

Sort Mining Accidents - Volume 7

Mine or Personal Name	Pages	Comments
Abergowden	526	
Abernant	514	
Aberystwyth	495	
Ainsworth, Thomas	305-307	A partner in the Cleator Moor Iron Co.
Air Pipes	3, 16, 17, 24, 25, 94, 138, 269, 292, 318, 319, 324, 347, 408, 411, 414, 420, 426, 429, 489, 504, 514, 528	3, 489 Wooden (used a lot, but they slowed the air – changing to Galv. Iron) 16, 17, 24, 25 Sollars 94 138 7½" galv. Pipe, costs 4s 9d per fathom. 269 Vertical 8" dia. and horizontal 5" dia. 292 6" square 318 4" zinc. 319, 324 347 5" dia. 408 Wooden boxes 4" by 6". 411 Zinc 4½" dia. 414, 420 Air-drifts 426 zinc pipes with trapdoor. 429 8" zinc. 504 Galv. Iron 4" dia. 514 6" iron 528 3" galv. Iron
Air Pump	442, 446	see Gunnislake Mine
Alport	434	
Alston Moor	522, 523, 318, 319, 327, 329, 349, 356, 363, 365, 370, 375, 435	
America	407, 473, 507	407 Emigration from Swaledale
Apedale Mine	415, 423	Lord Bolton's Liberty - 14 miners at work.
Appletreewick	432	
Arching	330, 336, 339, 359, 409, 410	Beaumont Mines used chiefly timber.
Arkindale [Arkengarthdale]	404, 412, 414	200 men and boys + washing women. See Mr John Knowles.
Arnison, Dr Charles	341-342, 344	Of Alston for 20 years.
Arnison, William Campbell	362, 363	Medical man in Allendale Town.
Arthur, Huel		
Atkinson, Mr Reuben	414-415	Underground manager at Arkindale. Began work at 12, worked 30 years as a miner and 10 as an agent.
Atlas Mine	455	At Ilsington.
Axton Mine	479	
Ayrshire	24	Coal mines.

Baddern, Great Wheel	139, 259	Gwennap
Bainbridge, Robert Walton	374-381	Born in Alston. In charge of London Lead Co. mines in North of England. In Teesdale the mineral lords were Duke of Cleveland, Mr Hutchinson and Mr Bowes.
Ball, Captain Thomas	506	In charge of Lisburne Mines, Level Fawr. Worked at Whl Betsy and Whl Friendship from boyhood. Been an agent for 27 years. Came to Wales in 1839. Worked two months at Great Fowey Consols. Been in Spain 6 or 7 years and in North Wales.
Balleswidden	125, 144, 153, 170, 197, 200	Nr St Just. Lit with gas 197, 200 Gas light 208
Barham MD, Charles	111-116	Prepared a report to Children's Employment Commission and lived at Truro.
Barkell, James	5-8	His father was a miner. Came from Devon and worked at: Friendship as a boy - from 10 to 21 Spain - 4 yrs (went aged 21) Caylon in Wales 1854-1857 (3 yrs) South Phoenix 1857-62. His nine brothers were all miners. One was dead by 1862 (of Cholera). Three were in Devonshie One was agent at Yarnar Mine, Bovey Tracey. Two at Tavistock (i.e. Devonborough and Sortridge) Two near Lake Superior in Canada One in Australia
Barker, Mr Adam	399-401	Aged 55 - Agent at Whitaside and Summerlodge. Had been a miner at Surrender. Began at 14.
Barracks	318, 324, 333, 339, 379, 396, 398, 512	Barracks – 318, 324, 333, 339, 379, 512 Lodging Houses – 396, 398,
Barratt, Francis	95-102	40 yrs experience. Manager of South Crinnis, East Crinnis, Pembroke, Charlestown.
Barratt, Mr John	311-314	
Barron, Mr William	426-427	Manager at Craven Moor. Worked as a miner at Rookhope, Brandon Walls, Derwent Mines, Healyfield and Silvertongue. Was agent at Greenside for 4½ years. Had been at Craven Moor for five years.
Basset and Grylls, Wheel	269	About 40 fms deep.
Basset, Huel	225, 226, 227	Copper & tin mine.
Bassett & Grylls, Wheel	269	see Mr John Bryant Wilkin.
Beam, East	116	See John Webb.
Beam, Great	121	
Beam, West	449	Some copper, principally tin. 90 fms deep from surface, 78 fms from adit.
Beaumont Mines	359	Beaumont Mines used chiefly timber as opposed to arching.

Bedford United	270, 441	A copper mine, 130 fms deeo, Pumped by waterwheel, which worked a Duck engine. Steam engine used for dressing.
Bedford, South	446	
Beech, Mr Edwin Aspinall	491	Lord Willoughby's agent for about seven years. A sulphure mine (iron pyrites) on estate.
Beldihill	403	See Mr John Knowles (p.414). Mr Ralph Milner (p.403-404).
Bell, Archibald	307	Manager of Cleator Moor Iron Mines.
Bell, Thomas Mr	353	Miner at Derwent Mines for 45 yrs.
Bennett's Patent Catch	222	Or Safety Catches
Bennetts, Captain James	172- 174	Manager of: Spearne Moor, North Levant.
Berkely, The Rec. John Richard Pretymen	61-63	Vicar of St Cleer for 18 years.
Bernays, Dr Albert J,	462, 463	A chemist - Professor of Chemistry to Sir Thomas' Hospital Medical College. Did analysis of air samples.
Berryman, John	90, 91	At St Austell for 12 years - Parish Surgeon.
Bertha Croft, Old	472	At St Hilary Ph.
Betsy, Whl	432, 440	
Bevan, George William	184- 187	Surgeon at:- Providence Mine for 28 yrs Whl Reeth for 17-18 yrs since re-opening. Lelant Worvas Downs Trelyon Consols Whl Margery
Bewick, Mr Thomas John	368-9	Engineer in Beaumont mines.
Bickford Fuse	9	
Bigrigg	299	
Billins	480	Lead. 30-40 men underground.
Birch Tor	439, 451	Tin mine
Blaen Ceilan	514	
Blakethwaite Mine	406	c1862 Worked by Sir G.W. Denys & Co. 60-70 men U/G Mr Place was manager.

Blasting	28, 34, 97, 107, 118, 119, 126, 139, 149, 151, 152, 161, 162, 164, 168, 169, 173, 180-181, 183, 188, 196, 197, 215, 221, 226, 234, 235, 236, 237, 243, 244, 250, 251, 252, 253, 261, 267, 268, 271, 277, 279, 303, 311, 332, 334, 335, 359, 413, 450, 492-3.	28 (frequency of), 34, 97, 107, 118, 119, 126, 139, 149 (tamping rods and details of powder), 151, 152, 161, 162, 164 (powder costs), 168, 169, 173, 180-181, 183, 188, 196, 197, 215, 221, 226, 234, 235, 236, 237, 243, 244 (gun cotton), 250, 251, 252, 253, 261, 267, 268, 271, 277, 279, 303 (electrical), 311, 332, 334, 335, 359, 413, 450, 492-3. 118 – Webb’s patent cartridge - “cloth covered with any waterproofing solution with a cowhair wadding up it”. 243 – Sir Humphrey Davy introduced a bronze pricker. 279 – Copleland’s cartridge. 332 – London Lead Cos miners did not like smell of patent fuse and preferred the squib. 335 – Description of process. See Swab-stick
Blowing Machine	3, 29, 35, 38, 45-46, 47, 93, 94, 97, 100, 105, 119, 180-181, 195, 205, 264, 270-272, 334, 347, 360, 404, 406, 208, 411, 446, 447, 464, 493, 513f, 526	3, 29, 35, 38, 47, 446, 447. 45-46 Cylinder machine driven from engine – exhausted foul air. 93, 94 Water jet – venture system 94 Waterwheel powered fan. 97 Box system over water. 100 Duck 105, 119 Piston machine worked off rods. 180-181 Piston at Providence = 20” dia. By six feet stroke (8072-5) 195, 205 Double cylinder, 30” cyl x 8 ft stroke. 264 14” wide x 7” high worked by boys. 270-272 Duck engine 464 Taylor’s Duck at Minera 493 Fan & pipes + Duck + Waterfall 513f Waterwheel powered duck at Goginan. 526 Duck 7 ft stroke 334, 347, 360, 404, 406, 208, 411 Windy King
Boilers	5, 178, 181, 182, 183, 188, 190, 191, 198, 203, 207, 209, 212-213, 215, 219, 226, 228, 238, 239, 249, 251, 258, 261, 264, 268, 272, 277, 449, 454, 517.	213 Explosion (also one at Whl Kitty).
Bolton, Lord	415, 418, 422, 423	
Borers (steel)	22, 38	Used to be a piece of steel at end of a bar of iron, now all steel less wear, much better. See blasting and swab-stick.
Boring	4, 5, 167, 350, 366, 493	Dry 4, 5 Wet 4, 5, 167, 350, 366, 493 167 Single/Double headed
Borlase, John	133-135	Aged 45 Agent at:- Huel Prosper in Breage Great Brigant Mine, in Redruth (6 weeks) Holmbush Mine Trenow Consols c1852 Callington Mines 1862
Boscean and Bottowal United	157, 160, 170	160 Boscorn and Bollowal United
Boscorn	157	

Botallock Mine	142, 158, 166, 167, 168, 449, 463	See Stephen Harvey James - purchased mine from late adventurers - 1835. Had a railroad in diagonal shaft - only used for about four months for conveying men and special car not yet fitted. Another witness said 6 months. Skip accident nine killed 21/04/1863 when chain broke.
Bowan, Capt William	487-490	In charge at Talargoch - lead, silver (some) plus some zinc.
Boyns, Captain Richard	148-153	At Huel Owles since re-opened in 1834.
Boyns, Henry	163-165	Aged 42 - at Botallock Mine. Been a miner for 16 years and an agent for 14.
Boys (employment of)	12, 15, 95, 104, 114, 127, 144, 145, 153-4, 168-9, 182, 193, 200, 206, 232, 270, 273, 284, 306, 314, 326, 329, 331, 346, 373, 374, 376, 400, 404, 410, 411, 421, 424, 425, 430, 450, 454, 482, 492, 502, 504, 524.	
Brandlehow	309	
Brandley Mine	320, 321	Lead & Silver. Keswick Mining Co. 10-11 oz/silver/ton Aroubnd 70 men. Water pumped by steam engine from 50 fms. The shaft has a cage (not safety) brought up men and waggons.
Bray, Captain Nicholas	507-508	A Cornishman in charge of Llwynmalees Mine July 1863 suspended for want of water. Began aged 10 and was now 38. Had worked at the United Mines, Whl Buller, Great Consols.
Brazil	249	See Gongo Mine, and Captain Joseph Vivian.
Bron Mine	510	
Brown, Mr Gilpin	406	
Bryngwiog Mine	479, 480, 482, 483	Near Halkyn Mountain. On 12/02/1862 an inundation of water from old workings at the 60 fm level killed 16 men. 110 men U/G. Two mines which had merged. The old mine was working 60-70 years ago. Western part was stopped 70 years ago. Eastern part was stopped 15-20 years ago.
Bryngwyn Mine	467	Nr Mold
Bucleuch, Duke of	294-295	
Buller and Basset United	449	
Buller, Whl	507, 325	
Burgam, Captain John	259	In charge of Treworlis, East Whl Level. Worked with the present company since it began 2½ years ago. Had been in charge of Great Whl Baddern at Gwennap and Whl Spearne at Falmouth.
Burlington	434	

Slate Works		
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Busy, Great Wheal	238	Had just started work on a new house for a small engine to pump boiler water. See Captain Edward Richards.
Buzza, David	23-24	Aged 60 with 50 years underground. Working at West Caradon on tribute. Had worked at Devon Great Consols.
Bwlch Consols	507	35 men employed.
Bwlch Mine	510	
Bwlch Styllen	507	Lead. 6 men, sinking a shaft.

Cain, Mr Joseph Cowper	369-372, 373, 374	Surveyor for Beaumont's mines for 4½ years.
Calvadnack	3, 104, 193, 196, 197, 914	80 fm deep. Used kibbles.
Calvert, Mr Benjamin	427, 428	In charge - The Nidderdale Mining Co. Been in mines 48 years - 27 as a miner, rest as an agent.
Camborne Vein	198	
Candles	20, 30-31, 118, 120, 149, 155, 162, 164, 173, 174, 176, 190, 193, 197, 206, 210, 214, 221, 228, 249, 250, 253, 257, 262, 272, 274, 295, 315, 324, 331, 339, 355, 378, 405, 408, 412, 425, 438, 446, 449, 465, 466, 472, 477, 481, 494, 500, 501, 506, 513, 517,	118, 120 Palmers patent candles 173 Mr Higgs of Penzance supplied candles 6s 6d to 6s 9d per dozen. 257 from Bristol also 408 (12 to 1 lb) 501 3 lbs Generally 2 lbs of candles per week allowed. Should have cotton wicks, sometimes had bad smelling or soft grease. Candles were made at Old Gang and Surrender.
Candy, John	222-225	The purser in charge of South Frances
Caplecleugh Mine	333	See Mr Thomas Watson.
Cappell, Captain William	250-253	In charge of:- Huel Sithney 60 fms below adit at 16 fms Carnmeal United Mines ditto Sithney Huel Metal 130 fms. All for tin.
Caradon Consols	22-23, 27, 29, 31, 53	60 to 70 fms. See Captain William Rich
Caradon, East	15, 19, 20, 21, 39, 62	90 fms from surface.
Caradon, South	25, 27, 29, 30, 31, 37, 39, 45, 47, 49, 52, 62, 315.	Begun in 1836 for copper.
Caradon, West	25, 31, 32, 33, 36, 39, 44, 46, 49, 50, 52, 53, 55, 63	
Carn Brea	209, 210, 211, 212, 213, 290	208 fms below adit. Man engine to 105 (137 fms from surface) fms. It is proposed to take the man engine to 154 fms in 15 or 18 months. Man engine estimated to give 15% Used skips and wire rope, but used chain on end of rope where it was on underlay. Winding cage 12' 6" diameter with a 12' diameter sheave at shaft top.
Carn Vivian	4	
Carnmeal United Mines	250	Working tin. 60 fms below adit - 16 fms deep.
Carnyorth	157, 174-175	Tin. A new mine? C1852 (Perhaps restarted).
Carr Kettle	296	
Carradon	3	
Carthew, Captain John	174-175	In charge of:- Carnyorth - been there 10 years. Spearne Consols - been there 22 years. St Just United - been there a few months.
Castlenook	317, 319	9 men U/G 10 fms below adit.
Cathole, Little	480	
Caylon Mine	5	Lead
Census	145	

Challoner's Mines, Captain	384	Worked by Mr Attwood, near Guisborough.
Champion, Mr Joseph Broad	429	In charge of Merryfield - worked as a miner for 6 years and was agent at Merryfield for three years.
Changing Houses	3, 4, 5, 8, 10, 15, 19, 29, 31, 33, 37, 48, 50, 73, 105, 125, 153, 164, 215, 331, 346, 429, 422, 455, 464, 466, 472, 488, 492, 518, 522.	
Charlestown Mine	100, 137	Tin
Charlestown United	92, 137, 451	Tin. 160 fms from surface. p.137 Water Jet (description) used at Charlestown United for eight or ten years. Commenced March 1859.
Chenhalls, Alfred	157, 161	Shareholder (1/8th) in Whl Owles, Levant, Botallack, Boscorn As Lord in:- St Just United Bosweddon Bosceen and Bottowal United Carnyorth
Chesterfield	4	
Chicornish Mine	169	
Childs, Christopher (solicitor)	57-61	
Chiverton Mines	525	
Clay Cross	4	
Cleator Moor Iron Co.	305, 307, 309	307, 309 Cleator Moor Iron Mines 64 men employed, of which 60 were u/g.
Clifford Amalgamated, Whl	216	At Gwennap. 216 Clifford United had a double man engine for 18 years. 216 Clifford Consols had ladders 120 fms deep.
Clubs	287, 300, 372, 386, 414, 423, 425	Odd Fellows 287, 300, 386, 423, 425, Rechabite 300 Foresters 386, 423 Free Gardeners 372, 386 Clothing 414.
Clymo, Peter	37-44	Caradon, South - principal manager and a major proprietor. Mary Ann Mine - manager. Worked u/g to age 23.
Coal (Price of)	6	18s 6d delivered at South Phoenix.
Coal Mines	4, 159	159 Collieries.
Coates, Huel	264	
Coates, Thomas	404-406	Aged 53 In charge of Arkindale, Fell End Was in charge of Old Gang until February 1863.
Coatsworth, Mr John	420-422	Manager of Keld Heads Mine.
Cock, Captain Joseph	227-229	Agent at St Day United. Was agent at Tincroft for 2 yrs 3 months.
Cock, Captain William	45-47	At South Caradon, Whl Hooper - a young mine four years old.
Cock, Huel	169	

Coed Mawr Pool Mine	491-493	21 yr lease at 1/10th royalty. Worked by a limited liability co. for 11 or 12 years. Vein varied from 5 or 6 inches to 2 or 3 feet. Was three feet in bottom and gave one ton/fm.
Condurrow, South	205, 208	
Coniston Mine	311, 315, 432	Copper. 150 fms under adit (= 50 fms). Preparing to put in skips.
Cononley Mine	429, 434	Steam engine for winding, crushing and pumping.
Consols, Great	454, 493, 507	At Gwennap. 240 fms deep.
Cook's Kitchen	193, 194, 195, 196, 199	Tin and some copper. 300 fms deep. Single man-engine to 220 fms.
Copper Sales	3, 4, 313	
Couch, Richard Quiller	140-146	Surgeon at various mines in Penzance district for 13 years.
Court Grange Mine	514	
Cow, Huel	170	
Craddock Moor	32, 33, 36, 55, 62, 63, 126	96 fms Considered a 'bad' mine.
Cradge Cliff Mine		Derbyshire - 70fms deep.
Craig, Mr William	431-432	Superintended mines at Hawes and Bainbridge for Wensleydale Mining Co. (431) he was also at Woodhall near Askrigg, and at Kettlewell (3). Connected with mines for 45 years.
Craven Moor	426	40 men U/G. Shaft 56 fms. Worked by present owners for about 8 years = c1855.
Crawhall, Mr Thomas Wilson	338-341	In charge of Rodderhope Fell (1/10 royalty) and Hudgill Burn. His father and uncle were the largest owners in both mines.
Crelake Mine	50, 276, 277	At Tavistock. Air machine fixed to pump rods.
Crinnis, East	95, 100, 101, 102, 128, 465	See Francis Puckie
Crinnis, Great	119	Agent in lat 1830s was John Webb. 128 Old Crinnis
Crinnis, Old	128	
Crinnis, South	100	
Crofty, East	290	
Crofty, North	205, 208, 231	
Crossgates Mine	294, 296	Iron, Cumberland. 296 Old & New Crossgates
Crowndale	126	
Cuba	209	
Curnow, Captain	191-193	Agent 49 Agent of Whl Mary at Lelant

Matthew		160 fms below adit. Had been agent for 16-17 yrs
Curry, Mr William	366-368	In charge of East Allendale for 27 years. 301 men U/G. Deepest shaft 93 fms. Began aged 12 at a blowing m/c for 1 year. Worked as a miner for ten years. Been agent for 27 years.
Cwm Erfin	310	100 men U/G (98 pickmen) 110 including trammers. 32 fms under adit.
Cwm Sebon	510	
Cwmystwyth	502, 503, 509, 510	See Captain James Raw, p.502-504.
Dalton Mining Co.	293	
Darlington, Captain John	664-465	In charge of Minera Mine for 12 years About 355 men U/G. A Cornishman worked as a miner for 20 years. Had been in:- Gwennaps Consols United Mines Skirby East Crinnis Pembroke
Darren, East	504, 514	116 fms deep, pumped by a steam engine. 74 men U/G. About 60 on tutwork.
Darren, Great	512, 513, 514	Lead mine. See Sir Hugh Myddleton and Sir Humphrey Mackworth, p.512
Davey Brothers	149, 167	167 Thomas Davey - gunpowder manufacturers.
Davies, Dr Jesse Conway	484-485	College of Physicians of Edinburgh Served ten years locally and three years in dispensary.
Davis, Mr Edward	470-471	Surgeon of Wrexham
Daw, Captain John	211-213	In charge of:- Carn Brea - 208 fms below adit and man engine. Great South Tolgus - 140 fms from surface. Had been at Grea South Tolgus nearly 6 years.
Daw, Captain John Prout	265-266	In charge of Tywarnhaile (tin) 90 fms below a 45 fm adit.
Daykin, Mr Henry	429-431	U/G agent at Grassington Connected with Grassington and Cononley for 50 years Had been an agent for 11 years Was 11 years at Cononley and 1½ years abroad.
Daykin, Mr Robert	407-409	Began aged 10 . Now 48 had been an agent for 22 years. Agent at Hurst.
Death Club	168, 210, 500	
Dees, James	303-305	Civil Engineer and part owner of the Parkside Mine - as the Parkside Mining Co. with three other people. Had been working between seven and eight years.
Denning, Mr Joseph	356-357	In charge of smelting works. Principal lessee of a mine in Alston Moor.
Dent, Mr George	353-354	Aged 50. Miner at Derwent Mines for 36 years. Come from Yorkshire (Arkendale?) when he was 6 months old = c1812.

Denys, Sir George William	406-407	An AD Lessor with Lord Pomfret and Sir Francis Shuckburgh.
Derbyshire	3, 4	
Derwent Mines	345, 436	
Devereux	480	
Devon and Courtney	131	
Devon Great Consols	8, 24, 138, 320, 355, 436, 443.	Copper. Began c1844. 400 men U/G Plus 450 boys and girls, and 250 men at surface. 212 fms deep and thinking of installing a man engine. See Mr Thomas Morris, p.436-437.
Devon New Consols	452	Nr Ashburton - also called Druid. Temporarily closed in May 1863 for about 4 to 6 weeks past.
Devon Wheal Union	273	A small mine near /tavistock with twelve men in 1862. See Captain Zacharias Williams. Owners - Messrs Taylors.
Devonshire, Duke of	294, 434	
Diet	76, 77, 199, 240-241, 372, 379	
Ding Dong Mine	139	
Dixon, George	308-310	Mining Agent in charge of:- Winder Iron Mine Yeathouse Lessor's agent to:- Goldscope Branlehow Force Crag
Doctors	7, 11, 20, 21, 28, 45, 52, 81-90, 91, 92, 145, 146-148, 150, 155, 160, 164, 168, 173, 176-177, 192, 197, 198, 202, 206, 210, 214, 215, 219, 226, 227, 231, 35, 238, 249, 251, 258-259, 262, 263 266, 272, 274, 275, 277, 281, 300, 304, 305, 307, 308, 311, 317, 321, 326-327, 331, 339, 346, 351-353, 359, 361, 362, 363, 364-366, 377, 386, 393, 401, 403, 417-419, 421, 442, 446, 447, 452, 453, 454, 455-457, 462, 463, 466, 470, 472, 477, 488, 495, 497-498, 500, 506, 508-509, 510-511, 515, 517, 523, 528, 529.	Includes Doctor's Clubs, and Medical Practioners. See also Surgeons William Campbell Arnison, Dr Albert J. Bernays, Mr Thomas Edmundson, Mr John Madgin Fairbridge, Dr Nathaniel John Haydon, Dr Thomas Hughes, Mr John Richard McCollah, Mr William Montgomery, William Page, John Pearce, James Richard Quick, Mr Evan Rowland, Mr Rowland Rowland, Dr James Rumney, Mr John Sparham, Dr John Bateman Wilson.
Doctor's Club	7, 11, 20, 21, 28, 45, 52, 88, 91, 92, 145, 150, 155, 160, 164, 168, 173, 176-177, 192, 197, 198, 202, 206, 210, 214, 215, 219, 226, 227, 231, 35, 238, 249, 251, 258-259, 262, 263 266, 272, 274, 275, 277, 281, 300, 304, 305, 311, 317, 321, 331, 339, 346, 359, 361, 362, 377, 386, 393, 417, 442, 446, 447, 454, 466, 470, 472, 477, 488, 495, 500, 506, 515, 517, 523, 528, 529.	And:- 249 Bamber 339 Oddfellows in Alston Area.
Dolcoath Mine	11, 193, 194, 195, 196, 197, 198, 199, 200, 201, 213, 447, 463, 496	447, 463, 496 Tin and some copper. 300 fms deep. Single man engine to 220 fms Used kibbles running on birch planks to draw 12 cwts/kibble.

		195 Cost of drawing in 1861 was 1s 2d/ton.
Dowgang Mine	341	See Mr Jonathan Walton.
Drakewalls Mine	444, 446	Tin. 120 fms below adit. 445 (19,109) Vein much split u and hard to take a width of 15 or 16 feet some rubbish was taken U/G for stowing.
Dressing	14, 174, 331	174 Tin with acid 331 LCo.
Driveage Costs	4	Slate £5-7/fathom.
Dunston, Robert	67-73, 135-137	Aged 54 Had once managed 13 mines together. Had been in mining for 45 years. Began on the dressing floor aged 9 yrs. Worked for 27 years - 7 yrs at Bodmin Mines, 3 yrs at Tamar Mines, 18 yrs at Fowey Consols. Became an agent for 18 yrs Managed West Caradon for 11 yrs. At Fowey Consols for 18 yrs. Huel Emma (in Devon) to 1862.
Durlo Mine	187	At Towednack
Dust	4	

Eagle Crag Mine	327	Lead mine. An old mine, resumed in 7/1/1861 - four men working.
Eddowes, Mr William	515, 516	Surgeon at Pontesbury since 1835, attends Snailbeach mine.
Eddy, Captain Stephen	435, 519	Went to Grassington c1833.
Eddy, James Ray	434-436	Mineral agent for the Duke of Devonshire at Grassington and Cononley. In charge of Snailbeach, Alport, Burlington Slate Works. Worked with his father in the office from c1845 (a guess) -1850 Civil servant for 3 years 1850-53 At Grassington 10 yrs 1853-63
Edmundson, Mr Thomas	417-419, 421	Medical Practitioner in Leyburn for about 40 yrs.
Edward, Huel		
Elliott, Mr Philip	523-524	Surgeon for Laxey Mine for about 20 yrs.
Emigration	407	407 Emigration from Swaledale
Emma, Huel	135-137	In Devon
Engine Man	27-32	Aged 39. 28 years at mines, starting at age 10. Went U/G at 13 or 14. Now at South Caradon Had worked at Polberro Consols, St Agnes. Had worked at Caradon Consols.
Eston Mines	384, 389, 394	Worked by Bolkow and Vaughan Began in 1851.
Evans, Captain Francis	480-481, 482-483	In charge of:- Bryngwiog (110 men) Longrake Billins (30-40 men) Pentre Devereux Little Cathole At Bryngwiog mines for about 4 yrs. Two mines which had merged. The old mine was working 60-70 yrs ago. Western part was stopped 70 yrs ago. Eastern part was stopped 15 or 20 yrs ago.
Evans, Mr Thomas	500	Of Mona Mine.
Ewart, Mr William	381-384	Surgeon at Middleton in Teesdale employed by LLCo. For 15 yrs.
Exmouth, South	453	Lead mine - a new mine 2 yrs old - a shaft was sunk 16 fms before then. Now 60 fms from surface.

Fairbridge, Mr John Madgin	351-353	Medical man for Derwent Mine for 19 years.
Fallowfield	357	50 pickmen and labourers. Cages with safety catches used. Working at 55 fms but had been deeper. Working for witherite and lead.
Fans	94, 97, 98, 105, 127, 160, 161, 183, 195, 255, 283, 318, 323, 339, 347, 355, 368, 355, 368, 379, 400, 429, 453, 465, 494, 494, 503, 504, 506	Waterwheel powered fan U/G at Polgooth. 10 Ft dia. waterwheel driving U/G fan at Charlestown United at 124 fm level. 116 John Webb used small boys or waterwheels. 368 Byron's & Struves system. 379 Were working in 1842. 400 Windy King (see) 465 Used two boys. 503 Waterwheel powered at Cwmyswyth. 504 Lisburne etc 506 By waterwheel at Lisburne.
Fell End	404	6 men U/G.
Fines (spaled)	34, 49, 55, 70, 134, 162, 167, 307, 393, 490, 496, 518	
Fire Pans	282, 290	See also - Furnace Ventilation
Floyd Mine	510	
Floyd, Captain John	471-474	In charge of Westminster Mine for 20 yrs. A Cornishman from the Marazion - Hayle area. Left Cornwall at 18, 35 years ago - making him 53 years old.
Force Crag	309	
Forest Moor	424	10 men.
Fortune, Huel	249	Tin. 95 fms below adit, 120 fms from surface. Used wire rope. Had skips and kibbles.
Fowey Consols	32, 33, 39, 50, 73, 76, 78, 79, 83, 87, 91, 92, 93, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 315, 518	Had a man engine - 240 fms below adit, put in 15 or 16 years ago = 1846/7. 30 fms from bottom. Another witness said it had worked 8 or 9 years! Agent - Francis Puckie. Owners - Rev. Treffry & Co. Also called Landiscot.
Fowey Consols, West	73, 77, 92, 102, 449	A very small mine in 1862.
Fox, Charles	243-344	
Foxdale Mine	523, 524	100 fms below adit. 214 men U/G
Frances Mine, South	71	
Frances, South	222, 223	Skips fitted in 1857, used for drawing men and ore. Used in Marriott's Shaft with wire rope. Perpendicular to 30 fm level, then at 18" to fm. Journey took two minutes each way - 4 or 5 men per trip. Bottom level is 176 fms below surface.
Frances, West Wheal	3, 193, 194, 196, 199, 200	Tin. 85 fms deep used kibbles.

Frank Mills	453	Lead mine - 100 fms deep. Worked largely by hand getting. Began work (again?) c1853.
Friendship, Huel	6, 273, 355, 432, 439, 440, 441, 442, 443	Yellow copper ore, mundic, some lead and sometimes a little tin. 240 fms deep. Ownerd by Messrs Taylors, had two inclined planes where ore was hailed up in a wagon. The mine also used a skip, but had no steam power, only water. See Captain Zacharias Williams, 273-276.
Frongoch	504	Nearly 103 fms from surface. Pumped by waterwheel, but thinking of a steam engine.

Furnace Ventilation	367, 368, 369, 370, 385, 389	See also - Fire Pans 367 at the end of Plantation Xcut to Henry's Vn. 369 burnt about 3 tons of coal/week. Furnace lit in July 1861. 370 Furnace over shaft at Middlehope Head - lit October 1862.
Gaize, William	4	
Gard, Mr William	446-448	Manager of East Gunnislake, South Bedford, Old Gunnislake
Garland, Mr James	514-515	In charge of East Darren
Garngill Mine	333	See Mr Thomas Watson.
Gas lighting	197, 200, 208	Balleswidden - Lit with gas 197, 200 Gas light 208
Gelley Riern Mine	507	In Cardiganshire - may be Gelleirin. Had 18-20 men.
Georgia Consols	187	At Towednack. Closed by 1862.
Germany	209	
Gill, Dr Railton	342-344	A surgeon of Alston Moor.
Gill, Thomas	252-259	Manager of Great Wheal Vor United (p.257) A tin mine. Was deep, but now (1862) only at 162 fms. Thinking of putting in a man engine when shaft gets to 132 fms.
Goddan, Mr William	278-280	Underground agent at North Wheal Robert for six years.
Goddard, James	438, 484	A working miner with a 1/16th share of Rhiwl Mine. Worked his calls - the last was 20s per share.
Goginan Mine	510	See Paull, Mr William Henry, p.513-514.
Goldscope	309, 310, 317, 320	42 men U/G was copper, but now a lead mine. 72 fms below adit, 90 fms from surface. Kibbles drawn by waterwheel.
Gonamena Mine	24-27	100 fms from surface.
Gongo Mine (Brazil)	249	See Captain Joseph Vivian.
Grambler & St Aubyn Mine	229	84 fm from surface. Copper.
Grassington Mines	423, 424, 429, 434, 435	76 men U/G. Sold some ore as Pottery Ore.
Greenlaws Mine	371, 373	
Greenside Mine	323, 326, 327, 328	Employed 300 men and boys with 150 U/G. Water pumped from 36 fm (below adit) by hydraulic engine. 12-17 oz/ton of silver. Mineral Lords: William Marshall and Mr Howard. Principal parties in Greenside Lead Mining Co. - Mr Head and Mr Jamieson.
Greyside Mine	355-356	See Mr Thomas Ware.
Griffith, Mr Thomas Taylor	468-469	Consulting Surgeon of Wrexham.
Grinton Moor	415	A Crown Mine.
Gunnislake Mine	442, 446	Copper: six men working at Old Gunnislake (p.446) in 1863. 75 fms from surface or 36 fms below adit at deepest now worked. Air pump worked by rods 4 inch by 6 inch pipes.
Gunnislake, East	446	A dryish mine. Had a 9 inch pump working 3½ strokes per minute.
Gunpowder Works	149, 167 173, 197	See Kennall Vale.
Gutta Percha	26, 296, 518	
Gutterby	298, 299	
Gwennap Consols	465	

Haford, East	501	
Hancock, Captain John	260-263	In charge of Polberro (tin) 30 fms below adiy, which is at 60 fms. It is an old mine which had been worked deeper.
Hand getting	139, 349, 399, 401, 413, 429, 453, 483f, 492f	Chisel out centre of lode at Ding Dong p,139 See Rhewl Mine
Harper, Wheal	45-47	Part of South Caradon.
Harrison, Ainslie & Co.	280, 296	See Hosking, Richard for list of iron mines in Cumbria.
Haydon, Dr Nathaniel John	455-457	Doctor for Yarner Mine at Bovey Tracey. Company worked 6 -7 years and got 40 -50 tons. Atlas Mine at Ilsington.
Hebden	432, 433	Nearly 50 men U/G. See Thomas Job (432-434)
Henderson, Mr George	357-358	In charge of Fallowfield. 50 pickmen and labourers.
Henry, Huel	121	Employed about 40 men c1847.
Henwood, Captain Thomas	517-519	In charge of Snailbeach Mine. Deepest level is 440 yards from surface. One 60 inch engine.
Herodsfoot Mine	9, 63	150 fms (vertical 70 fms) Silver-Lead mine. Sinking a vertical shaft at 80 fms.
Hewis, Great	118, 119	John Webb was agent for 7 years c18535-1842. He left when it was abandoned.
Hewitson, Mr William	361	Surgeon at Beaumont's East Allendale Mines for 14 years.
Higgins, Captain William	264-265	Captain of Penhall's Mine - 40 fms under adit. Had worked in Huel Coates and Ward Mine. Aged 40 had been a Captain 18 months.
Higgs, Samuel	176-180	Purser and Superintendant - Providence Mines. Spearne Moor St Just Trelyon Consols North Levant East Margaret
Hill, Mr	301, 305	Iron mine owner (in Cumbria) from Plymouth. Described as the 'late' in October 1862.
Hingston Down	3	
Hollow, Captain William	180-182	At Providence Mines (tin).
Holmbush	129, 130, 131, 132, 320	
Hosking, Mr James	444-446	Underground manager at Drake Walls. Had been at Drake Walls for 8 to 9 years. Had worked at Fowey Consols on Tutwork.
Hosking, Mr Richard	290-291	A Cornishman, he was Manager of: Park, Mousell, Whiteriggs and Newton - all mines belonging to Schneider, Hannay & Co.
Hosking, Mr William	449-452	In charge of West Beam, Tin with some copper. Aged about 50, began at 11. Agent for 14 years. Went U/G at 13. at Birch Tor for 6 years.
Hudgill Burn	338, 340	About 27 men U/G.
Hudshope Head Mine	399	See Jonathan Morton.
Hughes, Dr Thomas	497-498	Of Amlwch. Doctor for Parys and Mona Mines for six years.
Hughes, Mr George	474-477	Mining Agent for the Marquis of Westminster. Small sets let - renewable every year at 20s/ton from first Monday in May. Most small grants have been swallowed up larger ones. Usually 60 yds by 30

		yds = two meers of ground. Miners in other mines often took meers (p.1), from 5-6 up to 40 yds deep.
Hughes, Mr John	516-517	Surgeon, of Worthen, for Gravels and Grit mines.
Hurst Mine	407, 416	67 Pickmen. A few women on surface.
Hutchinson, Thomas	244-245	Registrar of Birth and Deaths.
Hutton Mine	384, 386	Leased from Crown by J.W. Pease & Co. Opened in 1853.
Hydraulic Engines	338, 341, 366, 375	366 Hydraulic power operated cages in a shaft. 375 Hydraulic pumping engine at Little Egglehope (California) Mine.

Inclined Planes	513-514, 439-443.	See Huel Friendship, and Goginan.
Jackson, Mr Stephen	291-293	Manager for Ulverstone Mining Company for 14 years. In charge of:- 291, 294 Lindale Cote Pit - worked out after 25 years. 291, 294 Lindale Eure Pit - owner Joseph Rawlinson. Had been an agent for the Lancaster Banking Company and an irononger and grocer and general merchant.
Jago M.D., James	245-247	Physician and Infirmary and Truro dispensing.
James, Captain Richard	187-190	Managed:- Wheal Margery 120 fms. Trelyon Consols, East Wheal Margaret Aged 43. Worked at Wheal Rose 15 yrs ago. Became a Captain 11-12 years ago. Worked as a miner from 7-31. Hworked in 20 different mines.
James, Captain Silas	130-132	Aged 57 went U/G about 11 Became an agent at 40 at Green Valley lead mine, at Beer Ferris 135 fms. Was sumpman at Great Huel Towan for 9 years.
James, Stephen Harvey	166-170	Purser and manager at Botallock. Brought the mine off the late adventurers in 1835.
Jewell, Joseph	220-222	In charge of:- East Tolgus South Tolgus, 130 fms below adit - copper. West Tolgus Tolcarne
Job, John	520-521	Agent and accountant at Snailbeach for six years,
Job, Mr Thomas	432-434	Manager at Hebden Moor Mine. From Devon, aged 58. Worked as a miner in Wheal Betsy and Friendship. Coniston Copper Mine for six months, c1830. Had inspected mines in Derbyshire and Ireland. Began work at 12. Left Devon c1841.
Johns, Captain William	44-45	West Caradon - connected to South Caradon, and Gova Mora. Worked U/G for 20 years Manager 12 years.
Johnson, Mr Jacob	327-328	Workman at Eagle Crag Mine (working on his own account). Born at Alston Moor, came to Greenside 37 years ago and made the first workmen there (1825). Had worked for LLCo. Was aged 64.
Jones, Samuel	519-520	Miner at Snailbeach for 22 years and four elsewhere.

Keld Heads Mine	420, 421, 422	A pump (driven by a waterwheel) 50 yards from the surface in Keld Head Bottom Lime. Hade been worked by a company working the Settlingstones Mine and stood for 18 years before Tattersall & Co. took it. p.420 Good description of the water blast ventilation system at Keld Heads Mine.
Kelley, Edward	528-529	Nearly 49 years old - a miner.
Kelly Bray Mines	128	
Kendall, Mr Robert	282-285	Manager of Lindale Moor Mine.
Kennall Vale	149, 167 173, 197	Near Penryn - Gunpowder works
Kennedy Brothers	295	
Kettlewell	431, 432	
Kingston, Andrew	63-67	Surgeon at Liskeard - West Caradon and other miners.
Kirkcudbright	24	Copper Mines.
Kitthill Mine	131, 278	
Kitto, Mr John	526-527	Agent at Laxey Mines for a little over two years. Boy on dressing floor aged 10. Worked seven years U/G as a miner. Was agent at Swanpool Mine, 80 fms deep. Worked at Abergowden.
Kitty, Huel	263, 264	At St Agnes, 100 fms below 45 fm adit.
Kitty, Wheal	201, 203, 209	160 fms below 30 fm adit. Used Skips.
Knowles, Mr John	414	Lived in Gunnerside area. Had shares in Arkindale, Old Gang and Beldihill.
Ladders	3, 5, 8, 10, 11, 16, 21-22, 38-39, 107, 148, 194, 227, 250, 255, 346, 427, 449,	10, 11 & 12 inch spacings between treads.
Lambrick, Mr John Henry	269-270	Twelve years as a surgeon.
Landiscot Mine	121	Captain William Petherick 1820-34 Later called Fowey Consols, p.128
Laxey Mine	523, 524, 525, 526	210 fms deep.
Lee, Mr William	395-396, 398	Oreman at Wire Gill Mine.
Lelant Mine	184	
Levant Mine	121, 143, 152	Used a skip. Had a man-engine.
Levant, North	172, 173, 176, 177, 179, 463	Tin, some Copper. 74 fms deep.
Level sizes	3, 4, 9, 16, 27, 36, 232, 265, 282, 319, 330, 358, 360, 385, 416, 420, 466, 474, 495, 513, 528	3 (7' x 6') – old = (5' x 2' or 6' by 2' or 3'), 4, 9 (7' X 5'), 16 (7' high and generally 5' or 6' wide), 27 (6½-7' x 3' to 3½'), 36 (10' high), 232, 265 (about 8' x 5'), 282 (6' x 6' inside timber = iron), 466 at Park (6½' x 7' 3" wide partitioned), 474 (6½' x 3½-4'), 495 (7' x 5'), 495 Gradient 1/8th inch per fathom, 513 (8' x 5'), 528 (7' x 4½'), 319 (7' x 4'), 330 London Lead Co Alston Moor, 358 6' under timber and 4' wide, 360 (6½' x 4'), 385 (Cleveland 6-7' high x 15' wide), 416 (8' x 5 or 6' wide, were 6' high), 420 (6' above rails x 4').
Libraries	372, 380, 388	
Lindale Moor	280, 282, 283, 288, 294, 296	Ironstone, worked by Harrison, Ainslie & Co.

Lindow, John	298-303	Owner of Wood End and, with his brother, Gutterby.
Lisburne, South	501, 504, 506	
Little Eggeshope Mine	375, 395, 397	Or California Had a hydraulic pumping engine.
Llay Eranhen Mine	514	
Llwynmalees Mine	507	46 fms from surface. Suspended for want of water in July 1863. Had 24 miners and used only water power.
London Lead Company	327, 330, 331, 332, 333-337, 374, 378, 381	Brown Gill, Carr Hill, Carrs Bridge, Fletcheras, Gudhamgill, Handy, Hanging Shaw, Longcleugh, Middlecleugh, Rampgill, Scaleburn, Smallcleugh, Tyne Bottom See Mr Thomas Watson, Robert Walton Bainbridge, Mr Tinniswood Millican. All royalties belong to Greenwich Hospital, p.381
Longcleugh Mine	333	See Mr Thomas Watson.
Longrake Mine	475, 480	Flintshire
Lovel, East Wheal	259	
Lovel, Wheal	268	
Lowes, Mr Robert	415	Agent at West Swaledale for 20 years.
Ludcott Mine	63	

Mackworth, Sir Humphrey	512	See Sir Hugh Myddleton, worked Darren Mine.
Maes-y-Safn Mine	477-480, 481, 489	See Captain Joseph Ninnis. llead, with about 210 men U/G. Worked eight hour shifts. 310 yds deep. Men mainly on tutwork. Two steam engines and one waterwheel for pumping. Managed by Mr John Taylor.
Man engines	11, 39, 51, 71, 72, 75, 80, 83, 91, 93, 95, 100, 101, 106, 107 113, 141, 142, 143, 152, 158, 179, 182, 184, 200, 201, 202, 204, 205, 211, 213, 216, 219, 220, 221, 243, 257, 275, 315, 437, 518, 525	213.9294 Details of cost. 220.9636 ditto 257 Using the pump rods proposed at Wheal Vor. See:- Carn Brea Clifford United Cook's Kitchen Devon Great Consols Dolcoath Fowey Consols Great Wheal Vor United Levant Mine Reeth
Margaret, East	176, 179	
Margary, Huel	176, 177, 179, 184, 188	
Maria, Huel	441, 442	
Marke Valley	15, 16, 17	A going mine in 1862. 130 fms from surface.
Marley, Mr John	389-393, 394	Consulting Mining Engineers and manager of Eston Mines for the lessee (Mr William Spencer, Resident Manager) for Bolckow and Vaughan.
Marshall M.P., Mr William	328-329	Joint Lord at Greenside.
Marshall, Wheal	49	
Mary Ann Mine	37-44	Lead. Manager Peter Clymo.
Mary Great Consols	3	At St Neot. Copper and some tin. 80 fms, but not worked below 50 for ten years.
Mary, Wheal	191	In Lelant. 160 fms under adit.
Matthews, Mr Joseph	439-441	Purser connected with Wheal Friendship (copper), Birch Tor (tin), North Wheal Robert (copper and some tine), Wheal Russell. Had been a purser for 40 to 50 years.
McCollah, Mr John Richard	401, 403	Medical Practioner in Reeth area for 28 years.
Merryfield Mine	429	18 men U/G.
Michell, Captain John	229-231	In charge of Grambler and St Aubyn.
Michell, Captain Sampson	467-468	U/G agent at Park Mine and South Minera Mine.
Millican, Mr	330-333	District agent for the London Lead Co.

Tinniswood		
Milner, Mr Ralph	403-404	Director of Whitaside and a shareholder in Summerlodge and Beldihill. Had been a shareholder in Stagsfell under Lord Wharncliffe.

Minera Mine	464, 470, 475	An old Lead/Zinc mine, with no women on the surface. 220 yards deep (110 fms) Ventilated by a Taylor's Duck machine. Very little hand work, mostly by blasting. Head steam and did away with hydraulic engine when great level brought up.
Minera, South	465, 467	
Mitchell, Mr William	315-317	Manager of Coniston Mine. A Cornishman who had worked at Fowey Consols, Par Consols and South Caradon. Left Cornwall when he was 30.
Mona Mine	497, 498, 500	Copper about 60 fms under adit.
Montgomery, Mr William	364-366	Medical Practitioner in West Allendale.
Montgomeryshire	5	
Morcom, Mr Michael	260-263	Purser at Polberro.
Morgan, Reverend James	297	Vicar of Furness Abbey since 1846.
Morpeth, Mr Thomas	349-351	Manager of lower part of Derwent Mines. From area and had worked in mines 54 years.
Morris, Mr Thomas	436-437	Resident Director of Devon Great Consols.
Morton, Jonathan	398-399	Miner for 38 years. Aged 54 years. Off work sick for 22 weeks with chest problems. Worked at Hudshope Head and Steers (Skears?) Mines, p.399
Mousell Mine	285, 289, 290	Iron. Belongs to Schneider, Hannay & Co. 90 men U/G and on surface.
Myddleton, Sir Hugh	512	See Sir Humphrey Mackworth, worked Darren Mine.

Nancarrow, John	190-191	Manager of St Ives Consols. East Treskerby (Chacewater). Was at Great Wheal Busy.
Nance, James	47-49	At Wheal Norris. Had worked at Wheal Uny.
Nankarvis, Captain John	161-163	254 deep. Manager of Levant, tin and copper mine.
Natgrass Mine	341	See Mr Jonathan Walton.
Newbould, Mr Matthew	424-426	In charge of Sunside, Stoney Grooves & Prosperous, Forest Moor and Yorkshire mines. Worked as a miner for one year when he began with his father 45-46 years ago as manager and assistant; took over in 1836.
Newton Mine	285, 289, 290, 294	Iron. Belongs to Schneider, Hanney & Co. 44 men U/G and surface.
Nicholas, Captain James	263-264	In charge Huel Kitty & St Agnes (tin and some copper). 100 fms under the adit (at 45 fms).
Nicholls, Mr Joseph Phillips	453	In charge of Frank Mills and South Exmouth (both lead). Been at Frank Mills for 9-10 years. Began work at 12. Was in Mexico until he was 24. Aged 48 on 23/07/1863.
Nidderdale Mine	427	Nidderdale Mining Co. 6 men in adit. + 2 4's in other places.
Ninnis, Captain Joseph	477-478	Maes-y-Safn Mine Came from Cornwall two years ago. Born in St Agnes Worked a Ginny Man at Perranzabuloe for 10 years. Also at Perran St George.
Normanby Mines	384, 393, 394.	Worked by Bell Brothers of Newcastle. 100 men U/G. Began c1853.
Norris, Wheal	47-49	
North Carolina	473	
Northey, Captain Robert	507	Born in 1818. In charge of Gelley Burn (18-20 men), Bwlch Consols (35 men), Bwlch Styllen (6 men sinking a shaft). Worked in Great Consols for 7 years, East Wheal Rose, Wheal Penrose, Polberro Consols, had also been to America. Had last worked as a miner in Cornwall about 22 years ago, but had been an agent at Allemannera for a short time.

Old Gang Mine	406, 410, 414, 415	See Mr John Knowles (p.414).
Old Hills	285	Iron
Owles, Huel	148, 149, 151, 152, 153, 172, 463	Tin. Working from 1834, but had been worked long before. Was 175 fms deep.

Page, William	91-92	Doctor.
Par Consols	50, 73, 76, 78, 79, 91,92, 93, 102, 103, 104, 105, 106, 107, 108, 109, 110, 315, 463	Near St Austell Had a mam-engine from c1860 (viz. 18 months from April 1862).
Par West Mine	116	See John Webb
Park Mine	285, 287, 288, 289, 290, 291, 294, 295	Iron. 50 fms - shaft with cages. 131 men U/G and 111 on surface. Belongs to Schneider, Hannay & Co. Minerals owned by the Duke of Devonshire.
Park Mine	465, 467	Lead. 45 men U/G. Had an U/G Fan worked by two boys. Having water problems - driving an adit = 1,000 yards long, with around 230 yards to go. 190 yds deep. It was partitioned by a wall for ventilation.
Parkside Mine	303, 307, 309	Parkside Mining Company - four shareholders. Had been working between 7 and 8 years.
Parranzabuloe	477	
Parry, Mr Peter	479	Coroner for Mold District for 47 years.
Parry, Mr Richard Lewis	498-500	Surgeon, of Amlch, at Mona Mine.
Parry, Mr Robert	479-480	A Surgeon, of Mold, for 35 years.
Parys Mine	475, 494, 498, 499	Copper. Deepest point - 124 fms from surface at Gwen Shaft. Present company had worked for 3½ years (= early 1860 or late 1859). Worked by Messrs Taylor & Co. as managers. Had a grant from proprietors Marquis of Anglesey and Lady Dinorben.
Pascoe, Richard	24-27	Agent at Gonamena, had worked five years as a miner and six as an agent. Had worked in the Kirkcudbright mines and Ayrshire.
Pascoes, Captain	322-225	
Pattison, Mr Joseph	396-397	In charge of Little Egglesthorpe - see California. Went U/G aged 14, was 22 years a pickman and 24 an agent.
Paull, Mr Joseph Michell	344	Agent for Greenwich Hospital. Take notes granted to working men – 1200 yds on vein 40 yards on either side. Revenues for hospital had fallen lately because duty had been reduced.
Paull, Mr William Henry	513-514	At the Goginan Mine, Silver/Lead. Had an Inclined Plane.
Payment of Wages	18, 43-44, 108, 150, 155, 170, 176, 178, 190, 198, 199, 209, 230, 258, 272, 277, 281, 286, 289, 295, 299, 304, 309, 313, 324, 338-9, 359, 386, 390, 400, 412, 416, 426, 481, 488, 494, 500, 501, 502, 511, 518f, 520f, 525, 528.	
Peacock, Thomas Bevill	463	Senior Physician of the Consumption Hospital at Victoria Park.

Pearce, John	81-90	Of St Austell, Doctor at the following mines:- Cornubic Crow Hill Cuddra Douglas East Criovis (part) East Poliveor (part) Great Crivvis Par Consols (part) Polgooth West Fowey (part) West Par West Poliveor
Pease, Mr Joseph Whitwell	384-389	Chief shareholder in Upleatham under Lord Zetland. And Hutton under the Crown.
Pedlar's Shaft	32	At Fowey Consols.
Pembroke Mine	95, 100, 465	
Pendeen Consols	164	Boiler Accident in 1861.
Penhall's Mine	264	40 fms under adit.
Pennance Mine	216	At Gwennap. A new mine, sinking a shaft.
Penrose, Wheal	507	
Pentre	480	
Permewan, Mr John	247-248	In charge of several mines under Mr Hutchinson.
Perran St George Mine	477	
Petherick, Captain William	121-124	Aged 58. Worked U/G as a boy in West Cornwall. In 1820 was equal agent at Landiscot Mine – 1834, p.121. 1834 Came to Par (Fowey?) Consols, p.122 Also worked at Tower Consols, p.122. A lead mine in Co. Armagh, p.122 A colliery in Co. Tyrone, p.122 A colliery in Pennsylvania, p.122 Native copper mines on Lake Superior.
Phillips, Captain James	270-273	In charge of Bedford United Mine, near Tavistock. A copper mine - 130 fms deep. I had been at Bedford United for 21 years. I aged 60, began at 12 years.
Phillips, Mr William	323-326, 329	In charge of Greenside Lead Mining Co. - had 14 partners, employed 300 men and boys with 150 U/G. Had managed Greenside for three years. A Cornishman - worked at Wheal Buller and Tresarvean United, and as a miner in Furness.
Phoenix	55	
Phoenix, South	5, 49	Tin/Copper. 166 fm underlayed from surface.
Pike, Robert Hart	209-211	Purser at: Carn Bread, Cooks Kitchen, Huel Kitty (St Agnes), Wendron.
Pinkney, Mr Mart	398	Engineer at Wire Gill Mine.
Plummer, Mr Benjamin	317-320	In charge of Goldscope, Yewthwaite and Castlenook Mines. Had been in Cumberland for six years.

		Was an agent in North Wales. Had worked at Holmbush and Devon Consols in 1848.
Polberro	260, 262, 507	
Polberro Consols	27, 29, 31	At St Agnes
Polgooth	53	At St Austell
Polgooth, Great	118, 119	The first mine managed by John Webb for two years c1833.
Pomfret, Lord	406-407	An AD Lessor with Sir George William Denys and Sir Francis Shuckburgh.
Poor Rates	12, 57, 190, 407, 415, 475, 513	
Pope, Captain James	225-227	In charge of:- Huel Basset, East Basset, 110 fms below adit. South Basset, 75 fms below adit.
Postlethwaite, Mr James	320-323	Born in Cumberland. Connected with the Keswick Mines (Keswick Mining Co.) at Brandley, Thornthwaite, Smeltmelbeck (last two not working).
Powder	173, 183, 192, 197, 206, 210, 214, 221, 249, 262, 272, 278, 355, 408, 425, 438, 449, 465, 466, 477, 481, 494, 500, 506, 513, 517.	£50/ton, p.173 Davey's New Patent Powder, p.278.
Prideaux Mine		Agent = Francis Puckie.
Prosper United	201	
Prosperous Mine	424	With Stoney Grooves - 15 men.
Proto-Industrialisation	210 (9174), 262 (11279), 360 (15,528), 370 (15,970), 372 (16,048), 379 (16,298-16,299), 380, 406, 414, 420, 474 (20,338), 475 (20,353), 480 (20528-20548), 481 (20,552-20581), 524, 529 (23888),	Men as their own adventurers, p.475, 480.
Providence Mines	176, 177, 178, 179, 180, 184	Tin, in Lelant ph. Started c1832 now 170 fms deep.
Prudence, Huel	177	At Hayle.
Puckie, Francis	102-111, 518	A Chief Agent aged 51, born 1811. Began work aged nine at 5s 0d per month. Under Mr Treffry & Co. Worked as a miner at Fowey Consols from 1826 to 1836 when he left to work at St Stephens until moving to Par Consols in 1842. Also worked at West Fowey Consols, Prideaux, and East Crinnis. Fowey Consols 102, 103, 104, 105, 106, 107, 108, 109, 110, 111 Par Consols 102, 103, 104, 105, 106, 107, 108, 109, 110 West Fowey Consols 102 Prideaux 102 East Crinnis 102
Pumps	261	Action of acid water on (and rising mains)
Quick, James Richard	146-148	Doctor in Penzance area - lived at St Just 12-13 yrs and Chacewater 4-5 yrs. 16th annual report of Polytechnic Society - paper on deaths in St Just.

Raw, Captain James	502-504	In charge of Cwmystwyth. Been in mines 41 years in Wales. Brought here by Sir George Alderson as Agent. Worked from eight on the floors and till 21 in Yorkshire. Now aged 63 in August – therefore born 1800.
Raw, Mr Thomas	411-413	Manager at Surrender. Worked as a miner for 17 years.
Rawlinson, Joseph	296-297	Owner of Carr Kettle, Lindale Moor, Old & New Crossgates, Eure Pits.
Redmoor Mine	124-131	Tin and some copper. Near Callington. 125 fms deep,
Reeth, Wheal	141-143, 179, 182, 184	250 fms (tin). Had a single man-engine.
Remfry, Mr Josiah	345-349	In charge of The Derwent Mine, 265 men U/G, and Shildon. Had been in the north upwards of 20 years.
Rheidol Mine	501, 502	Ore brought out by adit. Carried 300 fms by horse (in packs) to dressing floor.
Rhewl Mine	483-484	120 ft deep 6 men, = 2 men per six hour shift with a six hour break. Divided into shares. One share owned by James Goddard, a miner. The rest by men from Liverpool, Staffordshire and Birmingham. Accounts balanced monthly. Water drained in a swallow. No blasting. All handwork.
Rhosemoor Mine	482	See Mr Thomas Roberts.
Rhosesmoor Mine	475, 482	Lead, 120 yds deep, 66 men employed.
Rich, Captain William	22-23	Aged 36 st Caradon Consols.
Richards, Captain Edward	238-239	At Great Wheal Busy
Richards, Captain Thomas	201-205	Prosper United. Treloweth - Double cylinder blowing machine. Wheal Kitty 160 fms below 30 fm adit. Used skips. Trencrom.
Richards, Captain Thomas	3, 5	At Hingston Down and had been at Mary Great Consols.
Richards, John	216-220	In charge of Wheal Clifford Amalgamated at Gwennap, also Pennance at Gwennap - sinking a shaft. Began work U/G at 15. Nearly 70 years old and went U/G regularly at 67.
Richards, Mr James	437-439	Managing agent of Devon Great Consols.
Richards, William	8, 9	West Sharp Tor - a new mine c1850.
Ridge, Captain Richard	501-502	In charge of:- Rheidol Mine – 26 U/G. East Harford – 6 U/G. Was employed in Scotland driving three tunnels in Edinburgh. Had been a miner in Shropshire.
Ridley, Mr John	358-361	Manager of Coalcleugh Mine A native of West Allen.
Roanhead Mine	295	
Robert, North Wheal	278, 439	Yellow Copper Ore, 80 fms deep. Used skips and kibbles.

Roberts, Mr Thomas	482	Owned 1/8th of Rhosemoor Mine.
Robinson, Mr	400	From Richmond, was the owner of Surrender.
Robinson, Mr George A.	415-417	Manager of Crown Mine (415) on Grinton Moor, and Apedale under Lord Bolton.
Rodan, Mr Joseph	344-345	Agent at:- Bentyfield 26 men U/G Grassfield 13 do. Nentsberry Greens 8 do.
Rodderhope Fell	338, 340, 343	Rodderhope Fell Company. About 110 men U/G. Within last two years had begun sinking under the level (c1860) and were down about ten fathoms, but it was very wet. Had two hydraulic engines underground. Vein varied from 14 to 15 inches up to 6 to 8 feet wide. Royalty was 1/7th until recently was 1/10 in 1862.
Roman Gravels Mine	515, 516, 517, 521	60 fms below adit (= 20 fms deep). Company failed 24/25 years ago. Produced Potters Lead and Blende. 84 U/G men.
Roper, Mr Thomas	280-282	Had shares in Harrison, Ainslie and Co. at Lindale Moor and Whitriggs.
Rose, East Wheal	507	
Rose, Wheal		Lead. At Looe Pool near Helston.
Roskear. North	205, 208, 249	Copper, but had lately come to Tin.
Roskear. South	121	Had been closed 10 to 12 years.
Row, Captain Richard	524-526	Manager of Laxey Mine. Was 12 when he started mining. Went U/G at 15? Had been an agent 23 years. Had been agent on the Chiverton Mines.
Rowland, Mr Evan	510-511	Doctor, of Goginan, at:- Goginan 510 Cwm Erfin 510 Cwm Sebon 510 Bron 510 Floyd 510 Bwlch 510
Rowland, Mr Rowland	508-510	Doctor, of Strata Florida. Had been in the area 20 years.
Ruby, Huel	134, 135	Closed c1842.
Rumney, Dr James	326-327	Doctor in the Patterdale area.
Russell, Wheal	439	
Rutter, Captain William	231-234	Managing agent at South Crofty. Had been at South Crofty for 29 years. Putting up a new engine in August 1862.

Safety Catches	222	Bennett's Patent Catch, p.222.
Salmon, Jnr; Alan Backhouse	295-296	Managing clerk for Kennedy Brothers at Roanhead Mine for nearly six years. Prior to that he was a bookseller and stationer.
Sampson, John	32-36	Aged 40. Inspector for Liskeard waterworks. Had been a miner for about 20 years. Started on surface at ten and went U/G at 15, 8 years at Fowey Consols. H11-12 yrs at West Caradon. 1 month at Craddock Moor.
Schneider, Henry William	285-290, 294, 297	Had interests in mines:- Park, Mousell, Newton, Whitriggs and Old Hills Schneider, Hannay & Co. – 290, 296
Schools	193, 194, 206, 236, 281, 284, 287, 295, 301, 305, 325, 327, 329, 339, 360, 372, 373, 376, 379, 386, 388, 414, 417, 421, 425, 448, 451, 477, 506	
Searle, Richard Burford	170-172	Aged 30 began at 21. For 8½ years had been Surgeon at:- Balleswidden Boscean Huel Caw
Seccombe, Captain James	15-22	Aged 54. At East Caradon, Marke Valley.
Seton, West Wheal	3, 193, 194, 195, 196, 199, 200	Copper and some Tin. 160 fms deep and used skips for winding.
Shaft Signals	518	Signal wire. Gutta-percha pipe from surface to landing level (38 yads).
Sharp Tor, West	8	1850-1862 Captain William Richards. Copper - 162 fms deep.
Shuckburgh, Sir Francis	406-407	An AD Lessor with Sir George William Denys and Lord Pomfret.
Sithney Huel Metal	250, 252	Tin. 130 fms deep.
Sithney, Huel	250	Tin. 60 fms below adit = 16 fms from surface.
Skelton Mines	384, 393, 394	Worked by bell Brothers of Newcastle, begun March 1862. Used a cage. 60 men U/G. Access by shaft until late 1862, when a drift was finished.
Skewis, Mr William	276-278	In charge of Crelake – copper and lead for two years, Also Kit Hill.
Skips	11, 19, 71, 72, 93, 100, 101, 152, 154, 184, 194-195, 204, 205, 209, 211, 222, 227, 249. 250, 289, 311, 436, 449, 522	522 – mention of cages. 222 – Cost of skips at South Frances – fixed in 1857. 227 – Skip at St Day United weighed 7 cwts and held about 12 cwts.
Skirby Mine	465	Near Gwennap.
Slime Pits	329	
Smelters	426	
Smith, Dr Robert Angus	457-462	Lived in London. Took air samples for Commission.
Smith, George	234-238	Chairman of West Cornwall Railway.
Snailbeach Mine	434, 436, 515, 516, 517, 519, 520,	Deepest Level – 440 yds from surface. Engines – one 60 inch cylinder plus four others. Six boilers on mine, one to a new engine one in lead works (smelt mill) Smelting works moved from Pontesford in last 12 months. A good deal of lead colic amongst smelters. Tramway from mine to mill. Had been talk of a

Sollars	36, 38, 96, 105, 119, 134, 135, 149, 195, 214, 265, 248, 356, 412, 478	
South Crofty	231	Putting up a new engine in August 1862. Was East Crofty - now N & S Crofty.
Spain	506, 527	
Sparham, Mr John	452, 453	Medical Officer to the District of Ashburton for 18 months.
Spearne Consols	174, 1775	Worked tin. 160 fms from surface. 140 fms from adit
Spearne Moor Mine	172, 176, 177, 179	Tin, some copper. 135 fms deep.
Spearne, Wheal	259	Near Falmouth.
Speed South	187	At Lelant
Spencer, Mr William	389-393, 394	Managed Eston Mines for Bolckow and Vaughan.
St Agnes	209, 210	
St Austell Consols	92, 93, 137	80 fms from surface.
St Day United	227, 228	Agent - Captain Joseph Cock. Head Clerk - Henry Burchett. Used 2 skips and kibbles. Skip was 7 cwts and held 12 cwts.
St Ives Consols	190, 463	Tip and Copper 197 fm deep.
St John del Ray Mine	209	
St Just United	157, 174, 175, 176, 177, 449.	Copper and tin. An old mine, restarted in January 1862.
St Neot	3	
Stagsfell	403-404	See Mr Ralph Milner.
Steam Engine	424, 425, 434	424 U/G at Sunside on a 20 fm sump. See Snailbeach
Steavenson, Mr Addison L.	393-394	In charge of the Normanby and Skelton Mines. Experienced in collieries. Was apprentice to Mr Manley.
Stemples (climbing on)	359, 405, 410, 415, 424	
Stenen, Mr Richard	441-444	Surgeon, resident at Tavistock.
Stevens, Captain William	182-184	Captain and manager of Huel Reeth (tin).
Stonecroft Mine	355-356	See Mr Thomas Ware.
Stoney Groves	424	With Prosperous = 15 men.
Stray Park Mine	3, 193, 194, 195, 196	Copper & tin. 250 fms deep - used skips for winding.
Summer Lodge Mine	399, 403	Begun in October 1861 - 4 men driving a level.
Sunside Mine	424	About 90 men U/G, plus 20-25 on surface. Engine sump 20 fms deep - driven 40 fms east, with drifts at 10 fms driven east and 50 fms west,
Surgeons	63-67, 73-81, 90, 91, 140-146,	Also see Doctors. John Berryman, George William Bevan, Richard

	170-172, 184-187, 239-243, 253-255, 269-270, 342-344, 361, 381-384, 441-444, 468-469, 470-471, 479-480, 485-487, 497, 515, 516, 517, 523-524	Quiller Couch, Mr Edward Davis, Mr William Eddowes, Mr Philip Elliott, Mr William Ewart, Dr Railton Gill, Mr Thomas Taylor Griffith, Mr William Hewitson, Mr John Hughes, Andrew Kingston, Mr John Henry Lambrick, Mr Robert Parry, Richard Burford Searle, Mr Richard Stenen, William Wale Tayler, Mr Philip Vincent, Mr James Wearne, Mr Edward Williams, Mr James Williams
Surrender	399, 400, 401, 411, 413	120 men and boys.
Swab-stick	9	See Blasting, Borers, tamping rods and gunpowder works.
Swainby Mine	384	Worked by Messrs Holdsworth and Bennington. Mine near Stokesley and was leased from Lord Ailesbury and was small in extent.
Swaledale	407	Emigration
Swaledale, West	415	Closed December 1861, but engines still working in March 1863.
Swanpool Mine	526	

Talargoch	475, 479, 480, 487	Lead, silver – 10 to 12 oz/ton or 7 to 8 oz/ton. Some blende and a little copper. About 300 men working. 220 yards to deepest level. Getting ore by tribute and doing year work by tutwork. About half of workforce on either type of contract. Men worked six hour shifts, including 1 hour's travel.
Tamar Consols, South	132	Aka - Kerris Mine.
Tamar Mines	131	
Tamping Rods	149-150	See Blasting, Borers, Swab-stick and gunpowder works.
Tattersall, Mr John	423-424	Lived at West Witton and connected with mines for 18 years. Was connected with Keldheads. Had a principal interest in West Burton.
Tavey Consols	131	
Tavistock	6, 125	
Tavistock United Mines	131	
Taylor, William Wale	73-81	Fellow of the Royal College of Surgeons Licentiate of the college of Physicians of Edinburgh.
Taylor, Captain John	266-268	In charge of Wendron Consols (tin) for about four years. Bottom level at 90 fms.
Taylor, Captain Thomas	124-128	Aged around 30 and began at 11½ yrs old. Had worked at:- Balleswidden Crowndale Redmoor
Taylor, Messrs	350, 436, 494, 499, 501, 504, 505, 511	
Taylor, Mr Francis	410-411	Agent at Old Gang Mine for about 7 years. Had been a miner for 32 years.
Teague, Captain William	213-216	In charge of Tincroft. 190 fms below adit.
Thomas, Charles	193-201, 496	Went U/G aged 13 and became agent at 21 or 22. Manager, aged 48: Dolcoath – Tin & Copper. 300 fms deep – single man engine to 220 fms. Cook's Kitchen – Tin. 260 fms deep – single man engine to 190 fms. Stray Park – Copper & Tin. 250 fms deep – used skips. West Wheal Seton – Copper & Tin 160 fms deep – used skips. West Wheal Frances – Tin. 85 fms deep. Calvadnack – Tin. 80 fms deep. Diet 199, Dr Peacock, 200 Dolcoath 193, 194, 195, 196, 197, 198, 199, 200, 201 Cook's Kitchen 193, 194, 196, 199 Stray Park 3, 194, 195, 196 West Wheal Seton 3, 194, 195, 196, 199, 200 West Wheal Frances 3, 194, 196 Calvadnack 3, 104, 196, 197 Balleswidden – gas light – 197, 200 Camborne Vein 198
Thomas, Joseph Lee	527-528	Manager of Foxdale Mine for five months. Had managed the Linares and Fortuna Mines in Spain.
Thomas, Mr Henry	495, 504-506	A Cornishman, brought up as a tin smelter in Penzance. Had worked mines in Ireland and for London Companies in Cornwall. Former agent at Parys Mine (for 15 months).

		At Aberystwyth Mines for Taylors in 1862. General Superintendent for Taylors. Had been in Spain for Taylors for many years. And at Parys in Anglesey.
Thorpe, Captain Christopher	3, 5.	From Derbyshire 1858-1862.
Tilberthwaite Mine	311, 315	Copper. p.315 At Tilberthwaite air was taken 500 fms using a water blast.
Tincroft Mine	213, 214	190 fms adit. Drawn with a kibble.
Tolcarne Mine	220	
Tolgus, East	220	
Tolgus, Great South	211, 212, 213	140 fms from surface. Wire rope to underlie then chain. Winding cage (drum) = 14 feet dia. 14 ft dia sheave wheel at shaft top.
Tolgus, South	220, 221	
Tolgus, West	220, 221	
Tolvadden Mine	449	
Towan, Great Huel	131	
Trahair, Captain Thomas	153-157	
Trelawny, Wheal	32	Near Liskeard.
Trelogan Mine	479	Flintshire - had coal and lead.
Treloweth	201, 205	Had a double-cylinder blowing machine - 30 inch cylinder and 8 ft stroke.
Trelyon Consols	176, 179, 184, 183.	
Trencrom	201	
Trenow Consols	135	
Tresavean	325, 450, 451	Redruth
Treskerby, East	190-191	Near Chacewater.
Trevelyan, Captain Thomas	9-15	From Camborne. Worked at Dolcoath. Agent for 11 years, manager for three, at Herodsfoot Mine.
Trevenen Mine	121, 449	Tin. Wendron ph. 50 to 60 men ten years ago. 170 fms deep.
Treworlis Mine	259	
Trewren, Captain George	500	Incharge of Mona Mine.
Tribute	17, 23, 24, 32-35, 37, 41, 52, 199, 207, 230	
Trumpet Consols	269	
Truran, Captain John	139-140	Manager at Ding Dong Mine.
Tutwork	17, 32-35, 37, 41, 60, 199, 206, 231	
Tywardreath Mine	101	Near Par Consols.
Tywarnhaile Mine	265	Tin Mine. About 90 fms below a 45 fm adit.

Underlay Shaft	5, 6, 159, 194	
United Mines	463, 465, 507	At Gwennap.
Uny, Wheal	212	At Redruth, near Parish Church.
Upleatham Mine	384, 386, 388	Leased from Lord ZetaInd by J.W. Pease & Co. Opened in 1853?

Ventilating Machines		See also - Blowing Machine. Steam (p.5, 6) 20 inch cylinder.
Vincent, Mr Philip	239-243	Surgeon at several mines.
Vivian, Captain Joseph	249-250	In charge of Huel Fortune for 8 months. Had worked at the Gongo Mine in Brazil for five years. Spent 30 years U/G principally at North Roskear.
Vivian, Captain Joseph	205-209	Aged 70, began at 12. Had charge of North Roskear, North Crofty, South Condurrow.
Vivian, Captain Richard Henry	521-522	Polten lead and blende. In charge of Roman Gravels for 4 years, 8/8/1863. Had worked in Cumberland was an agent with his father at Smittergill Head, near Alston. Also near Hexham, at Esket (Cumberland west) and as an agent in Argyllshire Also worked as a miner for nine years in Cardiganshire. His father was an agent in Cornwall, but he left before he was ten.
Vivian, Mr John	522-523	Aged 28. Son of R.H. Vivian of Roman Gravels. Was familiar with Cardiganshire, Alston Moor and Shropshire.
Vor United, Great Wheal	255, 257	Tin. 162 fms deep was sinking a shaft to 132 fms and proposed fixing platforms to pump rod - as a man engine.

Wadham, Henry	294-295	Agent to the Duke of Buccleuch in for 12 years. Had been a miner and agent at the Forth Iron Works (coal and iron) in Scotland. He was responsible for:- Lindale Moor, Whitriggs, Cross Gates, Lindale Cote, Newton and Eure Pits
Walton, Mr John	372-374	Mine Inspector (WB) under J.C. Cain. Born at Allenheads.
Walton, Mr Jonathan	341	Manager of Dowgang Mine, and Natrass Mine (a temporary thing).
Ware, Mr Thomas	355-356	From Devon. Manager of Stonecroft and Greyside Mines for six years.
Wasley, Captain Matthew	491-493	Head Agent at Coed Mawr Pool Mine. A Cornishman, had worked in the Great Consols at Gwennap.
Water Blasts	8, 32, 93, 96, 104, 119, 137, 172, 212, 224, 269, 288, 310, 312, 315, 331, 334, 368, 379, 395, 396, 415, 420, 429, 438, 489, 493, 495, 501, 526	Water Falls and Water Jets, p.119 are different. The jet was introduced from Northern England four or five years ago = c1857. p.137 Water Jet (description) used at Charlestown United for eight or ten years. p.315 At Tilberthwaite air was taken 500 fms. p.379 Were used in 1842. p.397 Introduced 35-40 years ago = c1822-1827. p.420 Good description of the system at Keld Heads Mine.
Waterproofs	331, 333, 336, 341, 348	
Watson, Mr Thomas	330, 331, 333-337	Underground Agent for the London Lead Co. for 15 years. Did 9 months training, and had been Principal Agent for 18 months. Caplecleugh Mine 333 Garngill Mine 333 Longcleugh Mine 333
Wearne, Mr James	253-255	Mine Surgeon in Helston area for 30 years.
Webb, Captain John	116-121	Aged 56 in April 1862. Worked at dressing from 7 and went U/G at 15. Had been an agent for nearly 30 years and had patented a waterproofed cartridge for blasting powder. Agent at Great Polgooth for two years around 1833, then at Great Hewis for seven years. Now he managed: West Par and East Beam, plus two or three little mines near Camborne.
Wendron	209, 210	
Wendron Consols	266, 267, 268, 463	Tin. Bottom level at 90 fms.
West Burton	423	
West Fowey Consols	102	See Francis Puckie.
West, Mr (William?)	19	An Engineer. Was building a new engine East Caradon with a wrought iron beam.
Westminster Mine	471	Lead. 48 men U/G. 120 fms deep and used a whim engine with kibbles.
Wetgrooves Mines	423	Near Carperby.
Wharnccliffe, Lord	403-404	See Mr Ralph Milner.
Whim	5, 471	
Whitaker, Thomas	529	Clerk at Foxdale Mine for seven years?
Whitaside	399, 400, 403	15 men employed from 1857.
White Grit Mine	515, 516, 517	
Whiteriggs Mine	280, 285, 289, 290, 294	Worked by Harrison, Ainslie & Co. for ironstone. Schneider, Hannay & Co. 74 men U/G and surface.
Wilkin, Mr John	269	In charge of Wheal Bassett & Grylls. About 40 fms deep.

Bryant		
Williams, Captain John	515	In charge of Cwm Erfin Mine
Williams, Captain Zacharias	273-276	In charge of Huel Friendship, Devon Wheal Union. Aged 65 years. Had worked Crenver and Wheal Abraham about 40 yrs before. Had been an agent for 30 years.
Williams, Mr Edward	497-470	Surgeon of Wrexham.
Williams, Mr Edward	465-467	In charge of Park Mines (45 men), South Minera, Wynnstay ining Co.
Williams, Mr James	485-487	Surgeon of Holywell, for 12 years (since 1851).
Williams, Mr John Graham	511-513	Agent for Goggerdan Estate of Mr Pryse Loveden.
Williams, Richard H.	92-95, 137-139	Captain at:- Charlestown United (Tin) 160 fms from surface. St Austell Consols 80 fms from surface. Plus two smaller mines.
Willow Bank Mine	514	
Wilson, Dr John Bateman	307, 308	Doctor to Parkside Mine for 6 or 7 years.
Winder Mine	308, 309	Iron
Wingerworthh	4	
Wire Gill Mine	395, 397, 398	Worked since c1853.
Wire Rope	71, 97, 158, 159, 205, 209, 211, 212, 222, 224, 225, 249, 280, 303, 371, 374, 386, 387, 391, 393, 434-435, 436	158 Trial at Levant cost £500 and was a total. Gone back to flat hempen ropes. 205 Fear of precipitate in copper mines. 222 At Marriot's Shaft 371 With cages at Allenheads. 436 Recently introduced at Devon Great Consols. See Grassington – J.R. Eddy's evidence.
Wiseman, Mr Thomas	432	Was a miner at Kettlewell, now a Manager of Appletreeick Mine.
Women	3, 37, 215, 331, 346, 404, 407, 412, 424, 445, 450, 494, 502, 504, 522, 524	None at Snailbeach. Four at Roman Gravels - usually single.
Wood End Mine	298	
Wood Mine	264	
Worvas Downs Mine	184	
Wyle, Mr Alexander Henry	449	Level in Edinburgh, and inspected mines for the Commission.
Wynnstay Mining Company	465	

Yarner Mine	455	A copper mine at Bovey Tracey which had worked for six or seven years. Deepest level at 40 fms, but sinking to 50 fms. Steam engine recently put up, but only worked when water power was short.
Yeathouse Mine	308, 309	Iron mine.
Yewthwaite Mine	317	4 men U/G.
Yorkshire Mine	424	At Appletreewick. 6 men working.