

THE SEQUACHEE NEWS.

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BRASS,

And Brass Casting.

Success which Ought to mean a New Industry for Sequachee.

Thursday last on invitation of the managers we paid a visit to the Sequachee Valve Works, more particularly to see the casting of a tuyere cooler for the T. C. I. R'y Co.

It will be remembered that in February last Gustafson Bros. took possession of the plant of the Sequachee Manufacturing Co., which was formerly operated by the McKenney Machine Company, of Baltimore, their purpose being to make the valve of which Mr. C. J. Gustafson is the inventor. Since that time a small force has been working, and a foundry and cupola, and other appliances for melting metal have been constructed with a blast connected from main building. Besides this many of the machines have been reconstructed for making the parts of the valves and for the completion of them after being cast.

Mr. Gustafson is his own pattern maker and that very essential part of the work is done in the northerly end of the building. Altogether a great change has been made in the arrangement and location of machinery for the new business, the successful fruition of which we ardently desire.

Accompanied by Mr. Gustafson we made an examination and found the valves in process of completion from the rough casting to the nearly complete valve and the various parts connected with the same, in their different stages of manufacture.

Of the merits of the Gustafson valve, which is made in many sizes, there seems to be no doubt, and it embodies the principal of instantaneous cutting off steam, etc., by direction of leverage. Where used they are giving satisfaction, and we are told parties are clamoring for a supply to fill demands. Passing to the office we found the Misses Gustafson in charge busily engaged in making blue print drawings for patterns. These ladies take care of the office work and many other details, and anything they have charge of it is safe to say is well done, and their

comprehension of the details of patterns, castings and other minutiae is something astonishing. Besides the alterations made in machinery, we looked at patterns upon patterns for the various sizes of valves which bore evidence of good workmanship.

But we did not come to look at valves entirely. Some time since this firm received a contract from the T. C. I. & R. R. Co., to make castings to be used in connection with their blast furnaces and we came to see how it was done.

In order that our readers may get an idea of what these castings are we must go back a little, and say when we heard that tuyeres were to be cast in Sequachee, we had no conception or idea as to what they were and how applied but we found out and here it is.

The blast pipe which is attached to the furnace has to be connected and if possible prevented from burning out and the pipe is held in place, first by what is known as a monkey, then, outside that a tuyere, and then a tuyere cooler, which looks like a large flower pot, inside of which a double rim is cast to admit of the continuous passage of water to keep the end of the blast pipe or nozzle cool and from burning off by its too close proximity to the melting metal. The cooler is the heaviest piece and weighs from 415 to 420 lbs., the tuyere proper being smaller and consequently lighter.

For some weeks efforts have been made to cast these coolers successfully and after eight attempts, one only being a success, the moulder then in charge of the foundry retired and was succeeded by Mr. I. Swanson of Chattanooga, an experienced mechanic, who took hold and cast seven perfect coolers in succession, each one perfect and satisfactory. The metal of which they are made is a composition of copper and brass and for each casting about 700 lbs. of metal is melted and in its reduction suffers a loss of 15 per cent. so it can be readily seen how necessary it is that no failure should occur.

We found Mr. Swanson a quiet, practical man, who is evidently well informed in his business who informs us that with the appliances at this foundry, and by increasing the force, four or five of these coolers could be cast daily, and in passing, complimented Mr. Gustafson's patterns highly as being perfect and the best

he ever worked from in a business experience of some eighteen years.

We have been told that all the iron furnaces of the country have to rely on Pittsburg, Pa., for all these furnace appliances, if so, through their not being able to get them nearer, a good field is now opened for this particular supply right here, and as furnaces are starting into blast in every direction from us, this place should have the business instead of sending north for supply. If the argument is good that the furnace and cotton mill is going to revolutionize these trades, all the appliances used in connection with these manufactures ought to be made on the spot and save delay in waiting for goods from long distances.

We look upon the successful casting of these things as a good omen and a trade ought to be worked up for them, which in connection with the valves to be made would help the business of this section.

Now, Sequachee casts tuyeres and tuyere coolers for blast furnaces: it also makes valves in iron or brass. Perhaps some other things may turn up, but these alone should make Sequachee a live, bustling town. May it be so.

LOCAL.

We don't have any croquet now. Why?

Sam Pryor went to Jasper Tuesday.

Mr. W. S. Pryor visited Jasper Monday.

Mr. Gustafson visited South Pittsburg Friday.

Mr. Jas. Degnan returned from Chattanooga Saturday evening.

Miss Kate Haynes has returned home from her visit to Victoria.

We are indebted to M. Campbell for a copy of the Coming Nation.

Mr. C. Gabel has left Chattanooga and gone to Birmingham, Ala.

Mr. G. Sherman went to Chattanooga Friday returning same evening.

The painting of the store front of Mr. Sherman's brick looks encouraging.

We do wish a road could be built up the mountain, so one could get to the top easily.

Mr. and Mrs. Robbins of Kimball and family visited Mr. and Mrs. Haynes Sunday last.

Mr. and Mrs. C. H. Davidson and baby went to visit Mr. B. Alder Saturday returning Monday.

Mr. Joseph Walker of Beersheba Springs and his sister, Miss Hattie are visiting Mr. and Mrs. Kilgore.

A child of Mr. Brooks Owen who died Saturday was buried Monday on the extension of Maine avenue.

The frosts of Sunday and Monday say, "Get up your sweet potatoes." Three white frosts generally mean rain.

We are glad to receive subscriptions from Rochester, N. Y., and Kansas, which adds a new state to our list.

We plead guilty to a desire to sample a roast of the pork raised by Mr. Wm Owen on sunflowers and artichokes.

We congratulate the people of Jasper on the fact that Rev. L. M. Cartwright is to remain with them another year.

Thanks to the enterprise of Mr. C. H. Davidson, we got some coal and fires night and morning are very enjoyable now.

Job work can be done while you are in town at our office. Give us a trial and you will be surprised at the satisfaction we give you.

We hear that George Coppinger has hired the Walker place at the head of Dixon Cove and that Mrs. Foster and family will move there.

Miss Hattie Walker who has been spending the summer at Kimball, is about to visit her parents at Beersheba Springs on the other side of the mountain.

Next Teachers Institute will take place at Deptford, Friday and Saturday, November 1 and 2. The next one after that will probably be across the State line.

But the nuts, walnuts, chestnuts and hickory nuts, how they keep rattling down and how the childrens' expand as they carry home their well-filled bags for winter use.

Mr. I. Swanson went to Chattanooga to visit his family Friday and returned Tuesday. He proposes if he can make satisfactory arrangements to move his family here soon.

The mountain sides looking in any direction in the valley are just now grand in the glint of the various colors. As the sun strikes them it makes an exquisite mosaic. The woods are not all a flame here with sumac as at the North, but, have some lovely under-tones which are very soft and pleasing.

You can earn \$5 each day "giving" our absolutely indispensable household article away. New plan of work, making experience unnecessary and success certain for either sex in any section. Sample dozen free. Credit given. Freight paid. Address, MELROSE MFG. Co., 85 Melrose Park, Ill. Oct 10, 4t.