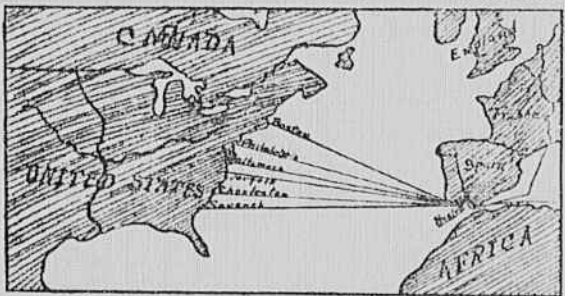


**SUBMARINES AND SOIL FERTILITY**  
How the War Affects the Farmer's Ability to Produce Bumper Crops.

The grip of the scourge of the seas is now, after months of warfare, felt by the American farmer. When the Lusitania went down the whole world shivered with horror—horror at the very savagery of the deed, yet few of us realized at the time that within a comparatively short time the entire world would, in one way or another, be at the mercy of these newest and most savage of all implements of war. Least of all did the American farmer realize that the submarine menace would have any effect whatever on his ability to raise crops and do his bit in the line of food production.

utilizer which would usually serve approximately 150,000 acres of corn, of wheat, or of any other cereal crop. It diminishes by this much the ability of the farmer to utilize to advantage his short supply of farm labor, to grow sufficient crops, and at the same time give up to military service the boys of the farm.



The route followed by boats in carrying pyrites from Spain. The entrance to the Mediterranean is a favorite lurking place for submarines.

plate has but little agricultural value, and many materials now used in fertilizers could not be included.

Pyrites Carried at Low Rates. These Spanish pyrites are usually shipped from the port of Huelva on the southwest coast of Spain, this side of the Gibraltar Gateway. Mediterranean freighters returning from Europe take on these pyrites at very low freight rates, even almost as ballast.

From Huelva the pyrites are carried to Charleston, to Savannah, to Norfolk, to Baltimore, and points north. At these places the pyrites are burned, the sulphur separated and turned into sulphuric acid. Later on, ton for ton this acid is mixed with rock phosphate, and in this way the acid phosphate of commerce is produced. In other factories this acid phosphate is mixed with the blood, bone and tankage of great slaughter houses, and with other materials carrying nitrogen, for the production of the complete fertilizers on which depends the production of a sufficient supply of food crops.

Some of these Mediterranean freighters have been commandeered by the government, others have been sent down by the dreaded submarine, and still others are tied up in neutral ports all over the world.

Conditions Are Serious. Few farmers realize the serious nature of the case. Perhaps the average boat in this trade will carry four thousand tons of pyrites. Every ton of pyrites will make in the neighborhood of four tons of acid phosphate, or up to eight tons of complete fertilizer. Every four thousand tons taken from the pyrites carrying trade means a loss of the acid for the fer-

however, this increase in cost is more than balanced by the increase in price which the farmer receives for his crop. Were this not the case, the American farmer and the American farm would indeed be in a bad way.

**THE OVERSEAS ACRE FUND.** "The farmers of France are in far worse condition than perhaps you know. They have literally lost everything except their souls. After the last retreat of the German army, the entire countryside was devastated. No living thing remained, no birds, no animals, no trees, no crops—nothing. Wells were poisoned, all vestige of their former homes and buildings were destroyed."

"Help is needed and needed quickly. Our funds will be used to buy food, clothing, farming implements, fertilizer, seeds, live stock, building materials, and other necessities as reported to us by the War Relief Clearing House. Every gift will be marked. Given with gratitude and good will from the farmers of America—through their Overseas Acre Fund." The above statement is from a pamphlet issued by the Overseas Acre Fund, which is carrying on a campaign to help the farmers of France.

**Use High-Grade Fertilizers.** With fertilizers high priced and scarce this year, it is more important than ever to use high-grade rather than low grade goods. Plant food always costs the consumer more in low grade formulae, and now there is an added argument for high quality—less freight space is required to move a given amount of actual plant food.

**A Roanoke Hotel Man Finds Wonderful Remedy For Catarrh**

Was Bothered So Much Himself He Was Actually Becoming Quite Deaf When Friends Told Him of Remarkable Medicine For It

"I used to be hawking and spitting constantly during the day and at night my head would clog up, making me nervous, restless and unable to sleep at times. Drippings of mucous in my throat made me wake up each morning with a nasty breath and bad tasting mouth. I had catarrh so bad it began to affect my hearing and I was considered quite deaf," says a well known hotel proprietor of Roanoke, Va., Mr. Jos. B. Kennerly. "Then one day a friend told me about Acid Iron Mineral and how this iron was gotten out of the earth and then concentrated and he said it was powerful stuff. He told me it would help my catarrh if I snuffed a little mixed in water as strong as I could stand. I started doing that and was amazed how few drops I could stand mixed in half a glass of water. It is great stuff. With in a few hours my head was cleared and sleep from that time on was easy and restful. Breathing was free and my hearing was vastly improved. I certainly considered it a wonderful remedy for catarrh. I don't know whether many people take it for that but it surely does the work. I gladly recommend it to others troubled as I was," declared Mr. Kennerly.

Note:—Hundreds of people have endorsed Acid Iron Mineral for catarrh. Folks wishing to get immediate relief should try it. Don't put more than a few drops in a glass of water at first. Increase the amount of iron each day for a few days, and you'll be amazed at results. Incidentally, it might be mentioned that nothing under the sun is better than Acid Iron Mineral for sore throat. A little diluted and gargled, stops swelling and heals quickly. A swallow or two won't hurt any one.

Being just plain, natural iron, concentrated, it's about the handiest remedy about the house. Get a bottle, The A-I-M trade mark is your guarantee of strength and quality. All druggists have it.

**Red Cross**

**Begins New Year with Almost Fifteen Million New Members**

New York, Jan. 2.—The American Red Cross will begin the new year with a membership of more than 20,000,000, it was announced here tonight at the close of the nation wide enrollment campaign. Every one of the 13 national divisions exceed the quota set for it by Red Cross headquarters in Washington.

Actual new members added to the organization were 14,853,535. The Southwestern division contributed more than any other, 3,250,000. The other divisions and the number of new members follows: Central 2,750,000; Lake 2,200,000; Atlantic 1,600,000; Pennsylvania 1,450,000; New England 1,200,000; Northwestern 559,535; Pacific 500,000; Northern 388,000; Gulf 375,000; Potomac 260,000; Southern 250,000; Mountain 181,000.

The figures given out by Red Cross headquarters here tonight show a discrepancy of 100,000 between the total announced and the figures given in the summary of divisions. The figures could not be revised tonight.

Accurate statement of this country's war aims is not of nearly so much importance as the accuracy of the aims of the boys in the trenches.

Col. House is giving evidence of having associated with the French people. He has broken his customary silence long enough to assure a reporter who interviewed him that the American mission was a success.

**BANKRUPT NOTICE**

In The District Court of the United States for the Western District of Virginia. In Bankruptcy. In the matter of William Thomas Allan Bankrupt IN BANKRUPTCY. To the creditors of William Thomas Allan of Big Stone Gap in the county of Wise, and district aforesaid, a bankrupt. Notice is hereby given that on the 1st day of December, A.D. 1917, the said William Thomas Allan was duly adjudicated bankrupt, and that the first meeting of his creditors will be held at My Office in Norton, Va., on the 12 day of January, A. D. 1918, at 10 o'clock in the forenoon at which time the said creditors may attend, prove their claims, appoint a trustee, examine the bankrupt, and transact such other business as may properly come before said meeting. John Roberts, Referee in Bankruptcy. This December 31st, 1917. Norton, Va.

**Legal Blanks**

For Justice of the Peace.

We have the most complete set of forms for use by Justices of the Peace of any house in Virginia. Our prices are

75 cents per Hundred of an assortment of blanks. Cash with order which can always be filled promptly. Always order by number.

- 1. Warrant of Arrest.
- 2. Commitment to Answer Indictment.
- 3. Certificate of Commitment for Trial.
- 4. Commitment until Fine and Costs are Paid.
- 5. Recognizance upon Appeal.
- 6. Recognizance upon Appeal.
- 7. Warrant Discharging from Jail, upon Appeal.
- 8. Complaint for Peace Warrant.
- 9. Peace Warrant.
- 10. Search Warrant.
- 11. Warrant in Debt.
- 12. Note on Damages.
- 13. Execution.
- 14. Garnishee Summons.
- 15. Infringing Bond.
- 16. Forfeiting Bond.
- 17. Affidavit for Summons in Unlawful Detainer.
- 18. Summons in Unlawful Detainer.
- 19. Affidavit for Distress Warrant.
- 20. Distress Warrant.
- 21. Complaint for Attachment against Removing Debtor.
- 22. Attachment Against Removing Debtor, with Garnishee Process.
- 23. Attachment Bond.
- 24. Deed of Conveyance, with certificate.
- 25. Deed of Trust, with certificate.
- 26. Deed of Lease.
- 27. Homestead Deed.
- 28. Declaration in Assumpsit.
- 29. Declaration in Debt on Bond.
- 30. Declaration in Debt on Promissory Note.
- 31. Declaration in Debt on Negotiable Note.
- 32. Notice of Motion on Note, Bond, or Account.
- 33. Power of Attorney.
- 34. Notice to take Depositions.
- 35. Indictment, General.
- 36. Indictment, Special.
- 37. Commissioner's Notice.
- 38. Abstract of Judgment Before Justice.
- 39. Warrant in Detinue.
- 40. Garnishee Summons and Judgment.
- 41. Subpoena for Witnesses.
- 42. Contract and Agreement.

**Wise Printing Company**

Incorporated

Another Broken Arm from Cranking!



**DON'T LET YOUR FORD BREAK YOUR ARM**

A wonderful safety crank just invented, makes accidents from back kick impossible. With a CARSON SAFETY CRANK on your FORD the handle cannot fly back. If engine backfires, crank automatically disengages from crank shaft. You can advance the spark plug, which requires a quicker start of motor. It is simple, nothing to get out of order, does not jam up, with engine not hot, takes less than 15 seconds to install. Price, \$2.50 delivered, but it is worth more than this low price to you. Write for catalogue. Send us \$2.50 and we will send you a Carson Safety Crank under a binding guarantee of satisfaction. You can return it at our expense and receive a full refund. Order your crank today or write for free catalogue. Carson Manufacturing Company, 1209 Market St., Richmond, Va. Agents Wanted. Territorial rights open some places.

**It Helps!**  
There can be no doubt as to the merit of Cardui, the woman's tonic, in the treatment of many troubles peculiar to women. The thousands of women who have been helped by Cardui in the past 40 years, is conclusive proof that it is a good medicine for women who suffer. It should help you, too.

**Take CARDUI The Woman's Tonic**  
Mrs. N. E. Varner, of Hixson, Tenn., writes: "I was passing through the ... My back and sides were terrible, and my suffering indescribable. I can't tell just how and where I hurt, about all over, I think ... I began Cardui, and my pains grew less and less, until I was cured. I am remarkably strong for a woman 64 years of age. I do all my housework." Try Cardui, today. E-76

**JOB PRINTING**

Don't think you are getting REAL job printing just because you are having your work done at a "printing office." Investigate and learn for yourself that there is a vast difference between real job printing and "just printing." We are prepared to do

**REAL PRINTING**

Not only because we have the equipment, but because we possess the "know how." Our long experience and knowledge in the printing business enables us to handle job printing on a saving basis. We will share this saving with you and will guarantee every piece of work turned out in our plant. Will you bring that next job to us and have it done right? No long waiting for the finished product. We do things "Now."

**WISE PRINTING COMPANY**  
Incorporated  
Big Stone Gap, Virginia

**Southern Railway System**

Condensed Time Card  
EASTERN TIME  
No. 1, Daily: Lv. Mountain City 6:30 a. m.; Elizabethton 8:15 a. m.; Ar. Bristol 9:20 a. m.; Lv. Bristol 10:30 a. m.; Gate City 11:15 a. m.; Ar. Albert Yard 11:30 a. m.; Connects with No. 3 at Albert Yard for Appalachia.  
No. 2, Daily: Lv. St. Charles 7:45 a. m.; Appalachia 8:50 a. m.; Gate City 10:41 a. m.; Moccasin Gap 10:45 a. m.; Ar. Bristol 12:10 Noon; Connects at Moccasin Gap with No. 3 from Bulls Gap.  
No. 3, Daily: Lv. Bulls Gap 8:45 a. m.; Moccasin Gap 10:45; Gate City 10:45 a. m.; Big Stone Gap 12:48 p. m.; Appalachia 1:30 p. m.  
No. 4, Daily: Lv. Appalachia 1:30 p. m.; Big Stone Gap 1:45 p. m.; Ar. Bristol 3:15 p. m.; Gate City 3:25 p. m.; Ar. Bulls Gap 5:15 p. m.; Connects at Albert Yard with No. 6 for Bristol and Mountain City.  
No. 5, Daily: Lv. Bristol 4:40 p. m.; Gate City 6:15 p. m.; Big Stone Gap 7:52 p. m.; Appalachia 9:05 p. m.; Ar. St. Charles 9:45 p. m.  
No. 6, Daily: Lv. Albert Yard 3:05 p. m.; Gate City 3:15 p. m.; Ar. Bristol 4:40 p. m.; Lv. Bristol 5:10 p. m.; Elizabethton 6:15 p. m.; Ar. Mountain City 8:10 p. m.  
No. 9, Daily, except Sunday: Lv. Bulls Gap 11:10 a. m.; Ar. Rogersville 12:05 p. m.  
No. 10, Daily, except Sunday: Lv. Rogersville 7:55 a. m.; Ar. Bulls Gap 8:30 a. m.  
No. 11, Daily, except Sunday: Lv. Bulls Gap 5:15 p. m.; Ar. Rogersville 6:09 p. m.  
No. 12, Daily, except Sunday: Lv. Rogersville 3:15 p. m.; Ar. Bulls Gap 4:10 p. m.  
W. E. ALLEN, D. P. A., Bristol, Va.

**N. & W. Norfolk & Western**

Schedule in Effect  
Nov. 22, 1914.  
LEAVE NORTON, VA. 6:45 a. m. and 2:30 p. m. for Bluefield and intermediate stations. Parlor Car on 2:30 p. m. train. Connection at Bluefield with Trains East and West—Pullman Sleepers, Dining Car.  
LEAVE BRISTOL, VA. Daily, 8:45 a. m. for East Hartford, Roanoke, Lynchburg, Petersburg, Richmond and Norfolk. Pullman Parlor Car to Richmond. Roanoke to Hagerstown. Pullman sleeper Hagerstown to New York.  
5:00 p. m. for Norfolk and intermediate points. Pullman Sleepers to Norfolk 1:32 p. m. and 7:50 p. m. (limited). Solid trains with pullman sleepers to Washington, Baltimore, Philadelphia and New York via Lynchburg. Does not make local stops.  
12:15 p. m. daily for all points between Bristol and Lynchburg. Connects at Walton at 5:40 p. m. with the Chicago Express for all points west and northwest.  
W. C. SAUNDERS, G. P. A.  
W. B. BEVELL, Pass. Trac. Mgr., Roanoke, Va.

**Dr. G. C. Honeycutt**  
DENTIST  
BIG STONE GAP, VA.  
Office in Willis Building over Mutual Drug Store.

**FOX & PECK,**  
Civil and Mining Engineers.  
Big Stone Gap, Va. Hartan, Ky.  
Reports and estimates on Coal and Timber Lands. Design and Plans of Coal and Coke Plants, Land, Railroad and Mine Engineering. Electric Blue Printing.

**DR. G. M. PEAVLER,**  
Treats Diseases of the Eye, Ear, Nose and Throat.  
BRISTOL, TENN.  
Will be in Appalachia Third Friday in Each Month.  
may 15-25-1

**S. S. Masters & Co.**  
General Blacksmith  
Repair Work.  
Boiler and Machine Repairing. Horse-shoeing a specialty. Wagon and Buggy Work. We make a specialty of putting on rubber tires. All work given prompt and careful attention.  
Big Stone Gap, Va.

**Dr. J. A. Gilmer**  
Physician and Surgeon  
OFFICE—Over Mutual Drug Store  
Big Stone Gap, Va.

**DR. THOMAS F. STALEY**  
Refractionist.  
Treats diseases of the Eye, Ear, Nose and Throat.  
Will be in Appalachia FIRST FRIDAY in each month until 3 P. M.  
BRISTOL, TENN.-VA.

**J. C. CAWOOD**  
BLACKSMITHING  
Big Stone Gap, Va.  
Wagon and Buggy work A Specialty  
I have an Up-to-date Machine for putting on Rubber Tires. All work given prompt attention.

Discarded civilian clothing of National Army soldiers will be shipped to the Belgium for relief of sufferers there.

**Help The Railroads.**  
When you order fertilizer and other spring supplies late, your agent or dealer orders out a minimum car:  
  
Loaded Like This  
This car carries 180 bags  
More than half the space wasted  
He can't afford to wait for other orders; shipments caught in the rush of the season may be delayed too long. Fertilizer must be delivered before planting time.  
When you order early, it gives your dealer or agent a chance to combine orders. He orders out his fertilizers in full capacity cars:  
  
Loaded Like This  
This car holds 600 bags  
All the space used  
This means not more business for him, but better service to you. The car shortage is relieved. One full car does the work of three minimum cars. The other cars can be used for hauling farm supplies—which helps you for the carriage of food—which helps produce and consumer alike; and for transporting munitions and war supplies—which helps the Nation.  
The railroads have a doubled importance in times of war. They are a vital part of our system of national defense. They deserve our full cooperation so they may give their best service to us and to our Nation.  
**ORDER CARS LOADED TO CAPACITY**