

these respects in the mines in Devonshire.\* The dwellings of the miners have been often inspected, and their domestic condition ascertained, on this occasion as well as previously.

6th. I have examined and noted the depositions of different parties connected more or less with the mining population. Care was taken that, among the parties belonging to the labouring class, there should be a representation of the different sexes, ages, and employments; at the same time, the individuals were taken indiscriminately, and I believe their testimony was given without deceit or reservation. The patients examined were some of those who presented themselves casually, in the course of a few weeks, for my advice, and their statements are given without selection, in order that a true notion of the usual characters of the ailments of this class may be gained. The other persons examined were selected for their superior knowledge in the different departments of the inquiry.

7th. Elucidation of various particular points was attained by written or personal communications with individuals considered the most likely to furnish the information required.

I will now proceed to state the results of the inquiry with which I have been charged, into the employment of the children and young persons in these mines, following the division of the subject pointed out in the Instructions from the Board.

I.—AGES AND NUMBER OF CHILDREN AND YOUNG PERSONS.

The returns made on the tabular forms give the names, ages, and other particulars respecting 6035 individuals, of whom 1584 males and 535 females are stated to be under 13, and 2331 males and 1585 females to be from 13 to 18 years of age. The returns made to the queries state the numbers employed in certain mines to be, under 13, 1235 males and 550 females, and those between 13 and 18 to be 2229 males and 1364 females. The addition of the children and young persons whose names have been returned on the tabular forms, from certain mines from which no returns to the queries have been made, will raise the totals stated above as deduced from the latter to 1639 males and 696 females under 13—and to 2720 males and 1740 females between 13 and 18. The total number of children and young persons employed in the mines respecting whom returns have been made is therefore 6795, of whom 4359 are males and 2436 females. The number of persons above the age of 18, stated in the returns to the Queries as being employed, is 14,737, being 12,580 males and 2157 females. If to these be added the usual proportion of adults for those mines above mentioned, for which returns have been in the tabular forms, but not to the Queries, the total number of adult males employed in the mines from which returns have been obtained will appear to be about 15,500, and that of the adult females 2700. The following is then a general summary of the results :—

Above 18, or Adults.		13 to 18, or Young Persons.		Under 13, or Children.	
Males.	Females.	Males.	Females.	Males.	Females.
15,500	2700	2720	1740	1639	696

This gives a total of 24,995 persons employed in the mines in question.

The whole mining population in Cornwall has been estimated at from 28,000 to 30,000. That of Devon may be taken at about 1500. Returns have been obtained from all the more important mines, with the exception of four or five. The persons employed in these and in several smaller works, together with the omissions in the returns made, may be calculated to amount to less than one-third.

\* Having resided for five years at Tavistock, in the centre of the most important mining district in Devonshire, and having been for four years physician to the public dispensary in that town, I was familiarly acquainted with the condition of the miners in that neighbourhood. I may take this opportunity of stating that I have not thought it necessary to institute very extensive or very minute inquiries into the particulars of the instruction furnished in the schools in these mining districts; that subject having been recently very thoroughly examined, and most ably reported on, by Mr. Seymour Tremenheere, for the Committee of Council on Education. I shall borrow some of his statements, and make reference to others, both directly and indirectly belonging, to the department which he has treated. On the other hand, the methods of investigation pursued under the present inquiry have procured a great mass of details concerning the actual condition of the mental culture of the children and young persons, constituting a very important Supplement to the earlier Report.

† I must not omit the expression of my strong sense of obligation for the kindness and courtesy with which I was almost everywhere received, and for the ready co-operation lent by the parties above referred to in the furtherance of my inquiries. Many of their names occur in the pages of this Report and of the Evidence connected with it; and I beg to associate all these gentlemen in this general acknowledgment with those magistrates, clergymen, ministers of dissenting congregations, and private individuals, whom I have not thought it well to name in connexion with the statements of facts or opinions contributed by them to this Inquiry.

of the total given above. On the whole, the number of children and young persons employed in the mines of West Devon and Cornwall may be safely taken at from 9000 to 10,000; and of these about 3000 are under 13. It will be remarked that the proportion of females is much larger among the young persons than among the children.

111. There is no reason to suspect any material inaccuracy in the statement of the ages. Time was allowed for application to the parents, and the day of birth was generally ascertained. The returns may be relied on with sufficient confidence as regards the number of the children and females. They are not equally trustworthy with respect to lads of 16 and upwards; those especially who are employed under ground. There has been, it is believed, no intentional concealment on the part of employers; but from their not being commonly accessible during the hours when the entry of the names was convenient to the managers, these boys have probably been often passed by altogether; and more frequently classed with the adults. In other cases, an apprehension was felt among them that the inquiry was likely to lead to some interference with their liberty. This is mentioned especially by Capt. Davis, the manager of the Fowey Consols, in these terms:

I have not a doubt, from the great reluctance displayed amongst the youths in getting their names registered, and answering the several Queries, under an impression that a war is about to take place, and that this step is preparatory to their being called upon " *to go as soldiers*," as they term it, that many at present working *under ground* are returned amongst the *adults*, though under 18 years of age.

In other places, the dread of a forced emigration, "being stationed off," was entertained. Altogether there is reason to believe that the number of *youths* employed under ground in some of the mines from which returns have been made is much greater than is there stated. But this subject will be further alluded to when the nature of their employment is considered.

112. The particulars of the ages and number of the children and young persons employed in each mine, distinguishing its produce, and those who work under ground, are stated in detail in the following tables (see pp. 766 to 770), in which the several mines are arranged geographically, nearly as they follow in succession from west to east.

113. Between the several divisions, some differences will be noticed. The proportion of females, and especially of female children, is materially less in the Western District of Cornwall (Table 11) than in the others. The returns are in this point in accordance with direct observation and inquiry.

114. The existing state of the employment of children and young persons in the mines of the West of England, as inferred from the returns, is that the boys begin to work at the surface between eight and nine, and the girls between nine and ten. Some few commence in each case a year or two before.

115. Females are never employed underground in these mines. A few boys go underground between nine and ten. The number increases with each year afterwards. The proportion of children now employed underground is very different in different mines. A part of this difference is certainly to be attributed to the imperfection of some of the returns; but much of it really exists and arises from the different demand for the labour of children in different mines. The principal employments of children underground are working air-machines, where they are necessary, and wheeling stuff from parts where railroads are not laid down. When therefore a mine is well ventilated, and the work is carrying on in parts from which the stuff can be removed in tram-waggons, there is little occasion for young boys. In other instances all or nearly all the workings are at too great a depth to admit of the serviceable employment of these very young hands. To go under ground is almost always an object of ambition to the children themselves, and the effecting it is often the privilege of those who have more interest than their comrades, as a father or a brother ready to take them into their party. Higher pay and shorter hours of work are the chief inducements to this preference (Evidence, p. 851, 1.21; p. 853, 1. 36).

116. It will be seen that a large number of boys are returned as working at the surface between 9 and 10 years of age, and that this reaches its maximum between 12 and 13: afterwards it gradually lessens, whilst the number employed under ground steadily increases. The girls on the other hand are not very numerous until they are more than 11 years old, and their number goes on increasing till they reach 16, when it remains stationary. The total number of females above 18 years of age is rather greater than that of those below 18.

TABLE 11.—Showing the Number and the Ages of the Children and Young Persons employed in certain Mines.  
Division I.—Cornwall Western District.

		Number, &c., according to the Returns made on the Tabular Forms.																												Ditto, Returns to the Queries.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Mines.	Produce.	7 to 8		8 to 9		9 to 10		10 to 11		11 to 12		12 to 13		13 to 14		14 to 15		15 to 16		16 to 17		17 to 18		Under 13		13 to 18		Above 18, or Adults.		13 to 18, or Young Persons.		Under 13, or Children.		Total employed.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		Males.		Females. Sur- face.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		Under- ground.	Sur- face.																																U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.	U. S.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								



TABLE 12.—Showing the Number and the Ages of the Children and Young Persons Employed in certain Mines.  
Division II.—Cornwall Central District. Part the First.

Mines.	Produce.	Number, &c., according to the Returns made on the Tabular Forms.																												Ditto, Returns to the Queries.														
		7 to 8		8 to 9		9 to 10		10 to 11		11 to 12		12 to 13		13 to 14		14 to 15		15 to 16		16 to 17		17 to 18		Under 13		13 to 18		Above 18, or Adults.	13 to 18, or Young Persons.		Under 13, or Children.	Total employed.												
		Males.		Females.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.		F.	M.		F.												
		Underground.	Surface.		U.	S.	U.	S.	U.	S.	U.	S.	U.	S.	U.	S.	U.	S.	U.	S.	U.	S.	U.	S.	U.	S.	U.		S.	U.		S.	M.	F.										
		Wheal Friendship (St. Hilary.)	Tin and Copper	..	..	..	2	..	2	3	4	..	2	1	4	..	4	..	6	2	5	5	4	6	3	1	14	4	..	22	14	214	45	22	14	14	4	250	63					
Wheal Prosper (St. Hilary.)	Copper and Tin	..	..	..	..	1	..	3	1	4	1	8	..	1	..	5	2	3	2	2	1	..	16	2	..	10	5	184	33	10	6	16	2	210	41									
Wheal Virgin.	Copper	..	..	..	..	3	..	1	3	1	4	2	8	5	1	8	3	6	6	1	2	7	3	1	4	4	1	16	10	11	10	20	184	28	29	24	16	10	229	62				
Trevaskus.	Copper and Tin	..	..	..	1	..	1	..	2	1	2	..	3	1	4	..	2	..	1	2	1	4	1	3	..	9	2	5	5	10	82	30	10	16	9	2	101	42						
Carzize	Tin and Copper	..	..	..	..	3	1	3	..	9	..	5	5	3	3	5	4	..	1	3	1	4	..	5	..	20	6	..	10	19	..	..	..	..	..	..	..							
Wheal Julia	Copper	..	..	..	1	..	..	1	1	..	1	3	..	..	3	..	1	1	1	1	1	2	..	2	4	3	7	4	..	..	10	18	..	..	..	..	..							
Godolphin.	Tin and Copper	..	..	..	..	1	..	7	1	7	2	2	16	4	6	6	5	8	9	8	5	2	5	9	6	5	2	31	7	36	28	17	..	..	..	..	..	..						
Wheal Speed.	Copper	..	..	..	..	4	..	..	4	..	4	2	4	3	3	6	2	4	3	2	12	2	3	1	1	5	10	4	10	8	29	95	19	18	29	10	4	123	42					
British Silver.	Lead and Copper	..	..	..	..	1	1	..	2	2	2	4	1	7	4	..	2	..	1	4	5	4	2	1	3	7	4	8	19	12	93	10	27	12	8	4	128	26						
Duffield.	Copper	..	..	..	1	2	2	..	2	1	2	3	3	..	..	1	2	1	1	..	2	2	2	..	7	6	..	7	7	..	..	..	..	..	..	..	..							
Wheal Vor	Tin (1 m. 6)	..	1	..	12	1	19	4	41	8	39	11	31	10	31	30	1	25	23	130	25	..	10	16	..	3	36	..	144	34	2	99	130	..	..	..	..	..	..					
Great Work.																																												
Wheal Trewavas.																																												
Wheal Lovell.																																												
Wheal Vyvyan	Tin and Copper	..	..	..	1	..	1	..	5	..	2	..	1	1	3	..	4	..	4	2	..	1	1	..	1	..	10	1	..	12	4	..	..	..	..	..	..	..						
North Roskear	Copper and Tin	..	..	1	1	..	1	1	4	..	10	4	1	9	7	1	14	10	..	10	3	..	6	6	..	5	6	..	2	8	1	25	13	1	37	33	320	100	31	33	24	13	378	146
South Roskear	Copper and Tin	..	..	..	1	3	..	5	..	5	2	9	1	6	2	..	3	2	..	2	2	1	..	2	3	..	22	4	..	15	10	120	50	37	14	22	4	179	68					
Dolcoath	Copper and Tin	..	..	..	4	2	17	3	11	9	6	8	1	20	12	4	11	18	10	8	10	11	6	24	11	2	11	9	..	11	2	58	34	45	27	74	404	90	70	74	66	34	534	198
Cook's Kitchen.																																												
East Wheal Crofty	Copper	..	..	..	2	1	5	..	11	2	11	1	4	5	10	3	5	6	6	11	8	7	2	8	7	4	5	6	..	2	4	34	14	29	22	29	586	200	51	30	32	20	669	250
East Wheal Poole.																																												
Tincroft	Tin and Copper	..	1	..	2	..	5	..	8	..	14	..	8	1	12	4	..	8	2	2	7	2	2	5	2	7	2	..	38	1	12	34	10	..	..	..	..	..	..	..	..			
Carnbrea Mines.																																												
Wheal Uny	Tin and Copper	..	..	..	..	..	1	..	3	..	5	..	5	..	5	..	5	..	4	4	..	1	..	2	6	..	9	..	..	16	11	133	5	15	9	10	..	160	14					
Treleigh Consols.	Copper	..	..	..	..	1	1	..	1	..	2	..	3	4	1	7	..	2	11	1	2	7	..	1	10	..	1	9	..	4	8	1	7	44	95	17	7	41	4	13	106	71		
Wheal Ellen.																																												
Wheal Tehidy	Copper	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	1	..	2	2	..	1	1	..	1	..	..	..	..	6	7	..	50	10	13	..	..	..	63	10				
United Hills	Copper	..	..	..	2	..	2	1	1	..	5	3	..	3	7	..	9	..	2	5	1	6	..	1	9	..	11	..	12	10	..	4	40	176	55	26	31	12	19	208	105			
Totals	(1 m. 6.)	..	2	1	26	6	71	16	111	27	132	40	155	79	151	108	149	84	129	122	84	96	67	117	498	168	573	522	2732	712	379	345	237	129	3338	1138								

TABLE 13.—Showing the Number and the Ages of the Children and Young Persons employed in certain Mines.  
Division II.—Cornwall, Central District. Part the Second.

Mines.	Produce.	Number, &c., according to the Returns made on the Tabular Forms.																														Ditto, Returns to the Queries.														
		7 to 8		8 to 9		9 to 10		10 to 11		11 to 12		12 to 13		13 to 14		14 to 15		15 to 16		16 to 17		17 to 18		Under 13		13 to 18		Above 18, or Adults.		13 to 18, or Young Persons.		Under 13, or Children.		Total employed.												
		Males.		Females.	M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.													
		Under ground.	Sur-face.		U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.														
																																	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.
Wheal Buller . . .	Copper . . .	..	..	..	..	..	..	1	..	2	..	5	1	3	6	..	1	5	..	1	2	2	4	1	2	4	..	9	10	5	8	16	22	19	14	16	9	10	115	45						
Wheal Unity Wood . .	Copper and Tin	..	..	1	..	2	..	4	1	2	3	6	4	2	3	6	1	2	2	3	1	8	2	1	8	3	1	6	2	..	9	2	17	15	11	5	33	..	..	..	..	..	..	..		
Wheal Gorland . . .	Copper and Tin	..	..	..	..	2	..	1	..	1	..	1	..	1	..	3	..	2	6	..	..	4	..	1	5	..	1	3	..	1	..	..	4	..	..	..	..	..	..	..	..	..	..			
Poldice . . .	Copper and Tin	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Trethellan . . .	Copper . . .	..	..	..	..	..	..	1	..	1	..	5	2	..	5	3	2	..	5	3	6	11	8	10	11	8	10	16	36	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Tresavean . . .	Copper . . .	..	..	2	2	9	3	1	8	15	17	22	..	14	22	4	23	21	9	12	22	12	12	28	17	7	22	..	58	50	42	68	115	481	143	121	126	72	57	674	326					
West Wheal Jewell . .	Copper and Tin	..	..	..	..	1	..	2	1	..	1	..	2	..	3	..	..	..	..	..	..	..	..	..	..	..	..	4	3	..	3	..	..	100	15	17	..	7	..	124	15					
Grambler and St. Aubin . . .	Copper and Tin	..	..	..	..	1	..	..	..	1	..	1	..	..	3	..	..	..	..	2	..	..	3	..	..	3	..	2	1	..	11	..	..	27	2	17	..	1	..	45	2					
Wheal Jewell . . .	Copper and Tin	..	..	..	..	2	1	..	1	2	4	1	2	3	3	9	1	2	4	3	1	6	1	2	4	1	7	5	..	1	4	11	6	28	6	13	175	35	..	..	6	7	..	..		
United Mines . . .	Copper and Tin	..	..	..	..	5	7	..	8	5	2	20	9	6	17	4	22	17	7	23	7	7	20	14	10	20	8	8	20	8	12	8	52	25	105	37	44	626	182	222	126	62	69	910	371	
Consolidated Mines . .	Copper . . .	..	1	..	2	3	8	2	12	9	2	9	20	3	18	26	5	8	26	10	3	35	13	8	16	9	2	23	7	..	24	5	59	60	44	21	124	954	141	234	152	41	146	1229	439	
Wheal Busy . . .	Copper and Tin	..	..	..	..	..	..	1	..	..	..	1	..	2	1	2	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2	2	3	..	12	12	5	..	2	2	19	14		
Hallenbeagle . . .	Copper . . .	1	..	..	..	2	1	4	2	..	6	5	13	7	3	14	7	1	6	7	3	7	13	..	4	12	1	8	5	..	2	18	12	28	44	5	27	300	50	..	..	..	..	..	..	..
Bissoe Bridge . . .	Tin, Copper, and Lead . . .	..	1	..	1	..	..	7	..	5	1	1	7	2	..	6	6	2	6	2	1	1	2	4	5	2	7	7	5	1	21	3	14	25	17	70	6	38	17	22	3	130	26			
Carnon Consols . . .	Tin . . .	..	..	..	..	..	..	1	..	4	..	7	..	..	4	..	1	2	..	4	1	..	5	1	..	6	..	..	12	..	16	4	..	110	4	26	..	12	..	148	4					
Polberou Consols . .	Tin and Copper	..	..	..	4	..	8	1	6	1	13	2	12	3	3	18	6	3	8	5	3	6	8	1	2	4	5	4	6	1	43	6	15	38	29	136	14	48	28	43	5	227	47			
Great Wheal Charlotte . .	Ditto Ditto	..	..	..	..	..	..	..	..	..	..	1	..	2	..	1	..	3	..	1	3	..	3	..	4	..	..	3	..	1	..	3	13	61	30	3	13	..	1	64	44					
Wheal Betsey . . .	Tin . . .	..	..	..	..	..	..	3	..	..	..	1	..	..	1	3	..	1	1	..	1	..	..	1	..	..	1	..	..	4	..	..	2	7	28	1	2	7	5	..	35	8				
South Towan, Rose Ann, &c. . .	Copper . . .	..	..	2	..	7	..	4	..	4	2	7	6	..	10	..	..	1	2	..	4	..	3	..	..	5	..	24	8	..	11	14	..	..	..	..	..	..	..	..	..	..	..	..		
Wheal Kitty . . .	Tin and Copper	..	..	..	..	3	..	1	1	6	1	7	..	6	6	..	2	3	..	5	6	..	3	..	1	5	..	17	2	..	17	24	98	12	17	24	17	2	132	38						
Wheal Coats . . .	Tin . . .	..	..	..	..	5	..	2	..	3	..	2	1	2	1	5	..	7	3	1	4	1	..	9	3	1	..	10	..	23	13	4	110	7	35	2	10	..	155	9						
Wheal Budnick . . .	Copper, Tin, and Lead . . .	..	..	..	..	8	..	7	2	5	2	3	6	1	5	1	2	5	6	5	3	4	3	3	4	3	1	7	..	23	10	14	17	22	172	21	31	23	23	10	223	54				
Perran Mines . . .	Copper . . .	..	..	1	..	1	..	2	..	3	..	1	..	4	1	1	4	1	3	4	2	4	4	3	1	2	2	4	..	8	..	10	17	9	74	10	36	9	..	..	116	19				
Cornubian . . .	Lead and Silver	..	..	..	..	..	..	1	1	1	3	..	2	3	..	7	1	2	2	4	4	1	1	1	3	..	1	4	1	6	12	9	93	16	22	10	3	1	118	27						
East Wheal Rose . .	Lead and Silver	..	..	4	1	2	4	3	2	8	7	10	5	..	9	7	2	10	5	2	8	9	2	2	4	2	5	2	..	27	19	8	34	27	..	..	..	..	..	..	..	..	..	..		
Friendly Mine Adventurers, Turnavore, and Wheal Pye . . .	Tin . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	28	9	9	5	..	..	37	14						
Totals . . .	..	1	2	..	..	261	880	14	124	28	130	70	115	78	103	105	77	101	47	113	41	53	417	467	362	587	3747	729	897	552	335	313	4495	1502												
		3	1	20	6	63	21	88	35	138	81	158	111	185	116	186	114	182	120	148	118	154	120	470	255	826	587	3747	729	897	552	335	313	4495	1502											



TABLE 14.—Showing the Number and the Ages of the Children and Young Persons employed in certain Mines.  
Division III.—Cornwall Eastern District.

Mines.	Produce.	Number, &c., according to the Returns made on the Tabular Forms.																				Ditto, Returns to the Queries.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		7 to 8		8 to 9		9 to 10		10 to 11		11 to 12		12 to 13		13 to 14		14 to 15		15 to 16		16 to 17		17 to 18		Under 13		13 to 18		Above 18, or Adults.		13 to 18, or Young Persons.		Under 13, or Children		Total employed																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		Males.		Females.	M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Under ground.	Sur-face.		U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.	U. S.	F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Great Wheal Prosper	Tin and China Clay	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Note.—A very complete list of the mines worked in Cornwall in 1836 and 1837, and of the number of persons employed in them, distinguishing men, women, and children, is given in Sir C. Lemon's excellent paper on the statistics of the copper-mines in vol. i. p. 69, of the Journal of the Statistical Society of London. It may be referred to as exhibiting the rapid fluctuations incident to mining adventure; many mines then employing a large number of labourers being now abandoned, whilst others, then in a nascent state, are now flourishing. The total number employed would seem, however, to be much more constant.

TABLE 15.—Showing the Number and the Ages of the Children and Young Persons employed in certain Mines.  
Division IV.—Devonshire.

Mines.	Produce.	Number, &c., according to the Returns made on the Tabular Forms.																												Ditto, Returns to the Queries.										
		7 to 8		8 to 9		9 to 10		10 to 11		11 to 12		12 to 13		13 to 14		14 to 15		15 to 16		16 to 17		17 to 18		Under 13		13 to 18		Above 18, Adults.		13 to 18, or Young Persons.		Under 13, or Children.		Total employed.						
		Males.		Females.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.						
		Under ground.	Sur- face.		U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.						
																																			M.	F.	M.	F.	M.	F.
Wheal Friendship . . .	Copper and Tin . . .	..	..	2	7	1	6	7	7	6	6	14	7	16	10	6	6	19	14	11	7	7	8	4	6	15	33	15	17	54	40	340	30	101	40	48	15	489	85	
Wheal Betsey . . .	Lead . . . . .	..	1	..	..	1	..	4	1	..	12	1	..	3	2	2	7	1	2	4	1	3	4	2	3	..	2	28	5	11	16	4	106	3	27	4	30	5	166	12
Tamar . . . . .	Lead . . . . .	..	..	..	..	..	..	..	..	2	..	5	1	..	7	2	..	4	..	1	..	5	2	1	3	..	7	1	..	18	7	110	7	19	12	6	2	135	21	
Milton Abbott and Lew- trenchard . . . . .	Manganese . . . .	..	..	2	..	..	..	8	1	..	12	5	..	8	4	..	5	4	..	9	8	..	10	7	..	7	7	..	30	10	..	38	33	..	..	..	..	..	..	..
Birch Tor . . . . .	Tin . . . . .	..	..	1	..	1	1	..	..	..	..	1	..	1	2	1	1	1	..	3	1	..	1	..	2	..	3	2	2	5	6	38	1	7	6	3	2	48	9	
Bottle Hill . . . . .	Tin and Copper . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	48	10	11	4	12	..	71	10	
Ashburton Mines . . .	Tin . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	84	8	13	8	4	1	101	15	
Totals . . . . .	..	1	6	14	3	27	4	34	13	36	8	39	16	48	15	43	23	37	18	24	18	118	33	191	90	726	59	178	74	103	25	1010	158							

TABLE 16.—Showing the Number and the Ages of the Children and Young Persons employed in certain Mines.  
Summary of all the Divisions.

Divisions.	Number, &c., according to the Returns made on the Tabular Forms.																														Ditto, Returns to the Queries.															
	7 to 8		8 to 9		9 to 10		10 to 11		11 to 12		12 to 13		13 to 14		14 to 15		15 to 16		16 to 17		17 to 18		Under 13		13 to 18		Above 18, or Adults.		13 to 18, or Young Persons.		Under 13, or Children.		Total employed													
	Males.		Females.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.													
	Under ground.	Sur- face.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.	U. S.	F. S.												
No. 1 (1 at 5)	..	1	..	9	..	2	31	..	5	59	1	13	75	4	19	70	8	22	65	13	41	61	15	31	42	25	48	38	28	42	21	34	39	246	13	184	227	115	2952	173	382	100	289	15	3622	310
2, Part 1 (1 m. 6)	..	2	..	25	6	71	16	110	27	1131	40	8147	79	21	130	108	30	119	84	40	89	122	36	48	96	42	25	117	10	488	168	167	406	522	2732	712	379	345	237	129	3338	1138				
2, Part 2	..	1	..	20	6	2	61	21	8	80	35	14124	81	28	130	111	70	115	116	78	103	114	105	77	120	101	47	118	113	41	120	53	417	255	467	362	587	3747	729	897	552	335	313	4495	1502	
3	..	..	..	8	..	27	2	1	51	8	3	41	24	5	77	32	3	73	46	4	81	55	12	37	57	28	29	48	11	29	55	9	204	66	58	259	261	2423	484	393	293	271	68	3087	845	
4	..	1	..	6	..	2	12	3	..	27	4	6	28	13	9	27	8	8	31	16	20	28	15	6	37	23	14	23	18	12	12	18	17	101	33	60	131	90	726	59	178	74	103	25	1010	158
Totals	1	6	..	..	6	202	15	327	37	399	69	451	124	114	173	192	194	192	227	185	220	128	128	1456	936	1395	1585	12580	2157	2229	1364	1235	550	15542	3953											
	7	2	..	69	12	208	42	342	75	436	162	520	138	538	299	565	283	493	347	412	208	348	344	1554	135	2331	1585	12580	2157	2229	1364	1235	550	15542	3953											

117. From the whole of the evidence collected it appears that the most usual age at which boys go to work at these mines is from 8 to 10, and that they go under ground about 12 very commonly, if they are strong and well grown. It often happens that they do not continue to work regularly under ground at this early age; sometimes from the failure of health and strength, but most commonly from a discontinuance of the particular work in which they were employed. In such cases they usually find work at surface, till a fresh opening occurs for an engagement underground. After the age of 14, a boy who had worked under ground would be very reluctant to return to surface labour.

118. The opinion of the best-informed persons is that children are now employed at the mines at an earlier age than they formerly were (Evidence, p. 851, 1. 30). The more necessitous condition of parents is the cause generally assigned for this change (Evidence, p. 830, 1. 60; p. 831, 1. 9, 55; p. 831, 1. 9, 55; p. 834, 1. 47; p. 848, 1. 34). The increased difficulty of obtaining relief under the New Poor Law has also been mentioned as occasioning a greater necessity for the employment of the younger children (Evidence, p. 823, 1. 64). The introduction of machinery for the performing of particular [sic] operations, previously executed by manual labour, has generally tended to the substitution of younger hands for those before employed. Some details on this subject will be given in the sequel.

## II. HOURS OF WORK.

119. The usual length of the working-day for the surface labourers in these mines is ten hours in summer and about nine in winter. Work begins at seven in the morning in summer, and with daylight in winter, and it concludes at five, half-past five, or six, or when it grows dusk. Half-an-hour, three-quarters, or a whole hour, is allowed for dinner in different districts, and in one instance two hours. A short interval is, in a few cases only, permitted about 10 A.M.

120. The hours of labour are often shortened, when the nature of the work admits of its being done by the piece, by the setting of tasks, which can very commonly be completed two or three hours before the regular time of closing. In some instances the young people continue to work on their own account afterwards, but this is not the most common practice (Evidence, p. 824, 1. 25; p. 833, 1. 10; p. 854, 1. 9, 18).

121. On the other hand, the hours of work are often prolonged until seven or eight in the evening; and in some cases work is begun an hour earlier than usual in the mornings as well. This working at extra hours is commonly required when the ore is about to be prepared and arranged for sale, which is termed "sampling." This occurs in some mines only once in two months, whilst in others it is done twice in the month. In some mines it is the practice to employ a number of extra hands at these times, and these being employed by different mines in succession, there is little or no occasion for working beyond the regular hours. But in other cases, and that in some of the largest mines, where the same hands are almost constantly employed, the larger amount of work must be performed by their increased exertions (Evidence, p. 824, 1. 30; p. 833, 1. 13; p. 845, 1. 1).

122. In these cases the day is sometimes disposed of as follows: A boy or girl, from nine to twelve years old, is obliged to rise at about four o'clock in the morning, gets a hasty breakfast, and after a walk of half an hour or more - three or four miles - reaches the mine at six. Work is continued till twelve, without intermission or refreshment, save what may be got by stealth. Half an hour is then employed in taking dinner. The child then works without interruption till eight; gets home, after repeating the walk of the morning, and may have had supper, and get to bed about ten. It is chiefly the younger children who are called upon to begin their work at six o'clock, the process on which they are engaged being preparatory for the others. According to the statement of some of the children at a great mine in which this system is followed, they are employed in this way during about a third of each month in the summer (Evidence, p. 845, 1. 22; p. 846, 1. 5, 33).

123. In some other mines a system is followed for the performance of an extra quantity of work, which overtasks still more the powers of the child, though it is not imposed on so great a number, nor continued so long. The boys are in these cases employed in preparing the ore for sale, from seven in the morning of one day till two in the afternoon of the following, working through the whole night. (See Evidence, p. 852, 1. 19.) In the former instance (120) the extra time is allowed, and