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1.

May 27th. Sunday Went with M^r. Donkin to Blackwall, to See the great Steam Ship, the British Queen, which was launched last Thursday and is now lying in the London Canal, at the Isle of Dogs, to have her Engines, put in and to be fitted out for a Packet Vessel between London and New York. This is the largest Steamer that has yet been built in England.

The
great
Steam
Ship
British
Queen

Her Length on the Water-line is 230 F^t.
Ditto – extreme ————— 253
Breadth of Beam ————— 40
Depth of Hold ————— 27
Whole Breadth including Paddles 69
Displacement 2700 Tons
Draft of Water when loaden 16 F^t.
Paddle Wheels 30 F^t. diameter
Engines 250 horse Power each
will carry 250 Passengers, and 25 days
fuel.

This Vessel looks like a floating Island, but being close beside the Gorgon, new Steam Frigate, and one of the Mediterranean Packets Both very large Vessels, detracts from her apparent Size. We could not get on board as we were not provided with Tickets of Admission
but

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The Gorgon
Steam
Frigate

we got on board the Mediterranean Packet & the Steam Frigate Gorgon. The Packet has 140 horse-Engine Power and is a very nice Vessel
The Gorgon is quite a new Vessel, and is now fitting for Sea, but is not Commissioned
She is to carry 16 Guns – 12 between Decks, and 4 very large ones upon deck.

There are a great many other very fine Steamers lying in the Canal – one a new one fitting out by a Company – not a very large one, to carry Cattle from Madagascar to the Isle of France. This is a very handsome looking Vessel.

We dined at Lovegrove's Blackwall & eat White-Bait. The view of the River from Lovegrove's dining Room is most interesting and beautiful.

M^r. Warren
M^r. J.F. Harrison
Small Coal
tentale
Lanchester
Common
Colliery

May 28th. Monday Waited upon M^r. Warren 57 Great Russell S^t. Bloomsbury, with M^r. J. F. Harrison, relative to the difference of opinion which exists between M^r. F.B. Taylor and myself, relative to the tentale Rent of the Small Coals at Pontop Colliery. M^r. Warren agreed that M^r. T. & J. might appoint a 3^d. Person to decide between us.
Met Mess^{rs}. R.W. Brandling, Donkin,

& N. Wood at Green's Hotel to discuss the Subject of the Coal-trade, preparatory to our meetg. with the Factors tomorrow.

Went with Donkin & Wood to the Comm^{ee}. Room of the Church Lease injury to endeavour to ascertain if we Should have to be examined Shortly. We had M^r. Lambton called out of the Room, and he undertook to make this inquiry for us when the Comm^{ee}. breaks up to day. Called upon M^r. M^c. Donnell, and discussed L^d. Londonderry's affairs with him May 29th. Tuesday Met Donkin at N. Woods Lodgings 118 Oxford S^t. to discuss W. Greenwell's offer of Bend Brough & Thompson's [afeaton] Coal to the Hetton Co. viz. at 30£ P. Ann. certain Rent and 22/ 6 P. Ten for the Hutton & 17/ 6 for the other Seams We agreed to accept the offer on Condition of the parties letting the 3 Parcels jointly as one concern and accepting 3/- P. ton Outstroke Rent for Coals worked out of adjoining Royalties.

We then went to M^r. M^c. Donnell who approved of what we had done, and it was agreed that when M^r. Wood & I returned to the North we Sh^d. examine the locality of the Seaton Royalties with a view to fix upon a proper

situation for the Winning, with Reference to L^d. Londonderry's Seaham Coal, as well as the Seaton Coal. I Started my Private views and opinion to M^r. M^c. Donnell on the Subject in all it's bearing, both with respect to himself personally and to L^d. L. as tenant for Life.

Laboucher's Committee
 Attended a Meeting at M^r. Pease's Lodgings to discuss the Clauses of the new Coal Bill which has to be discussed in Laboucher's Comm^{ee}. tomorrow. M^r. Pease was not at home but Mess^{rs}. Bell, Lambton M.P.'s and Mess^{rs}. R.W. Brandling, Donkin, J. Gregson, N. Wood, & Rawstern were Present.

Meeting of Coal-owners and Coal Factors
 Attended a Meeting of Coal-owners & Coal Factors of the Exchequer Coffee-house, Palace Yard present

M ^r . M ^c . Donnell	{	Lord Wharnccliffe in the Chair
		M ^r . Brandling
		Donkin _ J. Gregson
		N. Wood. J.B
		M. Bell M.P.
Factors	{	Ja ^s . Pease M.P.
		M ^R . Bentley Fenwick
		— Marshall Jn ^o . Scott Sec.
		— Hill
		— R ^t . Clark
		— R. Brown

The State of the trade, and the working of the rotation System were fully discussed

and 1st. as to the Number of Ships offered for Sale each Market day.

The greatest N^o. of Ships which can be offered for Sale in one day, as the Factor's Regulation now Stands is 70 which is tant-amount to an unlimited Sale, as it is a greater N^o. than can be taken off the Market in any Single day. This being the Case it was agreed that when the Prices advanced to

P. ton, there Should be a free Sale, which would remove the cause of public complaint on that head, altho' it would not cause a greater Sale.

The Factors denied that the Market Returns of Prices were false – beyond 3^d. P. ton generally Speaking. The reason of this is that a Factor is frequently obliged to Sell the last quarter of a Ships' Cargo, at 3^d. P. Ton less than the $\frac{3}{4}$ in order to get the Ship cleared. But he always returns the whole Cargo, as if Sold at the high price otherwise he would either have to reduce the price of the first $\frac{3}{4}$ th. Sold, or disoblige the Buyers. They declared that they

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Meeting of
Coal-owners
and
Coal Factors

send accurate returns of the Selling prices of the Coals to the Fitting Offices, and that a correct acco^t. of the Sales may be had there. It was admitted that certain Sorts of Coals were more in demand at one Season of the year than at another, and that it would Suit the trade better if the Coll^s. supplying the Coals, which, fluctuated in demand be allowed to vend an extra quantity during the period of such demand, and to vend less when the extra demand Should Subside.

In short that the Coals might be classed, and the different classes to be vended, so as to Suit the demands of the Market. But they were decidedly of the opinion that this Classification of Coals can be made by the Coal-Owners. And finally that unless the Regulation in the North is made more complete & the Ships Kept back, it will be impossible for them to maintain their Regulation. The Clauses of the Coal-Bill as proposed by Labouchere's Committee were then discussed.

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M^r. Guest's
Dowlais
Colliery

May 30th. Wed. Mess^{rs}. Evens & Heppel waited upon me this morn^g. from M. Guest – being his Colliery Agent & Viewer – with Plans & Sections of his Dowlais Colliery to consult me respecting a new Winning of the Colliery.

Labouchere's
Comm^{ee}.
Attended with Mess^{rs}. Donkin & Gregson at
Labouchere's Comm^{ee}. Room at ½ Past 12 o ' Clock
The Comm^{ee}. Spent the day in discussing the
clauses of the Coal Bill, but did not get thro'
them and adjourned for a Week.

M^r. Lambton informed me that the Church
Lease Comm^{er}. had decided to commence with
the examination of the Witnesses for the Co.
of Durham on the 15th. June, and that I
should not be wanted 'till then. I therefore
resolved to Return to the N. at the end
of the Week, and to come back again to
London against the 15th. of June.

Oakwood
Colliery
Mess^{rs}. J.F. Harrison & Marreeo, with M^r.
Brough the Mining Engineer called upon
me, to consult on a Coal & Iron Work they
are in treaty for near Neath in S^o. Wales

The Colliery is called the Oakwood Colly.
It comprises 3 Several Royalties viz.

Cum Efan Bach. Agred & M^r. Powells
Estate. Gave Brough the necessary
instructions

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instructions for viewing & reporting on
this Colliery

Coal-trade
Tanfield-
moor Colly.
May 31st. Thursday Met M^r. R.W. Brandling
& Donkin at Green's Hotel, on the Coal
Bill & Coal-trade business. At 10 o ' Clock
Called on M^r. Parkinson & gave him the a
Statement of the Rental of Winlaton Lord-
Ship, Shewing the Amo^t. of M^r. Pitt's $\frac{1}{96}$
Share for the last 7 Years

Met M^r. Brandling at M^r. N. Woods' Lodg^s.
at ½ Past Eleven on the Coal-trade business

M^r. M^c. Don-
nell.
Waited on M^r. M^c. Donnell on Lord
Londonderry's business

Waited on Lord Londonderry and had
along discussion with him on the State
of his affairs, and more especially about
the Seaton Coal.

Office of
Woods
Called at the Office of Woods – M^r.
Milne was not at home, but I Saw M^r.
J. Gardener, who informed me that it
w^d. be decided tomorrow whether the
Dean Forest Bill w^d. go into Comm^{ee}.
up-Stairs of not. He apprehends it
will, but not 'till after the Holydays

Waited on M^r. J.J. Guest at his

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M^r.
Guest

house 13 Grosvenor Sq. had a long dis-
cussion with him during the greater part
of which Lady Charlotte was present – on
the Subject of the Dowlais Colliery affairs
The Lease under the Marq^s. of Bute
has only 10 years to go from the of

M^r. Guest is now anxious to re-
new the Lease – to fill up the Term to 21 years

but the difficulty is how to approach the Marq^s. on the Subject. Various Suggestions were discussed for the attainment of this object & M^r. Guest, is anxious to commit the matter to my management. No definite plan was, however, decided on, and I am to hear further from him tomorrow.

June 1st. Friday Donkin breakfasted with me this morn^g. I called upon M^r. M^c. Donnell at 10 o ' Clock, & discussed various matters relative to his trust affairs. We then went to M^r. Groom's to inquire if anything further was required for Lord Dungannons & S^r. J. Buckett's Satisfaction beyond the reports given in by N. Wood & myself respecting the renewal of the Pittington Lease. As I Should leave town tomorrow Eveng. M^r. Groom Said he did not require any

M^r.
M^c. Donnell

M^r.
Groom

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Meeting with
M^r. Groom
respecting
the paym^t.
of the
Pittington
Fine

thing more of M^{rs}. Wood & myself, and went into a discussion of the Legal bearing of Pittington Renewal, as Regards the Trustees for the Settled Estates &c.

He said he Should require M^r. J. Gregson' Sanction on the Part of the Mortgagees (Wig-ram) to the pm^t. of the £15000 Fine & then he w^d. be in a Legal Situation to recommend the pm^t. of the Money to M^r. M^c. Donnell, to L^d. Dungannon & S^r. J. Buckett.

He mentioned the renewal of the Rainton Colly. - Lease, which he said ought to be made. M^r. M^c. Donnell Said that he Should not undertake it, but would leave it to Lord Dungannon & S^r. J. Buckett.

Groom said that he should advise S^r. J. Buckett to go down to Pensher to Spend 2 or 3 Weeks there & inform himself of all the circumstances of the Collieries the better to enable himself to judge of the expediency of renewing the Rainton Lease and that he w^d. accompany S^r. John himself

Called upon the Bishop of Durham & had a Conversation with him, relative to

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Bishop
Durham

the Church Lease question. He said Sev^l. of the Bishops had declined to give the Comm^{ee}. information relative to their Sees which he disapproved. As to the appropriatⁿ. he thought no Bill providing for the Pm^t. of the Church – Rates out of the Church Property would Pass the Ho. of Lords.

Mess^{rs}. Evens & Heppel, M^r. Guests Colly. Managers called upon me to consult further on the affairs of the Dowlais Colliery.

M^r. Guest called upon me at ½ Past Four P.M. to Say that he had called upon M^r.

Roy the Marq^s. of Bute's Solicitor, to Say that he had committed the opening of a treaty

M^r. Guest
M^r. Roy
Dowlais
Colliery
Lease

for the renewal of the Dowlais Colly. &c. Lease to me, and that he had appointed me to call upon M^r. Roy, at ½ Past Five, at his Office - 19 Great Geo. Street Westminster.

I called upon M^r. Roy accordingly, who informed me that he had Seen the Marq^s. of Bute Since M^r. Guest had been with him, and that he the Marq^s. was Ready to Receive an offer from M^r. Guest for the renewal of his Lease. I replied that M^r. Guest was not prepared to make any offer, and that the broaching of the Subject

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was my Suggestion, in consequence of having been Consulted by M^r. G. as to the most eligible mode of carrying on his mining operations during the residue of his Lease without reference to the renewal.

In the Course of this investigation it had occurred to me that the course I might recommend to M^r. Guest to pursue, in his Colliery operations for the residue of his existing Lease (10 years) might not possibly be so beneficial to the Marq^s. of Bute, as if he were proceeding in anticipation of a renewal of his Lease, on a term to be agreed upon. And that I had therefore, Suggested to him the propriety of opening a Communication with the Marq^s. on the Subject of a renewal with A view to carrying on the Mines to mutual advantage.

I added that it was with the Marques to fix the Basis on which he w^d. treat for the renewal of the Lease both as to the length of term extent

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mine & Royalty M^r. Guest said he w^d. be Satisfied with a term of 21 Years bey[ond] his present Lease, that is to Say 31 Years from next. M^r. Roy said he would be glad to receive a copy of my Report on the Mining Question. I replied that I had not yet reported, but Should do so by the time I returned to Town about the middle of the Month. When as M^r. Guest wished for nothing but fair and open dealing in the transaction, I would furnish him with a Copy of my report for the Marq^s. of Bute's information. I went to the Ho. of Commons & called M^r. Guest out to communicate the above particulars to him & which he approved.

Woodhouse
Colly.
Reference

Gave evidence before the Arbitrator in the Woodhouse Colly. Reference Case at the Gray's Inn Coffee. House.
June 2^d. Saturday Settled my Bill at the Tave-

Dinner
at
Blackwall

stock this mornng. Went with Donkin in the
Afternoon to meet Mess^{rs}. M^c. Donnell, Russell,
N. Wood & J. Gregson, to dine at Lovegrove's
Blackwall. We had an excellent dinner, with
a great variety of Fish & White Bait, and

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spent an agreeable Afternoon.

I went on Board the London Merchant
Steamer at Down's Wharf at ¼ Past 10 o' Clock
We got under way at 11 o' Clock & proceeded
down the River.

Voyage in
Steamer
from Londⁿ.
to Newcastle

June 3^d. Sunday We had fine weather all last
night and 'till 3 o' Clock P.M. this day, when
between Yarmouth Roads & Winterton, we
encountered a Thunder Storm, with Hail &
Rain, which lasted between 2 & 3 hours when
it cleared up, and we had fine Weather
and a Smooth Sea. We passed the
Dudgeon Light between 7 & 8 o' Clock in the
Evening & at Six, in the mornng. were off Whit-
by. We arrived at Shields at ½ Past ten

Monday 4th.

this Mornng. having been 35½ hours on the
Voyage from London. We had to wait
a while for tide at Shields, but reached
Newcastle Quay at Twelve, being just
37 hours between Down's Wharf & Newcastle
Quay. The Sea was quite Smooth with
light breezes, Sometimes with, & Sometimes
against us, and we could not have had
a better passage. We had 16 Cabin Passengers

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beside some Steerage passengers. M^r. R.W.
Brandling & his Son were passengers.

My Expences were

Cartage & Porter for taking my Luggage from the office 35 Leaden- hall Street, on board	} 0 .. 2 ..
Waterman for putting me on Board –	0 .. 2 ..
Fare to Newcastle _____	2 .. 2 ..
Provisions & refreshment _____	0 .. 9 ..
Steward 2/ 6 – Second d ^r . 1/ - _____	0 .. 3 .. 6
Porter to land Baggage _____	<u>0 .. 1 .. 0</u>
	<u>£2 .. 18 .. 6</u>

My Sister met me at Newcastle
with the Waggonet & I got home to dinner.

Cramlington
Colliery

June 5th. Tuesday At Backworth Colliery &
Cramlington New Winning. Have Sunk
thro' the Main Coal Seam at 9 Fath^s. from
the Surface – no Post and very little Metal-
Stone on the Seam. Section

F	In.	
0 ..	5	Coarse Coal
1 ..	10	Black Stone with Sca[res] of Coal
3 ..	3	Gray Metal
0 ..	11	Tender Coal Are cutting out the
0 ..	3	dark-Metal foundation of the En
2 ..	11	Coal Machine House and

0 .. 4 Gray Metal Sinking the Staple for
 1 .. 4 Slaty Coal the high Set of Pumps
 1 .. 8 Gray Metal have not broken the
 0 .. 4 Brassy Coal Coal Pit yet.
13 .. 3

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June 5th. Went to Pensher in the Afternoon with my
 Sister.
 Seaham June 6th. Wed. At Seaham Harbour inspectg.
 Harbour the Works. The Pottery has got to work.
 Called upon M^r. Mascall at Eppleton on my
 Return to Pensher.
 Pensher June 7th. Thursday Spent the morning at Pensher
 and return to Walls-end in the Afternoon
 Percy-main June 8th. Friday At Percy-main – the Sinking
 of the Flatworth Pit is going on very well – is
 now 22 fathoms below the Main Coal Seam
 and the Furnace drift is Set away – 3 or 4
 Yards in. M^{rs}. Hodgetts & Miss Rankin dined with us
 Williamson June 9th. Sa. Williamson Piele having arrived
 Peile last night to consult me on the S^t. Bees affair
 S^t. Bees which has now to go to reference, I took him
 to Newcastle with me this mornng.
 Lord L_derry Gregson met me at Newcastle, to consult
 on L^d. Londonderry's Project for relieving Seaham
 Harbour from Lord Castlereagh's charge of
 £40,000.
 Fenham Waited on M^r. J. Clayton with M^r. Straker
 Coal. respecting the taking of the N. part of Ben-
 well & Fenham Coal. I told them we c^d.
 only afford 23/ p P. ten for getting the Coals
 to the River – if therefore 7/ 6 outstroke and

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Way-leave Should be charged, the Mine Rent
 would be 16/- M^r. Clayton thought a way-
 leave might be obtained from M^r. Granger thro'
 Elswick, but before making application to him
 a Survey of the line must be made. This I
 engaged to do.
 Attended a Coal-trade Committee Meeting to
 receive a communication from the Factors re-
 lative to the Classification of Coals &c.
 Williamson Piele went home with me to W.end
June 10th. Sunday Had a consultation with W^{mson}.
 Piele on the S^t. Bee's Colliery affair, and on
 the intended deep Winning at Whitehaven
 Colliery. M^r. Sopwith called to consult
 on the Size &c. of my Geological Map of the
 N.Castle Coal-field. Examined the New-
 castle & N. Shields Railway Bridge over the
 Willington dean. The Ribs of the 1st. Wooden
 Arch at the W. end of the Bridge is up and
 the Centering fot the next Arch is being put up
 Willington June 11th. Monday Took Williamson Piele to
 Bridge Hollywell Colly. this mornng. to see the Coal Tubs
 at work. Viewed the Clennell exploring drifts
 with T.J. & Tom Taylor.
 Hollywell Colly.

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Benwell
Colliery

account of a fall in one of the Boards under Dunstan-haugh having let down a quantity of Sand, but no Water, out of the Roof. I tranquillized them by ordering a boring to be made up into the Roof to ascertain whether a Sand-bed lay above the Coal.

Stella
Colliery

Finished putting in the Slides for the tubs in the Stella Freehold new Winning & began the exploring drifts in the upper Seam on the 4th. Ins^t.

N.Castle
and
Carlisle
Railway Co.

The Newcastle & Carlisle Railway Co. have begun the formation of their line in my Gro^d. at Benwell – they have also begun to dig the Foundations of Stanton's New house.

Fenham
New Winng.

Set out the Site for the intended new Winning of Fenham Colliery. And Set R. Atkinson & W. Oliver to work to Survey and level one line of Railway, through Elswick Estate to the Mill Pit Railway & the Staith at the Crooked Billet. And another Line to Benwell Staith, thro' Ja^s. Crowhalls and myown Estate.

Jarrow
Colliery

June 13th. Wed. M^f. Drewitt Brown called upon me this mornng. with Jobling the Viewer of Jarrow Colliery, to consult me

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on the State of that Colliery – particularly as to the Repair, or rather the renovation of the Shaft, which has by Some means or other got into a most ruinous and dilapidated State – So much so as to render the Suspension of the Colliery indispensable until the requisite Repair of the Shaft can be accomplished.

The best mode of accomplishing which, is the point for Consideration

Percy-main
Flatworth
Pit

June 14th. Thursday At Percy-main – viewed the Flatworth Pit – Sinking from the Main, to the Bensham Seam. Is Sunk 25 Fa. below the Main Coal & got the Yard Coal Seam this Mornng.

The Furnace drift, to cut the Bensham Seam on the Rise Side of the 18 Fath. Dyke, is Set out of the Shaft at 21 fath. below the Main Coal and is 12 Yards in this mornng. & has every appearance of being very near the Dyke.

The Sinking of the Pit 10½ F^t. diam. Is let to the Sinkers at £6..10.0 P. Fath. - to find every thing except waiters on & Brakemen. They are to put in the Brattice, and wait on the Masons while Walling. This is a moderate price

Walls-end Pay-day

June 15th. Friday At home all the mornng. at Newcastle Afternoon & Spent the Evening at

Mackieths

June 16th. Sa. In consequence of a Letter from M^r. Milne of the Office of Woods requesting my presence as early as possible, in consequence of Some difficulty which has Risen about the tonnage to be paid as a Royalty on the Iron Ore. I decided to Start by the Mail next Wed. Evng. for Londⁿ.

Fenham Colliery
Gave M^r. Straker the plan of the two Lines of Rail-way from the Site of the intended New Pit at Fenham. He is to consider the merits of the two Lines viz. The W. line to Ben^l. Staith, the E. one to Elswick Staith.

Coal-trade Committee Meeting British Association
Attended a C.T. Comm^{ee}. meeting when the Sum of Money to be recommended to the trade to Subscribe to the British Association was voted for £300 & £500 were proposed – the £300 was carried by a majority of two.

S^t. Bee's Colliery
Matt^s. Dunn called upon me to say that he had rec^d. Instructions to proceed with the Settlement of the S^t. Bee's Colly. Lease, which he wished to proceed with, & thought we Should very Soon be able to Settle it. I told him I was going [to] London next Week, and Could not possibly go into it 'till my Return. I proposed that we Sh^d. name Nick. Wood as our Umpire before we went into the business, which he assented to June 17th. Sunday Mess^{rs}. Easterby & De Carle

and Miss Lock dined with us.

June 18th. Monday The Carlisle Railway was opened between Redheugh & Carlisle this day.

Carlisle Railway [opening]
I went to Blaydon with my two Sisters and Bob. & Mary Fryer – to join the train there from Red-heugh. But they were delayed in Starting 2 hours, & when they arrived at Blaydon, the Carriages were So crowded that we could not get comfortable Seats & the Weather being dull, and unpromising we gave up the idea of going to Carlisle & returned home.

There were 12 Engines and trains, beside a Pi[lot] Engine, and an immense Number of people were in the Carriages.

June 19th. Tuesday As if it happened it was very well that we did not go to Carlisle yesterday as from one delay & another the trains did not all get back again to Redheugh 'till 5 o ' Clock this Mornng.

Lanchester Common
Tanfield-Moor.
Went to Lanchester Common this mornng. and viewed the Stewart Pit, to examine the trial which is being made in the Brass-thill Seam. Called at Tanfield-moor, on my way to Pensher in the Afternoon.

June 20th. Wed. Attended the N. Hetton Board Started for London in the Mail from Chester-le-Street at ½ Past ten, this Evng. to, attend at the Office of Woods relative to the Forest of Dean

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Bill

London
Committee
on
Church Leases

June 22^d. Friday Arrived in London this mornng.
Called at the Offices of Woods – Saw Mess^{rs}. Mill
Gardener & Martin. Made an appointment to
meet L^d. Lowther on the Forest of Dean Bill
relative to the Royalty on the Iron Stone.

Attended the Church Lease Comm^{ee}. and heard
Mess^{rs}. Davison & Turner examined.

Took up my abode at Green's Hotel Lincoln's
Inn Fields, with M^r. Donkin.

Office of
Woods
Lord Lowther

June 23^d. Satdy. Called upon M^r. Gardener
at the Office of Woods – Shewed him the [Model or Maps?]
of the Dean Forest. Went with him and
M^r. Martin to Lord Lowther Carleton Ho.
Terrace to have a Conference on the Forest
of Dean Iron Stone tonnage.

Called upon M^r. M^c. Donnell. Wrote Letters
home.

Great Western
Railway

June 24th. Sunday Spent all the mornng.
in the House with Donkin perusing the
Evidence which had been given before
the Church Lease Committee.

Went to the Great Western Railway
Station at Paddington, and took The
Train to W. Drayton, the First hal[t]ing

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Great
Western
Railway

place 13½ miles from Paddington. We
were 25 minutes in performing this distance
and it took us 45 Min. to return by
the Train from Maidenhead which took us
up at Drayton. The Speed in going was
therefore 31.8 Miles P. Hour, but in return
it was only 17.666.

The Way is 7F^t. Wide between the Rails
which are of Wro^t. Iron. laid on longi-
tudinal pieces of timber. From some Cause
or other, which I had no opportunity of
investigating, the motion of the Carriages
was very unsteady, and Uneasy, Resembling
more the motion of a Coach over pave-
ments, than Carriages on a Railway.

Some people attribute this to the vibration
of the longitudinal Slips of timber upon
the pile-heads to which they are fixed.

Office of
Woods

June 25th. Monday. Called upon L^d. Londonderry
but he was not in. Called at the Office
of Woods & had conversation with M^r. Milne
& Gardener, on the Dean Forest Bill, which
is to be read the 3^d. time in the Commons
to night. Perc^l. Forster & Jn^o. Burrell waitd

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upon me, to get the Clause for leaving Bar-
riers in the W. Sheppardsons Lease to the S^o.
Hetton Co. modified to Suit the Circumstances
of the Property, which was done.

June 26th. Tuesday Occupied the greater part

Church Lease Committee of the day in preparing questions for my examination in the Church Lease Committee next Monday.

June 27th. Wed. Called upon M^r. M^c. Donnell and the Bishop of Durham who invited me to dine with him next Sunday.

Coronation June 28th. Thursday This being the day appo[int.] for the Coronation of Queen Victoria. M^r. Jn^s. Griffith of the Ordinance Office invited me to his House in S^t. James' Street, to see the procession pass. The day being fine the Spectacle of the procession was seen to great advantage and was most Splendid. I saw it to great advantage from a window in the Second Story, but the Situation was too high to attain me to see the Company in the Carriages. I did not, therefore, get a good Sight of the Queen either in going to the Abbey, or returning on the latter occasion I only saw her hand

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hand with the Septre in it, and the lower part of her person as She Sat in the Carriage, but I could not see the Crown.

Coronation The Concourse of people which were assembled on the occasion was prodigious Galleries were erected in the Fronts of the houses – the Windows were filled, and the Leads & Roofs were also filled. And the Steets were completely crammed – yet everything was So well conducted by the Police & Military that perfect order was preserved & no accidents happened.

We walked thro' S^t. James' & the Green Park to Hide Park to See the Fair – the whole area of the Park from Apsley house to Cumberland Gate, was filled with People and appeared when viewed from an elevated situation like a living Ocean of human beings. At half Past ten in the Eveng there was a grand display of Fire-works in the Green & Hide Park. I witnessed the former, which far Surpassed anything of the kind for magnitude, brilliance and variety. I ever saw. The enormous Mass

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Coronation of people, which were moving in the Streets to see the Illumination, was astonishing, but all were in good humour, and no Squabbling or rows took place – So that everything passed off as pleasantly as possible, notwithstanding the great pressure of the Crowd on the Sides of the Streets, and the double & treble Rows of Carriages of all sorts in the Middle. The Evening was remarkably fine which greatly added to the Splendour and comfort of the whole Spectacle. An ample description of all proceedings on this me-

Lord London-
derry

morable occasion is given in the Newspapers
June 29th. Friday Waited on L^d. Londonderry
this morn^g. with M^r. Gregson, by his Ldps.
appointment – to talk over the affairs of the
assign^t. of the Wynyard furniture &c. to M^r.
M^c. Donnell. L^d. L. wished M^r. M^c. D. to
take Security on his Ins^t. in Seaham Harb^r.
& to release the Wyn^d. Property, as a matter
of feeling. He S^d. he had had legal advice
upon the Subject, & was advised that the
Wyn^d. Assignment was not valid & he was
therefore, determined to file a Bill to compel

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M^r. M^c. Donnell to give it up, if he would
not accede to the proposition of exchanging
it for the Harbour. And he directed us to go
and communicate this to M^r. M^c. Donnell.
We went immediately to M^r. M^c. D. and
made the above communication – he immedi-
ately declared that he w^d. not give up the
Wyn^d. Assign^t. until his Bank Bal^{ce}. was p^d.
off, that he w^d. not communicate further
with L^d. L. personally, but referred him to M^r.
Jn^s. Gregson, that he w^d. not pay any more
of L^d. L's Bills & that L^d. L. must therefore
provide for the two Bills due tomorrow at
the Bank – one £3450 due 31st. Dec. 1837 – the
other £3875 due tomorrow – together £7325
He desired us to Return to Lord L. and
inform him of this his determination.
M^r. M^c. D. had written a note to Hunter
to pay the £3450 Bill, but tore it, on our
telling him Lord L's determination.

We returned to L^d. L. to communicate
M^r. M^c. D.'s message, but he had gone to
the Ho. of Lords – So we returned to M^r.
M^c. Donnell & wrote a note, with his

approbation

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to communicate his determination to L^d. L.

Attended a Consultation at S^r. F. Pollock's Chambers
N^o. 2 King's Bench Walk Temple, on Losh's trial
for the innovation of his Patent for Malleable Iron
Railway Wheels. Present S^r. F. Pollock, M^r. R[osh]
M^r.

M^r. M^c.
Donnell

June 30th. Saturday Met Mess^{rs}. Gregson & J.
Gregson at M^r. M^c. Donnell's this morning
when M^r. M^c. D. gave J. Gregson directions
to write L^d. L. his decision as to carrying on
the trust affairs in future, and to add that
if he received any further annoyance from L^d.
L. on the Subject of the Wyn^d. Assign^t. he
would proceed to his remedy, for the re-
covery of his Advances to L^d. L. for the pm^t.
of his debts.

M^r. Combs

Met M^r. Combs & M^r. Harris, at the Somer-
set Coffee-house, on the Subject of letting

Tanfield-moor Colliery.

Met Mess^{rs}. Donkin, N. Wood & Morton at M^r. Lambton's 27 Chester Street Grosvenor Place to consult on the nature of the Evidence which I Should give in the Church Lease Committee next Monday.

Losh's
Action

Met Mess^{rs}. Th. Carr, W^m. Bell, Th. Beel, Th.

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Harrison & N. Wood, at Bell Broderick, and Bells' Office Bow Church Yards to Consult, on Losh's Action against for an infring^t. of his Patent for Miable Iron Railway Wheels. Mess^{rs}. Morton & N. Wood arrived this mornng. July 1st. Sunday Spent the mornng in preparing matter, with Mess^{rs}. Donkin N. Wood & Morton for my examination in the Church Lease Committee tomorrow Dined with the Bishop of Durham at 28 Curzen Street – present M^r. Th. Davison & his Son and the Bishop's two Sons – the Barrister, and the Marine Officer.

Church
Lease
Committee

Bishop of
Durham

July 2^d. Monday I was examined this Mornng. in the Church Lease Committee – my examination occupied 2½ hours.

Church
Lease
Committee

Westminster
Abbey.

Went with M^r. Donkin to see Westminster Abbey as it was fit up & decorated for the Coronation It was Splendidly decorated the Seats being covered with Crimson Velvet. The Throne was Standng. in the State it was in when the Queen was Crowned

Losh's
Action

July 3^d. Tuesday Attended a Consultation at M^r. Cargmaels' Office N^o. 4 old Square Lincolns Inn, on the Cause Losh v. Hague Present Mess^{rs}. Losh, Bell, Bell Sol^{rs}. Bramah, N. Wood, Strong, Cottam, Coutthard, Williams, Th.

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Harrison, Williams, & Carr Solicitor
The line to be taken by the Plaintiffs' Wit-
esses was agreed upon.

Coal-trade
Regulation
meeting
thereon.

Met Mess^{rs}. M^c. Donnell & Wood, at M^r. Stephenson's Office 25 Great Geo. S^t. West-
minster, to have a conference on the af-
fairs of the Coal-trade.

It was agreed

1st. That it was of the utmost importance that the good understanding which has been maintained for some time Past be-
tween the Marq^s. of Londonderry, L^d. Durham and the Hetton Co. Should continue

2. That under the circumstances of all the Collieries in the 3 Rivers Coming [into] the Regulation, it would be most prudent to continue it, until the increase of Basis shall have the effect of reducing the Issues so low, as to approach that point when the reduction of profit, by the curtailment of the Vend, may be as great as by a Reduction of Price

3. That a Classification of the different sorts of Coals Should take place – for

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the purposes of Supplying the Markets with Such Sorts, as may be in demand at particular Seasons, but the extra Vends made by the Sev^l. Classes at the Seasons of demand to be abated, So as all the Colls. may vend no more their due proportions at the end of the year.

Drank Tea & Spent the Evening at M^r. Mascalls.

Losh's
Action

July 4th. Wed. At the Exchequer Court Guild Hall to give evidence in the Course Losh v. Hague L^d. Abinger tried the Cause which lastd. from ½ Past nine – 'till ½ Past 7 in the Evg. S^r. F. Pollock was leading Council for the Plaintiff & the Attorney Gen^l. for the Dfs^t.

Pollock took great pains & made a most eloquent address to the Jury – but L^d. Abinger Summed up unfavourably to the [Plaintiff] & the Jury gave a verdict to the Defd^t.

Church Lease
Committee
S^r. J.J.
Guest B^t.

July 5th. Thursday Spent the day in Correcting any Evidence given before the Church Lease Committee
July 6th. Friday Called upon M^r. M^c. Donnell
Called upon S^r. J.J. Guest, and gave him my preliminary Report on the Dowlais Colliery, which he very much approved

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he set his Clerk to work to make a Copy for himself and another to be deliv^d. to M^r. Roy, the Marq^s. of Bute's Sol^r. w^h. he requested me to do.

Church Lease
Committee

Went to the Church Lease Comm^{ee}. Room and delivered the Corrected Copy of my Evidence to the Clerk, and got the Acc^t. of my Expenses Settled. The Comm^{ee}. only allowed £13. for travelling Expenses, and 2 Gu^s. for the day I was examined. I got an order on the Treasury for the Money Signed by the Chairman

M^r. Roy

Went to M^r. Roy 27 Great Geo. S^t. Westminster and delivered the Copy of my Report on the Dowlais Works to him, agreeably to M^r. Guest's request – he rece^d. me very courteously, Read the Report, and asked some questions relative to the nature of Certain Rents & Royalties on Mines &c. He S^d. he Sh^d. most likely see the Marq^s. of Bute this Evng. or tomorrow and Shew him the Report – and as I told him I was going out of Town tomorrow Evng. he said he w^d. Send any communication

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the Marq^s. of Bute might think right to make on the Report, to S^r. J. Guest.

M^r. Guest

I went immediately to the Ho. Of Commons and communicated the above to him – he ex-

pressed great anxiety that the business Should be bro^t. to a Point with the Marq^s. with as little delay as possible.

Tanfield-
moor Colly

July 7th. Satdy M^r. Seyour breakfasted with me & we talked over the affairs of Tanfield-moor Colly. we then met Mess^{rs}. Parkinson & Lavie, at Farrers & Atkinson's Office, when after much discussion it was decided to fix the re-serve b[o]de for Tanfield-moor Colly. at £20,000 And I wrote a Letter to M^r. Lavie – to Shew to the Master, Stating that to be my opinion

M^r. M^c.
Donnell

Called upon M^r. M^c. Donnell with J. Gregson & had a long discussion on his Trust Affairs.

Called on L^d. Londonderry but he had walk-
ed out, and I did not See him

Went to the Treasury and received the £15..2..0 for giving evidence in the Church Lease Comm^{ee}. Called upon M^r. Milne at the Office of Woods, to take leave of him.

Met Donkin, N. Wood & Morton at Green's Hotel to discuss & Settled the Points on which

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Donkin Should be ex^d. in the Church Lease Comm^{ee}.

Dined together at Greens, and took my pas-
sage to Newcastle in the London Merchant
Steamer. Sailed from Broom's Wharf at
½ Past Eleven P.M.

July 8th. Sunday After passing Yarmouth
Roads, we had a very Strong head-wind
which Contin^d. 'till late at night, and retarded
the Vessels way considerably.

Return from
London

July 9th. Monday I landed from the Steamer
at Seaham by a Coble, at 12 o ' Clock

Feeder of
Water
Percy-main
Colliery

In the Afternoon I received a Letter from
W^m. Oliver, to inform me, that a large feeder
of Water had broken down in the S^o. E. Way
Percy Pit Percy-main Colly. which had obliged them to
draw the Horses out of the Howdon Pit

I therefore Set out for Percy-main, and
on arriving there found that this Feeder had
broke down in the first Goaf which had
been drawn, in the far S.E. of Forsters Way
next S^o. Shields Boundary, sometime on
Sunday Night. Oliver had meas^d. the Feeder
& found it to fill a 93 Gall.Tub in 13 Seconds
which is equal to 429.24 Galls. a Minute.

The Water had reached the Howdon En.
last night at 11 o ' Clock and was rising

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rapidly. Oliver was making preparations to
put in 2 frame dams in the Wing. Head^s.
leading into the district; & wanted my ad-
vice & directions how to proceed.

Percy-main
Colliery

July 10th. Tuesday I examined the Situation of
the Feeder this Mornng. and found it issuing
from the Threads in the post all over the Goaf, above
the Fall – about 10 F^t. above the Coal – but the

Feeder of
Water

Stone was so Shattered and dangerous that it was impossible to see distinctly from what part the heaviest part of the feeder issued.

I set out the Chambers of the two dams & the Wrights were occupied in Squaring the Logs, which I decided to make 8 Ft. long – to be Swep'd with a Radius of Feet.

July 11th. Wed. On a more accurate measurement of the feeder this mornng. found it to fill the 93 Gall. tub in 10 Seconds, which is equal to 550 Gall P. Min. or 803520 Gall^s. P. day, being 442,800 Gall^s. P. day more than the Spare power of the Engines

Decided to make an effort to get to the top of the Fall to See the Fissure from which the Water issues with a view to form an opinion, as to the possibility of Stopping a part of it by wedging. Got all the Corves & Rollies out of the Howdon Pit in then course of the day. The Water rose & put the Furnace out at 12 o ' Clock last night.

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July 12th. Thursday Ex^d. the Fall & Goaf from which the Feeders issued with T.J. Taylor. Progress has been made in Ridding it, so as that a part of the top may be Seen – but the place from which the principle part of the Water issues, is not yet Visible. It seems, however, to issue from a black Cashy P[oint] and the Post above seems to be very Strong.

Percy-main
Feeder of
Water.

The ridding must be continued – to endeavour to gain Access to the place where the principle part of the feeder issues

The foundation of the N. dam has been Sunk down 3 feet, without meeting with much better Stone & it is by no means Satisfactory, but I am afraid it is the best we can get. This will make the dam 11 to 11½ F^t. high

Measured the Feeder to precisely the Same quantity 550 Gall P. Min. as yesterday.

Met Mess^{rs}. Th. & Hugh Taylor, at the Colly. & had a consultation. It was agreed that we should endeavour to Stop Some of the Water at the fall by wedging

That we Should proceed to put in the Frame Dams as expeditiously as possible, and that the full power of the Engines Should be exerted, and that the Howdon & Percy S^o. Pit machines Should also be employed in drawing Water with Tubs. Sent a Cart to Haswell Colliery to borrow their large Iron Tubs.

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July 12th.

Resumed work in the Bensham this mornng. Friday 13th. July Have got upward of 20 F^t. up the fall without being able to see the top of it. The feeder continues precisely the same viz – 550 Gall^s. P. min.

Percy-main
Feeder of
Water

At Newcastle in the Evening and attended the meeting of the Fine Arts Society.

July 14th. Saturday Met the Percy-main Co.

at the Office in N.Castle, when the plans Suggested on the 12th. were approved.

Oliver reported that the Water had been got to the Percy En. last night, that it had Risen 14 In. at Howdon, and that the feeder continued precisely the same. They have got further up the fall but cannot yet see the top of it

Lanchester
Common
Colly.
Met Mess^{rs}. Marreeo & Barnard at the Stanhope & Tyne R.W. Office. When it was agreed to make a trial of the Meadomsley Main Coal, to make Cinders – Gave E. Smith directions to draw the Water out of the Staple, & to work a Sufficient quantity of Coals for that purpose.

Killed
W^m. Smith the Waggon-Rider, on the Cramlington Way, Way, from Percy-main, to Murton, was Killed yesterday Afternoon by

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the empty Waggon running over him July 15th. Sunday. No change in the feeder of Water to day. Got the Wood-work of the N. dam all prepared this Afternoon July 16th. WedMondy. Examined the Foundatⁿ. of the N. dam this mornng. - it is by no Means Satisfactory, but we cannot make better of it. Gave final orders for placng the dam &c. began to take the Logs down the Pit.

Percy-main
Feeder of
Water

Examined the Goaf where the Feeder is coming off – the Ridders have got a Stopping drift 18 yd^s. long up the Fall ~~made~~ & ab^t. 26 F^t. high made. but the Stone is Still Shattered above & the Water is coming out at various places, and I don't think there is any feasible prospect of getting any part of it Stopped. We will, however, persevere a while longer. Went to Pensher in the Evening.

July 17th. Tuesday Spent the mornng. in Pensher Office, and attended a meeting of the C.T. Comm^{ee}. at Newcastle at 2 o ' Clock. The Special Comm^{ee}. appoint^d.

Coal-trade
Committee
Meeting

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to treat with the Thornley Co. about their coming into the Regulation Reported favourable progress. The Issue for the remainder of the Mo. was fixed at 25 P. m. making 50 for the Mo. and it was resolved that the Special Comm^{ee}. for considering the Plan of Classification should meet next Friday, for that purpose.

W^m. Oliver met me in Newcastle, and reported that there was no change in the Feeder at Percy-main, that they had commended putting in the N. dam, and that they had got to the top of the fall – which

Percy-main
Feeder of
Water

was a Soft black Stone. He bro^t. a Specimen which from it's containing a great quantity of Shells, I recognised to be the BlackStone All hopes of being able to Stop any part of the feeder by wedging is, therefore, at an end as it is clear that the fall has broken completely through the Main Post.

Rainton
Colly.
N. Hetton
Colly.

July 18th. Wed. Inspected the Works at Rainton Colliery. Attended the Monthly Colliery Board at N. Hetton Colliery. The drawing of the Coals with Corves, at the Moorsley Main Coal Pit, is answering exceedingly Well so far They

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They have been 7 Weeks at Work, and dont appear to be the least, [worse] of the Wear July 19th. Thursday Viewed the works at Seaham Harbour – have got 5 Lengths of Blocks in the Foundation of the N.E. Pier-head laid. And 3 Piles driven. If the Weather continues fine the whole of the Founⁿ. will be laid in two Months.

Seaham
Harbour

Returned to Walls-end by Percy-main in the Afternoon. Have got all the Logs put into the N. Dam. No alteration in the Feeder. Commenced drawing Water with the Tubs at Howdon yesterday – can draw 40 – 130 Gall. Tubs P. Hour.

Percy-main
Colliery

July 20th. Friday Spent the morn^g. at home at Newcastle in the Afternoon, at a meeting of the Classification Comm^{ee}. Coal-trade Office Spent Evening at MacKreths July 21st. Satdy . At Newcastle – Gen^l. Bus^s. Home Afternoon.

British
Association

July 22^d. Sunday At home – Spent Morn^g. in writing Paper on the N.C. Coal-field for the British Association. Wrote invitations to Professor Sedgwick & Buckland – to Mess^{rs}. Dalglish & Foord, to Stay with me

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during the meeting July 23^d. Monday Ex^d. the proceedings at the Dams in Percy Pit. All the Logs are placed in the N. dam, and the Wedging is far advanced. The Chamber of the S^o. Dam is nearly finished, and will be ready for the Logs tomorrow. No change in the Feeder, it is perfectly Steady & regular, at 550 Gall^s. P. Minute. Drawing Water with the Tubs at Howden has injured the Shaft so much that they have been obliged to Stop to Repair it since last Friday.

Percy-main
Colly.
Feeder of
Water

West
Cramlington
Winning

Went to West of New Cramlington in the Afternoon – the En. Pit is 23 Fath. Down & the Coal Pit 16. Have got 40 – 70 Gall Tubs of Water an hour in the En. Pit, within 3 or 4 Fath^s. of the Grey's Seam. If the feeder does not abate the Sinking must be Sus-

pended 'till the En. is erected – the foundation of the En. House, is already up to the height of the Cylinder Pillar.

Went to Seaton Sluice, to examine the Whin Dykes which run through Hartley Colliery – took Sketches &c. to enable me to

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describe them in my Paper – for the British Association.

Benwell
Colliery

July 24th. Tuesday At Benwell Colliery – the Carlisle Railway Co. have got the walls of Stanton's Ho. Nearly up to the 1st. Storey.

July 25th. Wed. At home all day writing my Paper for the British Association.

Percy-main
Colliery

July 26th. Thursday At Percy-main – ex^d. the Fortnights Pay Bills. No alteration in the Feeder of Water – have begun to put in the Logs of the S^o. Dam – the wedging of the N. dam is not nearly finished yet – those dams from their great Size, require an incredible quantity of wedging. Have Resumed the drawing of water by Tubs again at Howdon.

Rode over to Holywell & Backworth – have commenced the Embankment of the new Waggon-way – to Cramlington from the Backworth B Pit.

Fine Arts
Society

July 27th. Friday At home all the mornng. Newcastle in the Evening and attended a meeting of the Society of the Fine Arts Society. Comm^{ee}. when Proctor was appointed Po[rt]er] to the Institution

July 28th. Saturday At Newcastle Attended

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a meeting of the C. Trade Comm^{ee}. dined with Donkin – home in Evening.

July 29th. Sunday At home all day - writing Paper for the meeting of the British Association.

July 30th. Monday Went with M^r. Sopwith, to Haydon Bridge this mornng. by the Railway Train, and proceeded from thence to examine S^r. E. Blacketts' Ridley-hall Manor – in Continuation of my Inspection of his Coalfield of the 2^d. & 3^d. May last

The Allen
River

Took John Thompson of C[ro]w-hall] Mill who is a good Geologist & Botanist with us. We examined the Vale of The Allen, from it's confluence with the Tyne, up to Cupola Bridge, within 100 yards of it's forking into the two Branches forming the E. & W. Allen.

The Vale of the Allen presents a great variety of beautiful Scenery – especially on the promontory on which the ruins of Staward Peel Stand. This promontory, or Isthmus, is formed by the Valley of the allen on its' W, Side, and the Valley of the Harsondale Brook on its' Eastern Side. Those Valleys are about 200 F^t. deep, and unite at the northern end of the Promontory which forms a bluff Escarpment, by the circular Sweep of the Harsedale Brook. The Ruin of the Peel Stands upon the Northern extremity of the Promontory, which

is Surrounded on every Side, except the South, by a Steep and inaccessible escarpment. On the S^o. Side the GateWay

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of the Piele, is only accessible by a narrow Ridge or Causeway of about a Furlong in length, so that the place must have been quite impregnable before the invention of Fire Arrows. Nothing of the Peel now Remains but a Small part of the Eastern Jamb of the Gateway, and a few Courses in height of the Wall at its N. end

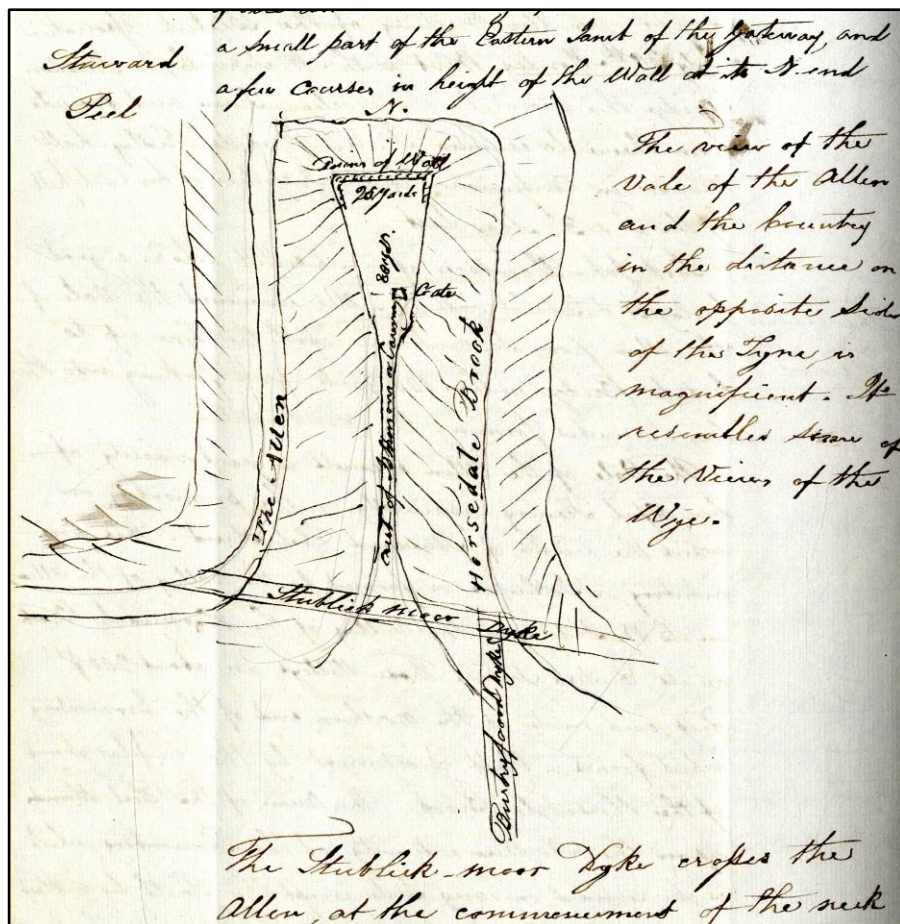
Staward Peel

[Diagram of the
causeway and
Staward Peel]

The view of the Vale of the Allen and the Country in the distance on the opposite Side of the Tyne is Magnificent. Its of the Resembles some of the Views of the Wye.

The Stublick-moor Dyke crosses the Allen, at the commencement of the neck

[Diagram of
Causeway
and
Staward Peel,
Allendale]



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of land on which the Peel Stands, and the Burtree Ford Dyke, and it cross each other, on the other Side of the Promontory in the Harsendale Dean. The Burtree Ford Dyke Seems to run down the Harsendale-dean, but from the heavy fall of Rain having Swelled the Brook, and the thick growth of Wood & herbage we could not examine into this matter

Examined the Stratification of the E.

Cupola
Bridge

bank of the Allen, at Cupola Bridge. A fine Section of the Strata is here exhibited the naked escarpment of the Rocks being exposed to view, in an almost perpendicular direction for 150 F^t. of more.

The Bridge is founded on the Mountain Limestone which lies in the bed of the River, and the Stratification in the E. bank, which consists of an alternation of Sandstone & Plate – the Sand Stone greatly predominating, over-lies the Limestone. Returned to Haydon Bridge in the Eveng. Completely drenched with the

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rain & Slept at Miss Hetheringtons a very comfortable house.

July 31st. Tuesday Returned to Newcastle by the Railway-train at ½ Past Ten, and were only 2 hours, Stops included on the Road. Went to Walls-end to dinner and to Pensher in the Evening.

Junction
Bridge

Augt. 1st. Wed. Spent the day at Pensher Inspected the Junction Bridge over the Wear – it is quite finished & the Rail Way is being laid over it. It is a noble Structure

Rainton
Colly.

Augt. 2^d. Thursday. At Rainton Colliery a great accumulation of Coals at the Pits from the want of Trade. The Staith at Seaham filled with

Seaham
Harbour

At Seaham Harbour – the Sea has been So high for a Fortnight, thar the piling at the Pier-head, has been Stopped.

The Lord Seaham Sailed for London last Monday – the Jn^o. Buddle is in the Harbour, and the Mary & Ann came into the Roads this afternoon

Augt. 3^d. Friday M^r. M^c. Donnell arrived at Pensher this mornng. at ½ Past 2 o ' Clock

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Spent the day with him at Pensher.

Augt. 4th. Satdy Accompanied M^r. M^c. Donnell to Newcastle this mornng. on his way to Ravensworth from whence he is to Start for Ireland on Monday mornng.

Attended a meetg. of Colliery Representatives at Newcastle when it was resolved to recommend to the Trade, to abridge the figh[tin]g System & put it under the control of the Committee

Augt. 5th. Sunday At home

Percy-main

Augt. 6th. Monday Examined the Frame dam in Percy Pit. - the Wedging of the S^o. Dam commenced on the 4th. but the wedging of the N. dam is not yet finished, altho' 24 Men have been employed 17 days upon it.

The Percy Engine was Stopped 60 hours last

Week by the breaking of the low Set Spears – the Water therefore rose 14 In. in one 24 hours – yet on the average it has not exceeded the estimated Rise of 6 In. in the 24 hours.

United
Comm^{ee}.
meeting

Attended a meeting of the united Committee at Chester, which was fully attended

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The Bases for all the new Collieries were put in a train of Settlement by their district Committees, with the exception of Thornley, and which Co. could not give an answer 'till their meeting on the 15th. Ins^t. The fighting System to be placed under the Sole control of the Comm^{ee}. agreeably to the 26th. Article of the Regulation Rules. Home in the Evening.

S^t. Bee's

Augt. 7th. Tuesday Met Mess^{rs}. Piele N. Wood & M^r. Dunn, at the Coal-trade Office Newcastle, on the reference for Settling the S^t. Bee's Colliery Lease New matter arose, & we found it necessary to adjourn until M^r. Piele & I could communicate with Lord Lonsdale's London Solicitor

At Benwell in the Afternoon, and home in the Evening

Wylam
Colliery

Augt. 8th. Wed. Met M^r. James Gray at Newcastle (the Wylam Viewer) to investigate the State of that Colly. by M^r. Blacketts' desire.

M^r. Birkett

The Rev^d. Ja^s. Birkett bro^t. the Plans

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of the Stublick Colly. & his overman to me to explain the circumstances of the 90 Fath^s. Dyke, in that locality.

Brandling
Railway

Gave Evidence in the case of Reference between the Brandling Railway Co. & Askew, respecting the Way-leave, for the Train Branch thro' the Redheugh Property. Went to Bishops Auckland in the Evening on my way to examine the Coal-field in the District. ood

Auckland
Coal-field

Mess^{rs}. Wilkinson & Greemwell[^] were the re- forces, and M^r. Ingram was the Umpire in the Brandling Railway Case. The Attorneys Donkin for Brandling & Ingledue for Askew Greenwoog for Brandling, Wilkinson - Askew Augt. 9th. Thursday Rec^d. much information relative to the Auckland Coal-field from M^r. Jn^o. Forster & Elliott, & from Mich. Forster. I also rec^d. good information from Cowlson the Bones in passing thro' Durham relative to the Seams of Coal cut thro' by the Wear, from Mallagill to Harperley.

M^r. Gresley

Called upon M^r. Gresley & Settled the

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Auckland
Palace

to procure him a Sight of the Bishop's Paintings His Ldp. received us very cordially, and Shewed us thro' the principal apartments of the Palace. The Kitchen & Servants Hall, are very Spacious – the dining & drawing Rooms are also very Spacious – the latter is magnificently furnished & decorated. The Chairs are Ebony. In the dining Room are Pictures of the 12 Patriarchs, by a Spanish Master – the Figures are larger than life, and are finely painted. Returned to Walls-end by Durham & Pensher.

Augt.10th. Friday At home all the mornng. Newcastle Eveng.

British
Association

Augt.11th. Saturday At N.Castle attended a gen^l. meeting of the district Comm^{er}. of the British Association. Transacted gen^l. business – dined with Donkin – a large party.

Professor
Phillips

Augt.12th. Sunday Occupied in writing Paper for meeting of British Association Professor Phillips, Sopwith & T.J. Taylor dine with me.

Augt.13th. Monday Ex^d. the Dams in

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Percy Pits
Dams.

Percy Pit. The wedging of the N. dam is nearly finished, but it will require a Week or ten days to complete the wedging of the S^o. one.

Augt.14th. Tuesday At home all day writing Paper of the Meeting of the British Assⁿ.

Pensher

Augt.15th. Wed. At Pensher transacting Lord Londonderry's business.

Augt.16th. Thursday Returned from Pensher to Walls-end to Breakfast this mornng. M^r. Gr[ier] L^d. Elgin's Agent called upon me – to see the Tub apparatus for drawing Coals in operation

M^r. Grier

Percy-main

At Percy-main – the wedging of the N. dam is finished & that of the S^o. one is far advanced. Continued the writing of my paper for the British Association

Augt.17th. Friday At home all the mornng. preparing Paper for British Association At Newcastle in the Evening

Augt.18th. Satdy Attended a meeting of the local Comm^{ee}. of the B. Assⁿ. at the Lecture Room of the Ph Society – to make Final arrangements for the meetg. on

Cap. Port-
lock.

Monday. Met Cap. & M^{rs}. Portlock & Miss Cenox Conyningham at Newcastle

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and took them to the W.End to a late dinner
Augt.19th. Sunday Took a drive to Tyne-mouth with Cap. & M^{rs}. Portlock & Miss

Percy dams
B. Associatⁿ. Conyningham to Tynemouth.
Augt.20th. Monday Ex^d. the State of
the Percy dams this mornng. and found
them nearly ready for closing.
Attended the meeting of the Geolo. Sect.
as a vice President & Read the 1st. Part
of my Paper.

The Percy dams were closed this Eveng
at

Augt.21st. Tuesday Read the remainder
of my Paper in the Geo^l. Section
Augt.22^d. Wed. Attended the Geo. Sectⁿ.
and at the Promenade in the Green
Market in the Evening.

Augt.22^d. Thursday Went to Pensher
with Cap. & M^{rs}. Portlock & Miss Cony-
ingham to see the opening of the
Victoria Bridge – the Locomotive Ens.
(three) took a train of 120 laden Wagg^s.

Opening
of
Victoria
Bridge

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of Stewarts Steam Boat Walls-end, from
the Meadows Pit along the Bridge.
No vibration was visible in the Bridge
while the train was passage.

One of the auxiliary Engines in joining
the rear of the train, near the Bridge, from
Some accident to the hand-gear, could not
be bro^t. up & went with Such force against
the Rear of the train, as to throw it off
the way. The jerk was So great as to
cause Such a Concussion, in the Coaches
attached to it, that the Passengers were
thrown out of their Places. M^r. Williamson
the Engineer had his Shoulder dislocated
& M^r. C. Cockerill had the Small bone
of his Leg broken & Several Persons
were Severely Concussed.

The En. ran a Considerable distance
after being thrown off the Way, and
narrowly escaped going over the Em-
bankment at the S^o. end of the Bridge
Had this happened the consequences
would have been most disastrous

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Went Round by Sunderland, with Cap.
& M^{rs}. Portlock & Miss Conyningham, to
Newcastle, to see the Bridge &c.
Attended the meeting of the Central Ex-
change in the Evening.
Augt.24th. Friday Attended the meetg.
of the Geo. Section. And Promenade
at the Assembly Rooms in the Evening
Augt.25th. Satdy. Attended the Geo. Sectⁿ.
in the mornng. And the meetg. in the
Central Exchange in the Eveng.

Attended a meetg. of Viewers at the
C. trade Offices – convened by the Percy-

main Owners – to explain to them the nature of the eruption of Water into the Colly. & the plan of the Dams for Stopping it. Explained also the intention of tubbing the Pits, at the Main Coal, in the event of the dams not proving effectual. Present

M^r. Geo. Johnson, M^r. Jn^o. Jobling
M^r. Ja^s. Easton, with Mess^{rs} Lamb

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Jo^s. Lamb, J^r. M^r. Maude – Th. & Hugh Taylor. & Matt^s. Dunn. M^r. G. Johnson

Stated that he considered the influx of Water had been occasioned by the injudicious working of the Pillars – that this employers had taken legal opinion on the Subject, and were advised that they could hold the Percy Co. liable for any injury that might ensue.

We denied the fact of the Colly. having been injudiciously worked which led to a lengthened discussion, and it ended in our inviting the Viewers to call at the Fitting Office next Sa. to see the Plan of the Workings, & to receive Further explanations.

Augt.26th. Sunday At home – Cap & M^{rs}. Portlock & Miss Conyningham, M^r. Easterby, De Carle & Miss Lock dined with us.

Percy-main
Dams

Augt.27th. Monday Ex^d. the Percy Dams this mornng. And found them in a very Satisfactory State – the leakage & discharge of Water from the Cock not having increased during the

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last 24 Hours. The Stream discharging from the Cock in the 3 In. Guage Pipe, or relieving Pipe, did not issue in a Jet, but Split into Fillaments immediately on issuing from the Cock, and became almost vapourised at 3 feet from the orifice of the Cock. I attributed this effect to the resistance of the Air, to the great velocity of the Jet. On naming the Subject to M^r. Babbage he took the Same view of it.

Nat. History
Society

Attended the Ann^l. Meeting & dinner of the Nat. History Society of Newcastle. We dined in the Circus, as it had been fit up for the Ordinary of the Association. We afterwards attended the Circus to See Bally's Equestrian Performance.

~~Eng meeting of the B. Ass. In the Central exchange – the Duke of North^l. In the Chair~~

The B_p of Durham was in the Chair at the dinner of the N. Histy. Society, & S^r. Jn^o. Herchell, Professor Whewell, Buckland, Babbage Sedgwick, Daubrey, Erinberg, with Lords Morpeth Tankerville, Cole &c. &c. were Present - upwards of 600 Persons dines.

Cap. Portlock

Augt.28th. Tuesday At home Cap. & M^{rs}. Portlock,

Miss Conyningham, & W^m. Piele left us in the Evening.
Augt.29th. Wed. Went by Pensher to Witness

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the opening of Mess^{rs}. Hutton & Visit new Paper Mill. It is a Magnificent piece of Machinery, & made an excellent Start – White Paper was manufactured from pulp, and printed upon in 5 Minutes. A large Company was assembled on the occasion, and dined together – Professor Babbage was present, and accompanied me home to Pensher.

Augt.30th. Thursday M^r. Babbage accompanied me to Seaham Harbour this Mornng.

Augt.31st. Fridy. Spent the mornng. at Pensher – M^r. Babbage walked from Pensher to Newcastle by Ayton Banks to see Grindstone Quarries &c. at Newcastle in the Afternoon.

Stella Grand Lease

Sep.1st. Satdy Met Mess^{rs}. Clayton, Donkin, H. Taylor & M.W. Dunn, at M^r. Clayton's Office, when the mode of Settling all matters of difference, with M^r. Dunn, relative to Stella Grand Lease, by referring the Same to Mess^{rs}. J. Clayton & H. Taylor was amicably agreed upon

Bursting of Percy Dams

I drove M^r. Babbage out to Jesmond to dine with Donkin, but just as dinner was going upon the Table, a Messenger came galloping to inform me that the dams at Percy-main had given way. I Set off immediately for Percy Main

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Bursting of Percy Dams

and arriving there, was informed that at above ½ Past 4 o' Clock P.M. R^t. Morrow who was teemg. the Water Tubs which were being drawn from the Bensham, where R^t. Thornton, was guiding them out of the Sump, found the Air Suddenly turned and immediately called down to Thornton to tell him what had happened, and added that he would go to the Furnaces.

He then went to the Furnaces, and found the Smoke blowing violently out of them the Contrary way, and hearing a loud Roaring noise at the same time he thought the dams must have given way, and made the best of his way to go round to the S^o. Shaft to Ride.

In going down the old Rolly-way Cross-cut towards the Stables, he found the Main doors carried away & the Water Rushing along the Rolly-way Rough-high. He Returned towards the Furnace to the Furnace-Keeper and told him what had happened, and that he believed their last hour was come. He heard the Water at the Same time Falling down the Shaft into the Bensham, with a tremendous noise. He Sat down near

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the tail of the Water, and in a very Short time

Bursting
of
Percy Dams

observed it falling, and presently it entirely disappeared. He then went to bank with the Furnace Man.

Mean time Jn^o. Oliver, with others on the First alarm, got on their Flannels & hurried to the Pit & Oliver went down immediately, and put the Furnaces out. Just at this time Old Oliver arrived from Newcastle, and went down into the Bensham to Seek Thornton. He only found a Few Inches of Water Standing on the Rolly-way at the bottom of the Pit, but Thornton was lying drowned at about 10 yards from the Shaft.

It would seem that Thornton had remained at the Shaft with the intention of Riding, when the torrent of Water falling down had overwhelmed him.

I arrived just as Thorntons body was bro^t. out – it Shewed no marks of violence whatever – he Seemed to have been drowned by the fall of Water down the Shaft.

Ja^s. Dobinson the Master Shifter & W^m. Dawson, one of his Men, were watching the Dams and no account had yet been heard of them. On going down the Pit into the

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Bursting
of
Percy Dams

Main Coal, a Scene of devastation presented itself. The Shaft doors had been carried away the props in the Rolly-way were washed out and the Small Key of the N. Dam was lying near the Shaft having been bro^t. 1¼ miles from it's place – 2 Horses & Ponies were drownd in the low end of the Stables – the remainder 6 or 8 in Number, were Saved at the high end although some of them had been over the backs in the Water, and a great quantity of Small Coals, and Rubbish was lying in the Rolly-way.

Jn^o. Foster & W^m. Marshall Overmen, Tho^s. Dobinson & Several others had gone inby to Search for Jo^s. Dobinson & W^m. Dawson, and I proceeded with Oliver, Jn^o. Cooper and others along the Rolly-way Cross-cut with the intention of going to the dams which I was very anxious to see – to ascertain the cause of their giving-way.

We found an immense quantity of Rubbish of all Sorts lying in the Rolly-way, with Several of the Logs from the Dam, lying Scattered, here & there, The Roof was fallen

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Bursting
of
Percy Dams

in Several places, and large [Sidr] Wafers – were torn off the Wall-Sides. In the Sidings the Rollies were lying heaped upon each other

At about halfway along the Cross-cut we met Jn^o. Forster & his Party – they Reported that they had been to the dams, but had Seen no traces of Jo^s. Dobinson & Dawson, except some tattered

Fragments of their Jackets, Trousers, Drawers and Shirts, which they had picked up.

They Reported further that it was the N. Coal Wall on the Side of the N. dam which had given way – that part of the dam was Still Standing, and that the S^o. Dam appeared to be Standing quite Firm.

We proceeded as far as the Brick Arching near the foot of the Willie Auchlands' bank, which had fallen Since Forster's Party had come out, and as the Roof was Still falling, and Aucklands' Way & the back Cross-cut, at Aucklands Way-end where the Crossing was carried away being foul, we could not proceed Further. We therefore Returned, and Set all hands on to Search the Rolly-way, by turning over the Wreck, for the bodies of J. Dobinson, & Dawson.

M^r. Babbage

M^r. Babbage came to W. End this Evening

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Sep. 2^d. Sunday This day was employed at Percy-main in Ridding out the Rolly-way Cross-cut & Searching for the Bodies of Dobinson, and Dawson, but without Success.

Mess^{rs}. Babbage and Greenough.

Mess^{rs}. Babbage & Greenough Spent the day with me – M^r. B. puzzled himself about the construction of the Percy Dams, without Success, and M^r. Greenough occupied himself in getting geological Facts from my Sections &c. to aid him in Constructing his Geological Map of England.

Those Gen^t. with M^r. Hetherington and Family dined with us.

Monday 3^d.Sep. Got into the dams this mornng. with the light of Davy Lamps the Air-Course being but imperfectly Restored with deal Stoppings.

The Percy Dams.

On close examination Found that it was the Thill which had given way at the N. End of the N. dam, which had Caused the bottom Coal to give way, but the top Coal above the Heworth Band remained Firm. The widest part of the aperture in the Coal at the end of the dam was nearly 5 Feet.

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nearly 5 Feet in height of the dam was Standing and a few of the Logs, at it's S^o. end were Still Standing firm up to the Roof. The S^o. dam was Standing quite firm, and no way injured that I could discover. The Till on the out-bie Side of both dams, was very much broken and torn up by the violence of the Rush of Water.

The Roman Cement & Brick Walling between the Boards on the inbie Side of the dams was Standing quite firm.

[Diagram]

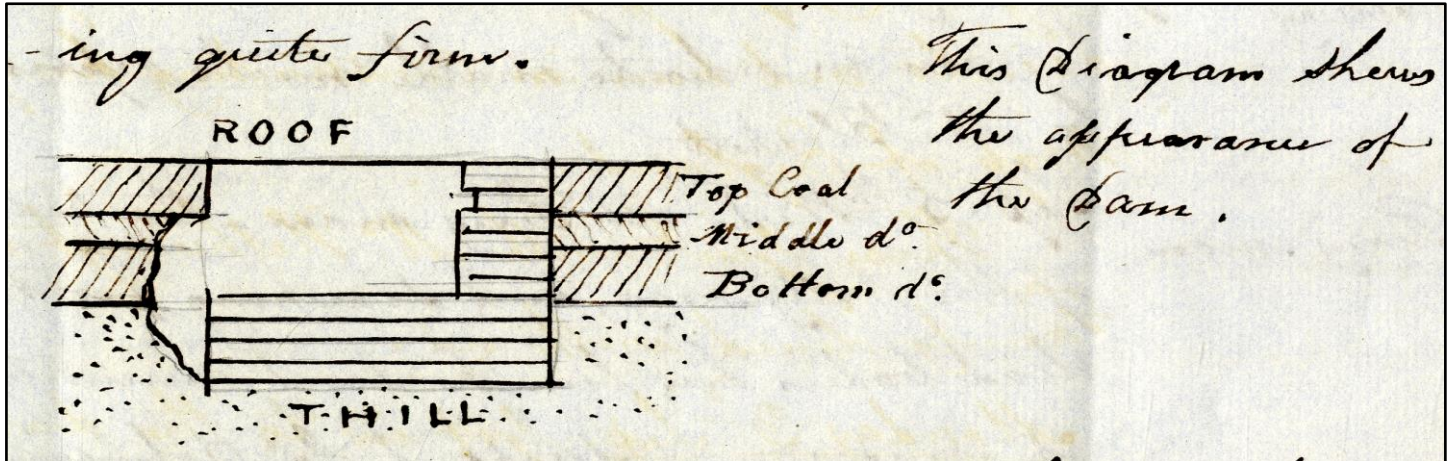
This Diagram Shews the appearance of the Dam.

The Air was bratticed up to the dam, but their by Side was foul, and Fired in the Davys.

I therefore decided to have the Key cut-out of the other dam to enable us to ventilate the works on the inby Side of the dams – So as to be able to repair the N. one by Candle light.

The Feeder of Water appeared to me to be more than it was when the dams were closed but Oliver & others thought not. Every possible exertion is making to find the Bodied of the two lost Men. Begun to design a mode for

[Diagram of Appearance of Percy-main Dam]



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unpairing the dam, and giving greater Security to both. The Coroner M^r. S^r. Reed held his Inquest on the body of R^t. Thornton – Verdict accidental death.

Meeting of Coal-trade Committee

Attended a meeting of the Comm^{ee}. at Chester-le-Street 40 P. m. on the Basis issued for the 1st. Fort^t. of September.

Wylam Colliery

Sep. 4th. Tuesday Viewed Wylam Colliery, preparatory to investigation the circumstances of the Concern, in order to enable me to Report thereon to M^r. Blackett.

Percy-main

Sep. 5th. Wed. At Percy-main – the Ridding out of the Rolly-way, and Searching for the two dead bodies has been pursued unremittingly. A great many Scraps of Jo^s. Dobinson's Cloths have been found, and a part of the Intestines of one of them has been found in the Bensham at 100 yards from the Shaft.

Meeting of Wear Comm^{ns}.

Attended a meeting of the Wear Commissⁿ. at Sunderland & returned to Walls-end in the Evg.

W^m. Dawson's Body Found

Sep. 6th. Thursday The Body of W^m. Dawson was found this mornng. in the S^o. W. Board from the Gin-way. It was little injured, and no part of the dress, except the leather Cap was wanting one of Jo^s. Dobinsons Shoes was found about 20 yards from it. It is but too probable that

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poor Dobinson's body is torn in pieces

Sep. 7th. Friday At home all Mornng. planning

an improved Dam for Percy-main and devising the means of Strengthening them.

Stella Grand Lease Colly.

At Newcastle in the Afternoon – had a Conference with M^r. Potter as to forming a new Partnership & Co. for working the Grand Lease Colliery – to be based on the Share which may be awarded to M^r. Dunn. Had a Conference with M^r. Donkin on the Same Subject.

Fine Arts Society

Attended a meetg. of the Comm^{ee}. of the Fine Arts Society in the Eveng. - to fix the Salary & to advise for a drawing Master.

M^r. J. Clayton Purchase of Tanfield mor Colly.

Spent the Eveng. at MacKreths' Sep. 8th. Satdy Discussed the affairs of Wylam Colly with Donkin. Had a conversation with M^r. Jn^e.

Clayton about the purchase of Tanfield-moor Colly. when we agreed that we w^d. join S^r. Ja^s. Duke in the purchase if it could be bo^t. for £15000 or £16000 Had a meeting with M^r. H. Taylor on the Subject of the Percy Dams, when we agreed that the expediency of placing new ones in the 3 Staples at the 20 F^t. Trouble, & in the Stone drifts at the 11 fath. Dyke Should be investigated; and Considered. This w^d. isolate the Point District.

M^r. H. Taylor Expediency of removing the place of Percy dams to be investigated

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Sep. 9th. Sunday At home all day

Sep. 10th. Monday Ex^d. the Staples at the 20 F^t. down cast trouble in the point district Percy Pit, for the Purpose of judging of the practicability of plang Dams in them, and also in the two Stone drifts up the 11 fath. Dyke.

Project for New Dams in Percy Pit.

The result was that I am of the opinion that the 3 Staples may be dammed, or Plugged and that the 2 Stone drifts may also be effectually dammed at a less expence than the Repairing of the old dams & also in less time. And there is no doubt but there would be much less Risk, as the dams in the Stone drifts might I think be made quite Proof against the Pressure of Water so that if any gave way it w^d. be at the Staples, in which case the Rush of Water w^d. go to Howdon, where it could do no harm.

This Plan w^d. isolate and cut off the Point division from every other Part of the Colliery and would Shut up about 50 Acres of whole Coal for the present.

Abatement In the Feeder of Water

On measuring the Feeder yesterday Mornng. & again this mornng. it was found to be 546 Gall^s. P. Min. being 254 Gall^s. less than when the Dams were closed, and 12 less than when it

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first came off on the 9th. July.

This is a good Sign as it w^d. Seem to indicate that the Feeder is not from a permanent Source, but may only be from a bag of Water in the 70 Fa. Post which may pine off by degrees. If the proposed new dams were put in the Feeder might be drawn off to the utmost extent of the En. Power & if it Should

diminish in the Course of time, within their Power the working of the Coal, in the Point district might easily be resumed. Wrote M^r. H. Taylor, and Reported to the Co. on this Subject.

Sep. 11th. Tuesday No alteration in the Feeder at Percy-main during the last 24 hours.

The Body
of
Ja^s. Dobinson
Found

The Body of Ja^s. Dobinson was Found in the Bensham Sump this Afternoon. It was much lacerated but not so much mutilated as might have been expected, considering the distance it had been carried by the torrent

The Bowels were torn out, and the Legs fractured.

Sep. 12th. Wed. Ex^d. the works at Rainton Colly.

N. Hetton
Colly. Board

Attended the meeting of the N. Hetton Colly. Board. The Rev^d. M^r. W. Avoy, the Catholic Priest at Houghton dined with us

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Sep. 13th. Thursday Ex^d. the works at Seaham Harbour – the Gale last Friday morning carried away all the framing & the Crane from the Pier-head.

Seaham
Harbour

Sep. 14th. Friday At N.Castle this mornng.

M^r.
Blackburn

Introduced to M^r. Blackburn the Dukes' C[on^r.] by M^r. H. Taylor

M^r.
Stephenson

Called at Biddick & Saw Mess^{rs}. Stephenson & Morton – the latter gave me L^d. Durhams Agre^t. with Geo Robinson for the Houghton Pit - Stead to peruse – for the purpose of Advising him thereon, as to L^d. Durhams Po[] of giving up &c. The Term 42 Years from 1st. Jany. 1833. Rent £450. Bus by Article 6th. When Coals cease to be drawn & the Gro^d. is only occupied by the Pumping En. for drawing Water the Rent is to be reduced to £100. P. Ann. Article 15th. empowers L^d. Durham to give up at the end of one year on giving Six Months Notice.

Lord
Durham's
Agree^t. with
Geo. Robinson
for
Houghton Pit

Sep. 15th. Dined with D^r. White & a Party of 16 – amongst whom were M^r. Lough the Statuary. Mess^{rs}. Ramsay (Artist) Granger Donkin, Carr, Nichol. Fenwick, Armstrong &c. &c.

D^r. White
Dinner
Party.

Sep. 15th. Satdy Met Mess^{rs}. Donkin & Phillipson at Donkin's Office, when in Con-

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sequence of the Hetton Co. having taken Bonds, Brougs & Thompson's Coal at Seaton for 63 Years from May last – It was agreed that I Should endeavour to obtain an extension of Gregson's & the other Parties terms for a similar period

Seaton
Coal

Met M^r. Dan^l. Turner to consider the Su^b. Proposals which had been given in for taking Cowpen Colliery – when we agreed that M^r. Jn^s. Carr's was the most eligible, and that we Should treat with him upon it.

Cowpen
Colliery
Proposals
for letting

I Saw M^r. Carr at the Coal-trade Office and appointed Monday the 24th. to treat with him at my Office at 1 o ' Clock

Coal-trade
Committee
Meeting

Attended Coal T. Comm^{ee}. Meeting when 40 P. ~~was~~ issued for the remainder of the Mo. making 80 P. ~~in~~ in all – And a Contrⁿ. of 10/- P ~~was~~ Tons on the Basis was levied to defray the general expenses of the Trade

Dined at Donkin's

Sep. 16th. Sunday M^r. Easterby Miss Lock & M^r. De Carle dined with us.

Percy-main
Dams

Sep. 17th. Monday Examined the Workings below the 20 F. Trouble in the Point district Percy Pit, where the holing was made into the Howdon Pit-workings – with M^r. T.J.

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Percy-main
Dams.

Taylor, and found it to be a more eligible Situation for placing the dams in than at the Staples, and two dams will do The Pressure on the dams will be 100 Fath^s. supposing the Tyne to be the Summit level of the Water – but the Superior Situation will compensate for the additional Pressure.

On measuring the Feeder of Water this Mornng. found it to be rather under 500 Gall^s. P. min. being a decrease of 54 Gall^s. P. min: Since the 9th. Gave directions for Ridding out the Way & laying the Rolly-way, to the Materials taken

M^r. Jn^o.
Gregson

The purpose of getting the Materials taken in. Went to Pensher in the Afternoon to meet M^r. Jn^o. Gregson, on the Subject of the Renewal of Rainton Colly. Lease

Proposal for
the Renewal
of
Rainton
Colliery Lease

Sep. 18th. Tuesday Spent the day at Pensher with J. Gregson, in preparing a proposal, for the renewal of Rainton Colly. Lease – to be sent to Lord Londonderry & M^r. M^c. Donnell for their Consideration, And decision as to the expence of Sending it to the Chapter against the 28th. Ins^t. Went to Newcastle

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in the Evening with M^r. Gregson, and then to Walls-end.

Sep. 19th. Wed. Spent the day at home – wrote Lord Londonderry and M^r. M^c. Donnell on the Subject of the renewal of the Rainton Colliery Lease.

Planned Dams for the new Situation at Percy-main.

Sep. 20th. Thursday Went to Durham this mornng. by Coach – Fare 5/ 6 Inside.

Seaton
Coal

Called upon M^r. Gregson and informed him of the Hetton Co. having taken Mess^{rs}. Bonds' Broughs', & Thompson's Parcels of Coal at Seaton That it is So intermixed with his, and the other Parcels, taken by Lord

Londonderry that they could not be wrought Separately. That I believed I could effect an exchange with the Hetton Co. to mutual advantage provided the term of his, & the other Parties was extended to 63 years, the Same as Bonds', Brougs & Thompson's.

He said he Should have no objection provided the Conditions were made the same I observed that I did not know the terms given there Parties, but considering the large

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Sum which he & the others had received for dead Rent I thought they ought not to expect the Same terms, if they were higher, than the other Parties had got 'till after the end of the existing term. This he agreed was reasonable and declared his willingness to entertain any reasonable proposition on the Subject.

Met Jn^o. Gregson at Durham – this was the Grand Chapter-day, when there was a full meeting of the Rev^d. Body, it was said but we did not see any of them. We dined with M^r. Gregson

S^t. Helen's
Colly.
Valuation

Went to W. Auckland in the Afternoon, by the Exmouth, with Mess^{rs}. G. Johnson, Jn^o. Johnson & R^t. Atkinson – to view & Value S^t. Helen's Colly. M^r. Prattman went with us from Durham.
Sep. 21st. Thursday Viewed S^t. Helen's Colly. early this morn^g. with M^r. Geo. Johnson and the two young Men, and Spent the day in gaining information & making the requisite Calculations to enable us to value the Colliery.

The object of this valuation, is to ascertain he value of M^r. Flintoff's $\frac{1}{6}$ th. Share, as according to the partner-Ship Deed, he has

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offered it to the Co. at a Valuation to be made by 2 disinterested Viewers, & their Umpire. M^r. Johnson was named by M^r. Flintoff Spent the most of the day with us, and M^r. Ja^s. Pease came in the Afternoon to consult me on the affairs of the Deanery Colliery. Mess^{rs}. Flintoff & Pease dined with us.

Saturday 22^d. Sep. Returned from W. Auckland to Newcastle with the Mess^{rs}. Johnson & R^t. Atkinson the Exmouth being full

Cowpen
Colliery

Had a long discussion with Mess^{rs}. Jn^o. Carr & Jn^o. Jobling on their Proposal for taking Cowpen Colliery.

Sep. 23^d. Sunday At home Mess^{rs}. Easterby & De Carle M^r. & Miss Gowen & Miss Lock called upon us.

Percy-main

Sep. 24th. Monday Viewed Percy Pit – the laying of the Rolly-way to the place of the new dams is far advanced & will be finished in a day, or two. Ex^d. the Howdon Pit-top and Engines for the purpose of judging of

the practicability of erecting a new 200 horse Engine on the E. Shaft. So many difficulties presented themselves – particularly the danger

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Percy-main

of Shaking the Foundation of the Main Engine by Sinking the diagonal Staple for the new-Engine; that we were inclined to think it w^d. be better to complete the N. Engine which has been Standing in an unfinished State Since the year 1815. All the Sets of Pumps except the Low Set, are in the Pit, with the Cisterns & Spears Complete – the Low-Set of Pumps is lying at bank & may Soon be placed in the Pit. The Main Pillar is erected and the Beam is in its' place – So that the Cylinder Condenser & Boilers only are wanted to complete the Engine.

This Engine was originally intended for a high pressure one, but it will be better to make a double Boulton & Watt. The Barrels are 12 In. with a 7½ F^t. Stroke a min w^d. lift 35 Gall^s. P. Stroke & 9 Strokes a Min. would be 315 Gall^s. P. Min. which with the other Engines w^d. be rather more than the Present amount of the feeder in excess of the present Engine Power.

The reasons in favour of this mode of proceeding are 1st. The great Saving of time

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Percy-main

and expence. 2^d. The chance of the Feeder abating. 3^d. That as the Percy Engine will require a thorough repair next year, its' Power may be increased, Should it be necessary to the extent of the 200 horse En. proposed to be erected at Howdon, and for which it might be Substituted. Mess^{rs}. T.J. Taylor, Hawthorn Con. Brown, Geo. Robinson & Oliver were in on this Consultation The Water has Risen 9½ In. in the 24 hours, in the Howdon Pit, Since the dams gave way. Geo. Robinson to go to Hawkses to inquire in what time they could finish the Cylinder & Materials for the Engine.

M^r. Marreeo

M^r. Marreeo called upon me to talk over the Subject of a Contract for Lord Londonderrys Steam Boat Coals. The Cargo Shipped on the 24th. Aug^t. has been Sent to Lisbon on trial to the Gen^l. Steam Navigation Co. - if they Answer the Co. will be able to contract for a larger quantity of them.

Cowpen Colliery

Met Mess^{rs}. Dan^l. Turner, Carr & Jn^o. Jobling, had with the two latter for letting them Cowpen Colliery. Agreed upon the Preliminaries, Subject to S^r. M.W. Ridley's approbation.

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Viewed the Beaumont Pit Benwell Colliery The Band on the Face of the S^o. Winning Head^s.

Benwell
Colliery

under Dunston Haugh, has thickened to 25
Inches. The top Coal is only 28 & the bottom
8 In. thick – this makes the working very
expensive, and as the Band thins to the W.
I decided to turn 2 W. Boards at the face
of the Headwayses & to resume the winng.
out to the S^o. at 2 or 3 Pillars further West

Stanton's
new House

Examined Stanton's new House, at Ben^l.
with Henry Turner – the Roof is now
being put on. Returned to W. End Eveng.
Sep. 25th. Tuesday Went to Pensher this
mornng.
Sep. 26th. Wed. Lord Ravensworth and the
Bishop of London called upon me at Pensher
but I was out about the Collieries at the time &
did not see them. They had been to see the
Victoria Bridge.

Lord
Ravensworth
Bishop of
London

Sep. 27th. Thursday Viewed the Five-quarter
Workings in the E. Pit Pensher, this mornng. to
see what effect the working of the pillars
in the Main Coal & Maudlin Seam below
had produced, on this Seam. No break

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or dislocation is visible in the Seam except
upon the Barrier next Biddick, where the
Seam appears to have broken off and
Sunk about 18 Inches – It is broken in
this Shape – both the Roof and the Thill
being fractured at the Same place

The Roof is a
[Diagram of Fracture] Strong arenaceous
Blue metal Stone
A Strong gray Thill.

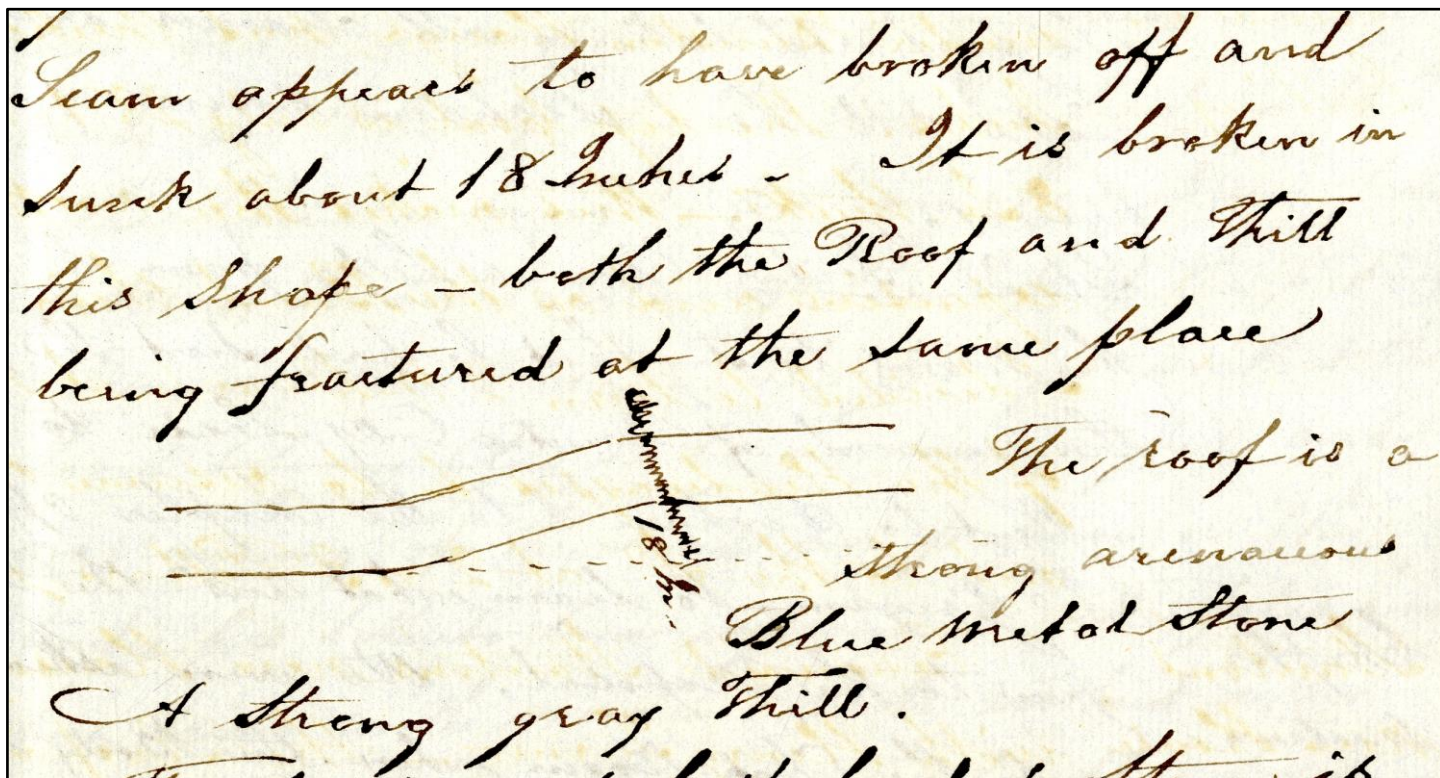
The fracture of both Coal & Stone is
Serrated, but the Coal is not injured
further than being winded, which makes
work woody & bad to wedge of Short

The depth of Coves from the Surface
is 81 Fath^s. The main Coal Pillars have
been worked at 11 Fath^s. below, and the
Maudlin 10 Fath^s. below that again

At Seaham Harbour – have got the Framg.
reinstated at the N. Pier-end, but no more
Foundation has been laid.

Lord & Lady
Londonderry
Cap. Bentink

Called upon L^d. & Lady Londonderry at
Seaham hall. Cap. Bentink – the celebrated
Yacht Sailor was with them. Lord L.



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protested vehemently against the proposed renewal of Rainton Colliery Lease, being made

He preferred taking all chances & Running all Risks 'till Lord Seaham comes of age 3 years hence.

Sep. 28th. Friday Rec^d. a Letter from M^r. M^c. Donnell this morn^g. to Say that he had Sent the proposal for the renewal of Rainton Colly. Lease to the Dean & Ch.

Chapter Meeting at Durham

Went to Durham & to the Chapter Office with M^r. Jn^o. Gregson - to learn what Ans^r. the Rev^d. Body w^d. give to the Proposal. We were asked to walk into the Chap. Room where the Body were assembled

None Spoke except M^r. Douglas - who appeared to be the Chairman. He held a Scrap of Paper in his and read from it these words. "The Chapter do "not accept M^r. M^c. Donnells' proposal for the "renewal of the Rainton Colly. Lease". We made our bow & retired.

Framwell-Gate-moor Sinking Pit.

I Set out for W. End & on passing out of Durham met M^r. Jn^s. Forster who asked me to go & take a look at their large Sinking Pit, in the Wash, on Framwellgate moor. He accompanied me to the Pit. It was broken 26 F^t. diam: is now 14 fath^s. Deep, & is reduced to 19 F...3 In. diam.

The top feeder of Water has been Stopped at

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a bed of Clay & is pumped out by a hand pump wro^t. by 2 men. 3 Lengths of Piles have been driven the piles are 2½ In. thick - the Cribs are 7 In Sq^r. & the inside Cl[ea]dg. is 1½ In.

The Timber is hung by 8 Strong Spear-pieces, from Balks of Timber laid across the top of the Pit

There is little Water in the Pit, yet So that the

Sand & leavy Clay, is by no means quick, and no running of the Sand nor pressure on the timbers has hitherto been experienced. The Piles have been driven with wooden maids, without either Requiring Shoes, or Caps, as no tumblers have been met with in the Clay, or Sand. And the Shaft is true in Centre. The Stays between Cribs are only 8 and 10 In. long – advised them to Smear the edges of the Piles, & the backs of the Cribs with Soft Soap – and to Strengthen the Cleats on the Cribs. Went to Walls-end in the Evening.

Percy-main Colly.
Meeting of
Co.
New En.
to be built
on Howdon
Pits

Sep. 29th. Satdy. At Newcastle – meeting with the Percy Co. - Present Mess^{rs}. Lamb, Heatherington and Walker, with Mess^{rs}. Th. Hugh & T.J. Taylor W. Hawthorn, Geo. Robinson & Oliver. It was resolved to Relinquish the plan of putting in new dams – to erect a new 200 Horse Engine

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on the Howden E. Coal Shaft – to draw 600 Gallons P. Min. - to prepare the Flatworth Pit for full work in the Bensham, in the event of the Water Rising so as to lay off the Percy Pit in that Seam, before the new En. can be erected at Howdon, and to Set the Main Coal on- full work in the Percy Pit.

Percy main
New Engine

In the event of the Water reaching the Percy Shaft in the Main Coal, before the new Engine at Howdon can be finished – the Percy Shaft and Bensham Staple to Scaffolded, so as to prevent the water from filling the Bensham Workings,

Stella Grand
Lease.

Met M^r. H. Taylor at M^r. Clayton's Office on the division of the Stella Grand Lease Colly. Nothing definitive was Settled but it appeared to be most expedient to divide the Royalty into three Divisions viz. An East, a W. & a N. div. The Stella Freehold to be attached to the E. The Glebe Colly. to the W. and the Holborne Dyke to form the S^o. Boundy. of the North division. It became a question as to the terms on which M^r. Dunn was to be admitted a Partner into the W. Townley & Glebe Colly

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whether he was to commence from the first Paying his Share of the advance of Capital with Interest, & Sharing the Profit. or to have the Concerns valued in the Present State

I think the latter the equitable plan, but I declined giving any decided opinion until I consult my Partners.

Set out by the Hero from the Turk's T[f], for Manchester on my way to Coleford to attend the Dean-Forest Commission – at 8 o ' Clock P.M.

Sep. 30th. Sunday Arrived at Leeds at ½ Past Seven this mornng. Started by the Manchester

Mail at 9 – arrived at Manchester at ¼ Past 3
in the Afternoon. Took the Railway-train at ½
Past 3 and arrived at Birmingham at 8 –
Got the Bristol Mail at ½ Past 9 and arrived at
Gloucester at ½ Past 3 on the Mondy. Mornng. the 1st.
of October. Took a Gig from Gloucester at ½
Past 9 to Coleford a distance of 20 Miles where
I arrived at ½ Past 12 o ' Clock.

Expenses of this Journey viz.

Coach Fare to Leeds	£ 2.. 7..0
Coachmen and Guards	0.. 6..0
Breakfast at Leeds 2/ 6 Coach to Ma ⁿ .	0.. 3..6
Railway Fare to Birmingham	<u>1.. 1..0</u>
Forw ^d .	<u>£3..16..6</u>

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Brought Forward	£3..16..6
Bed & Breakfast &c. at Gloucester	0.. 6..0
Gig to Coleford	1.. 0..0
Driver 5/- Gates 2/-	<u>0.. 7..0</u>
	<u>5.. 9..6</u>

Assuming the distance to be 300 Miles, the
Cost P. mile is ^d.4.38 — ^d. 5.66

Omitted in the above

Fare to Gloucester	— 1..1..0
Omnibus to Birmng.	— 2..--
Expenses at Gloucester	<u>9..--</u>
	<u>7..1..6</u>

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<u>A</u>		<u>B[Cont]</u>	
The Allan River	43,	Benwell Colliery	42,
Auckland Coal Field	49,	Bridge Junction, Opened, See Victoria Bridge	41,52,
Auckland Palace	50,	Brandling Railway,	49,
Agreement L ^d . Durham & Geo. Robinson	68,	Brikett, the Rev ^d . James	48,
<u>B</u>		Babbage M ^r .	57,62,
St.Beas,	16,20,	Body of W ^m . Dawson, found	64,
Bridge Willington	17,	Ditto of Jo ^s . Dobinson found	67,
Bishop of Durham	29,49,	Blackburn, M ^r . The Duke of Northumberlands'	
British Association	40,42,50,52,	Comm ^{er} .?	68,
		Bishop of London	76,
		Bentink Cap	77,

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<u>C</u>		<u>E</u>	
Coal-owners & Factors' Meeting	4,	Engine New on Howdon Pit	80,79,
Coal-trade	7,8,30,38,47,64,69,		
Cramlington Colly.	15,		
Carlisle Railway, opening of	21,		
Coronation	24,	<u>F</u>	
Church Lease Committee	22,24,29,31,32,	Fenham Coal	16,
M ^r . Combs,	28,	Flatworth Pit	19,
Cramlington, New Winning	41,	Forest of Dean	22,
Capola Bridge	45,	Feeded of Water,	34,35,36,37,

Commission Meeting, Sunderland Clayton, M ^r . John - Tanfield- moor Colly. Cowpen Colliery Chapter Meeting Coleford, Journey to	64, 65, 69, 78, 81,	Percy-main Colly. Fine Arts Society Framwellgate-moor, Sinking Pit	38,39,41, 42,65, 79,
<u>D</u>		<u>G</u>	
Dowlais Colly. Dinner at Blackwall Dams, Percy-main Dams, D ^o .—closed Ditto— Burst Dawson, Williams Body found Dams, New project in Percy Pit Durham the Earl, of agree ^t . with Geo. Robinson	7,9,11, 13, 35,36,38,39,40,41,42, 47,57,52,55,62,66, 52, 57, 64, 66,69, 68,	Guest, M ^r . Groom M ^r . Great Western, Railway Gresley M ^r . Grand Lease, Stella Greenough M ^r . Gregson M ^r . John	7,9,11,31,33, 10, 23, 49, 57, 62, 70,

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<u>H</u>		<u>K</u>	
Holywell Colly.	17,	Killed	37,57,
<u>I</u>		<u>L</u>	
<u>J</u>		Lovegrove Lanchester Common Colly. Labouchere's Committee Lord Londonderry Lord Lowther Loch's Patent Wheels Lord Ravensworth	2, 2,3,21,37, 7,4, 16,28,77, 22, 28,31, 76,
Jarrow Colly. Junction Bridge Journey to Coleford	18, 46, 81,		

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<u>M</u>		<u>P</u>	
Meeting of Coal-owners and Factors M ^r . M ^c . Donnell	4, 26,28,	Percy-main Professor Phillips Portlock Cap.	16,19,38,39,40,42,47,51,52,66,80, 50, 51,
<u>N</u>		<u>Q</u>	
N. Hetton Colly. Board	67,	<u>R</u>	
<u>O</u>		Roy, M ^{rs} . Regulation of Coal- trade River Allen Rainton Colly. Ravensworth Lord	11,32, 30, 43, 46,70, 76,
Oakwood Colly.	8,		

<u>S</u>		<u>V</u>	
Steam Ship British Queen	1,	Voyage in Steamer from London to Newcastle	21,
Ditto – Gorgon Frigate	2,	Victoria Bridge, opened	52,
Seaton Coal	4,		
Seaham Harbour	16,40,46,	<u>W</u>	
Staward Peel	44,	Woods, Office of	2,22,23,
Saint Bees	48,	Woodhouse Colly. Reference	13,
Stella Grand Leases	57,65,80,	Williamson Peele	16,
Stephenson Fred Esq ^r .	68,	Westminster Abbey	29,
Seaton Coal	69,70,	Wylam Colly.	48,64,
S ^t . Helen's Colliery	72,	White D ^f .	68,
<u>I</u>			
Tanfield-moor	21,		
Ditto –Colly. proposed Purchase of	65,		