

Remarkable Story of a Boy Who Detects Veins of Metal or Water.

POWER UTILIZATION ON THE SEA.

What an English Newspaper Thought of Railroads in 1835.

GLYCERINE IN STEEL MANUFACTURE.

PREPARED FOR THE DISPATCH.

The magnetic needle has long been considered a reliable medium for divining the location of veins containing ironstone or other similar deposits, and in the course of some experiments recently conducted by Prof. Kucker and Thorpe and other eminent scientists, some remarkable confirmations and additions to the theories hitherto held on the subject were achieved.

It was found that on approaching an area beneath which ironstone was deposited, the needle became deflected. In cases where the iron was near to the surface, the deflection was most acute, and where it was hidden far below the surface the degree of deflection was accordingly diminished, so that by carefully noting the movements of the needle, it was possible not only to fix the exact locality where iron was to be found, but also, according to the degree of deflection, to fix with tolerable accuracy the depth at which it was to be found.

Another mode of discovering the location of minerals is to use the "diviner," as a person gifted with "magnetic powers" is called. There is now in England a remarkable boy who is regularly employed for this purpose by a mining company in the north of the country. The manager of the company in describing this remarkable boy says:

"Mineral veins and water have been discovered in the most accurate manner by the strong magnetic attraction for the bar, which is 15 years of age and of ordinary weight. If he stands in a small quantity of water it takes a very strong man to lift him. It is not at all necessary for him to carry a stick. All he requires to do is to walk over the ground with his hands clasped and he can immediately tell you if he steps upon a vein. He can give the direction of the vein, and can tell whether it is weak or strong. He can also, simply by walking over it, say whether another vein crosses it or comes into it. When he came here we were all skeptical, so we took him on a portion of a hill where we had no outside traces of them visible, and he correctly gave us the direction of each. In his researches he came upon a very large and deep vein, which was entirely unknown to us. He gave us its direction and strength, and as we have since put a shaft down into this vein we have proved that he was exactly right in its position. He does not profess to tell whether the vein carries lead or not; all he can do is to find the vein for you, and say what size and strength it is. In the vein he found for us we have not yet come upon lead, but we are rich in mineral soil and promissive well."

This boy is accompanied by a medical man, whose services are frequently required in the work, and who has seen the consequence of repeated shocks, and who receives from contact with minerals or water.

The Neck Stands.

Houses in places otherwise unexceptionable are often, so closely overhung with trees as to be a state of humidity by the prevention of a free circulation of air, and the free admission of the sun's rays. Trees growing against the walls of houses, and shrubs in confined places near dwellings, are injurious also, as favoring humidity; at a proper distance, on the other hand, trees are favorable to health. On this principle, says Dr. James Clark, it may be understood how the inhabitants of one house suffer from rheumatism, headache, dyspepsia, nervous affection, and other consequences of living in a confined, humid atmosphere, while their nearest neighbors, who have a free circulation of air and a free exposure of the sun to the material things to be attended to in choosing a residence.

Railways as They Were Seen.

A perusal of the English papers of the year 1835 gives the most amusing evidence of the way in which the advent of the steam railway was regarded. The John Bull says in one of its issues of that year: "Does anybody mean to say that these people, passengers who would use their own carriages, and are accustomed to their own comports, would consent to be hurried along by the air, in a railroad, from which, if a lady school boy, a marble, or a wicked one a stone, they would be pitched off their perilous track into the valley below, or is it to be imagined that women who like the turf and the garden, and who go on a party of pleasure for an hour to see a sight, would endure the fatigue and misery and danger, not only to themselves, but to their children and families, of being dragged through the air at the rate of 20 miles an hour, all their lives being at the mercy of a tin pipe, or a copper boiler, or the accidental dropping of a pebble on a line of the way? Cuiusmodi railroad?"

Economical Production of Power.

It has been computed as an illustration of the great cheapening of ocean freights which has taken place in recent years, that half a sheet of note paper will develop sufficient power, when burned in connection with the triple expansion engine, to carry a ton a mile in an Atlantic steamer.

Woodworkers—Two Good Wagon Workers at P. Blatts, 6 and 7.

Young men immediately. THREE good, active young men to learn the trade of woodworkers, steam and pattern, can be secured by applying to JAS. W. BLATT, 400 N. 10th St., Buffalo, N.Y.

Male and Female Help.

GOOD WATER FREE—TO THE BOY OR GIRL who will take the present number of the Dispatch, and send it to the publisher, with a good permanent position for either sex, at \$1.00 per week, apply to JAS. W. BLATT, 400 N. 10th St., Buffalo, N.Y.

Help—3 GENERAL HOUSEWIVES.

Help—3 GENERAL HOUSEWIVES, 3 COOKS, chambermaids, laundresses, dining room girls, dressmakers, nurses, colored porters, drivers, for Sewickley, Elwell and Shields streets, 219 WESTERLY AVE., Allegheny, Pa.

Salesmen—3 SHOES SALESMEN.

SALESMEN—3 SHOES SALESMEN: 3 SHOES SALESWOMEN for good and reliable retail stores, good permanent positions for either sex, at \$1.00 per week, apply to JAS. W. BLATT, 400 N. 10th St., Buffalo, N.Y.

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THE PITTSBURG DISPATCH, SUNDAY, JULY 30, 1890.

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