Manufacture of Beet Sugar.

H. Orthmann, superintendent of ing as follows:

the future of our own factory, as ing or that may hereafter be founded here:

I.-EXPENSES.

Reckoning the capacity of the factory to be of 12,000 tons of beets, the cost thereof at \$6 per ton will be..... \$72,000 Working 70 tons of beets in 24 hours will require 18 cords of wood, or

a total of 3,096 cords, at \$6.50 per cord..... The above quantity of beets will necessitate employment of 172 double shifts of labor (the double shift at 24 hours) and 26 Sunday

shifts (of 12 hours) or a total of 370 single shifts. Each shift requires 15 white men at \$2, and 30 Chinese at 75 cents, which will make, inclusive of officers, \$60 per shift, total..... The clearing of the juice will require 2 per cent. of lime, or for

12,000 tons of beets 240 tons of burnt lime at \$12.50 per ton..... The use of 15 per cent of bone coal (allowing a turn of five days for the regeneration of the same) will require 50 tons of bone coal at \$75 per top.....

The regeneration of the bone coal requires 11/2 per cent of muriatic acid; this will take for the working of 12,000 tons of beets, at the rate of 15 per cent of bone coal, 25 tons of muriatic acid, at \$6 per Using for 12,000 tons of beets 3,500

yards filtering linen, at 25 cents per yard, makes Coke used for the production of carbonic acid, at the rate of two barrels for 70 tons, requires, for 12,000 tons of beets, 342 barrels

at 81.10 per barrel..... As will be shown hereafter, the 12,000 tons of beets will give 900 tons of sugar, the packing of which requires 9,000 barrels, at 75 cents..... Lighting per year

Four horses for hauling sugar.... 1,000 Repairs..... Sundry expenses..... Total expenses...... \$134,185

II-RECEIPTS.

of the beets at an average to be States to elect their own offcers, only 12 per cent., 100 pounds of governors included. This is a move beets would produce, by working in the right direction. It will refor refined sugar, as follows: First product, refined, 5 lbs., at 121/2

cents...... 621/2cts Second product, refined, 11/2 lbs at 10 cents..... 15 cts Third and fourth product, unrefined, 1 lb. at 9 cents.....

That is in sugar from 100 lbs. of beets...... 851/6cts The above style of working will give on 100 lbs. of beets 2 lbs. of molasses at 1 cent per lb...... 2 cts 100 lbs. of beets will further leave 70 lbs. of remains (selling now at

\$1 per ton) which gives 31/2cts Therefore, 100 lbs. of beets will bring...... 92 cts Which, by working the above estimated amount of 12,000 tons, will bring.....\$220,800 The total of expenses as heretofore

shown, being...... 134,185

Will leave a net gain for the whole

campaign of.....\$ 86,616 The capital invested in a factory

of 34,646 per cent. by all means a crop equal to the when this foul wrong and disgrace H. W Durant, Agt, CHICAGO, ILL fullest capacity of the factory. -Pa- will be wiped out, and instead of our Matches are sold by nearly every rurnished. cific Rural Press.

The English of Deaf Mutes.

the Sacramento Valley beet sugar him, the deaf mute child is set to the burden incident to the authorcompany, has lately made a report the task of acquiring a knowledge ship of a desirable change.-Idaho to the Commissioner of Agriculture of written language. His ideasconcerning the cost and profit of in signs-shape themselves in this the beet sugar industry in this wise: "Horses, two, run fast." Of State. The report refers at the course he does not think these MAMMOTH COAL MINE.-C. H. outset to the consummation of the words. The idea of a horse, its Bevans, Esq., came up from Salt treaty with the Sandwich Islands shape and color, is probably im- City. He informs us that there is for the free admission of cane su- agined in his mind, or if the horse a prospect of a railroad being congar, and closes with a protest against be not present to his sight, the sign structed from Ogden to Corinne to the same. This is apparently the which he uses for that animal the Mammoth Coal Mine. Parties turning point in the industry in comes into his thought. He next are now interested in the company this State. To admit the Sand- touches or grasps or holds up two who have the means and influence wich Island cane sugar free of duty of his fingers, which he uses on all to push it right through. On the will fill our refineries with it and occasions to express number. Then 20th of June 100 men will comclose the door to the manufacture the idea of running by means of mence grading the road. They of beet sugar. Because of this im- its sign, and lastly that of speed, will commence at the mine and minent danger, Mr. Orthmann notes suggest themselves, the last two, grade twelve miles in such a directhat three companies, formed to however, being probably closely con- tion that it can be finished to Soda prosecute the business, have dissolv- nected, as in our own minds. Ob- Springs, where it will connect with ed, and the close of the Sacramento serve, here, that the order in which the Utah Northern, or go direct to Valley establishment must follow the thoughts arrange themselves is Ogden, or by a short route connect the trade. In spite of this prospect different from the manner of those with the U. P. at this point, the Mr. Orthmann furnishes a detailed who think by means of words. only objection to the last proposition statement of the present possibili- The main idea is "horse," and he being that no satisfactory terms ties of the industry, which is of gives it the preference, as the older could be obtained from the U. P. general interest, and worthy of and more simply constructed lan- for transportation to Ogden, a polipreservation. We quote his show- guages always did. It is reserved cy on the part of the directors of for our cultured and perfected the railroad that is killing the sh ll endeavor to give you a language to describe an object be- towns along the line. This is probfaithful and accurate delineation of fore telling what the object is. Who ably the largest coal mine that has will say that it is according to ever been discovered in the counwell as every other one now exist- philosophical principles that we try, the principal vein being sevsay, "A fine large red apple," in enty feet in thickness, besides a stead of "An apple, fine, red, large?" number of smaller ones ranging A deaf mute boy tells me that he from five to sixty feet. Governor saw two dogs fighting yesterday. Thayer, of Wyoming, is the presi-He explains it in signs in this man- of the new company, organized in ner: "Dogs, two, fight; first, second | Salt Lake City a few days ago, and ear bit, blood much. Second ran, we understand work will be pushed hid; saw yesterday, I." Thus the forward at once to put the mine in fact is arranged in his mind. Let proper shape for shipping coal him attempt to translate-for it is soon.-Evanston Age. nothing but, translation - this simple statement into English. The perplexity which first seizes the hapless schoolboy over his "Gallia est omnis divisa in partes tres," is nothing to it. Like him, he must go hunting, as if for a needle in a haystack, for the word to put first. It is the last idea in his sign-sentence. Then he slowly learns to pick out the words and arrange them in English order-an order, as I said before, not founded on philosophical principles, but in most instances wholly arbitrary. This is by no means an easy task. Years of training do not insure him against ludicrous lapses. A fair percentage of the whole number educated learn to construct sentences with tolerable accuracy; a smaller percentage of these acquire fluency, precision, and, in some rare instances, grace of expression; but a large proportion never be- Nos. 20 and 22 State Street, come good English scholars.—Ex.

> Elective Officers For ritories.

We notice by the congressional proceedings that the House committee on Territories have reported favorably on a bill authorizing resi-Admitting the contents of sugar | dents of Territories of the United | lieve the President from dispersing a limited portion of his patronage, but it places this small icta of power in the hands of the people ininterested, and therefore nothing serious can arise from the transfer. In connection with this subject we notice that the Washington correspondent of a New York paper intimates that "if the measure should | pass the House it will not be acted on in the Senate this session. It is of a class that the Republican Senators have resolved to lay over until next session, and its disposal then will be determined by the result of the elections. If the elections are in favor of the republican party the bill will be rejected; and if favorable to the Democracy then the bill will pass, because it will take some patronage of this kind amounts to \$250,000, from the Democratic Administrawhich at the given rate of net pre- | tion." We do not know what founfit \$86,615, will produce a dividend dation there may be for such a statement as this, but it is sufficient The results of the working of our to show the humiliating position CONFECTIONERY. factory in the campaign just ended occupied by the people of the Terhave kept pace exactly with the ritories in being subject to the foregoing statements, but the fact | whims and freaks of political organthat the crop of beets, on the ac- izations. It is not enough that they count of dry weather in this year, should be ostracised and denuded has fallen considerably short of the of privileges to which they have in Utah. quantity on which my calculations been accustomed in common with are based, has prevented the declar- their fellow citizens, but they must ing of a dividend for this year. be made to feel the oppressive spirit However, this drawback will be un- of degradation imposed upon them questionably overcome next year by the "powers that be" in conse-(1876), for the reason that the com- quence of their assuming the hardpany has made the necessary ar- ships, dangers and deprivations inrangements to cultivate a much cident to pioneer life in the Terrilarger area of land so as to give us tories. The day is not far distant

cach party shirking the responsibil-

ity of originating some measure of justice for our people, we will find With tremendous odds against either of them quite willing to bear Avalanche.

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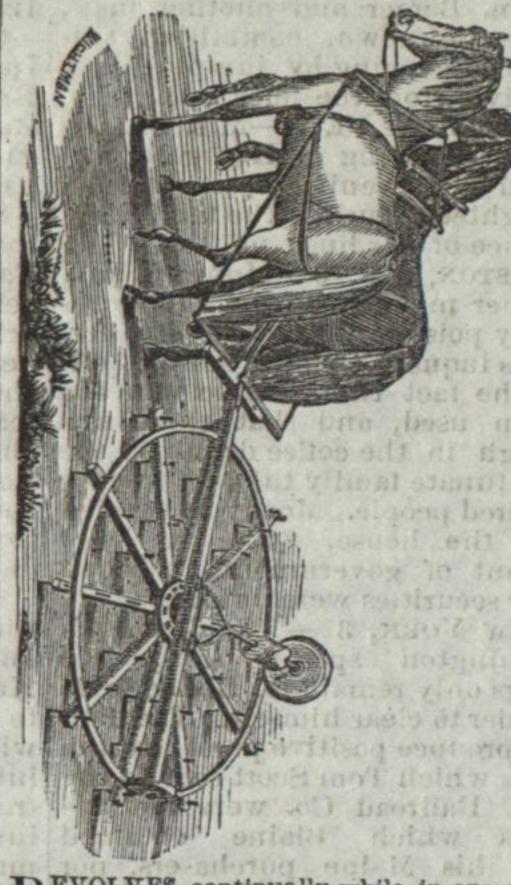
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