



RCSEC1949C02_002
© Royal Commonwealth Society

A humes to boat If coal was able to talk it would probably say "I am the king. of all minerals for I can reduce other minerals into dust before me, Through my help they can be so fahioned that they. can be used by man to help him to enjoy the luxuries of life. The great industrial revolution was started by me. It is I who drove the great engines, the ships, and the machinery that made this island so important. It is I who made John Bull the envy of the world. In fact, where would John Bull be without me : I am his very make-up. Itis . clothing is bright and colourful because de provide : anyline dyes. I warm.

HOW COAL WAS FORMED



Many millions of years ago, parts of the earth were covered by large forests growing in or near shallow lakes. Thick masses of fallen trees collected on the floors of the lakes.



At intervals the lakes deepened. The forests were drowned and were covered by sand and silt deposited by rivers.



Beneath these sediments, which eventually hardened into sandstone and shale, the vegetable matter consolidated.



The process was repeated over millions of years: the lakes became shallow again; new forests grew and were in turn drowned and buried.



Thus one by one the coal seams were formed, separated by rocks of different kinds and thicknesses.

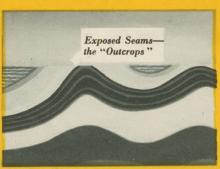
his house, wook his food and give light to his great cities. King boal could go. on telling of his wondrous doings but let us listen to him tell how he was. made, where he make lived, and how he was dug out of the earth and taken on a long journey over land and sea. It may surprise many boys and girls when sould would says that he was. once a beautiful plant living near the. mouth of a wide over which flowed into a blue lagoon many thousands. of years before man ever roaned this. earth. Stow he grow up very quickly into. a giant from surrounded by others of : his bund, and what a happy life it was. at that time for life and growth were.



The rivers continued to deposit sediments until the coal seams were deeply covered. The areas slowly rose and became dry land.



Internal earth pressures and stresses caused folding of the layers of rock.



Erosion—the action of frosts, wind and rain—wore down the higher ground, sometimes leaving the edges of seams exposed as "outcrops".



The continuity of the seams was often broken by "faults" caused by the earth movements.



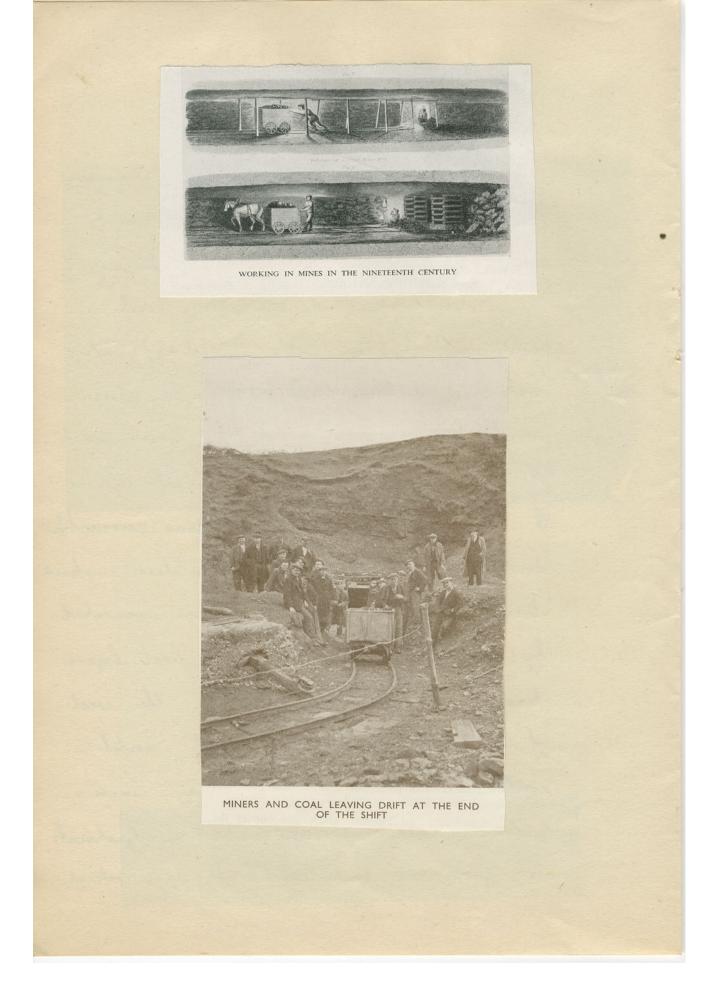
Sometimes the seams were covered again by later rocks, so that there is no evidence of coal at the surface.

so free and easy, boal would say how the land on which he grew slowly but steadily sank, and as it sank the coul never deposited sediment on its sinking shores It was in this marshy land that we giant plants died to form coal beds, for as each generation of plants died it sank into the swamp. Slowly, through the ages one jungle followed another and this, in tuen, would be wested over with a fresh layer of sediment These massive plants became hardened, and were pressed down time and again by the weight of rock above. So that is how coal became the rocky substance we are so families with today. It was a hard time that coal went through before it saw the light of day again



THE MAIN GATEWAY TO THE TAFF VALLEY

The earth's coust was continually changing and part of the decaying fern, now coal. was pushed upwards and exposed to air. bontinuing his life story wal would say a lay with a lot of other coal for many centuries on a steep. mountain side which now forms part of the great Taff stalley in South Wales. I saw the Ancient Britons scramble down its slope chasing the deer which tore by Saler the Romans marched by and it was they who first began tearing parts of us from the crest of the hill, It was not until. centuries later that many men. came with their pucks and shovels to force us out of our safe retreat



RCSEC1949C02_010
© Royal Commonwealth Society

The Head of the Rhondda fach

This area is rich in coal and is going to be developed on a large scale by the National Coal Board.

Cyfaetha dron Works, of David Davies discovering coal deep down in the earth. in the Rhondda Valley, and that coal. had been discovered in Mustralia, New. Zealand; South Africa; India and. Sustralia. I heard the mines talk. of the Boer was as they passed to and for and they gave topical names to distouts where they. worked, such as Spion Rap; Mafekin; himberly; Ladysmith and. thougess' Dip. I heard that a young. gentleman called Mr Winston bhuschill had escaped from the Boets, and I. renrember thinking to myself at the. time that young man well become great one day."

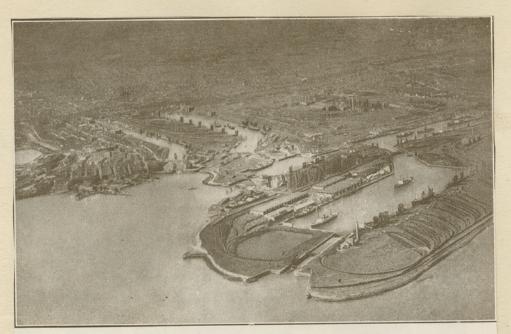


MINING COAL



TREVETHICK'S ENGINE

It was in 1912 (d nemember the year so well because the . miners were talking about the . sinking of the ditanic by a great reberg! that the great piller in which I. stood was cut away. I was thrown into an coor team which was then pulled away to the surface by a. pit - pony. There I was tipped" into. a talling wagon. The engine was. to pull the waggons away from. the colliery whistled, and I thought of hevothic's engine which I had heard so much about when the nuners. were just beginning to cut the wal. which lay around me. We moved away down the great daff valley to.

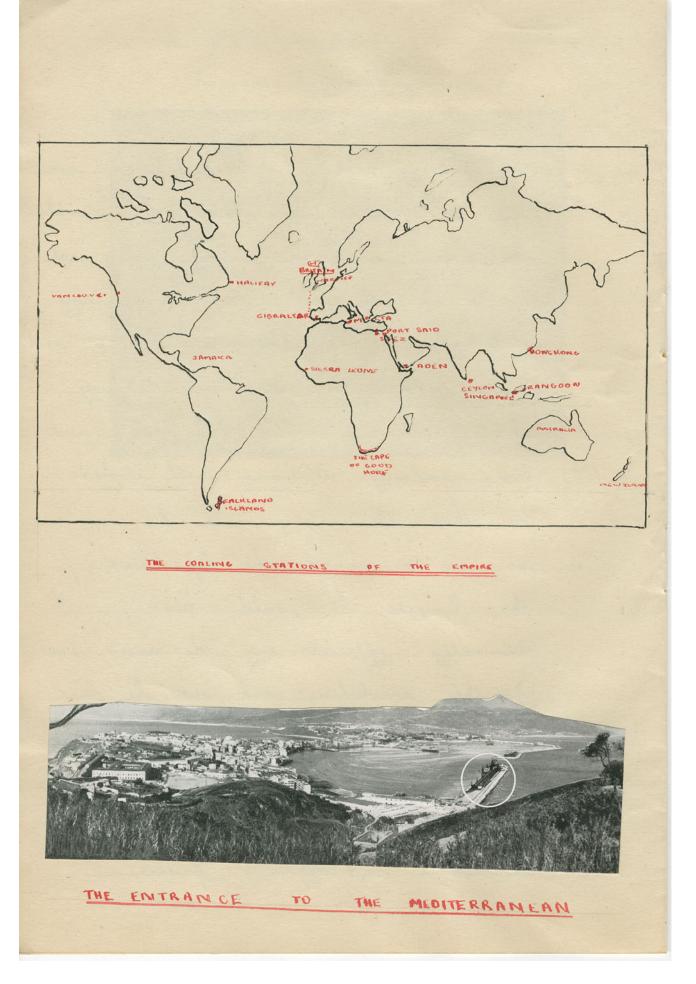


Aerial View of Bute Docks, Cardiff



The steamer inside is discharging from two holds into stock. The outer vessel is bunkering at the same time.

the busy post of bardelf. As we lay in the railway sittings of could hear men say This best Welsh coal is to go at once to the coaling stations of the Empire." It was said that Germany has a powerful navy and Britain must be ready and her coaling stations well stocked so that the navy can be supplied so as to great the life lines of the lupice of could hear . . Idmiralty officials say "do many tous of this surokeless coal must be sent to the coaling stations of the Empire, such as Gibralter; Malta; Port Said; duez; Aden; beylon; Rangoon. dingapore: Hongkong Jamaira;



dierra deone; the lapse of Good Stope; Falkland Islands; Halifax; Vancouver and even Sustralia and Hew Zealand. Then one day the contents of the waggon in which I truvelled was tipped" into the hold of a. ship bound for Gibralter. date one night we left the. dock and the ship sailed down the Bristol Channel. After a storny passage through the Bay of Biscoy we were all glad to see the friendly spanish coast. After a time we approached. the entrance to the Mediterranean Lea and made our way past the Pillars of Hercules which the ancients thought were the end of the world, dittle did of think

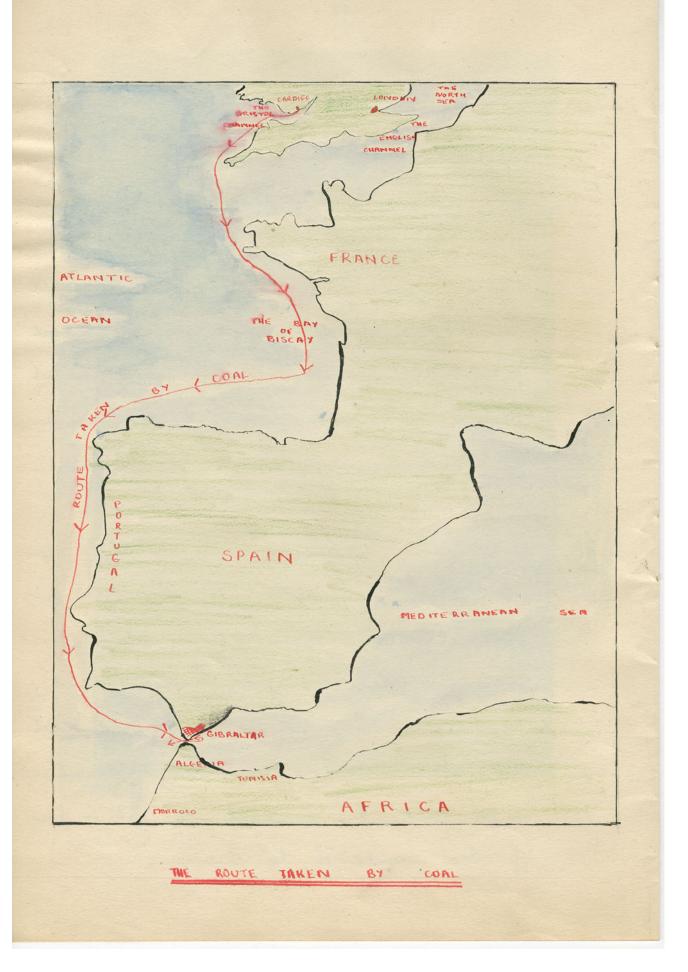
GIBRALTAR





COAL HEAPS ON THE QUAY SIDES

, that under the very sight of these . pellass would I be changed into dust. As we entered the dock we could see the. immense proportions of the Rock of Gibralty. a These it stood, about one thousand five hundred feet high, one end seemingly coming out of the sea, The other end slanting down to. the Spanish Peninsula. Au old walled town. van along this slant with past of it. nestling at various points on the cliff's edge. Our ship was piloted into the dock. which was sheltered under the curtain of. the diff. Soon we were unloaded and. we lay in huge heaps on the guay sides. All around me were many naval. crafts and I wondered to which one of them would I be thrown.



RCSEC1949C02_022
© Royal Commonwealth Society

Iron my point of voutage on a huge coal heap I could see sailors. enjoying themselves on doubeys riding through the narrow streets. These streets. were always crowded with soldiers and. sailors; spanish gials; vecled Moorish. maidens; with turbanned Morrish merchants. and garly robed Mohammedans, with a few fews, scattered among the crowd, with their black skull caps. Right through the Rock were many tunnels in which stood big guns, frowning on the scene. below, but at the same time making. libralter a vital link with the largue. I wish I could have tarried. under the Mediterranean sun longer. But with others of was loaded into.

a large battleship and soon she was steaming out of the harbour. As we passed the "Pillats of Hercules" I was thrown by a griny little stoker into a fresy furnace. This was, I have the end of the world for me.

RCSEC1949C02_024

© Royal Commonwealth Society

3 bhography Published by Olphanis Press Wondesland of Knowledge Published by M. U.T. The distory of Muthyr Lysfil It Geography of Wales by J. Jones Published by Educational Publishing w. bardiff. 4 Wheatons' Modern Geography Edited by Midgly 5 Riddle of the Lands by Insleine Bhilders. by Mark Twain. Innocents Abovad den Wlad by Mhadan - a quarterly yournal issued by the National Development bouncel. 8, The Powell Duffryn and J. L. M. Revue, A magazine puplished in doubt wales whating to the South wales Export Lade. 9 The Wild of Loday by Fawcett and Kitchen 19 Builders of Britain by dord. " The British Empire Buyond the Seas - E. J. Sonold + Soudth 12 The sony Weekend by Joanes to Hodge