# EDITORIALS.

MORE ABOUT IRON.

THE manufacture of iron in Utah labor, skilled and ordinary, is in our opinion one of the things that are as theoretical, others practical, and now give place to a communication from the proprietor of large claims in Iron County, who ought to know whereof he speaks. We expect to present other suggestions and arguments, and statements of fact bearing on this question, that it may be kept before the attention of our wise men and those who are able to engage in a business that requires considerable money, but promises a rich return for the investment:

"It does appear to your correspondent that the manufacture of iron is of such vast importance to of its patent exterior. We are glad our Territory, that those who wish to see its progress. There are sev- sugar in the cider press, or better, to encourage it should aim at the eral papers in the Territory of the most speedy and practical way of patent half character. One part mush sugar is placed, without any by the building of blast furnaces, printed in California, the other half home market with that article.

intimates that there is no place in which bears his name, and fiction the immediate vicinity of the south- claims a large proportion of its space. ern iron mines suitable for exten- However, it is a cheap and easy way sive iron manufacture, etc.

about getting water from above; and | to others. of late, in opening a body of coal two miles above the works (which bears evidence of being as good quality of coal as any yet found in Utah) at a depth of 30 feet, we struck so

In the next place, I will show that Iron ought to be made here. In the first place, it has been made forts on a large scale were made in here, and came very near being a great success, although it was 200 cessful for reasons which need not miles from a railroad; and if iron could be made at \$32 per ton, and freight the ore and charcoal from 30 to 168 miles, it could be made for \$25 per ton at Iron City, where every prerequisite is found in close proximity and the charcoal can be obtained for 10 cents per bushel, there being tens of thousands of acres of prominent products. timber right around Iron City. So then I have shown that we have a beautiful, healthy location suffi cient for a city of 5,000 and large iron works, plenty of good, pure spring and well water, coal and charcoal. We have also plenty of building rock and clay for brick, on the ground, out of which there is now ready for use, a foundry, machine shop, pattern shop, blacksmith shop, dwelling houses and a school house built of brick, besides other buildings of rock, adobies and smaller scale: lumber, consisting of engine house (with a 20-horse power steam engine) and wash the beet. butcher shop, store, offices and dwelling house, charcoal house, two grater, cylindrical is the best. quantity of material, such as cut ing. Place the pulp in a course sack, that his lord is deaf. And when ing the organization. If the Utah THE increase of crime troubles many rock for a large blast furnace, the fitting in the press; a strong cider travelling along the road, should be Southern railroad is projected from fire rock, fire clay, moulding sand press can do it. lime rock of the best quality, and Use this second expressed Juice of rant persons is such that Sheffy is cal works established there. The assaying from 60 to 70 per cent. me- batch. Next comes the Blowout Mountain ing to batch, to be used for defecator. that is noted for his attention to the dependent on springs for its water increase in Kentucky, and the im-

Spring mining district, as stated it to a boil. When white scum apas an extensive enterprise engaging Great Western Iron Mountain, with another tank or vessel. much capital and a vast amount of a large body of black magnetic ore Place the scum and sediment lar project or organization, nor susare some 15 other claims of different with defecated juice. sure to be, as anything not actually kinds of ore, all of it good enough to Now add one-half per cent. of iron products of the Territory, but accomplished. We have published ship if necessary. The foregoing phosphoric acid, showing a strength merely to keep the matter in agitaseveral articles on this subject, some property was offered to the commit- of 40 degs. B., mix well. It will tion, with the hope that something ery such as lead or copper furnaces, tee appointed by the Board of Trade precipitate the lime as phosphate of practical will grow out of its discusto commence operations with at lime. for one that if it was taken hold of lime settle together, and with intelligence and economy that it is the very thing needed for this by evaporation to a weight of about 'There is millions in it'

THOMAS TAYLOR."

## A COMMENDABLE CHANGE.

THE Logan Leader has grown out going to work not only on paper, but patent-half character. One part making pig iron, and supplying our in Utah. They are all objectionable on that ground. The editor cannot Your correspondent of the 2d inst. possible control one half the paper of publication, and in some sparse-Now let me state what there is ly settled districts is the only form there, for I have spent a great deal possible if a large sized sheet is deof time and observation upon the manded. And here is a considerasubject during the last four years. tion for the Cache Valley folks. Iron City is beautifully situated in a They must be prompt and liberal in most healthy location, being north sustaining their local paper or it will of the rim of the basin and conse. not be able to tear the extra expense quently is not excessively hot or involved in the composition of a there are at least a dozen flowing a financial success, it would be bet- ligion. springs of water within half a mile ter to issue a smaller sheet all home of Iron City. Mr. E. Hanks, one of made, than return to the patent outthe former owners, tells me that the side of foreign matter and spirit. | time ter, sufficient for every purpose, that | Leader increased prosperity and in-

## SUGAR MAKING.

THE subject of the manufacture of this direction, which were not sucnow be discussed. Since then, individual experiments have been attempted, which have demonstrated the fact that sugar of good quality can be made from Utah-grown beets, and indicate that at some time in the history of the Territory, way of attracting the attention of beet sugar may become one of its his hearers. This way, to a believer

of value to all engaged in the busi- vine. ness here, whether on a large or a

charcoal kilns, with the land on 3. Use for first batch of pulp, from spreads his blanket, kneels down, a view of obtaining the aid of capital which the buildings stand with gov- 10 to 15 per cent, pure soft water, to and vociferously shouts to his lord and machinery, or rather what the ernment title secured. A large be mixed with the pulp while grat- for his blessings, believing no doubt prospects are in the event of effectpresent one being too small. There press will do. Press out the juice. see a few persons coming, down Lehi through Tintic and connected is also a great many tons of pig iron Empty out the pressed pulp in a tub goes the blanket and its owner in with the present established route at furnace; there is also an air furnace | cent. (by weight) of pure soft water; | and see his devout piety. built of brick, 30 feet high, there are and press again as thorough as the The effect of these foolish actions when constructed would form an

the best of iron fluxes all within the first batch, to the grating of the by them almost deified. And he, proposed location of works has been two and a half miles of Iron City. second batch instead of water as not too crazy to be very cunning, made for the reasons stated in my Within a quarter of a mile of the above; and so on alternately. But takes advantage of their credulty, article. And particularly for its toal commence the Iron mines, continue to use the 100 per cent, of and visits about from place to place, central position and ample water

from Iron City and not in Iron pure lime with the juice, and bring them home.

in the article of the 2nd inst. The pears in the cracks of the crust it ore is a magnetite, cont nuing in boils; then remove or extinguish WE give place to-day to another five other claims, assaying from 70 the fire. Draw off the defecated to 75 per cent., containing millions clear juice by a syphon or swingof tons ore on the surface, culminat- pipe, placed about 21 inches from ing on the top of what is termed the the bottom of the defecator, into

on the summit that can be seen in from the defecator in the expressing taining any opinions in regard to the for an iron works, as the gases evolv. all directions for 50 miles. There bag, press the juice out and mix it best method of starting an enter-

very reasonable terms, and would it 5. Now mix with the juice 5 per set forth in the following article we not be the very place for the com- cent. finely pulverized bone-black, consider of value to all who are inmencement at least? I am satisfied and let this and the phosphate of vestigating the question of the feasi- of one of the largest water powers in

6. Condense the defecated juice community, in the right place, and 11 to 13 pounds, or about 12 pounds per gallon.

> 7. Put the condensed juice away in a place about 80 degs. warm. And if the beet juice is all right

it will crystallize in a short time. 8. When crystallized, place the mush sugar in a strong factory sack and press the syrup out from the mush sugar is placed, without any sack, and the syrup is wrung out, and a crude brown sugar will be the result.

cessfully for sugar."

#### BOB SHEFFY.

THE ECCENTRIC PREACHER OF SOUTH-WEST VIRGINIA.

Country people have but few incidents of life to feed the universal de-

old company had grants of water The present number is not up to the little mountain valleys of this had an opportunity of obtaining data terprises is conducted on a co-operaabove the works, but by digging usual mechanical standard, but at- region, and supplied the inhabitants bearing on the prices of labor in tive plan; to wit, the employees are wells from 10 to 20 feet they struck tention to press and rellers will re- with excitement by his peculiar rolling mills in Europe, from a gen- allowed to purchase and hold a lim such an abundance of excellent wa- medy this, no coubt. We wish the methods of dispensing with the gos- tleman connected with the North ited amount of dividend-bearing pel. He is the king of Methodist Chicago Rolling Mills. The prices stock, while the capital employed they never troubled themselves fluence, and commend its example shouters, and has method in his paid ranged from 15 to 40 shillings away for awhile, seeking an oppor | United States at that time for the much water that we had to stop sugar from the beet has been agi- calling for a lord that never comes, Europe were the highest. He adwork until we could put in a pump. tated on several occasions in this and have all sunk into under the midnight the midnight to the midnight t Territory. Years ago practical ef- quiet repose, near the midnight their expenses, invest large sums in sulted in removing all conflicts beawaking the assembly and arousing their own houses, and a great numall to a babel of excitement, while ber have very respectable and well with renewed efforts they crowd the furnished houses." mourners' bench and shout and pray till again exhausted.

TREE CLIMBING.

Sheffy has developed an original in the Darwinian Theory of the As further experiments will be descent of man, would be another tried in this direction, some sugges- proof of the affinity between man tions from practical home workers and the monkey. Leaving the will be of advantage. We therefore stand of a camp meeting, in present the following from C. A. the exuberance of his spirits, Madsen, Esq, whose name has be- he mounts a tree, and swinging come prominent in this Territory as himself like an ape from limb to the successful manufacturer of sugar limb, he shouts and exhorts with from the Amber variety of sorghum. renewed effort, while his audience is He has also worked with the beet in lost in wonder at his temerity, and sugar making, and his hints will be look upon his actions as all but di-

NOVEL WAY OF PRAYING.

"1. Cut off the tap root and top, ket with him, which he chiefly uses seology "if it is a square deal." as an altar on which to pray. Going

a group of nine claims of hematite, water for the second pressing of each exacting the choicest viands, with supply—it is distant from the mines turkey and chicken a plenty, for he in Tintic about 30 miles and from callic iron, containing millions of 4. Pour the juice, first expressed is quite as well known for his glut- the mills about 22 miles, which are tons of ore on the top of the ground from each batch, into a kettle or me- tony as for his lunacy. But with all located in Tintic Valley which is at adjoining each other for two miles. tallic-bottomed tank, of size accord- his peculiarities Shiffy! is a gallant best an elevated basin and entirely which is 1,100 feet long by 500 feet | Heat the juice to 160 deg. F. and pretty girls of his audiences. He supply, though sufficient for all mil- proper exercise of the pardoning wide, over 100 feet high, five miles mix one-half per cent. pulverized never loses an opportunity of seeing ling operations going on, it would power is doubtless one of the chief

### IRON AGAIN.

communication on iron manufacture, for the purpose of keeping the subject before the public, not with the object of endorsing any particusion. The information and views

MAMMOTH MILL, Tintic, Utah, July 28th, 1881. Charles W. Penrose, Salt Lake City, Utah,

Dear Sir. - The quarterly statement of the condition of Blast Furnaces in the United States, July 1st, 1881, as compiled from the Iron Age, is as follows:

IN BLAST. OUT OF BLAST. Charcoal Furnaces, Anthracite Bituminous " 144 Total,

In the establishment of an iron An approximate success in this enterprise, and particularly in char- which I forbear to mention. I have simple way, will make it appear coal furnaces, two furnaces are had occasion to notice a feature where the beet can be raised suc- usually erected side by side, and the which is peculiar to iron making enblast supplied from one engine and terprises; that is, if they fail to make blowers, which admits of the con- a successful start it is up hill busitinuous operation of one furnace, and accounts in some degree for the them in successful operation. number of furnaces out of blast at the present time. In fact it is the operation some attention and have case most of the time. A charcoal furnace, of the capacity estimated, well suited to commercial transa would employ about 75 men in all. The number of teams would be as sire for excitement. And the quiet | the distance of the transportation of dry, and has an abundance of land journal of that size. Yet we com- farming population of this district, wood and charcoal. About ten trainwell suited for the establish- mend the departure, and think that not having enough excitement in ed men would be necessary, all the what is or was known as Working ment of the largest iron works even if the venture does not prove their fill in re- others would be men accustomed to Men's Co-operative Associations. common labor; in the event of the have understood that it does not Bob Sheffy, a crazy old man inauguration of rolling mills, train- work as well as was anticipated. of the Methodist creed, has from ed men would be required altogethto time visited the er, or nearly so. In the year 1867, I shouting. Is there a camp meeting sterling per day, which correspondin prayers? Bob Sheffy remains ed closely with the prices paid in the tune chance to draw the attention same class of labor; taking into conof the assembly to his coming. Wait- sideration the value of the United plan is said to work well, and if I am lng till the shouters are tired out, States currency, the rates paid in hour, shouting and singing at Building Societies, Savings' Banks, tween capital and labor within the the top of his voice, Shiffy advances, and the like; many of them live in sphere of that corporation.

Reference has been made to a corporation in process of organization, discoveries of principles, just as we to be known as the Rose of Tintic are getting at a knowledge of electri-Mining Company, which is intended to be a general mining and met- in its practical application, which allurgical enterprise, organized upon a somewhat different basis from many existing mining corporations. It is intended to be utilitarian and progressive, not communistic nor altogether co-operative, but will harmonize within its sphere the existing conflicting relations between capital and labor and aid in some degree the development of the grow. ing intelligence of the human race. claims in Tintic and vicinity have organization if organized upon a hu-Sheffy usually carries an old blan manitarian basis; in their own phra-

In view of this a gentleman form-2. Grate the beet on some kind of into the woods, in some locality erly a resident here is now east on a where he can attract attention, he visit and looking over the field with mised, but not known, this branch upon many superstitious and igno- Important auxiliary to a metallurgi-DIRIGO. not be well suited for a large manu, causes. Yesterday two men fought

facturing enterprise of the character

proposed.

I wish to be distinctly understood upon this point as some parties in. terested here seem to think that any amount of water is obtainable in Tintic Valley, but as the mining ex. pert would say "it is not in sight," Water is not necessary as a power ed from furnaces can be utilized as prise for the manipulation of the fuel for generating steam. Econo. mically employed there would be a surplus of power for other machinand even stamp mills. I built three charcoal blast furnaces using water power, and abandoned its use in the erection of others, within 100 yards bility of iron manufacture in Utah: the State of Wisconsin, the furnaces did much better work.

> I had an opportunity of looking over the blast furnace erected at Ogden some years ago and found it then very defective in some important points of construction, and particularly the arrangements for conveying and distributing the blast: My remarks on this point created some slight exhibition of prejudice against me from some of the promoters or projectors of the enterprise, who, after mature deliberation, consoled themselves by coming to the conclusion that I did not know anything about it, and other expressions, more "vulgar than classic," ness to re-construct them and get

> I have given the question of cocome to the conclusion that although tions it seems more difficult in application to productive industry. I have had an opportunity of seeing its inauguration in England in have understood lately that one of the largest iron manufacturing ensecures a certain per centage as dividends and controls the general management. Any surplus is annually subdivided pro rata amongst the capitalists and employees. 'This correctly informed, was first inaugurated at the iron works represented

> I have come to the conclusion that the harmonious relations of capital and labor is an abstract science and can only be attained by successive city by facts as they are brought out cannot be established by any pre-

conceived code. The establishment of an iron manufacturing enterprise is well worthy of attention, especially to those who are interested in the development of the resources and prosperity of Utah; and there seems no good reason why its inauguration should not take place ere long. If such gentlemen as Hon. William Jennings A number of mine owners or rather and others who control capital, would the owners of prospective mining give the subject an earnest investigation and go to the bottom of the promised to place properties into the question, they would find it to be a safe and lucrative investment.

Very respectfully, Your obedient servant, J. C. CAMERON, Mining Engineer.

# MARRIAGE AND CRIME.

thoughtful persons in the great cities of the United States. It is conceded reserved for castings for the new or tank, and mix it with 100 per prayer, that the observers may hear or near Leamington as it is sur- that in spite of all the agencies at work to educate the masses, and thus as some people think prevent crime by striking at its fancied cause—ignorance, and also to punish the criminal when caught and convicted, offences against law and order, against God and man, are increasing mightily in the land.

As samples of the condition of affairs in Kentucky, the Louisville Post says:

"Crime is certainly greatly on the