

Soddy, Tenn.

Gold and snowy weather seems to be the order of the day.

There was a large crowd went out on the mountain to Hiram Gibson's Saturday night to meeting.

We were glad to see a piece in the News from "Black Eyes." Hope she will write more next time.

A. R. Franklin doesn't seem to be improving very fast, but W. W. Morrison is very much better. Sorry to hear that Mrs. Bessie Bailey's baby has been sick. Hope it will soon recover.

I saw in the News that "Black Eyes" wanted to know Mr. and Mrs. J. B. Warren's address. Their address is 70 West Moore Ave., Terrell, Tex.

I sure was glad Jim Looney was able to go and see his sister. Wish he would step down to Soddy. Ye writer would like to see him and all the rest.

Miss Bessie Franklin called on Miss Susie Morrison Sunday afternoon.

Miss Susie Morrison went out on the mountain to her uncle, Hiram Gibson's to church Saturday night.

I saw in the News where Walter Sexton wanted to know if Jim Yather was at Soddy. If it is Tilda Yather's father, he is dead.

Mr. McBride died last Friday having been hurt by the trips that bring coal from the mines. Want to hear from all next week, especially "Black Eyes." Red Rose.

Subscribe for the News.

A FAMILY MEDICINE

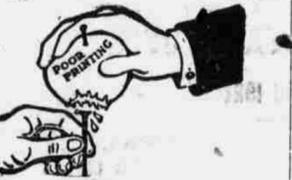
In Her Mother's Home, Says This Georgia Lady, Regarding Black-Draught. Relief From Headache, Malaria, Chills, Etc.

Ringgold, Ga.—Mrs. Chas. Gaston, of this place, writes: "I am a user of Theford's Black-Draught; in fact, it was one of our family medicines. Also in my mother's home, when I was a child. When any of us children complained of headache, usually caused by constipation, she gave us a dose of Black-Draught, which would rectify the trouble. Often in the Spring, we would have malaria and chills, or troubles of this kind, we would take Black-Draught pretty regular until the liver acted well, and we would soon be up and around again. We would not be without it, for it certainly has saved us lots of doctor bills. Just a dose of Black-Draught when not so well saves a lot of days in bed."

Theford's Black-Draught has been in use for many years in the treatment of stomach, liver and bowel troubles, and the popularity which it now enjoys is proof of its merit.

If your liver is not doing its duty, you will suffer from such disagreeable symptoms as headache, biliousness, constipation, indigestion, etc., and unless something is done, serious trouble may result.

Theford's Black-Draught has been found a valuable remedy for these troubles. It is purely vegetable, and acts in a prompt and natural way, regulating the liver to its proper functions and cleansing the bowels of impurities. Try it. Insist on Theford's, the original and genuine. **27**



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CHARLES BUCHNER

FOR SALE.

FOR SALE—Pen and pencil, tablets, note and letter sizes, at News office.

FOR SALE—Strong glue in small bottles for mending articles, at News office.

FOR SALE—Pencils, pens, penholders, colored crayons, lumber crayons, rubber bands, etc., at News office.

FOR SALE—Cement, at News office, Sequatchie.

FOR SALE—Used oil, 100 qt., from automobiles. Grease your hogs and kill the lice. Apply at this office.

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FOR SALE—Bright, clean straw for beds 50c bale. W. C. HILL.

FOR SALE—Composition books, time books, ledgers, note books, at News office.

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FOR SALE—Envelopes with name and address printed thereon, 50c per 100; by mail 55c. News Publishing Co., Sequatchie, Tenn.

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SEQUATCHIE, TENN.

MUSCLE SHOALS NATION'S BULWARK

Big \$60,000,000 Nitrate Plant a Defense for Future Generations.

INSURES NATIONAL DEFENSE

Assurance of Abundant American Explosives a Reason Why Germany Quit.

By GARRET SMITH.

One of the chief fortresses of America's new military defense system which developed out of the World War is the Ammonium Nitrate Plant at Muscle Shoals, Alabama, on the Tennessee River, over three hundred miles from the seacoast, capable of turning out 300 tons of high explosives a day. It assures to the United States for all time an abundance of ammunition without which an army is a helpless encumbrance and it has made this unlimited supply of explosives available without resort to raw material from outside of the country.

The essential ingredient of all modern military explosives is nitric acid. Before the World War, America was entirely dependent upon Chile for the supply of nitrate of soda, the only chemical from which nitric acid can be made. In case this country became involved in war with any nation that could control the sea our foe would have us at her mercy, for she could cut off our essential means of striking back.

Other nations, however, were equally dependent upon the Chilean nitrate supply. Germany was purchasing one-third of it. She had expected to hold the sea with her submarines but failed. But a process for extracting nitrogen from the air had been obtained by Germany some years before from Italian chemists. This process had been successful in producing a high grade nitrogenous fertilizer from which in turn could be extracted ammonium nitrate. Germany, therefore, fell to manufacturing ammonium nitrate from the air on a large scale.

Americans Buy German Secret.

In 1907 an American company, headed by Frank S. Washburn, had secured the American rights to this process from Germany and had gone into manufacturing the fertilizer on the Canadian side of the Niagara Falls. When America found herself in the World War the Ordnance Department turned to Mr. Washburn's company for help. The Air Nitrates Corporation was formed, with Mr. Washburn at its head, to build the Muscle Shoals plant. It was assisted by several other well known corporations, such as the Westinghouse Church Kerr Company, which put up the plant buildings, the permanent city and utilities; the J. G. White Corporation, which designed and constructed the power plant; the Chemical Construction Company, which designed and built the nitric acid plant, and the M. W. Kellogg Company, which furnished the piping and built the chimneys.

Beginning work in November, 1917, the big plant and new city at Muscle Shoals was completed within one year's time. Had the expected spring drive of 1919 materialized this one plant alone would have been able to supply 13 per cent. of all the high explosives used by all the Allied armies on all fronts during that drive, and the United States was secure for all time to come against an ammunition shortage.

When the arrangement was finally made for building the big air nitrate plant, work was begun on a power dam at the same point. This work is being conducted directly by the United States Engineering Corps. It will not be completed, however, for two or three more years. It was necessary, therefore, in order to insure immediate operation when the nitrate plant was completed to construct a \$10,000,000 steam power plant, one of the largest steam plants for the production of continuous electric power in the world. It is pointed out that even had the water-power plant been completed during the war it would have been necessary also to have constructed a steam plant to insure the nitrate plant working at full capacity at all times during the year.

Plant Worth All It Cost.

Now, this entire job cost the Government \$60,000,000. It was put through at a time when the prices of materials and labor were at their summit. It was built at record speed, and speed costs money. The question naturally arises, then, as to whether Uncle Sam got his money's worth.

Tests made after the plant was in operation showed that ammonium nitrate of standard specifications could be produced at this plant at a cost of less than one-half the standard fixed price paid by the Government for ammonium nitrate produced by the older methods. This cost is only about one-fourth to one-fifth the cost of other high explosives of equal strength. Compared with the older process for making ammonium nitrate, the savings made by this plant would have paid for the entire plant in about one and one-half years of operation.

The chief value of the Muscle Shoals plant, however, will be as a defense to coming generations.

Superior, Wyoming.

Special to the News.

The high cost of living seems to be the order of the day.

The miners of this district are again on the job, hoping and trusting for our proposed increase of wages. If the editor will allow me a little space in his good paper, I will quote a few of the prices that we are receiving under the fourteen per cent raise: Trackmen, \$6.18; Dumpmen, \$6.02; drivers, \$8.18; timbermen; \$6.18; couplers, \$6.18. With the proposed rate we shall have a fairly decent wage.

Come on, "Ragged Tom," of Logansport, Pa. We enjoy reading your articles every week, but, honest, "Tom," I thought you had done been and died, but you know you can't keep a good man down, or a Ketner Cove squirrel up a tree.

We haven't heard from Mr. Girdley of Eastland. I guess he has been busy doing his Xmas shopping.

We are sorry to hear of Uncle John Mason's death as ye writer always believed him to be a good man and his best friend.

Clarence Holmes has accepted a position as office clerk, with the Rock Springs, Superior, Coal Co.

Edward Turner, of Greeley, Col., is now working in Superior.

I wonder what has become of old Dr. Garfield. Some one asked if he was related to President Garfield. No, I do not think so, as the President was a good man. Silk Hat Harry.

RED CROSS TO CO-OPERATE.

Dr. Livingston Farrand, chairman of the Central Committee of the American Red Cross, and who formerly headed the National Tuberculosis Association, has set out clearly the peace-time program of the American Red Cross to the Anti-Tuberculosis Associations of the country.

Dr. Farrand, in his statement, makes it plain that it is not the purpose of the Red Cross to supplant any well regulated and active organizations such as the Anti-Tuberculosis Association or the National Organization for Public Health Nursing, but will co-operate and co-ordinate their activities with its own.

"The Anti-Tuberculosis Associations are doing a most wonderful work against a most dreadful disease," said Doctor Farrand. "They have a field of their own in which to work that in no way conflicts with the Red Cross and in which we should aid them in every way possible."

Children Cry for Fletcher's

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VALUABLE DOGS

Some miscreant killed two fine hunting dogs Tuesday night, the property of E. E. Brewer, this city. He was coon hunting along Little Sequatchie river, and heard two shots fired in the direction his dogs were tracking, and going to the place found two fine hounds dead. He is very indignant over the outrage.



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