THE MINERAL WEALTH OF THE UNITED STATES

The following from Munsey's Magazine should fur- out any considerable increase in cost. nish matter for thought to those who desire to promote

mineral development in Nova Scotia,

The United States holds first place as a mining and of manufactures-coal, iron, copper, and lead. In the before-owing, presumably, to the use of slightly loweralone rivals us in petroleum.

been used as sources of energy for various manufactursumes is drawn from our coal-deposits.

arts upon steam-power, for the near future, at least it seems likely to increase rather than decrease. Except those afforded by the iron ores of the country. so far as the mauufacturing of this country can avail it-

bution of coal supplies.

States is already first among the nations as regards the lous metals are concerned. amount of water-power utilized in industry. It is pro-Great Lakes. It is remarkable that this section should million-dollar line is likely to be passed for the first time. be so well supplied with the two important sources of part of the world. Such an assemblage of power-giving duct is now much less than formerly. conditions insures to this country very singular industrial advantages.

Next in importance to these great natural sources of energy must be ranked the country's stores of iron ore. These are remarkable in quantity, at least in the eastern half of the continent, with reference to the fuel required for the conversion of the ore to the metallic state.

The supplies of iron ore on which the furnaces of Europe depend are, at many points, approaching exhaustion; and it is probable that civilization's increasing demand for iron and steel cannot be met, in the Old World, without a considerable addition to the cost of

the product. On the other hand, it is calculated that in the United States the output might be quadrupled with-

The year 1909 took its place among those of greater activity in the production at iron ore. About fifty-three million tons of it were mined-an increase of nearly mineral producing nation. We are preeminent in our twenty million tons over 1908. It required 2.11 tons of output of four of the great minerals which are the basis ore to make one of pig fron-a larger amount than ever production of gold we are cutranked only by South grade ores. The value of the pig iron produced was Africa, and in that of silver only by Mexico. Russia \$437,101,382. Though commonly reckoned as the basest metal, iron, it will be seen, is the most precious of Although water-power and wind-power have long all metallic substances that this country possesses.

Next to iron, the most valuable of our under-earth ing purposes, and though they have been made far more assets is copper. With the modern extension of the available in modern times, largely through the skill of use of electricity, the demand for t is metalhas increased American inventors, yet the range of their application enormously. The copper-bearing deposits of the United is limited, while that obtained from coal fits almost all States are very extensive and extraordinerity rich, conthe needs of the arts. It is mainly on account of its taining larger available supplies than any part of the applicability to all sorts of conditions that the steam en- Old World. The production of copper refined from ores gine has become the great agent of civilization; and in found in the United States was, last year, 1, 098 000,000 this country, practically the whole of the fuel that it con- pounds. For the same period the output of Mexico was only 126,000,000 pounds and that of Canada 48,000,000 The prosperity of peoples is largely determined by pounds. As a whole, the copper-bearing rocks of the their access to coal. Great as is the dependence of the United States, owing to their great extent and richness, give promise of affording mining values second only to

Our production of lead in 1909 exceeded the highest self of water-power, the development of our technical figure previously on record; it amounted to 374,000 tons. industries seems likely to depend mainly on the distri- Our production of zinc was 276,096 tons. ed valued of these two metals was about five millions We are fortunate indeed to be in possession of dollars. Gold and silver, the so-called "precious" metalmost unlinited deposits of this vival mineral, lying in als-althought as a matter of fact, they are of less econpositions which make it easy to mine, and readily ac- omic value to man, at least in the technical arts, than cessible to the places where it is naturally demanded. most of those already mentioned-occur plentifully not-Appalachian coal-field is the largest and richest area ably in the mountain region of the far west. Although of such deposits known in the world. It is doubtful if this field has been for many years, the seat of untiring it is equaled in extent, or in the quality of its product, search on the part of prospectors, the swift successive by the great field in China, which alone can vie with it discoveries indicate that its mineral resources are as yet There were produced in the United States last year, most imperfectly known. The goldof Alaska is aiready of both bituminous and anthracite coal, 437,176,241 tous, becoming an important factor in the world's supply. Notwithstanding the present supremacy of coal, the Competent authority does not deem it unlikely that a energy derived from streams is of vast and ever-increas- thorough exploration of a great nothern possession may ing value to the people of this country, The United double the resources of our country, as far as the prec-

Last year production in gold is estimated to have bable that, measured in horse-power or by manufact- been \$90,000,000, -a gain of \$4,500,000 over our outured product, the energy derived from the streams of put in 1908. The two leading States were California this country is more valuable to man than those of all and Colorado, each producing about one-fifth of the toother lands put togother. The valuable water-powers tal, while Nevada contributed nearly \$15,000,000. of this country are in the main limited to the region east. These figures are given by the Geological survey, which o the Mississippi and south of the St. Lawrence and the adds the statement that in the year 1910 the hundred-

The same authority states our output of siiver, for energy-water-powers and fossil fuel. To these resour- 1909 at 53,849,000 ounces-an increase of 1,400,000 ces, however, must be added the stores of petroleum ounces over 1908. Owing to the great decline in the and for burnable rock-gases, which are here contained price of silver, which sold during the year at an average in larger quantity and over a wider field than in any of fifty-two cents an ounce, the value of our silver pro-

> One item from Alabama tells of an explosion that killed 41 men. The next one tells of a shortage of laborsays 1,000 men could find employment. Is it a case of cause and effect? We fancy so, to some extent at least. The accidents have gained such notoriety that labor fights shy of the coal mines. Competitive bidding with other lines of employment is the only way to get more men. Coal is going to cost more and must sell for more. It is worth more money-far more money-than the average price of the past ten years