plete Success.

It seems incredible, yet it is a hard fact, easily proved, that the food of grasses and when the population of grew large, and people Ly the skin of its teeth. In fact, had it not been for the investigation of the pimples on a plant, the worst might have happened.

All have heard of the avenueurs.

All have heard of the experiments now going on in England and elsawhere with the "nitrifying bacteria." Examining the roots of beans, peas, and clover. a scientific man found that the little pimples at the base of the stem contributed in the contribute of the stem contributed in the contribute of the stem contributed in the contribute ples at the base of the stem consisted of millions of microbes, and he also found that these microbes have the power to take nitrogen from the air and give it to the last and give it is there had a give it is the last and have the power to take nitrogen from the air and give it to the plant. After many failures, this process of manuring is now a success, and farmers in many countries buy these microbes, packed in cotton-wool, and spread them on the ground as manure.

The air and give it to the manure—that is, of forcir trogen of the air of unite to the body; and, after meaning of the article been crowned with compact the ground as manure.

In this way the world

SAVED FROM STARVATION.

To appreciate the full value of this discovery, it must be remembered that twenty-five years ago it was known to scientific men that there was a scientific men that there was every chance of the world's food supply being so reduced before they grew old that half the people of Europe and America would die of starvation.

It was all a question of manure for the land. As everyone knows, the land can grow practically no-thing without its allowance of manure-neither wheat for bread, nor clover to produce beef and mutton, nor potatoes, turnips, fruit, nor flowers. Long ago, when people were comparatively few, the manure of the farmyard sufficed. But for many years past the supply of this valuable commodity has been only a drop in the bucket of what the land demands.

the population increased, and the guano began to give out. There was no way of innewing it, and the farmer was faced with bankruptcy, when another discovery saved him. That is the fact that one of the by-products of gas manufacture. sluphate of ammonia, is an excellent substitute for farmyard manure.

THEY WANTED MORE.

grow. More and more food was re-

produce. Of course, long before that time there would be scarcity, high prices, hunger, and perhaps a world-wide war for the possession of the nitrate mines.

That was the catastrophe that threatened the world. How has it been averted? This is one of the most marvellous stories in the whole of science.

In the air around us is an apparently lazy, inert gas called nit-rogen. Four-fifths of the air consists of this gas, and it is so abundant that no less than 3,000 tons of it float over every acre of ground. It is a most unsociable body. Only the greatest force at the command of the chemist will make it combine with other elements. And as soon lysis and the ailments of your partial stabling pains of neural stabling pain in its power to get free. That is why gunpowder and dynamite explode. The nitrogen which is part of them awaits only the opportun-

SEPARATE AND LIVE ALONE.

We must eat nitrogen to live. we eat it in the flesh of other animals or in plants. These animals cat it in plants, and the plants get it from the soil. Whence does the soil get its nitrogen?

Now, although there are 34,000 tons of nitrogen over every acre, neither, plant nor animal can get one grain weight of it from the atmosphere, because it exists there alone. It is then what the chemists call "free" nitrogen. In order that plants may make use of it, the ritrogen must become "fixed" your other collar has not yet come that is to say, it must become unit

ALL-POWERFUL PIMPLE

ROW IT HAS SAVED THE
WORLD FROM STARVATION.

The Efforts of Scientific Men Have
Been Crowned With Com
ed with some other body, soda or lime. This it is n to do. But during mil years past a quantity of it so united. Every time a life flash passes through the air pels a very small quantity gen to unite with oxygen. brought down to the eart rain, and there it enters in with soda or potash, or so element. element.

Now, so long, of course were few, there was suffi the food of grasses and t grew large, and people grow wheat and other gr

In this way the world saved from famine.

RHEUMATISM IN THE B

Liniments and Rubbing W Cure It—The Disease MI Treated Through the Bl

The trouble with men ϵ men who have rheumatism they waste valuable time in tc rub the complaint away. rub hard enough the friction Fortunately, a great store of guard temporarily relieves the part temporarily relieves the part time the acl warmth in the affected part pains are as bad as ever. rubbing, and all the linimer outward applications in the won't cure rheumatism, become is rooted in the blood. I won't remove the poisonous the blood that causes the But Dr. Williams' Pink Pi because they are a blood n acting on the blood. That But the population continued to the aches and pains and still the aches and pains and the aches are aches and the aches and the aches and the aches and the aches are aches and the aches and the aches and the aches are aches and the aches are aches and the aches are aches and the aches aches and the aches aches and the aches aches aches and the aches ac But the population continued to grow. More and more food was required. The sulphate of ammonia began to fall short of the land's needs. The surply could not be increased. And so famine again loomed ahead.

Then came the providential discovery in Chili of the nitrate of sodium, or Chili saltpetre. But, great as the store of nitrate is, became evident that it could not last many years. No other natural source of manure is known to exist, and it seemed that by the year 1925 the produce of wheat, oats, barley, maize, potatoes, and even beef and mutton, milk, butter, and cheese would be reduced to something like one-third of the present produce. Of course, long before that time there would be scarcity, but it did not do me is good. My daughter was usi Williams' Pink Pills at the and finally persuaded me them. Inside of a week the began to help me, and after the produce of the present produce. began to help me, and after ing them a few weeks longor trouble completely disappears has not bothered me since.

> Most of the troubles that mankind are due to poor, w blood. Dr. Williams Pink Pil tually make new red blood. is why they cure anaemia with headaches and backaches, and ziness and fainting spells; pangs of rheumatism, and the s erything girls and the ailments of your girls and women of mature Good blood is the secret of he and the secret of good blood is Williams' Pink Pills. Sold by dicine dealers or by mail a cents a box from The Dr. Wams' Medicine Co., Brocky Ont.

> > King Edward and Queen Alex dra have been married longer t any other pair of crowned hea in Europe.

ritrogen must become "fixed" - your other collar has not yet com that is to say, it must become unit- home from the laundry."

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