being the last parcell of the old stock.....

Mr Frston of Gargrave cansatisfy him what Calamine was forwarded from that place.....We have no objection to pay the £8 p ton for the Calcined Calamine at Malham as mentioned Yrs etc..... William Ingleby

(25)

Cheadle Sep 3rd 1804

R32

Dear Sir,

I wd not omit one Post in acknowledging the rect of yr kind ltr of 27th Ult and at the same time to Enclose you a Bill for Two Hundred & Eighty Three Founds 2/ for the former Parcell of Calamine vizt 16T15c at 7 Guineas & the 20Tn at £8 - I will not trouble you about Bags Mr Tennant and I can settle that matter, and I dare say he will inform me when he has sent a parcell to Gargrave.....

William Ingleby

(26)

Cheadle Dec 27th 1804

R33

Dear Sir,

I am fvd etc. of 22nd. Yr acct of the 3 Parcels of Calamine snet are Correct making in the whole 37Tns but my good sir, you must have forgot the 20 Tn of it is paid for of which I suppose you forgot to mention to George Tennant that in fact the Quantity owing for is 17Tn 5. 0 and to satisfy you that I am right, I enclose your letter to me of Aug. 27th and if you will refer to mine to you of Sept. 3rd you will find I remitted to you a Bill for £285.2.0

William Ingleby

(27)

Cheadle Jan 10. 1805

(27)

Cheadle Jan 10. 1805

R34

Dear Sir,

I am favd. of 6th inst. I wrote Geo. Tennant lately and told him our Calamine Bags were from home but we would send him some as soon as we could, and I told him that we had much rather the Calamine was for the present warehoused as we experience considerable decrease in weight in the winter months owing to Frosts etc and the Bags being so long locked up at one place or other that they become Rotten and consequently burst by the Calamine being so Frozen & I particularly told him That when he had a certain quantity prepared to weigh it and set it apart and send you the account of the weight and when the Charge was sent we would pay for it and as there is sufficient room in the new Calamine House it might as well lie there as on the Road. Last post brought likewise a Letter from George Tennant dated the 3rd in which he says "I suppose the Powder Calamine we are now bringing down from the Mines to be about 12 Tons" This 12 Tons he mentions is I apprehend the same you mention and for which part of the present payment is made and if it is the same do be so kind as inform Geo. it is paid for. My Reason is to prevent any mistakes with George. Indeed we are so exact that we can at any time (I hope) adjust any little Error.

.....William Ingleby

I enclose you a Bill for Two Hundred and thirty three Pounds 4/- in full for Calamine to this time.
 29T 3c. @ at £8 £233.4.0

(28)

Cheadle. Apr. 13. 1805

R35

Dear Sir

.....I am pleased to find the quantity exceeds his (G.T.) expectation Now the days are got a good length we will send him a few hundred Bags. Enclosed I send you a Bill for One Hundred and thirty Pounds and it is our wish to put his ldp to as little trouble as possible - we have made the Bill payable at 14 days only.....

William Ingleby.

The application and letter you allude to was in my opinion not from a partner in the Brass Works at Stone, but from some other Person in their behalf.

(29)

Cheadle July 6 1805

R36

Dear Sir

..... I am highly pleased to hear so favourable a report of his ldps Mines and I hope they may long be profitable I have been long anxious to have sent Bags to Malham to be filled. We have lately made many new ones and we have forwarded near 400.....

William Ingleby

I am but just back from our Copper Work near Swansea.

(30)

Cheadle Oct. 3. 1805

R37

Dear Sir,

.....Enclosed I send you a Bill for One Hundred and Sixty Pounds for the 20 Tons of Calamine. I had a letter from G.T. lately and he told me ~~max~~ he was preparing 20Tons for us.....

William Ingleby

(31) A memorandum. nd.

Geo. Tennants report to June 1806

141 Raw to Cheadle
 82 Calcined Old stock
 83 do New Stock
72 do now in abt 5 Yrs
 378 Tons

Qu. If the Union(?) Company have delivered all the Casks and Bags.

We have 8 Casks from Bradley hold abt 9 c each
2 do of our own before 5 c do
 10 Together abt 4 Tons

 To make up 72 Tons of Calamine viz 12 Tons
 Geo has now filled 495 Bags weighing. 20
 23 Tn 3c 2q being all paid for and rect. 20
 settled 20

There are now remaining at Malham 157 Bags belonging to the Cheadle Company which may be filled with any sort my ld likes N.B! each of the these Bags will contain somewhat short of 100 lb and the 157 about 25 Tons when Calcined. The Cheadle Co have also 3 Casks which may hold abt a Ton and a half ton.

We have only abt 2 or 300 lb calcined grey and abt 20 Tons raw grey down in ye Calcination House. abt 2 do of white 12 Tn of ye 2d coloured grey 2 Tn of a third colour, rather sandy but finer than ye grey. The 4th sort is of a Darkish Red colour by Candle light but not of so good a quality as any of the other sorts. these last White 2 Tns

2nd sort 12
 3rd 2
 4th 2
 18

If the Rubbish at top of ye Mine be removed or disturbed ye top water will assuredly break into ye whole and drown the mine indeed entirely destroy ye works.

G.T.

Cheadle Oct. 16. 1806

(32)

Dear Sir,

I am favd etc. 27th....I am gl'd to hear his ldr has made some new and valuable discoveries in his mine. The sample you have sent shall be carefully tried. Our Trade as well as many others has been but moderate for some time consequently not so much business done as heretofore which has thrown us into large stocks of Calamine & I can assure you that we have now upwards of 100 Tons of your Calamine on hand & until the great stocks are considerably reduced we must decline purchasing. At the rate we use your Calamine what we have in hand will last some time.

..... William Ingleby.

(33)

12 Apl. 1807

R40

Dr Sir,

George Tennant was down here yesterday and mentioned that you had commissioned him to enquire what Quantity of Calamine and what quality My Lord Ribblesdale had at present and a Prospect of what he might hereafter have to dispose of.

In ye course of our conversation He dropt an expression which seemd to me to confirm a Rumour that had previously come to my Ears - that you had been surprised **that the 157 Bags & 3 Casks left at Malham had not been filled and forwarded as usual;**

Now it seems requisite for my own sake that this circumstance shd be set right as I wrote you word they shd be taken care of and forwarded to your order.

So soon as the New Shaft was compleated and we were enabled to get up the different species of Calamine found in ye New Ground I enquired for your Casks and Bags with an Intention of sending you a sample - when to my surprise I heard that George Tennant had a good while before - Indeed I think they said he had almost immedtly after they were laid by - taken them away without saying a word to me or to any of My Lords servants who were responsible for them by what authority he had removed them. It was added also that he had filled them with some Calamine of his sons from some other mines.

Of course I cd not but conclude he durst not have taken this part without your permission & in my answer to my subsequent letter of the 27th ~~last~~ of Sept. when you had some samples from ye New Ground sent I believe 60lbs of ye Calcined and 60 lbs Raw, you do not advert to ye circumstance and say you will give ye samples a fair trial ec. You will I think therefor excuse me from vindicating myself from any charge of inattention towards you.

I am glad to say that the Mines are likely to be very productive and his ldp has I believe 100 Tons already got up of a quality which appears from repeated trials to be the richest as an ore of Zinc that hath ever come out of theses Mines. We believe therefor and hope it will answer yr purposes of making Wire Brass better than any you have hitherto had from his Lordships Works - I gave George Tennant a sample yesterday and his Lordship desires me to say He will give directions for forwarding to you one or Ten Tons or more of it that you may prove its Excellence and ascertain its value to you.

I am, yrs (unsigned copy)
to Cheadle Co.

(34)

Cheadle Apl. 25rd 1807

R41

Dear Sir,

I am favd with yrs of 15th I can with truth say that we have at this time from 60 to 70 Tons of Malham Calamine now on hand, however as I am anxious to give his Lordships Calamine lately raised, a fair trial and which you say is of a superior Quality I have ordered 120 Bags to be packed & which will be forwarded in a day or two directed to Mr Preston at Gargrave which you will please direct your agent to get Mr Preston to forward to Malham and get filled with your best Calamine & when sent I wish you would give me your idea of the supposed price my Lord will expect for it. I wish with all my heart it may prove to yield well in the Furnaces. You may however depend I will give you a fair and faithfull report of it
.....
William Ingleby

Cheadle Aug. 22nd. 1807

R42

Dear Sir,

I was in hopes from what you said that the Calamine you intended sending me was to be full as good as what we have received from Malham, but I am sorry to say the reverse is the case being much inferior in Quality and will not by any means answer. Pray what are we to do with it. I am truly glad a larger Qty was not sent; surely this cannot be the best you raise. If your Agent had any Judgement he would not have sent such stuff for Brass making. I am dear sir, Yrs

.....William Ingleby

Calcining proceedure -

R56

Malham April 28. 1818

My Lord,

This is to inform you that Mr Ingleby and two of his men have been at our works and they shewed us a differ^{at} plan of burning the Calymy to what we have done before and I have made a trial of their plan the Calculation of which is as follows : first we burn it as we did before then we dress it as we usually did before which cost us about 8s. per Ton after this we burn it over again which reduces one Ton to 16 H. now this you will see takes off £2 pr ton now the expence of burning it over again will cost us abt £1.0.0 besides we shall have some alteration to make in the Furnace which will cost us abt £1.10. but I expect by altering the Furnace it will be to our advantage in saving coals now I expect the Company will make some advance in the price for they seemed very well pleased with the Calamy we had up and our works are good at present we have not done any more at the Weets mine yet the company say they will take a good Quantity of Calamy if things be made agreeable between you and them now you will see by what I have said the difference there is between the old manner of burning it and the plan they want it doing in I could wish you would let me know what you think about it when you have considered it over for a I shall not make any alteration while I hear from you I have had some talk with Mr Clapham about the exchange of land.....

I hope you will give me an answer to what I have wrote as I have all things in readiness for making the fence if the exchange should not take place we have nearly got the Cove fence between Lunds and us finished

So I remain your Humble Servt John Brotherton.

1. 16th Feb.

..happy to lear that my Ld had determined to employ a miner in superintending his works for the future....
 ..as to Watson all that we have to remark is that he seems to have forwarded the Calamine regularly...
 on the 17 ulto we forwarded 505 empty bags to Watson and this months 400 together make 905

Jnn Ingleby
2. abst. agree to dismiss Watson at his Ldshps request, though they found him satisfactory. 14. March
3. 28 March. we decided we could employ no agent who has acted in the way Watson has done... give direction to the Carrier to bring it by Manchester...wish it all to come that way for for the sake of the expedition.
4. 21 April. recd. Watson's acct for carriage.

To Carriage of 14cT.17c. Calamine by Benson fr. Malham to Gargrave at 5/-	27. 4. 5
march 27th 1814 to March 27th 1815	
Ld Preston for Wharriage of the above at 7d p Ton	4. 6. 9
do repairing Casks & nails 0.11.10	
allowande ^d & wages Gargave 1.11.0	2. 2. 10
	45. 15. 10

^d this is an item we do not quite understand.
5. 26 April. recd note of 44T.10c. of Calamine and enclose draft for £445. Tennant was instructed to apply to you for the loan of 200 bags if you could spare them. Immediate orders shall be given to send Brotherton a large Supply of Bags as our object~~is~~ is to get a large quantity of Calamine during the Summer months and we are glad to hear preparation is making accordingly at Malham.
6. 14. June. enclose a Bill at 2 Months on our Bankers in London for £209 for 20T 18c best Calamine. On 6th forwarded 2 Casks containing 360 Bags...
7. 22 July enclose draft for £210 for 18T.5c best and 5T 10c of inferior Calamine.
8. 16 Sept. 24th ult forwarded 2 casks with 360 Bags and 1st inst 1 Cask with 180 Bags, together 540 Bags
9. 2 Oct. enclose draft for £380 for Calamine. Since last have sent 540 Bags, Sept 21st and 28th.
10. 15 Nov. enclose draft for £250 for 25T Calamine. Ask Brotherton to send us an exact acct of the weight of Calamine forwarded since advice of 29th Sept. On 12th ult a cask of 200 bags. a cask with 200 bags on 9th inst.
11. 25 Nov. last payment of £250 too much as the 25T included 13T 11c which was paid for 2 Oct last. "The Calamine is of so fine a body and consequently is so ready to fly off by evaporation that all our attempts to work it by itself have been fruitless" Yesterday was forwarded 2 casks with 360 Bags.
12. 5 Dec. "At the period I last wrote we were about trying another & final experiment on my Lord's Calamine (as to the possibility of taking off a larger proportion) and I am exceeding happy to add that it has answered beyond our most sanguine expectations- so confident are we of the result that we can now safely assure his Lordship that we shall be able certainly to consume all that his mine can raise even should it be considerably more than we have upon an average as yet received - it will however be necessary for us that we should have an assurance on the part of his Lordship that we may depend upon the supply he can raise because we shall be obliged to alter the whole of our Casting

pots (which will be a considerable expence to us) to enable us to introduce a much larger proportion of the Malham Calamine - indeed we could when we are convinced take off more than the Mine will produce. At the same time you will see the Reasonableness of our being upon a certainty as to supply before we make the proposed changes - upon the receipt of your answer (presuming that his Lordship accepts our offer) we shall immediately make our new arrangements & also order a considerable quantity more of Bagging not only enough to bring the Calamine here but we mean that Brotherton shall always have a few in store that he may fill them as the Calamine is prepared - in regard to payment we shall as usual remit his Lordship as you may from time to time report Calamine as delivered in the warehouse it must be our fault if we do not supply the Bags as fast as there is Calamine to fill them.

We are still much confused with Brothertons accounts of Calamine rendered to you & think he must have put down Parcels as Bagged and sent off when in fact it was merely a delivery in the warehouse - for instance the 1st Tille about which we still are in much doubt and perplexity - He states it to be forwarded on the 28th Sept. but it most clearly appears to us that he could not at that time have Bags sufficient for it - To the 24th April last inclusive we can make out his account but since that period we have had no regular advice from him may we therefore request you will order him to send us as soon as he may a particular of the Parcels forwarded (say the Dates, number of Casks and Bags and weight of Calamine) from the 24th April to the present time. We then hope to be able to clear up the business. Be kind enough also to desire him always to advise us (& then only) when he sends off any Calamine particularly Casks Bags and quantity & prevent further errors. Watson always attended to this and we were in consequence free from all mistakes - Brotherton we have no doubt intends to do right & to be regular but poor fellow he does not seem to understand much of accounts but still he may ~~be~~ easily do or get done what we require of him.

J. Ingleby.

	T. C. lb		£	s	d
March 20th sent	20. 15. 0				
April 12	25. 15. 0	recd	445.	0.	0
June 5	20. 12. 0	recd	209.	0.	0
do 17	10. 8. 0				
July 14	7. 17. 0	recd	182.	10.	0
do 20	5. 10. 0	recd	27.	10.	0
Oct 2.	58. 0. 0	recd	380.	0.	0
Nov 15	25. 0. 0	recd	250.	0.	0
	<hr/>		<hr/>		
Tons	152. 3. 0		£	1494.	0. 0

RS7 1

M.H. 109

Tuesday morning 11th March. 1806

My dear Lord,

On Sunday morning I had a more particular opportunity of conversing with Mr Hargreaves Men on the object of their journey and although they were clear enough as to the precise Place for the shaft in chasm 44 & which was staked out as tallying with the former Diallers - yet they declared they did not think themselves sufficiently correct or informed so as to deliver any satisfactory dialling of the other great Chasms and especially 84 and the different Leadings and Bearings of the narrow cevices and avenues for the purpose of ascertaining the exact spot or mode for beginning the Drift or Grot Level which is deemed by them essential for ~~drainage~~ effectually ridding the whole works forever from water and also for the getting out the Mineral etc at infinitely less expence and with 80 parts in 100 as to Trouble and Expedition.

They wished to go down again if Mr Hargreaves wd permit them and I wrote a line to him for the purpose, as this last mentd. design certainly requires the minutest and most thorough investigation before we commence our grand operation. - When the Declension or Slope of the Level is accurately laid down below - i.e. at the sole of the Vein, it will readily be dialled above ground so as to know at what depth the Mouth or Breakout of the Drift must commence in the valley falling Eastward in Fikedaw. It is at present judged the fall is 7 yards - but if such a Distance will not be sure to clear every obstruction from every point of these richly stored Subterraneous Mines, it will be prudent to take a longer space downwards, if it increases the expence and Labour by the lengthening of the Drift.

They now think (that is Binns and George Tennant from the levels made by the former Diallers) that the Drift may commence about 100 yards from the part of Chasm 44 where the new shaft is I trust begun - that is at the ~~westward~~ lowest and deepest place they have discovered in any part of the work, and the Burnleians are clear that it is so, and that the Waters from 84 as well as from Chasm 104 and old Mines all meet here.

Like Mr Secretary Windhams abhorrence of Ilans these Under-Scrutiniers cannot bear our Chasm 104, Chasm 44 or Chasm 84 - it is all one vast Cavity created by an Earthquake and Volcanno of Fire - only interrupted in places by larger or smaller heaps of unburnt Stones and rubbish. Even in such strata they found Calamine - and into the Place where the shaft is sinking (still C.44) there are four Veins which would as it were intersect each other but falling into this hollow their Treasures as well as the water may commodiously be conveyed by the Drift. They recommend therefore the Level to be 6 feet high and 4 feet wide - an iron cartway which will cost exactly 4 sh: a yard, and a little 4 wheeled waggon to run therein. This wd carry a ton of Calamine at a time & wd be shoved by a Boy behind it from its being filled to the Mouth of the Level or Drift. Comparatively therefor with what has been done, we shall get out the material at an eightieth part or more of the Expence and Time.

You will easily perceive that this will be a tedious Undertaking unless by pursuing the Veins where Boothman left off and which the Burnleians strongly recommend to be followed up by all the Boys and Men who are not fit for ~~taking~~ Sinking our Shaft while this is doing and watson says if he comes again he will make an effort himself to discover which way the interstices lay that are the conveyances of the Waters which seem from all quarters to fall into them hereabouts.

I wrote by Boothman on Sunday afternoon pressing these operations in the strongest manner I cd pen - but both Watson and Boothman agreed that George had no Zeal not Activity about himself, that he had let the Men get the better of him and he