Industry Rose to Needs of War

Great Britain Becomes Complete-/*/ly Independent of German Products.

NOW MEETS ALL DEMANDS

Before the Wai Germany Had Control of Much Raw Material That Was Vital-Finds Way to Supply Potash.

London .- A remarkable story of how British industries formerly dependent for their life blood on Germany have under the stress of war's demands arisen to a state of complete independence was told by Mr. Kelloways parliamentary secretary to the British ministry of munitions, at a recent meeting of the industrial reconstruction council. Britain is now first in the world in almost every sphere of industrial effort, he said.

Beginning with raw materials, Mr. Kelloway showed that mica, absolutely essential to the electrical industry. was so controlled by Germany, although half the world's supply came from India, that when the war began the world's market was on the point of being transferred from London to eminent in the air at the close of the Hamburg. But Indian mica now can war, when the British air force was be exported only to London, and the the targest in the world, according to British electrical industry has taken a report made public recently. It the place Germany once held and is fought on more fronts than the air now the first in the world.

produced 40 per cent of the wolfram it is said. ore from which tungsten (essential for In August, 1914, the Brifish naval high speed steel and in metallic fila- and military air services together musments) is made, but so successfully tered-only 285 officers and 1.853 men had Germany captured the trade that of other ranks. In November, 1918. no British manufacturer was able to there-were 30,000 officers and 264,000 establish the industry in this country, men. To this position Germany owed her At the outbreak of the war Great great superiority in munitions produc- Britain had 166 airplanes, 45 seaplanes tion in the carlier stages of the war, and 7 airships, while at the close of All that has been changed. Britain is hostilities she had 21,000 airplanes. now able to produce all the high speed 1,300 scaplanes and 103 airships. steel she needs and to export at a rea- Besides this there were 25,000 at: daughters of the author of "Babes in sonable price to her allies. . . . plants and scaplanes being built and the

Controlled Australian Zinc.

Australia has practically unlimited supplies of zinc ore, but Germany obtained control of them, and 77 per cent of British pre-war supplies came from Germany, Belgium and Holland, Germany being Britain's largest supplier. But now Australia's output has been diverted, permanently, he hoped, to Great, Britain.

Great Britain used to depend entirely on Germany for potash, essential for fertilizers, dyes, drugs and glass production. The war revealed that 50,000 tons of potash was going to waste here every year in the dust or fumes from blast furnace gases That is now being collected. Germany had relied on her practical monopoly in Europe of natural deposits of potash to enable her to bargain for the recovery of her world markets. She will disappointed. British enterprise and judicious government assistance have taken that power from her.

Machine tool production looked like an almost insoluble problem at the beginning of the war, but so greatly has production increased that before long the power of the engine will be the same as its weight in pounds, I. e., one pound per horse-power.

The British position in 1914 in rewas very grave, but, thanks to a display of grit in the face of almost insuperable difficulties, of resource and of patriotism as fine in its way as that ish magneto position has been established and made unassailable:

British were almost entirely dependent ers and gingerbread saloon-fronts.

It is humiliating, Mr. Kelloway con- about it? tinued, but it is the fact that at the "The Spartacus group" was the outbreak of war a considerable part of name the German ultra radicals adoptsights exclusively manufactured in shingle in the blood letting business, name your political party after! Germany. Two British firms started But that sort of name never would do. making sights, but the position was So, we have the papers, in their exexceedingly serious when the ministry tremity, alluding to them variously as week. The sight is a beautiful and the first-mentioned designation be pockets. Anyway, he was a robber.

delicate piece of work, and its production in such numbers and in a perfeca triumph for British skill.

Before the war the British optical and scientific instrument industry had dlemen who mainly sold instruments completely manufactured in foreign countries. All that has been swept away by the bitter necessities of war, and Britain is now self-supporting.

Her dependence on Germany and safety lamps very nearly landed her in disaster. The position was so serious that the home office had to relax the conditions as to the quality and dimensions of lamps, Now Great Britain

four electric light bulbs in use in Great | rifles have been returned to the Britain came from Germany or Aus- French. tria. She is now manufacturing sufficient to meet her essential needs.

BRITAIN HAS 23.300 PLANES

Started in the War With Only 210 Machines-Pre-eminent at

London,-Great Britain was preservice of any other nation, and its Before the war the British empire successes were proportionately greater.

at the close of hostilities 23,500,

FIND BIG HUN WAR STORES

immense Amount of Material Abandoned by Germans in Region of Coblenz.

Coblenz. Thirty-five million rounds of small-arm ammunition were among the material abandoned by the Gertion which Germany sever exceeded is many in the region of Coblenz, These were recently discovered by the America icans during an exploration of the underground storebeases and tunnels degenerated into a collection of mid- where the German munitions, were

Five million rounds of this ainmanition had been captured from the French. The other 30,000,000 rounds were manufactured by the Germans, who took captured British shehs and Austria for the glass for her miners' loaded them with German powder and bullets taken from the French. Most of these cartridges were boxed and addressed, in readiness for shipment to various units in Turkey.

Thirty-six thousand rifles captured is producing sufficient supplies of the from the British and found stored in Coblenz have been turned over to their Before the war three out of every original owners, while 10,000 Krench

"BABES IN THE WOOD"



The women's royal air force, which their coats and pitched in. The photo was not in existence in 1914, numbered shows the two girls resting on a tree . they had just felled.

Spartacus Hero of German Reds

Leader of Revolt by Slaves Is Honored by Liebknecht Followers.

Chosen as Godfather of German Revolution, Captured Most of Southern Italy.

New York .- Perhaps it's just as

that sorely tried word was officially and you can see very easily how a cent Burial of Hackneyed Words, an aristocrat. along came these Germans, with their | Maybe it's just as well to call them sprung Spartacus on us.

The war was nearly lost because the other unfair tactics, gas, flame throw-certain Mr. Spartacus, whose initials on Germany and Austria for scientific . But now that we have Spartacus Me. He started life as a modest

and optical glass, essential to success. with us, what are we going to go

cause it is very close to homocide, suicide, regicide, fratracide, insecticide and such like occupations. There is not lacking a considerable party which claims spartacism is all of that and more. But, the ending "cide," from the Latin caedo, to kill, always kills whatever it is added to. Kills what it goes after, as it were. A homocide is a mankiller, a suicide is a self-Slaves, Under Leadership of Man killer, and an insecticide is an insect killer. So a Spartacide would be a Spartacuskiller. And that isn't what we want to say at all.

.And Not Only That-

In the same way a Spartacusser might be accused of heaping profane Just when we were fearning to say invective upon a Spartacus and all his bolsheviki, and were learning to give works, and a Spartacan might be sus- increasing the hog population to meetit about as universal an application as Dected of being a mere subterfuge for the increased demand for meat and gard to the production of magnetos we used to give to camouflage before tying a can on one end of Spartacus, entombed by the Society for the De- Spartacrat might be mixed up with

shown by her fighting forces, the Brit- Schrecklichkeit and head cheese, and Sparts, or just sparts, and thereby avoid complications.

That was right in line with their The sparts take their name from a have been lost somewhere in the shufshepherd in Thrace, perhaps somewhere in what was recently European Turkey, during the century just preceding the birth of Christ. Think of our artillery was equipped with gun ed when they first hung out their going back that far for somebody to

The young Mr. Spartacus, tiring of keeping the night watches over his sheep became a robber chief, the of munitions was formed. Recently Spartacides, Spartacans, Spartacites chroniclers say, They do not specify these two firms were producing 250 a and Spartacl. Objection is made to whether he stuck up banks or picked

A Roman army, in the course of one. of its boundary rectifying expeditions, happened upon Spartacus and took him to Rome. The sport fans decided to match him against a muchtouted gladiator recently imported from Asia, and for that purpose put him in a training camp for gladiators. He escaped as soon as he had learned the fundamentals of gladiating, and issued a declaration of independence, asserting that all slaves were thenceforth free. Whereupon every gentlaman's slave began to put on airs, refused to pull the corks or polish the car any more, and, in short, started a

Held Out for Three Years.

Under leadership of Spartneus, the slaves captured most of southern Italy, and held out for nearly three years against the best forces the Roman government could send against them. But at last they were beaten by an army under Lucullus, just as they were about to seize all the shipping board's ships and dash back to Thrace. Spartneus died with his men, leading a charge.

Such was the gentleman whom the German radicals have chosen as godfather of the revolution.

Liebknechterines, Liebneckkers, Liebnecktights, Liebnecktars, Liebnecrats or something like that would have sounded so much better!

Helping the Meat and Milk Supply

HOW AMERICAN HOG GROWERS MET WAR'S NEED



A Coming Herd of Porkers. They Produce Profits for Their Owner and Meat and Fats for His Country.

COUNTY AGENTS AID HOG RAISER

Remarkable Growth of Business in Cotton States as Well as in Other Sections.

LARGE GAIN SEEN IN 1918

Department of Agriculture Advises Conservative Policy in Production Until High Prices of Feed

fimates of the bureau of crop esti- animals to the best advantage. mates of the United States department of agriculture. Of this number 34.776,000 are found in the sty corn belt states of Iowa, Illinois, Nebraska, Missouri, Indiana and Ohio, while 24,-082,000 porkers are in the 15 Southern states and the remainder are distributed over the other 27 states of the Union. Under present conditions the South ranks second only to the corn by providing green feed throughout belt as the leading bork producing section of the country. The remarkable fact that the growth of the hog business in the cotton states, as well as in to popularize pork production.

Last year at least 2,435 counties had the service of an agricultural agent and in every locality where conditions were favorable for hog raising. these agents devoted their efforts to fats brought about by the war.

County Agents' Work.

An example of the county agents' work to increase pork production is shown in 17 counties of southern er. In Utah recently more than 100 Alabama: Not a single carload of farmers supplied 18 carloads of hogs hogs was shipped to market from sections 35 to 90 miles from a these counties during 1912-1913. This, market shipping point? The hogs were was before the county agent got in his brought in wagons and even automowork. During the year ending April biles to the shipping point and were 1, 1918, these IV counties marketed there handled under the supervision 2,352 carleads of hogs.

been getting results in their work to farmers' organizations in many parts enlarge the swine industry. In 1914 of the country.

this state exported 7,244 hogs while in 1917 it sent 88,730 fat porkers to the market, an increase of 1,224 percent. An increase of corn production was necessary to develop the hog supply and the county agents have been boosing this source of fattening feed. In 1909 North Carolina raised 34 it harvested 64,365,000 bushels, which enabled the state to fatten 1,599,000 hogs. In Georgia approximately 29,-475,000 bushels more corn were produced in 1918 than in 1909. Other Southern states have made similar records in increasing corn and pork

Agent Is Versatile Helper.

While working to increase pork production, county agents have shown nomically; how; by fighting disease, particularly cholera, much loss could There are 75,587,900 hogs in the be prevented; and how, by proper sell-United States, according to recent es- ing, producers could dispose of their

*County agents in Pennsylvania, working through farm bureaus, have conducted numerous demonstrations in the feeding of hogs, in which they showed methods worked out by experiments for making cheap gains. These demonstrations taught many hog raisers how to save at least one-half of the grain feed bill in raising hogs the growing senson.

Saves Wheat With Hogs.

In a certain section of Montana, many other sections of the country nearly 50 acres of choice wheat were where the development has been rapid beaten down by a hailstorm just a during the last five years, is that the few weeks before harvest. It looked progress has been the direct result of like a total loss, but the county agent the untiring efforts of county agents called a meeting of the farm bureau and told the members that the wheat could be saved if hogs could be secured to_clean; up the fields. The county agent was then authorized to go "hog hunting" and as a result he secured 2,300 head which were put to work salvaging the damaged wheat.

> In many localities the limiting factor in hog raising is easy access to market. County agents are solving this question by inducing farmers to market hogs co-operatively, thus greatly reducing the expense to each farmof county agents. Similar work is be-

County agents in Mississippi have ing done by county agents or through

THE WOMAN'S REMEDY 30 years on the market

Every Little Task a Burden?

have brought relief and comfort to

A North Carolina Case

thousands of weak, suffering women.

kidneys didn't act as they should.

had severe backaches and couldn't

straighten after stooping. I began taking Doan's Kidney Pills and they soon stopped all the pains and my kidneys became normal. All the other symptoms, were relieved too. I consider Doan's Kidney Pills a wonderful kidney medicine."

Get Doan's at Any Store, 60c a Box

FOSTER-MILBURN CO., BUFFALO, N. Y.

worn-out with wear

kidneys, housework is a heavy burden. Back-ache, sick headaches,

and a weak, tired

cult and the ever-present, daily duties

Kidney Pills. They

ve the weakened

Send for FREE 000,000 bushels of corn, while in 1918 10 Days' Trial Treatment and Booklet

Manufactured by

Olive Branch Co., P. O. Box 153, South Bend, Ind.



Bottle of YAGER'S LINIMENT contains twice as much as the usual 50 cent bottle of

This Large

It quickly alleviates pain caused from rheumatism, sciatica, 1-1ralgia, sprains, etc.

Sold by all dealers. Price 35c.



GILBERT BROS. & CO., Baltimore, Md.

GEORGIA ALABAMA BUSINESS COLLEGE MACON, GA. WRITE FOR CATALOG

DRIVE MALARIA OUT OF THE SYSTEM



Make \$10 Every Day

selling Rawleigh's Products, with rig in country. Few good territories now open. Give age, occupation, references W T. Rawleigh Co., 130 Illinois St., Memphis, Tens.

Clipped Army Horses

Veterinarians of the Alliea Armies ordered regulatclipping of the horses and mules in all tranches of the service. They were clipped with the Sewart No. 1 Machine. YOUR horses also will do bet at work if clipped. Get a Stewart No. 1 Ball Bearing Clipping Machine, \$9.75; \$2.00 down, balance when received. Or write for 1919 catalog.

CHICAGO FLEXIBLE SHAFT COMPANY Dept. A 172, 12th Street and Central Ave., Chicago, M.

Cabbage Plants

Genuine Frost proof, all varieties, immediate and future shipment. By express-500, \$1.25; 1000, \$2.00; 5000, \$8.75. Parcel Post Prepaid--100, 35c; 500, \$1.50; 1000. \$2.50. Enterprise Co. Inc., Sumter, S. C.



Sold for 50 Years. FOR MALARIA, CHILLS AND FEVER Also a Pine General Strengthening Tonic. At All Drag Stores.

AGENTS WANTED

We manufacture an accessory to Ford cars which interests every Ford owner upon five minutes' demonstration and sells readily. No Competition. Agents handling our Devices as side line are earning around \$150 per month. Those devoting entire time make better than

MOTOR PRODUCTS COMPANY 446 Mass. Avenue Indianapolis, Ind.

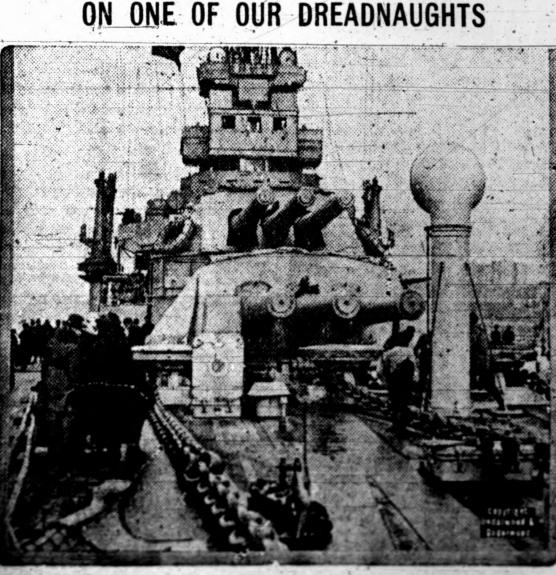


THE HOG SITUATION

A conservative policy with respect to increasing the number of swine until the relative shortage and high price of feed are overcome is the recommendation of the United States department of agriculture, recently made in a statement on American agricultural production in 1919. In summarizing the hog situation the department reports that the number of swine fell from 65,620,000, the high point in 1911, to 58,-933,000, the low point in 1914; and under the stimulus of war demand and a record corn crop in 1917 the number increased to 70,978,000 on January 1, 1918. Reports indicate that the number on farms on January 1, 1919, was 75,587,000, or an increase of 6.5 per cent.

The number of swine per capita of population in 1911 was 0.679 of one animal. On the same basis there should be 72,474,000 on farms

Exports of pork-products fell from 1,678,000,000 pounds in the fiscal year 1899 to 707,000,000 in 1910, and rose 1,692,000,000 in 1918. Although definite data are lacking, reports indicate a considerable reduction in the number of swine in Europe. A representative of the food administration reports a reduction of 25 per cent in the United Kingdom, 121/2 per cent in Italy and 49 per cent in France. However, in estimating probable demand in Europe for American pork products certain factors must be borne in mind; namely, (1) large stocks now on hand in the United States, and (2) the rapidity with which the number of swine can be increased in Europe. Another factor of importance is the relatively large proportion of lard in the exports of this country. amounting to about 50 per cent of all pork products exported in the five-year period from 1910 to 1914, and about 200 per cent more than the total quantity of beef exported. Exports of lard amounted to 481,-000,000 pounds in 1914, 476,000,000 pounds in 1915, 427,000,000 pounds in 1916, 445,000,000 pounds in 1917, and 392,000,000 in 1918. All reports emphasize the shortage of fats and oils in Europe at the present time. No shipments to Germany and Austria have been included in the exports of lard from the United States since 1914. However, prior to the war, Germany was our second largest customer, taking 146,000,000 pounds in 1914, or about 30 per cent of our total lard exports. The foreign demand for lard is likely to be heavy during the present year.



Interesting view on board the American dreadnaught Petasylvania.