

# The Daily British Whig

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Lord Iveagh

## WEALTH TURNED UP RUBBISH IS SAID TO BE WORTH A FORTUNE.

Deserted Mine in Cornwall, Now Worked For Radium, New Industry Which May Lead to Revolution in Science.

St. Ives, Cornwall, Feb. 27.—OR something like fifty years past there has stood on the outskirts of the town of St. Ives, Cornwall, an ugly heap of refuse—slag and "toss" taken from the old Wheal Trenwith copper mine, and thrown aside as worthless.

It has always been an eyesore to the artists of the town, and a despair to the speculative builders, who saw a useful site spoiled.

No one knew, and few even guessed, that this ugly heap was worth perhaps an hundred times as much as an equal quantity of auriferous rock from the Rand, or that it contained, in comparatively large quantities, radium.

Radium, as most people know now, is extracted from uranium, which, in its turn, is the product of pitchblende. This pitchblende, which in appearance is like sulfidated iron, is a very rare substance.

A small quantity has been found in France—at Nogent-sur-Marne—and larger deposits exist at the Joachimstal mines in Bohemia. Now it is known that Cornwall undoubtedly contains a very large quantity.

More than an hundred men have started work, this week, at the Trenwith mine to extract the pitchblende, which lies about the surface and deep in the workings. The inauguration of this work may almost be described as epoch-making.

The potentialities of radium are only half known yet. Experiments are re-



Where Radium-bearing Ore is Found at St. Ives, Cornwall



Patient Undergoes the Radium Treatment at the London Hospital

### SEEKING RADIUM IN THE SOIL.

At the moment of the foundation of the British Radium Institute comes an announcement of the beginning of a new British industry, the extraction of radium from pitchblende ore mined in Cornwall. Further interest attaches to this from the fact that the government of Austria has forbidden the exportation of radium. Most, if not all, forms of birthmark can be cured by means of radium, and the London Hospital, which makes a specialty of the use of the "element," has been successful in a number of cases. At present, the radium is applied by means of a tube in the manner shown in this illustration. It has been found, however, that it is infinitely better to apply the radium from a flat surface, and a few experimental instruments have been made. Some idea of the cost of the cure may be gained when it is said that one of these new appliances, having a surface scarcely bigger than that of a postage stamp and containing 1.35 grains of radium, costs \$1,800.

It is estimated by those connected with the mine at St. Ives that the pitchblende there will yield about one and one-hundredth grain to the ton. This is a quantity about the size of a pinhead, and its value would probably be between \$5,000 and \$7,500.

At present it is next to impossible to fix a price for radium. It is too precious to have a price fixed in terms of mere gold.

The beginning of work at St. Ives marks the first attempt ever made to

extract radium in England, and it is hoped, too, that it marks a revival of the Cornwall mining industry.

Half a century ago the Trenwith mine was worked for copper, and then at a lower level for tin. Altogether some \$500,000 worth of metal was taken out. Every day valuable pitchblende was thrown away with the other rubbish.

There is a story of a stupid mine manager who thought the pitchblende was black copper, and consigned it as such. It was indignantly thrown back at him, and, feeling very crestfallen, he put it on the rubbish heap. From other parts of the country a little pitchblende was exported to Italy and Germany, where uranium was extracted. Uranium, besides being the basis of radium, has a high commercial value of its own. It is extensively used as an alloy and in the colored-glass industry.

No one in England has known much about its manufacture, and the German metallurgists have been allowed to make a virtual corner.

Small boys in St. Ives have kept pieces of pitchblende as curiosities, for when rubbed and held in a dark place it gives off a curious dull light. Once a resident in the town sent a lump to a leading scientist for examination, and was told that the ten pounds of pitchblende was worth \$50 in gold.

The work of drying the Trenwith mine will be a lengthy process, but plans are already being made for the erection of pumping machinery.

The water in the mine opens up another prospect. It must be radioactive, and therefore have a high medical value. The worth of radium baths is well known in the treatment of certain complaints, and there is a possibility of radium baths being established at St. Ives.

There is one other point of view that may some day have to be considered in connection with radium. Dr. Jekyll, when he changed his personality, let loose a demon beyond the control of man. What may be the effect of the unloading of a force of incredible power such as must follow the production of radium on a large scale?

Already one serious problem has arisen, and that is the impossibility of keeping even a small quantity together, and so the amount in existence is widely distributed particles.

There is no structure in existence that would hold a pound of radium.

Radium is one of the most, if not the most, expensive of chemical substances, and it was only the munificence of the Right Hon. Sir Ernest Cassel which placed on a practical footing the new scheme for a British Radium Institute, which has been started at the suggestion of his majesty the king. Sir Ernest Cassel is a son of the banker, Jacob Cassel, of Cologne, and received his education in that city. He himself carries on business in Old Broad street.

Lord Iveagh (formerly Sir Edward Cecil Guinness), who also has given a liberal donation to the funds of the Radium Institute, has already shown himself a patron of public institutions devoted to the art of healing. The Dublin hospitals especially have benefited by his munificence. He is a fellow of the Royal Society and has recently been elected chancellor of Dublin University. He was made a baronet in 1885, a baron in 1891 and a viscount in 1905.

**MIMIC WAR TARGET.**  
Army Council Adopt New System of Practice.

London, Feb. 27.—The army council has just approved the Solano targets for military training in Britain and the colonies. These are the invention of E. J. Solano, and are designed to take the place of the bullseye, which was formally condemned by the council in October, 1907, and has now practically been abandoned by the nations for war training. In all but the final stages of an action battles are

## A Bicyclist Recommends Pe-ru-na.

He says: "I have been a bicyclist for over five years. Last spring I caught cold causing catarrh. I took Peruna, and am well. I often recommend Peruna to my friends."



Many Athletes Praise Pe-ru-na. Builds Up Worn-Out Systems.

Mr. John Ferrault, 385 Davidson street, Boulevard St. Paul, near Montreal, Canada, writes: "I have been a bicyclist for over five years, and last spring I caught cold and did not take anything for it, for I thought it was not bad enough, but it came to catarrh. I was so discouraged that I didn't know what to do. I could not sleep; I always felt tired and troubled. Finally I began to take Peruna. After I had taken one bottle I felt better. I took another one, and now I am well. I would like to always feel as I do to-day. I often recommend Peruna to my friends."

Close Confinement. Mr. G. W. Woodbury, Rogers, Ohio, formerly Captain and Center of the Hiram College Basketball Team, writes: "There are times in the life of every student when excessive study and too close confinement and attention to the object in view will tell on your health. I have found that when body and mind alike are weary and refuse to work, a few doses of Peruna restores

lost strength and invigorates one quicker and more permanently than anything I know. It gives one nerves of iron and muscles of steel, and assists the mental activities together with the physical to a wonderful degree. The athlete knows the importance of being in fine form. Peruna is a valuable assistant to anyone who wishes to keep himself in vigorous health every day."

**TOO LITTLE BLOOD.**  
Responsible For Nearly All of the Misery Women Endure.

Anemia is written on the features of ninety women out of a hundred. Unmistakable are the signs of "too little blood." The weaker sex is assailed at all ages by the evils resulting from bloodlessness, from the girl who is weak and languid, with dull eyes, pale lips, fitful appetite and palpitating heart, to the woman who feels "never well," with pains in the back and across the shoulders, fainting fits and aching limbs. And later at life's turning point, nervous disorders and heart troubles make great calls on a woman's strength.

At all ages Dr. Williams' Pink Pills are especially valuable to the female sex, for they alone possess the power of making in abundance the rich, red blood of health. They fill the starved vessels with new blood, so that enfeebled bodies are strengthened, weak nerves are fortified, and robust health is restored.

Mrs. E. Smith, Windsor, N.S., says: "A few years ago my health began to fail. I suffered greatly from inward troubles, and in about a year's time my whole system was almost a wreck. My blood had turned to water, and my heart had become so badly affected that I could scarcely go about. In fact life had almost become a burden, and there seemed little hope for me. One day a friend asked me if I had tried Dr. Williams' Pink Pills, and told me that she had been in almost the same condition I was, and that the pills had restored her to her present splendid health. I took courage from what my friend told me and began to take the pills. I took them regularly for several months, constantly growing stronger, and the internal troubles from which I had been afflicted were disappearing and my whole system seemed to have gained new strength. I wanted to make certain that there would be no return of the trouble and I continued to take the Pills for a time after I had really recovered. Since I have proved for myself what Dr. Williams' Pink Pills can do, I have recommended them to a number of suffering people, and those who have given them a fair trial have proved with me that Dr. Williams' Pink Pills are just what they are recommended to be."

Sold by all medicine dealers or by mail at 50c a box or six boxes for \$2.50, from the Dr. Williams' Medicine Company, Brockville, Ont.

### JUSTICE F. A. ANGLIN.

Of the Exchequer Division of the High Court of Ontario, who has been appointed to succeed the Hon. Jas. Maclean on the Supreme Bench of Canada.

### THE CONJURER CONFESSES.

Deliberate in Movements—Must Be An Actor. "That the hand is quicker than the eye" is one of those accepted sayings invented by some one who knew nothing of conjuring—or, as is more likely, by some cunning conjurer who aimed still further to hoodwink a gullible public. The fact is that the best conjurer seldom makes a rapid motion, for that attracts attention, even though it be not understood. The true artist in this line is deliberate in every movement, and it is mainly by his actions that he leads his audience to look not where they ought, but in an entirely different direction. David Devant, who, for a number of consecutive years, has entertained London with his ingenious tricks, has said: "The conjurer must be an actor. By the expression of his face, by his gestures, by the tone of his voice, in short, by his acting, he must produce his effects."

## MANY RECRUITS ARE FALLING IN

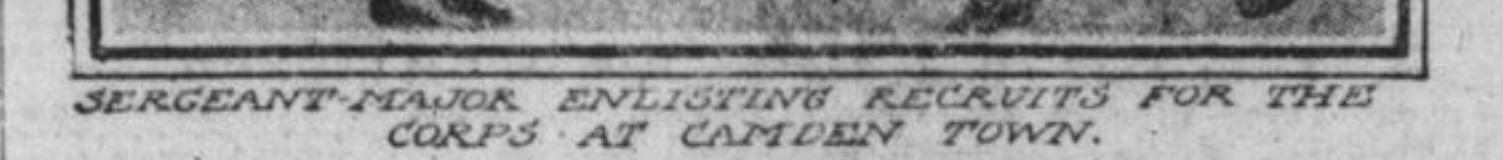


LONDON SCOTTISH MARCH THROUGH SOUTH LONDON WITH THE OBJECT OF READING UP RECRUITS.

London, Feb. 27.—The effect of the play, "An Englishman's Boy," which deals with an imaginary invasion of England, is becoming more far-reaching every day. It has undoubtedly aroused in England such a spirit of militarism as has not existed since the Boer war. To it alone can be ascribed the remarkable burst of enthusiasm in recruiting for the territorial army. Before its production the authorities were begging and pleading for recruits. Now they are overwhelmed with them. They are coming in at the rate of five or six hundred a day in London alone. Every Saturday the territorial battalions give a "march out," as it is called, covering all sections of the city. When the battalions reach their headquarters afterward there are scores of young men standing along on the flanks anxious to enlist. Some of the crack battalions are not only already filled, but have a waiting list. Major Du Maurier's play has solved the problem for the war office. A month ago it seemed impossible to procure the twenty-seven thousand

men necessary to complete the organization. Now it is just the reverse. So numerous are the recruits that only the cream is selected.

Some people are always looking for a new kind of mistake to make. A legal light naturally feels put out if the judge turns him down.



SERGEANT-MAJOR ENLISTING RECRUITS FOR THE CORPS AT CAMDEN TOWN.

# Red Rose Tea "Is Good Tea"

NOTICE THE BRIGHT, AMBER COLOR IN THE CUP.