

Bud | 65

Bushblades Colliery, Memor<sup>d</sup>. [1]

From Mayday 1768  
to

John Buddle.

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Colliery Memorandums, [2]

----- 1768. -----

Engine Pit

	Fa.	Fe.	In.
From Surface to Top Seam --	15.	-	-
From d <sup>o</sup> . - to Brass - thill d <sup>o</sup> .	22.	2..	5
From d <sup>o</sup> . - to Hutton Seam d <sup>o</sup> .	50.	4..	5
From d <sup>o</sup> . - to Foot Coal d <sup>o</sup> .	50.	5..	5
From d <sup>o</sup> . - to Little - Coal -	51.	3..	11
From d <sup>o</sup> . - to Low-main d <sup>o</sup> .	55.	2..	5

Dimensions of Hutton Seam.

	Fee.	In.
From Roof to Band -----	2..	7
Thickness of d <sup>o</sup> . -----	..	4½
Coal to another Band -----	1..	9½
Thickness of d <sup>o</sup> . -----	..	1
Coal to Hutton Seam Thill ---	1	8
Thill, a Splint Coal -----	..	2
Foot Coal -----	..	10
F In.		
Hutt. Seam 6.. 6 - . ----- Total	7..	6

[3] [Bud-65] Middle Pit.

	Fa	Fee	In
From Surface to Thill of Top Seam	17	1	-
----- to d <sup>o</sup> . of Brass-Thill	25	-	-
----- to d <sup>o</sup> . of Hutton d <sup>o</sup> .	53	3	-

Jo. Soulsby and P<sup>rs</sup>. Have the Middle Pit taken from 4½ Fa. Below the Brass-thill to the Hutton Seam at 3 Guineas P. Fa. and find their own Candles.

	£.	s.	d.
Length Sunk 24 Fa. At 63 <sup>s</sup> /d. P <sup>r</sup> ;	75.	.12	-
Sunk in 1029 Days Works at 16 P.	68.	.12	-
----- 400 D <sup>o</sup> . Extra <sup>y</sup> . at 2 <sup>d</sup> P	3.	6	.8
----- 9 Doz. Cand <sup>d</sup> . } <sup>6</sup> / <sub>4</sub>	..	.19	..
used, but p <sup>d</sup> . only for 3 Doz. }	£ 72.	17.	.8
Profit £	2.	.14.	.4

[on Blotting Paper]

[Bud-65] [3]

15 ) 1029 @ 16  
66 . 12

6 ) 400  
66..8

[on Blotting Paper]

Medium Width --- 3½ Feet  
Height ----- 5 d<sup>o</sup>.  
18 Feet = 2 yards |17½| or 18 Feet  
In a soled Yard -- 64 Pecks  
20 ) 128 ( 6½ Scores  
In a Yard 6½ x. Coals at 1<sup>d</sup> P. 6½.

	£	s	d
Headways P Y <sup>d</sup> . -----	..	..	8
New Opening -----	..	..	3
Coals -----	..	..	7
Putt <sup>g</sup> . -----	..	..	3
Pit -----	..	..	4
Candles -----	..	..	2

If comm. Head<sup>s</sup>. £ -- 2.. 3  
 All:  $\frac{1}{3}$  more for Drift<sup>g</sup>.

[4] 1<sup>st</sup>. Drift from Engine to Middle Pit  
 in the Hutton Seam.  
 1768. June 9. Let the above at 3<sup>s</sup>/ 2<sup>d</sup> P Yard  
 to the Middle Pit Drift 86 Y<sup>d</sup>.  
 The first 20 Yards to be under the Band  
 and 1½ Yards wide, the Remainder of  
 the Distance 1 Yard Wide.  
 The Owner finds  
 Bankmen and Drivers & Sharping.  
 The Undertakers find  
 Labour, and Candles.  
 Drive and compleat a Sufficient Kit.  
 Calculation for Lett<sup>g</sup>. The above.  
 Hewing per Yard 1<sup>s</sup> .. 8<sup>d</sup>  
 Coal ----- d<sup>o</sup>. ----- - .. 6½  
 Putting ---- d<sup>o</sup>. ----- - .. 4  
 Rit ----- d<sup>o</sup>. ----- - .. 3  
 Candles -- d<sup>o</sup>. ----- - .. 2½  
 Sh 3.. 0

[5] Observations on the afores<sup>d</sup>. Bargain.  

	£.	s	d.
Length 85 Yards -- at 3 <sup>s</sup> / 2 <sup>d</sup> P.	13	9	2
2 Doz. Candles ded <sup>t</sup> . at 6/ 4 P.	-	12	8
Drove by 6 men, in 127 Days each 2 Men 6 Hours down each Shift and made P. Shift 2 <sup>s</sup> / 0¼ <sup>d</sup> P. fore a good Bargain! Candles P Yard, between 1¾ & 2 <sup>d</sup> .	12	16	6

N.B. They drove the 20 Yards of 1 ½ Y.  
 wide Drift in 31 Days and made  
 2<sup>s</sup>..0½<sup>d</sup> P. Shift, including the Candles.  
 If the above had been drove and the  
 Drifters had Struck the Coals, it wou<sup>d</sup>  
 have cost P Yard as under, viz.  
 4<sup>s</sup>/ 9<sup>d</sup>. -----

Observations on a Bargain of Boring [6]  
 From below the Brass-thill, to the  
 Hutton - Seam in June 1768. -----  
 ----- Jo. Soulsby Borer. -----

	£	s	d
2 ½ Fath <sup>s</sup> . --- at 7 <sup>s</sup> / - <sup>d</sup> P	--	17	6
5 d <sup>o</sup> . --- at 10/ 6 P.	2..	12	6
5 d <sup>o</sup> . --- at 14/ - P.	3..	10	-
1 d <sup>o</sup> . --- at 17/ 6 P.	--	17	6
They expect to have } ½ d <sup>o</sup> . at d <sup>o</sup> P. thro' the Grounds }	--	8	9
Their Wages -- £	8..	6	3
They bored the above } Distance in 89 Days } at 16 <sup>d</sup> P. Day ---- }	£	5..	18..8
	£	2..	7..7

[7] [Bud-65] Mem. of a Boring from the Small Coal  
 Thill, to the Low Main Coal in the  
 Engine Pit.  

	£	s	d
Fa F. In.			
Dist <sup>ce</sup> . -- 4.. 1.. 6 at 3 <sup>s</sup> / 6 <sup>d</sup> P;	--	14	10½
Bored in 10 Days at ¼ P	--	13	4
	--	1	6½

JB. There was 1 Fa. of Box.  
 Acc<sup>t</sup>. of Stone below the Foot-Coal Thill  

	Fa	F.	In.
Thill Stone -----	0..	2	6
Little Coal -----	0..	2	-
Soft Thill -----	0..	1	-
Calm Post -----	0..	-	-
Blue Stone -----	0..	-	6
White Stone -----	1..	2	-
Coal (Low-main) -----	1..	2	6
Fa.	3..	4	6

Mem. of a Bargain of Sinking in the Engine [8]  
 from 17 In. below the Foot Coal. -----  

	£	s	d
Fa F. In.			
Dist <sup>ce</sup> . -- 1.. 1.. 6 at 6 <sup>s</sup> / - P --	7..	10	-
Candles 19 lb. deduct ---	--	9	9
	£	7..	-
Performed in 70 Days at 16 <sup>d</sup> P;	4..	13	4
Profit £	2..	6	11

[9] A. Barg. Boring from Hutt. Seam D<sup>t</sup>. [Bud-65]  
 to the Low Main Coal. -----  

	£	s	d
To Bore and Find Candles. --	1..	1	-
Performed in 13 Days at 16 <sup>d</sup> P	--	17	4
Candles -----	--	1	-
	£	--	18..4
Cleared £	--	2	8

Mem. of another d<sup>o</sup>. from the End of last  
 to 4½ Feet below Lowmain Coal.  
 Fa F. In. £                      £ s d

Distance – 3.. 2.. 6 at 6 P – – –	20..10..–
Consideration – – – – –	1.. 1..–
	£ 21..11..–
Can. 26 – lb. ded <sup>t</sup> . at 6½ <sup>d</sup> . P.	– ..13..9
	£ 20..17..3
Performed in 225 Days at 16 <sup>d</sup> P	£ 15.. – ..–
Profit	£ 5..17..3

[on Blotting Paper]	[9]
	Fa F. In.
Dist <sup>ce</sup> . – – – – –	3.. 4.. 6
Work. H <sup>t</sup> . – – – – –	– .. 2.. –
	F. 4.. – .. 6
4 Fa. at 3/ 6 P	– ..14.. –
Foot Coal & Drown'd	} – .. – ..10
Hutt. Seam &c. – –	
1 <sup>F</sup> ..9 <sup>In</sup> . – – at d <sup>o</sup> .	
Cutt <sup>g</sup> . Roofs – – – – –	– .. 4.. –
Candles – – – – –	– .. – .. 6
	£ – ..19.. 4

[10]	[on Blotting Paper]	[Bud-65]
	Vent. Onsett <sup>g</sup> . Computes.	£ s d
	Use 4 lb. Candles for	} – .. 2.. 1
	12 Scores – – – – –	
	One Man Work. – – – – –	– .. 1..11
		£ – .. 4.. –
		0
	Should be P. Score – – .. – .. 4	
	1½	
	2¼	
	3	
	7¾	
	2¼	
	3 =	

[Text between Red Bracket [ ] aligned Transversely]

Prices of Coal Work in the Venture	[10]
	s d
Hew <sup>g</sup> . (with 16 P. Corf) P. Score –	1 .. 4
Onsett. & find. Candles – d <sup>o</sup> . –	– .. 4
Laying out Bords from 1½ <sup>d</sup> to	} – .. 6
3 Y <sup>ds</sup> . Wide – P Bord –	
Headway (below Dike) P Y <sup>d</sup> . – –	– .. 6
d <sup>o</sup> . – – (above d <sup>o</sup> .) P. Y <sup>d</sup> . – –	– .. 8
Levels 1 Foot at Beginning &	} – .. 4
to go out at Nothing – – – – –	
P Yard – – – – –	
D <sup>o</sup> . 2 Feet d <sup>o</sup> .	– .. 6
D <sup>o</sup> . 1 Yard d <sup>o</sup> .	– .. 8
Onsetting P Score Shou'd be – –	– .. 4 <sup>d</sup>

[11]	The Bargain of Low-main Coal	[Bud-65]	
	in the Engine Pit – – – – –		
		s d	
[B	} Hewing – – – – –	1.. 7 P.	
o		Putting – – – – –	– .. 6 P.
r		Candles – – – – –	– .. 2 P.
d]		P; yard 2 .. 3	
		s d	
[He	} Hewing – – – – –	– .. 8	
ead		Coals – – – – –	– .. 8
wa		Putting – – – – –	– .. 2
ys]		Candles – – – – –	– .. 2
		Per Yard £ –1.. 8	
	Let { The Bords – – – 2 <sup>s</sup> .. 6 <sup>d</sup> }	} P. Yard	
	{ The Headways 2 .. – }		
	N.B. They drive 12 In. Level in N.Heads		
	and Loose all Bords to that Level.		
	N.B. Air, and Water are Objections.		
	They afterw <sup>ds</sup> . Abated 3 <sup>d</sup> P Yard in the Bords and		
	only took up the Stone Barroway Breadth.		

[on Blotting Paper]	[Bud-65] [11]
Hew. P. Score – – – – –	2 <sup>s</sup> ..8 <sup>d</sup>
A 3 Y <sup>d</sup> . Bord, and 1 Y <sup>d</sup> .	} Length – – 12 Corves
Length – – 12 Corves	
20 [ ] : 2 <sup>s</sup> ..8 <sup>d</sup> :: 12	
	12
	32 ( 1 <sup>s</sup> ..7 <sup>d</sup>
	12

Let a Bargain of Levels in the	[12]
Hutton S. Drift from Engine to the	
Middle. – – – – –	
Depth – – – 1 }	In
Width Top – 1 } Yard	Coal – 12
d <sup>o</sup> . Bott. 12 Inches }	Stone – 24
	36
To drive, find away the St[uff] and	

n  
144  
140

Find Candles P. Yard ----- 18<sup>d</sup>.  
Cleaning the Sludge ----- 2 Shifts

	£	s	d
52 Yards at 18 <sup>d</sup> P. -----	3..	18..	-
2 Days more -----	-	2..	8
	<u>4..</u>	<u>-</u>	<u>8</u>
78 Days Wrought at 16 <sup>d</sup> P. -	5..	4..	-
15 lb. Candles - at 6 <sup>s</sup> /2 <sup>d</sup> P	-	7..	8½
	<u>£ 5..</u>	<u>11..</u>	<u>8½</u>

They shou'd have had 2<sup>s</sup>/2<sup>d</sup> P. Yard.

[13] Middle Pit.  
1768.

Nov. 1. A Large Ring making in Strong Stone above H. Seam Middle Pit cost - 24 Days at 16 <sup>d</sup> P.	£ s d 1..12..-
Bor <sup>g</sup> . 3 Fa. Slope Hole cost - 16 Days at 16 <sup>d</sup> P.	1.. 1.. 4
Cleaving up ditto cost 6 Days at 16 <sup>d</sup> P.	-.. 8.. -

[14] [on Blotting Paper Crossed Out] [Bud-65]  
Hutt. Seam Middle.

1 Yard Head <sup>s</sup> . Yields 11 24 Peck Corves at 20 <sup>d</sup> P } Driving ----- Extraord <sup>y</sup> . ----- Putting 9 (a 16 P. Cors) -----	£ s d -..11 -.. 8 -.. 2 -.. 5
	<u>£ 2.. 2</u>
Candles ----- On Acc <sup>t</sup> . of	-.. 2 <u>2.. 4</u>
1 Yard Bord will } Yield 18 Corves - }	£ s d -.. 1.. 6
Driving ----- Extra <sup>y</sup> . ----- Putting 9 (a 16 P. Cors) ----- Can <sup>l</sup> -----	-.. -.. 4 -.. -.. 2 -.. -.. 8 -.. -.. 2
Wrong!	<u>£ -.. 2..10</u>

A Calculation for Letting the Head<sup>s</sup>. [14]  
and Bords, in the Hutton-Seam Middle  
Pit. ----- Bushblades Coll<sup>y</sup>. -----

1. Headways, P <sup>r</sup> . Yard. At 6 <sup>f</sup> ..6 <sup>ln</sup> . dd <sup>t</sup> Band 4 <sup>ln</sup> . Rem <sup>s</sup> . neat H <sup>t</sup> . -- 6 Feet 2 In. } 1 yard will yield 8 Corves, viz <sup>t</sup> . } 24 Pecks, at P <sup>r</sup> . x. -----	£ s d -.. -.. 9
1 D <sup>o</sup> . --- Driving -----	-.. -..10
Putt <sup>g</sup> . With a 16 P. C. -----	-.. -.. 4
New Opening Allow <sup>ce</sup> . -----	-.. -.. 3
Candles -----	<u>-.. -.. 2</u>
	<u>£ -.. 2.. 5</u>
2. Bord P Yard. £ s d	
1 Yard will yield 16 Corves } at 22 P. x. ----- }	-.. 1.. 6
Driving -----	-.. -.. 4
Extr. For new Opening	-.. -.. 3
Putting w <sup>th</sup> . 16 P. Cors -----	-.. -.. 7
Candles -----	<u>-.. -.. 2</u>
	<u>£ -.. 2..10</u>

[15] The last 8 Fa. In the Middle Pit [Bud-65]  
Sinking, next the Hutton Seam  
Lay in as follows, Per Fath.

	£	s	d
Workmanship -----	4..	10..	-
Hacks uphold <sup>g</sup> . -----	-..	8..	-
Wedges - d <sup>o</sup> . -----	-..	4..	-
Candles -----	-..	4..	-

N.B. The Air was bad and wasted  
Candles much.  
If the Coal had not been included  
the Prices would have been.

Sink <sup>g</sup> . -----	5..	-..	-
Hacks -----	-..	9..	-
Wedges -----	-..	5..	-
Candles -----	-..	5..	-

N.B. The Stone was all Green Post  
but 1 Fa. and very coarse.

[Bud-65] Rooming down a Hole with a [16]

4 Inch Cheisel & Leaders, from  
the Hutton Seam to the Low  
Main Coal 4 Fa. distance.

To Room-down & Find } £ s d
Candles ----- } 1.. 3.. 6

Performed in 14 Days, and } 1 <sup>s</sup> / 8 <sup>d</sup> .
got badly forward, & made } P. Day -----

Prices that shou'd Work the Hutton  
Seam by Yard. s d

Headways	2.. 6.
Bord	3.. 6.

P<sup>r</sup> John Curr.

Jos Soulsby & P<sup>rs</sup>. had for widening the [17]  
Middle Pit Meetings, a Hard Stone, 5 In.  
Cansh, 3 Yards, and laying and £ s d  
drawing all Scaffolds ----- 1.. 4.. 0

They made 18<sup>d</sup>. P. Shift.

N.B. They asked 17s..6<sup>d</sup> P.Fa.

They also have a Slope Hole to bore in  
the above Pit, from the Meetings, on the  
following Conditions, viz.

For 10 Fa. --- 3 <sup>s</sup> / 6 <sup>d</sup> P. Fa	} 3/ - P Fa <sup>m</sup> . Advance
5 d <sup>o</sup> . more - 6/ 6 P d <sup>o</sup> .	
5 d <sup>o</sup> . more - 9/ 6 P. d <sup>o</sup> .&c.	

To make a Sufficient Ring ---	£ s d
	0..15..-

To make Room for Beut Gait -	0.. 5..-
------------------------------	----------

To have 1 Yard Box allowed and ½  
of the Remainder. & the Dist They bore  
into the Coal. N.B. No Cand<sup>s</sup>. ment<sup>d</sup>:

The Hole made P. Day -----	} 1 <sup>s</sup> / 2 <sup>d</sup> . -
The Ring --- P d <sup>o</sup> .-----	
	1 <sup>s</sup> /-

Length of Middle Pit Slope Hole from [18]  
Meetings. £ s d

10 Fa. -- at 3/ 6 P. ----	1..15..-
---------------------------	----------

5 d <sup>o</sup> ; -- at 6/ 6 P. ----	1..12.. 6
---------------------------------------	-----------

5 d <sup>o</sup> ; -- at 9/ 6 P. ----	2.. 7.. 6
---------------------------------------	-----------

4 d <sup>o</sup> ; -- at 12/ 6 P. ----	2..10..-
--	----------

24	£ 8.. 5.. -
----	-------------

Bored in 139 Days at 1 <sup>s</sup> / 2 <sup>d</sup> P	8.. 2.. 2
--	-----------

Drivings in 6 Hours narr. Drift.

A man in the Hutton Seam, --

4 Feet Wide -- 1¼ + Y<sup>ds</sup>.

1 Y<sup>d</sup>. Wide --- 1 d<sup>o</sup>.

X Feb. 1769. [Bud-65]

P. Reed and P<sup>rs</sup>. Drove 49 Yards of  
North Headways in the Venture Pit  
at 16<sup>d</sup>. P Yard; in the Hard Coal Seam.

N.B. 1. They had their Coals but Stowed  
them, till there was a Quantity  
for the Barrowmen to take  
away.

2. Bring pinched for Price they were  
only a Yard wide.

3. They had a good Deal of Water  
to deal with.

1 ½ Yards Headway is a Mans --  
common Days Work in the Hard  
Coal Seam.

Some Men can drive from 3 to 4 Yards  
in the Said Seam. -----

March 1769. ✕ [19]

N. Winship and Part<sup>s</sup>. Have a Bargain  
of 60 Yards of North Headways --  
Drift in the Hard Coal Seam at 22<sup>d</sup> P. Yard.

Note 1. They find their Candles.

2. they have their Coals and are  
paid for Putting.

3. They have Levels to drive so that  
they are not troubled with the  
Water.

4. They have 6<sup>d</sup> P. Yard for 20 In.  
Level to go out at Nothing.

N.B. A Man shou'd drive more than  
1½ Yard per Day. -----

Ap. 1. Let them 40 Yards more at  
2<sup>s</sup>/ 4<sup>d</sup> P. Yard.

[20] [Bud-65] March 1769.  
 For Keeping the Hutton Seam Headways constantly going in the Middle Pit 18<sup>d</sup> P. Yard. -----  
 Let the North Headway in do.  
 Pit and Seams for 20 Yards at 3<sup>s</sup>/<sub>-<sup>d</sup></sub> P<sup>r</sup>. Yard.  
 The Hewers to have their Coals, find their Candles, and keep the Pump: – They put their Coals to a Stowage Bord, and from thence to the Shaft.  
 One Yard of Headways is a moderate Days Work in the Hutton Seam. -----  
 They into the above Bargain drive Levels to the Foot Coal Thill & have 22<sup>d</sup> Per Score for their Coals & Pulling them.

[on Blotting Paper]  
 For Letting the North Headways in Middle Pit Hutton Seam.  

	s d
Driving	1.. –
Putting	– .. 3
Teeming & Filling-up	– .. 3
Water Keeping	– .. 4
Candle	– .. 2
	Per Yard 2.. –

 If both were employed.  
 But there must be 2 Men at once & it will cost P. Yard 2<sup>s</sup>/<sub>8<sup>d</sup></sub>. -----  
 Let for 3<sup>s</sup>/<sub>-<sup>d</sup></sub> for 20 Yards.

[21] For Letting the Middle Pit Hutton Seam to Set-on P Score from April to next Bind<sup>d</sup>. -----  

	d.
Candles -----	1½
Oil -----	½
Labour -----	2
Onsetters -----	1
	5 P. Score

 N.B. Something would be saved in the Oil and Candles, which wou'd advance the Overmans Wages.  
 X

[22] For keeping the Headway's going [Bud-65] constantly Night & Day in the Hard Coal Seam we pay 11<sup>d</sup> Per Yard & for Narrow Bords 6<sup>d</sup> Per Ditto: – The Hewer has his Coals. Sometimes we pay 1<sup>s</sup>/<sub>-<sup>d</sup></sub> Per Yard. --  
 Narrow Bord in the Hutton Seam Middle Pit when wet and much Following Stone 8<sup>d</sup> Per Yard.  
 Coal Dams in Middle Pit each 6<sup>d</sup>.

[22] [on Blotting Paper]

Makings out of the North Headways in Venture tow <sup>s</sup> . Broom.		[22]
First Bargain. -----	Con in Days	P. Day
16 Yards Lev <sup>s</sup> . 20 In. } Deep at Crous at 6 <sup>d</sup> . }	4	2 <sup>s</sup> / <sub>-<sup>d</sup></sub>
Yards ---- at 22 <sup>d</sup> P.		

[23] April 1769. -- 16 Peck Corfs. [23]  
 After N. Winship & P<sup>s</sup>. Had drove the Bargain of 60 Yards in the Venture towards the Broom, at 22<sup>d</sup> P. Yard, They took 40 Yards more at 2<sup>s</sup>/<sub>4<sup>d</sup></sub> P. Yard, on the same Conditions as on Page X They also drove Levels -- 20 Inches deep at 6<sup>d</sup> D<sup>o</sup> below – 12 d<sup>o</sup>. --- at 4 Total ---- 32 In. deep at 10<sup>d</sup> P. Y<sup>d</sup>.  
 N.B. A Yard of the above Drift will yield 4 or 4½ Corves of (16 Pecks Coals.)  
 They drove 18 Yards more and had no Coals at 2<sup>s</sup>/<sub>8<sup>d</sup></sub> P<sup>r</sup>. Yard which holed into the Broom Waste. -----  

	s d.
They had for Putting -----	1.. –
----- for Fitting being } Small Coals – }	– .. 4
----- for find <sup>d</sup> . Candles –	– .. 1
	– 1.. 5

 P.Score

[24] Apr. 1769. [Bud-65]  
 After the 20 Yards of Hutton Seam Drift was drove, they made it 30 Y<sup>ds</sup>. at 3<sup>s</sup>/<sub>-d</sub> P Yard & drove 24 more at 3<sup>s</sup>/8<sup>d</sup> Per Yard to where the Second Pump must be. -----

April 1769. Hutt. Seam. [25]  
 Let 22 Yards of North Headways from the East<sup>d</sup>. Mothergait to go constantly at 16<sup>d</sup> P Yard.  
 N.B. The Overman Finds Candles.

[26] Ap. 1769. Hutt. Seam. [Bud-65]  
 Let 22 Yards of South Headw<sup>s</sup>. from the Westward Mothergait at 18<sup>d</sup> P Yard to go constantly.  
 N.B. The Overman finds Candles & the Men have a Pump to keep in the Night.  
 Headways to the Rise constantly going 15<sup>d</sup> P. Yard in the Middle Pit Hutton Seam.

Ap. 1769. [27]  
 Let Soulsby & Moody a Bore Hole in the Venture between the Hard Coal & Brass Thill to Room-down with a 4 Inch Chissel at 3<sup>s</sup>/ 6<sup>d</sup> P Fathom.  
 N.B. They made great Wages of the above May 1769. Let the above some Levels in the Hutton Seam Middle Pit at 2<sup>s</sup>/ 6<sup>d</sup> P Yard and to leave 6 In. dry Cansh.  
 N.B. They find Candles.

Depth.	F. In.
Hutt. Seam Thill -----	.. 2
Foot Coal -----	..10
Stone below d <sup>o</sup> . -----	3 .. 1
Little Coal -----	1 .. 8
	<hr/>
	5 .. 9

They made 16<sup>d</sup> P. Shift of 8 Hours

[28] B X [Bud-65]  
 July 9. 1769  
 Let Soulsby and Moody Stappel to Sink from Hutton Seam to the Low-main Coal at 22<sup>s</sup>/ 6<sup>d</sup> P. Fa. Conditions.  
 Constantly going.  
 6 Quarters Wide.  
 Find their own Candles.  
 Lead & Pillar up the Stones in a Bord Room nigh the Stappel.  
 They made 16<sup>d</sup> P. Shift. -----  
 Christmas 1769. Let another Stap. to G. Curr & P<sup>rs</sup> at 22<sup>s</sup>/ 6<sup>d</sup>; on the Conditions above & 7 Quarters wide.  
 N.B. They made 11½<sup>d</sup> P Shift of 7 Hours. -----

May 1. 1769. Middle Pit. [29]  
 East<sup>d</sup>. Mothergait, drove 6 Quarters Wide, a bad Cover, very wet, and arched to make her Stand, & Coals to the Hewer -- P<sup>r</sup> Yard ----- } 8<sup>d</sup>.  
 The same continued Night and Day as above -- P<sup>r</sup>. Yard } 12<sup>d</sup>.  
 d<sup>o</sup>. 3 Men employed -- P Yard } 14<sup>d</sup>.  
 The West Mothergait, having a bad Cover, drove 2 Yards wide --- P<sup>r</sup>. Yard --- } 8<sup>d</sup>.  
 A Drift under the Band, launched, Headways & Breadth, the Coals to the 1<sup>s</sup>/<sub>-d</sub>. Hewer ----- per Yard. --  
 N.B. Went in the Day.  
 2 Yards Head<sup>s</sup>. Under the Band at Mans Days' Work, leaving, the Grounds.

[30] Sep. 1769. [Bud-65]  
 Let Southern & P<sup>rs</sup>. 12 or 15 Yards of N. Headways in the Midd. P. Hutt. Seam, to go by the Thill at 22<sup>d</sup> P. Y<sup>d</sup>.  
 They have a Pump to keep.  
 The Overman finds Candles.  
 The Horses Put the Coals.  
 They have their Coals. <at 12<sup>d</sup> P. Y<sup>d</sup>.>  
 They have a Bord turned ^ which

Sep. 1769.  
 Let J. Dodd 60 Yards of Drift in the Hard Coal Seam Broom Pit, at 19<sup>d</sup> P. Yard.  
 He finds his Candles and keeps a Lad to Stow the Coals, which are bad and don't go to Bank So that the Pick must make both him & the Lad Wages.

Bord, the Pump & filling the Head<sup>s</sup>.  
 Coals keep the 2<sup>d</sup> Man employed : -  
 ----- Two Men in at once. -----  
 Continued the above, without a  
 Narrow - Bord at 2<sup>s</sup>/- P. Yard, having  
 their Coals, and turned Bordways to  
 the Venture 30 Yards: Then turned  
 narrow Drift, at 2<sup>s</sup>/- P Y<sup>d</sup>. And put the  
 Coals to where the Horses can fetch them  
 they going upon the Ground-Coal.

	B X
Drove 6 Yards in 2½ Days.	s d
6 Yards --- @ 19 <sup>d</sup> P. ---	9.. 6
J.D. - 2½ Days @ 2 <sup>s</sup> / 8 <sup>d</sup> P. ---	6.. 8
the Lad --- 2½ d <sup>o</sup> . - @ 1/- ---	2.. 6
	9.. 2
Allowed for Candles ---	-.. 4
	9.. 6

[31] In the Broom Pit, a Stappel Sunk [Bud-65]  
 at near 3 £. P Fathom by Days  
 Works Should have been only 31<sup>s</sup>/ 6<sup>d</sup> P  
 having some Trouble with the Water.  
 Then the Stone Drift to the West.  
 Height 5 Quarters : -- Quantity

	F. In.
Top-- Gray Post -----	2.. -
Soft Kerving -----	-.. 8
Bott <sup>m</sup> . { Cat Heady hard } { Blue Stone -- }	1.. 1
	3.. 9
	£ s d
Let 5 Yards -- at 17 <sup>s</sup> /- <sup>d</sup> . ---	4.. 5.. -
Wro <sup>t</sup> . in 42 Days - at 22 <sup>d</sup> P. --	3..17.. -
Candles -----	-.. 4.. -
Powder -----	-.. 1.. 6
	£ 4.. 2.. 6

[32]

	£ s d
Let 5 Yards more @ 15 <sup>s</sup> /-	3..15.. -
46 Days at ----- 18 P	3.. 9.. -
lb Candles -----	-.. 3.. -
Gunpowder -----	-.. 3.. -
	£ 3..15.. -
Let 5 Yards more at 14 <sup>s</sup> /- --	3..10.. -
Drove in 46 Days at 16 <sup>d</sup> P --	3.. 1.. 4
Candles & Gunpowder ---	-..10.. -
	£ 3..11.. 4

N.B. The Kerving was in the last Barg.  
 under Level: but they kept it, put  
 in a Bord, Laved their Water, and  
 had the more Jude to pull down.  
 A Kerving Place, the best Chance  
 for a Stone Drift.

[33] Drift a Man can drive in [Bud-65]  
 8 Hours. -----

Low-main Coal -----	1½
Hutton Seam -----	1½
Brass Thill -----	1½
Top Seam -----	1½

From which it is easy to let  
 Bargains of Drifts in the most  
 difficult Cases. -----

[34] For letting the Low Main Coal Drift  
 from the Second Stapple in the  
 Middle Pit to go both Ways from  
 the said Stappel  
 For the 1<sup>st</sup>. 40 Yards each Way.  
 They Shoud Stay 8 Hours.

	£ s d
Two men down -- at 18 <sup>d</sup> P -	-.. 3.. -
One d <sup>o</sup> . Drawing - at d <sup>o</sup> P -	-.. 1.. 6
3 Lads ----- at 10 <sup>d</sup> P -	-.. 2.. 6
Candles -----	-.. -.. 3
P. Shift. -----	£ -.. 7.. 3
3 Yards to be drove in the } above Time -- at 2 <sup>s</sup> / 6 <sup>d</sup> P - }	-.. 7.. 6

1770 Jan. 22<sup>d</sup>: Let 40 Yards of the above  
 Drift each Way at 2<sup>s</sup>/ 6<sup>d</sup> P. Yard: The  
 Owner conveys Air, and gets out the  
 Engine Water if it comes in.

[35] They had 2<sup>s</sup>/- P Yard Headways in [Bud-65]  
 the Low main Coal from the Eng.  
 Pit, for Putting & Hewing & Find<sup>o</sup>.  
 Candles: They made 1<sup>s</sup>/ 10<sup>d</sup> P Shift  
 of 6 Hours. That is 2 Men made

[Pages 36 & 37 Blank]



3½ P Hour, & if to make 1<sup>s</sup>/ 8<sup>d</sup> for  
8 Hours it should have been  
15<sup>d</sup> P. Yard: But in the Case, on  
the other Side of the Leas the Work  
will be double; therefore they will  
deserve 2<sup>s</sup>/ 6<sup>d</sup> P. yard for 40 Y<sup>ds</sup>.  
each Way. -----