

Ocean - four off the coast of Florida and one off the southern coast of Brazil. He is not uncommon around the Seychelles, in the Indian Ocean, and is found in the Bay of Bengal and around Ceylon. He is encountered throughout East Indian waters, particularly near Java, and is known in the Philippines, on the coasts of Japan, New Guinea and Australia; in Callao harbor, Peru; in the Bay of Panama and the Gulf of Lower California.

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READING REFERENCE - Crowder, William. Dwellers of the Sea and Shore. New York, The Macmillan Co., 1923.

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#### CHEAP BRIQUETS FROM LIGNITE PROMISE NEW FUEL FOR DAKOTAS

That briquets can be made from lignite in a properly built plant for \$7 to \$8 per ton is the estimate of engineers of the U. S. Bureau of Mines made as a result of several years of study by W. W. Odell, fuel engineer of that Bureau.

To make lignite briquets the raw lignite is treated in a new type of retort which was first built by the Bureau at Grand Forks, N.D., in cooperation with the University of North Dakota. Further study in cooperation with Canadian authorities at Bienfait, Canada, has also furnished facts now used as a basis for this estimate.

Such low cost fuel promises great economy in the Dakotas and Montana where the briquets could be used in place of anthracite or bituminous coal, both of which sell at very high prices in these districts. However, the engineers of the Bureau recognize that the rail haul from the Pennsylvania coal fields to much of the northwest territory and all of the central east is so short that lignite cannot compete there successfully with anthracite or soft coal.

The steamers on the Great Lakes which come East with iron ore from Northern Minnesota must go West in ballast unless they carry coal. As a consequence, the west-bound freight rates on coal are little more than the handling charge for loading and unloading the vessels. As a consequence Wisconsin and Minnesota can get coal from the East at a lower cost for transportation than they can get lignite from the western part of the Dakotas where it is proposed that the lignite briquets should be made. There is no expectation, therefore, that these important results on lignite will have a general effect upon fuel prices beyond the territory in Montana, the Dakotas, and perhaps Texas where lignite is abundant and cheap.

One-third of the total solid fuel resources of the United States consists of the lignites of the Northwest. In North Dakota alone the area of lignite lands are estimated to be approximately 32,000 square miles.

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A Kentucky surgeon, who recently received a hurry call to operate on a patient living on a country road impassable for automobiles, made his visit by airplane.

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