quent explorations will reveal their existence in upon Disco Island and upon the Faroe Islands sufficient quantity to justify the establishment of off the coast of Greenland-thus indicating the furnaces for working them.

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enstern and southern sections of the district un-which regions destitute of timber are supplied der review, but along its northern boundary with an easily accessible fuel. terminus of land. This hypothesis is strength-man says: tion is by no means an unwarrantable one, that cha water-proof or vulcanized fabrics; and he has alcongeners of all the ores discovered in Green, land exist in greater or less quantity upon the Thus, when this vast country comes to be established fact.

coal in the Saskatchewan, the Athabasca, Mac-Mountains, from the Gulf of California to the kenzie's River, and Great Bear Lake, that a coal mouth of Mackenzie's River, will ultimately be field of greater extent than any other in the found to contain deposits of this precious metal. northern rim of the North American continent itself is found in great purity and abundance.

wonderful economy of nature, or rather the ex-Iron is of frequent occurrence, not only in the istence of a beneficent Providential design, by

also, and on the Pacific coast, and among the Sir Alexander Mackenzie found bitumen founmountain ranges. Indeed I am tempted to be-tains in the valley of the Athabasca, into which he lieve that a very large proportion of the northern thrust poles twenty feet in length without findpart of the continent will ultimately be found to ing bottom. In Silliman's Journal I find an acbe rich in nearly all of the valuable minerals—the count of a similar lake of pitch, or bitumen, on metalliferous districts terminating only with the Trinidad, one of the West India Islands. Silli-

ened by recent discoveries made in Greenland, It is believed to be a submerged bed of vegetable matwhich country is in reality but a continuation of ter, undergoing slow distillation by volcanic action unthe Western Hemisphere. An Anglo-Danish derneath, This store of bitumen appears to be inex-Company is at this time engaged in carrying on lean steamers plying on the Orinoco River. Mixed with mining operations there, and one of the Com-publics and sand it loakes excellent pavements, and pany's vessels not long since arrived at London ground floors of houses. With ten per cent. of rosin oil having on board valuable specimens of black has purchased a tract of 26 acres of it, and has institulead, plumbago, silver, lead, copper and tin ores, ted experiments to discover, if possible, some means for native silver, lignite and coal. The presump-making it a substitute for India-rubber and gutta per-

continent, also. That some of them do is a well peopled, not only will good soil be found there, but material, in great abundance, for fuel and for But to return from the field of conjecture, I manufacturing purposes. Think of a manufacremark in the next place upon the existence of tory, away up there on Athabasca River, send-

coal in a large portion of the country. Franchere ing down vulcanized fabrics made from these and Gov. Simpson speak of its outcropping at bituminous fountains, and competing with the different places on the Saskatchewan. Lewis India Rubber and gutta percha water-proof and Clark saw bituminous coal between Fort clothing of Horace H. Day & Co., of New York! Clark and the falls of the Missouri River. Cul- Lead has been found in the Cascade Mounbertson also saw coal in the same localities, tains. And the Indians of that region have of-Wyeth saw large quantities of it on the Yellow ten brought into the posts of the Hudson Bay Stone. Gov. Stevens' party found the whole Company platina and silver ore-though they country from the falls of the Missouri westward have never revealed the locality in which they to the mountains, nearly five hundred miles, nu- procure it. Gold has recently been discovered derlaid with lignite. Bonneville speaks of re- at Fort Colville, and men wholly unskilled in gions among the mountains near the head waters the occupation have taken out from ten to twenof the Yellowstone, which abound in anthracite ty dollars per day. Fort Colville is in the Bit'er coal. In fact, coal has been traced along the Root range of mountains, in 48° 45' north lati-47th parallel of latitude for a distance of nearly tude. The discoveries already made indicate ten degrees of longitude, with a southern out-the existence of an extensive gold-bearing recrop, rendering it more than probable, when gion in Washington Territory; and it is not imconsidered in connection with the discoveries of probable, that the entire chain of Western

world exists in the western half of the district | The most extensive systems of salt springs of country included in our subject. Further ev- und lakes abound in this region, in different locaidence is found to support this hypothesis in lities, both within the American and the British the discoveries of coal nearly all around the Possessions, and in some districts the mineral

by the captains of whaling vessels, and by the Considering the vast amount of min rals alhardy explorers who have tempted the Arctic ready discovered, with scarcely any scientific exseas in search of a northwest passage, by the ploration, the hypothesis is by no means an unpresence of both coal and lignite in Greenland, reasonable one, that no portion of the continent