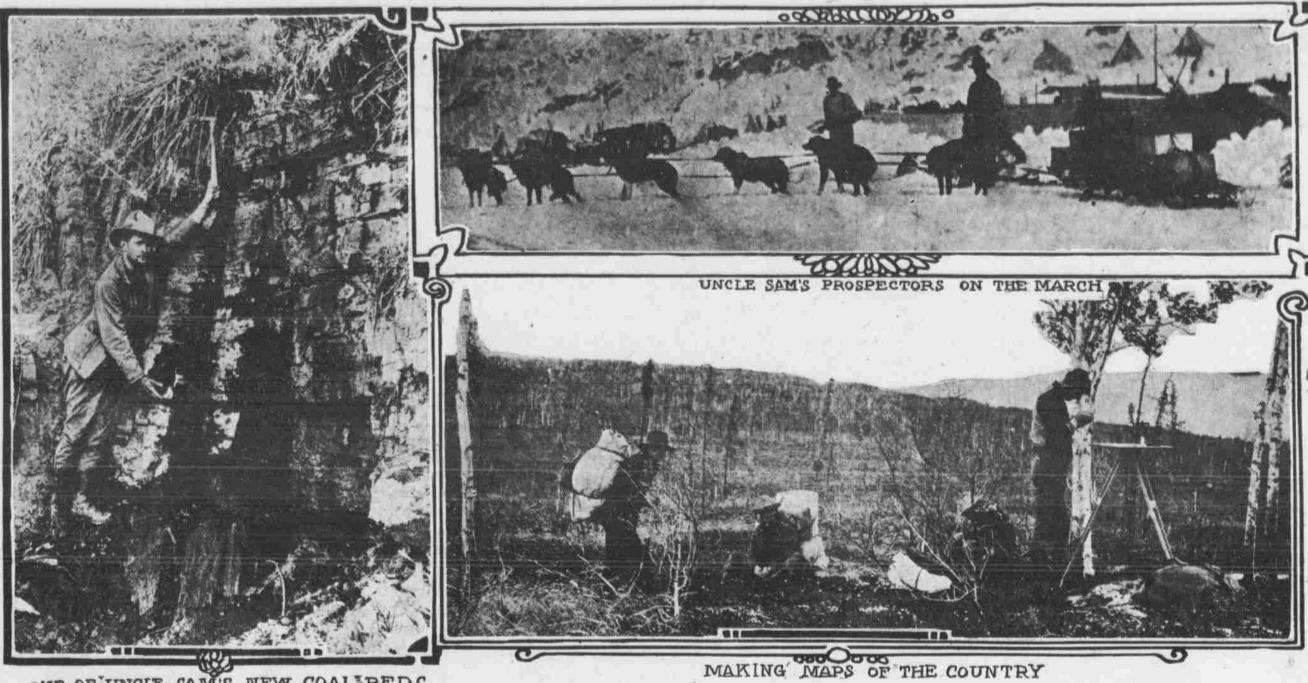
Will Cost \$15,000,000 to Market First Ton of Alaska Coal



ONE OF UNCLE SAM'S NEW COALEBEDS

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ence to The Bee)-I write today of one

ments have paid many thousand per cent. The first It is now worth \$30 and upward per acre and it an- upholding a high plateau between them, with a wide bushels of corn and two hundred and fifty million ranges, which bound the western side of the Rocky knowledge of at least one-fifth of it. bushels of wheat every year and is feeding live stock mountain plateau. North of them is a region of plains valued at over nine hundred millions.

more than sixty times the amount of his original in- inland is bedded on perpetual ice. vestment, and he does not yet know what he owns. It will go up to 1,000 per cent in the future. We paid for it a little more than seven million dollars. We have already taken out over four hundred millions. We got more than the purchase price out of the two or three little seal islands, and the salmon fisheries millions, and by the end of this year we shall have minerals alone.

These are big figures, but they are only pin pricks on the surface of that land of ice and snow. The most of the gold so far taken out has been from placers and there are quartz deposits of incalculable value. Alaska has copper beds which bid fair to flood 'the markets of the world, and its coal veins are estimated to contain billions of tons of black diamonds.

With Uncle Sam's Prospectors.

During the past week I have been looking over the latest government investigations of this mighty property. As soon as it came into our hands Uncle Sam sent his experts to explore it and for the past generation they have been taking it up section by section, climbing the mountains and tramping over the plains and plateaus, making maps of the land and prospecting for mineral wealth.

The greater part of the work has been done by the geological survey, which keeps three divisions of men in the field. One of these, including three parties, is devoted to mapping the country and giving its topography. It is making plans from which you can tains and depth of the valleys. Another division is examining the water powers, and a third, and I should into the minerals and accumulating data as to the coal, aron, copper and gold which the country contains.

The mineral branch of the survey is now under the charge of Dr. Alfred H. Brooks, who has spent more than thirteen years in the work of exploring any other man in the world. He has written a geography and geology of Alaska, and with his scientific assistants has spent about five months every year for the past thirteen years in making explorations, with a view to the mineral wealth. His parties have gone through the wilds on foot and in boats, carrying their canoes from stream to stream, and making long tours during which their baggage has been carried on sleds and drawn by dogs. They have traveled to the head waters of one stream or river, then crossed to the headwaters of another and down that, until they have explored altogether many thousand square miles. It is from talks with Dr. Brooks that I am able to give much of the information contained in this letter.

Alaska From an Aeropiane.

In the first place let us take a flying machine view of Alaska, I have gone over the maps from the geologists, and the country is like nothing I have ever imagined. We shall suppose that we have taken one of Orville Wright's aeroplanes and have sailed across it from the Pacific ocean to the Arctic, and from British Columbia to Siberia in Russia. What a big land it is! Beginning at the southeast on the Pacific, where the land joins British Columbia, and flying straight north, we go almost as far as from New York to Cincinnati before we reach the coast of the Arctic ocean, and from the same point, flying westward, we should go 700 miles before arriving at Bering sea. Roughly speaking, Alaska would make a square with more will not accept the sultan in Constantinopie as Kalif were not as bad can be,"

than 700 miles on each side, and still leave enough ASHINGTON, D. C .- (Specal Correspond- land over to form two states the size of New York.

of the best investments of Uncle Sam, Germany, France and the Spanish peninsula, and if tude of the Allegheny mountains, and it slopes from heat and move the world for fifteen years, and if we Patriarch. Our fatherly relative is a it were lifted up and dropped down on the United there north to the sea. shrewd speculator. He makes millions States proper it would cover all of the states which in real estate, and his chief land invest- border the Atlantic from Maine down to Florida.

Dr. Brooks tells me that Alaska has in general

where the rainfall is scanty. It is not as dry as the great of the coal is of a far lower grade. plains of the Rocky mountain plateau, but so dry are now bringing in over ten million dollars per an- that the vegetation is scrubby and the big trees disnum. The yearly output of gold is close to twenty appear. It is through this region that flow the chief realized more than thirty times its cost from the The Yukon, which runs for 1,500 miles from the Ca- the coal mines of the world are now producing just

Kusko Kwim, which flows through the same plateau were accessible, it would supply the whole world for farther south, comes next. The plateau where it joins 150 years and probably leave much to spare. It is almost as large as the combined area of British Columbia is about as high as the average alti-

Of this rough territory Dr. Brooks tells me that was the Louisiana purchase by which the French sold about the same features as the western half of the only about one-fifth of the whole has been geologically

corresponding to that plateau, and on the other side to the coal fields, which are now attracting so much at- from where the coal could not be carried to any maris a great range of mountains which corresponds to tention in the minds of the people. Dr. Brooks says ket on earth. Another four billion or more lie in the the Rockies, with plains beyond like the great plains there is coal all over Alaska, and that the beds are interior of Alaska, in the plateau region of which The purchase I speak of today is that of Alaska. farther south. The latter are the tundras of the of such an enormous extent that they probably con- I have written, and it is safe to say that it will never Uncle Sam bought it of Russia for less than two cents Arctic slope. They are covered with a thick growth of tain hundreds of billions of tons, and there is no be worth anything except for local consumption. The an acre forty-four years ago. He has already realized moss, which ends at the sea and which for many miles doubt that they contain at the least 15,000,000,000. greater part of the balance, comprising more than The mountains are wooded. Those at the south more or less carefully tested, but it is safe to say that eastern Alaska, near the Pacific coast. These last The land is netting us 400 per cent every year, and have a vegetation as dense as the jungles of tropical at the minimum estimate the coal amounts to 150,- beds are a live working quantity, and they will some countries, and the whole southern slope has a rainfall 000,000,000 tons, and that it may be many times day have a great part in the industry and wealth of to desist. They are far off in the wilderness, howwhich in places aggregate more than 100 inches per that amount. The coal resources are far in excess the world. year. Across the mountains we find an arid region of those of the Appalachians, although a greater part

Would Supply the World for 150 Years.

One hundred and fifty billion tons! The figures rivers which are fed by the snows of the mountains, are large and the mind cannot comprehend them. All nadian boundary to Bering sea, is the largest, and the one billion tons per annum and at this rate, if this coal

If the coal amounts to only fifteen billions it would had it on shipboard or in the markets it would make us rich beyond the dreams of avarice. I have seen the value estimated in billions of dollars. It would be worth that if it could be dumped down a few tons at a time in the chief markets of the world, but as it us a territory two times as large as the state of II- United States. It is compesed of three of four great explored. The geologists have gone over the most ac- lies now the statement makes one think of the words linois. That block of land cost about 3 cents an acre. regions. There are two ranges of mountains cessible and most desirable parts of it and have of the Japanese schoolboy: "It is to laugh." Of the tramped across the other portions, making explora- fifteen billion tons which are the minimum figures of nually yields crops to the amount of thousands of mil- stretch of Arctic plain at the north. The southern tions here and there, so that in general they know the geologists' estimates, about four and one-half lions of dollars. It is producing more than a billion mountains correspond to the Sierra Nevada and other about what the country contains and have specific billions are on the Arctic slope, where it is locked in ice for most of the year. It is beyond ranges of A great part of our conversation today related mountains, which could hardly be crossed, and on seas This can be estimated by the fields which have been six billion tons by conservative estimate, is in south-

Coal at Half a Cent a Ton.

\$50 to \$500 per acre.

and should be kept one hundred years, they would the United States would be on the ground first. have to yield a big amount of coal to pay the interest charges. I have had one of the financiers figuring upon the possibilities.

He says that at \$10 an acre the investment in per cent would make every acre there cost \$2,634, not counting the taxes. Now, if the investment were \$100,-000 instead of \$10 the interest charges and principal in 100 years would amount to the enormous sum of \$26,340,000. You must also remember that the coal has to be still gotten out of the earth, and that you cannot be absolutely sure as to just what is under the ground. In all this we have left out the question of taxes, which would go up as the other coal mines nearby were developed, so that there is great

The Market for Coal.

discussed. Neither is far from the sea, and the Gug- coal beds will not have to fight for the market. genheims have already built a railroad which is not they will yield from 10,000 to 100,000 tons to the plied from the mines of both places. languages at the university in Vienna, chieftains who are the leaders of the war are, there- acre. The Matanuska field is not much farther away, and it is probable that there are other fields in the ment in that country until the coal fields are opened. immediate vicinity. This coal could be made quickly Railroads are impossible at the high coal rates of available, and it would command a good price in the today, and all industry is lagging there for cheap fuel.

coal trade of the Pacific is now largely monopolized only be supplied by organized capital. Dr. Brooks by the British, who are working valuable mines on estimates that the first ton of coal shipped out of the Vancouver Island, from which they supply Puget Bering field will have cost at least \$15,000,000 by the sound, San Francisco and other places. The Van- time it is on the way to the consumer, and that from couver coal delivered at tidewater sells for as high then on, the cost will fall until it is somewhere near as \$4.50 a ton and is sold at wholesale in Seattle at the five or ten dollars which the people will pay. I \$5. In California coal is now bringing from \$6 to have no sympathy with the Guggenheim gobblers, but \$18 a ton, and on the Pacific sesboard of Alaska the the individual miner can do nothing alone, and the retail prices run from \$8 to \$15 per ton. At Nome government will have to adopt regulations that will one's thirst with that water. And yet it would be an are opened. Just at present there are some lignite a material change in Uncle Sam's plans remains to "The secret of this war in Yemen is that the Arabs easy matter to pacify the Arabs if the system itself fields being worked on the Seward peninsula. This be seen, is contrary to law, and the miners have been warned



ever, and the warnings are not heeded. In view of the present talk of a possible war with

In my talk with Dr. Brooks I asked him as to Japan, the Bering river coal beds assume great imthe government values of these lands. He replied portance as a supply point of the ships of our navy. that all are now withheld from sale, pending the In such an event much of our coal would have to be government investigation and the trouble concern- shipped by rail across the continent or be carried ing the titles, and that he had estimated their value about through the Strait of Magellan to San Francisco. at a half a cent a ton in the ground. This seems In the latter case it is estimated that at least oneridiculously low, but even at this rate he says the fifth of every cargo brought would be used up in lands near the Pacific coast would be worth from steaming that distance, and this would be in addition to the cost of the coal itself. The freight rates by I here ventured a suggestion that if Pierpont rail would be enormous. The Bering river coal beds Morgan or one of the Guggenheims wished to per- are about 1,200 miles by water from Puget sound, and petuate his wealth he might invest \$100,000 in such they are not far from the excellent harbor of Cordova lands with the understanding that they were to be bay. They might be defended by some of the great mined only by his great-great-grandchildren one hun- ships of our navy, or Japan might rush there with a part of her fleet and capture the coal supplies. All "It would seem so," replied Dr. Brooks, "but we she would need to do would be to take about twentyhave had a discussion concerning prospective values five miles of railroad material along, and extend that makes that matter a very questionable one. Even the present Guggenheim line to the beds. Such a if the lands could be bought at \$10 an acre, which possibility is probably well known to the war dehas been the law as to the public coal lands of Alaska, partments of both nations, and it is safe to say that

Coal Versus Petroleum.

At present the oil fields of California are competing largely for the fuel trade in the markets of the Pacific. Many of the steamers are now using oil, and oil is largely employed on the railroads. It is sold for fuel in all the Pacific coast states and territories, and its use increases each year. In 1908 the oil consumed was equal to 12,000,000 tons of coal, whereas the coal alone was considerably less than half that.

This is a factor that must be considered in connection with the Alaskan coal when it comes into the market, and another factor is the coal that will come through the Panama canal. Dr. Brooks has figures which show that when the canal is completed eastern coal can be landed in San Francisco at \$4.60 a ton. doubt as to the advisability of a century holding of This means putting it on the ship at the Atlantic coast ports at a cost of \$2 per ton, paying a freight of \$2 and a canal tollage of about 45 cents. He says I went with Dr. Brooks over the maps of his re- also that it is estimated that it will cost about \$4.50 cent explorations and took a look at the Bering a ton to put the Alaskan coal ino San Francisco. So river and Matanuska coal fields, which are now being you see it is quite a question whether the Alaskan

For the same reason the Panama canal will affect more than twenty-five miles or so from the Bering the coal trade of the states along the west coast of river beds. The coal of this region is excellent, vary- South America. Those countries can be supplied from ing from anthracite to valuable semi-bituminous. The Alaska, but the canal will make them accessible to beds cover something like forty square miles, and our Atlantic coal fields and they will probably be sup-

As to Alaska itself, there can be little develop-It will take a big sum of money to construct the In talking with Dr. Brooks I was told that the railroads and open the mines, and this money can

FRANK G. CARPENTER.

Plum Pudding by the Ton

land that show it to be growing in goodly fashion. It seems the manufacture of

establishments.

war. In the opening days of that struggle the Yule- pared by machinery. tide season increased the natural solicitude for the

by concentrating general interest in the pudding eign consumption. added immensely to its popularity, and especially as

Manufacturers begin active operations as soon as its virtues for a year or more.

ONSULAR reports give some particulars the new crops of raisins, currents and other required of the plum pudding industry in Eng- fruits appear in September. All the constituents of plum pudding, which do not include plums, are preplum pudding in England is mainly con- pared and manipulated by elaborate and expensive fined to London and is carried on by all machinery. Currants are washed and stems removed, the principal bakeries, delicatessen and other such raisins are stoned, nuts are shelled and ground, oranges and lemons are peeled, the peel candied and The industry was greatly boomed by the Boer cut up, eggs are beaten and all other ingredients pre-

Exclusive of milk and rum the ingredients used fathers and sons and husbands in faraway Africa, by a single manufacturer in supplying plum pudding 100 years by annually compounding the interest at 5 and the plum pudding was requisitioned in large to meet the demands of the Christmas season of 1910 quantities to express the feeling at home and carry aggregated 620,140 pounds, the number of puddings tell all the hills and hollows, the height of the moun- at least a spark of Christmas cheer to enliven the furnished aggregating 250,000. There are three or four other London manufacturers, each of whose out-Thousands of pounds of plum pudding were sent put perhaps equalled that described, and there are say, the most important of all, is composed of a dozen out, but the demand was far in excess of the supply, quite a large number of smaller establishments in different companies of geologists, who are looking a fact which gave greater urgency to the demand and which plum pudding was supplied for home and for-

The pudding is put up in packages weighing one the soldier called loudly for more. The result is that to five pounds each and securely packed to insure today the bulk of plum pudding consumed in the preservation and safe transportation. Properly pre-United Kingdom is supplied by public purveyors and pared and packed the plum pudding of England, with Alaska, and who knows more about the country than hundreds of thousands of pounds are shipped abroad. ordinary care on the part of the housewife, will retain

Bedouins Not Friends of Turks



in Yemen, are, therefore, interesting. more value. The desert governs the Bedouin-not the for the wants of a greater force.

ROF. ALOIS MUSIL, lecturer in Semitic and a descendant of Mahomet, and the two Arabian has for sixteen years lived among the fore, fighting a 'holy war.' In these circumstances Bedouins practically as a native, and he the Turkish campaign is hopeless. The Turkish troops is considered one of the greatest authori- are bound to pass a mountain range of 8,400 feet beties upon the Arabian question. His, fore they can reach the two chiefs, and in the winter market. views upon the situation and the revolt months it is bitterly cold there. Further, the Turkish officers do not know the country, and are not in "If you ask me," said the professor to me, "how possession of even a map. The wells are digtant from much the Bedouin cares for a Turkish parliament, my one another. The cases are the only hope of the answer must be that a good camel is considered of troops, but in the long run they will be insufficient

Turkish officials. Therefore, the campaign in the "Over and over again the Bedouins will attack the desert will be the ruin of the Turk. This is sure to Turkish troops, rob them of their provisions and discome true in Yemen, in spite of the fact that the Turk- appear. They will poison the wells by throwing a

ish government has 40,000 men there. How many of camel cargo of dead grasshoppers into them. I know coal is selling for from \$18 to \$25, and these prices enable capital to develop the beds at a reasonable those troops can be trusted? They desert the army myself the terrible poisoning which follows quenching will probably continue until the Alaskan coal fields profit. Whether this can be accomplished without